

**Attachment D**

All Test Reports

2014-2016



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - KOL 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

12-December-2014

**Trent-Severn Waterway (Haliburton Sector)**

Attn : Greg Cooper

**Date Rec. :** 11 December 2014  
**LR Report:** CA14219-DEC14

PO Box 249  
Haliburton, ON  
K0M 1S0,

**Copy:** #1

Phone: 705-457-2632 or 705-854-0598 (cell)  
Fax:705-457-3433

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temp Upon Receipt °C | Total Coliform cfu/100mL | E.Coli cfu/100mL |
|---------------------------|--------------------|----------------------|--------------------------|------------------|
| 1: Analysis Start Date    |                    | ---                  | 11-Dec-14                | 11-Dec-14        |
| 2: Analysis Start Time    |                    | ---                  | 12:40                    | 12:40            |
| 3: Analysis Approval Date |                    | ---                  | 12-Dec-14                | 12-Dec-14        |
| 4: Analysis Approval Time |                    | ---                  | 11:14                    | 11:14            |
| 5: MAC                    |                    | ---                  | 0                        | 0                |
| 6: NR Haliburton Office   | 10-Dec-14 08:00    | 11.0                 | 0                        | 0                |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

26-February-2015

**Trent-Severn Waterway (Haliburton Sector)**

Attn : Greg Cooper

**Date Rec. :** 20 February 2015  
**LR Report:** CA14346-FEB15

PO Box 249  
Haliburton, ON  
K0M 1S0,

**Copy:** #1

Phone: 705-457-2632 or 705-854-0598 (cell)  
Fax:705-457-3433

# CERTIFICATE OF ANALYSIS

## Final Report

| Analysis                        | 1:<br>Analysis<br>Start Date | 2:<br>Analysis Start<br>Time | 3:<br>Analysis<br>Approval<br>Date | 4:<br>Analysis<br>Approval<br>Time | 5:<br>MAC | 7:<br>MDL | 8:<br>NR Office Kitchen |
|---------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------------|-----------|-----------|-------------------------|
| Sample Date & Time              |                              |                              |                                    |                                    |           |           | 19-Feb-15 16:03         |
| Temperature Upon Receipt [°C]   | ---                          | ---                          | ---                                | ---                                | ---       | ---       | 17.0                    |
| Total Coliform [cfu/100mL]      | 20-Feb-15                    | 10:50                        | 23-Feb-15                          | 10:06                              | 0         | ---       | 0                       |
| E. Coli [cfu/100mL]             | 20-Feb-15                    | 10:50                        | 23-Feb-15                          | 10:06                              | 0         | ---       | 0                       |
| Nitrite (as N) [mg/L]           | 24-Feb-15                    | 16:59                        | 25-Feb-15                          | 08:26                              | 1         | 0.003     | 0.003 <MDL              |
| Nitrate (as N) [mg/L]           | 24-Feb-15                    | 16:59                        | 25-Feb-15                          | 08:26                              | 10        | 0.006     | 1.75                    |
| Nitrate + Nitrite (as N) [mg/L] | 24-Feb-15                    | 16:59                        | 25-Feb-15                          | 08:26                              | 10        | 0.006     | 1.75                    |
| Lead [ug/L]                     | 24-Feb-15                    | 15:40                        | 26-Feb-15                          | 07:57                              | 10        | 0.01      | 0.59                    |

MAC - Maximum Acceptable Concentration

MDL - SGS Method Detection Limit

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

21-October-2014

**Trent-Severn Waterway (Haliburton Sector)**

Attn : Greg Cooper

**Date Rec. :** 15 October 2014  
**LR Report:** CA14359-OCT14

PO Box 249  
Haliburton, ON  
K0M 1S0,

**Copy:** #1

Phone: 705-457-2632 or 705-854-0598 (cell)  
Fax:705-457-3433

# CERTIFICATE OF ANALYSIS

## Final Report

| Analysis                        | 1:<br>Analysis<br>Start Date | 2:<br>Analysis<br>Start Time | 3:<br>Analysis<br>Approval<br>Date | 4:<br>Analysis<br>Approval<br>Time | 5:<br>MAC | 6:<br>NR - Haliburton<br>Office |
|---------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------------|-----------|---------------------------------|
| Sample Date & Time              |                              |                              |                                    |                                    |           | 15-Oct-14 08:00                 |
| Temperature Upon Receipt [°C]   | ---                          | ---                          | ---                                | ---                                | ---       | 15.0                            |
| Total Coliform [cfu/100mL]      | 15-Oct-14                    | 18:50                        | 17-Oct-14                          | 10:31                              | 0         | 0                               |
| E. Coli [cfu/100mL]             | 15-Oct-14                    | 18:50                        | 17-Oct-14                          | 10:31                              | 0         | 0                               |
| Nitrite (as N) [mg/L]           | 17-Oct-14                    | 12:08                        | 18-Oct-14                          | 09:53                              | 1         | 0.004                           |
| Nitrate (as N) [mg/L]           | 17-Oct-14                    | 12:08                        | 18-Oct-14                          | 09:53                              | 10        | 1.88                            |
| Nitrate + Nitrite (as N) [mg/L] | 17-Oct-14                    | 12:08                        | 18-Oct-14                          | 09:53                              | 10        | 1.88                            |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
**Kimberley Didsbury**  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

22-September-2014

**Trent-Severn Waterway (Haliburton Sector)**

Attn : Greg Cooper

**Date Rec. :** 19 September 2014  
**LR Report:** CA14490-SEP14

PO Box 249  
Haliburton, ON  
K0M 1S0,

**Copy:** #1

Phone: 705-457-2632 or 705-854-0598 (cell)  
Fax:705-457-3433

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temp Upon Receipt °C | Total Coliform cfu/100mL | E.Coli cfu/100mL |
|---------------------------|--------------------|----------------------|--------------------------|------------------|
| 1: Analysis Start Date    |                    | ---                  | 19-Sep-14                | 19-Sep-14        |
| 2: Analysis Start Time    |                    | ---                  | 11:00                    | 11:00            |
| 3: Analysis Approval Date |                    | ---                  | 22-Sep-14                | 22-Sep-14        |
| 4: Analysis Approval Time |                    | ---                  | 09:58                    | 09:58            |
| 5: MAC                    |                    | ---                  | 0                        | 0                |
| 6: NR Kitchen Sink        | 18-Sep-14 16:30    | 13.0                 | 0                        | 0                |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

05-June-2014

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 02 June 2014  
**LR Report:** CA14052-JUN14

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 02-Jun-14                | 02-Jun-14         |
| 2: Analysis Start Time    |                    | ---                         | 17:00                    | 17:00             |
| 3: Analysis Approval Date |                    | ---                         | 04-Jun-14                | 04-Jun-14         |
| 4: Analysis Approval Time |                    | ---                         | 14:51                    | 14:51             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock #22            | 02-Jun-14 11:33    | 13.0                        | 0                        | 0                 |
| 7: NR Lock #24            | 02-Jun-14 12:00    | 13.0                        | 0                        | 0                 |
| 8: NR Lock #25            | 02-Jun-14 12:10    | 13.0                        | 0                        | 0                 |
| 9: NR Lock #27            | 02-Jun-14 13:50    | 13.0                        | 0                        | 0                 |
| 10: NR Lock #28           | 02-Jun-14 14:20    | 13.0                        | 0                        | 0                 |
| 11: NR Lock #31           | 02-Jun-14 15:20    | 13.0                        | 0                        | 0                 |
| 12: NR Lock #30           | 02-Jun-14 16:15    | 13.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - KOL 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

09-July-2014

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 07 July 2014  
**LR Report:** CA14125-JUL14

PO Box 567  
Peterborough, ON  
K9J 6Z6,

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Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Lead ug/L | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|-----------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 08-Jul-14 | 07-Jul-14                | 07-Jul-14         |
| 2: Analysis Start Time    |                    | ---                         | 09:31     | 15:00                    | 15:00             |
| 3: Analysis Approval Date |                    | --                          | 08-Jul-14 | 09-Jul-14                | 09-Jul-14         |
| 4: Analysis Approval Time |                    | --                          | 16:07     | 08:50                    | 08:50             |
| 5: MAC                    |                    | --                          | 10        | 0                        | 0                 |
| 7: MDL                    |                    | --                          | 0.01      | ---                      | ---               |
| 8: NR Lock 19             | 07-Jul-14 09:14    | 15.0                        | 0.69      | ---                      | ---               |
| 9: NR Lock 20             | 07-Jul-14 09:32    | 15.0                        | 0.66      | ---                      | ---               |
| 10: NR Lock 21            | 07-Jul-14 10:15    | 15.0                        | 1.05      | ---                      | ---               |
| 11: NR Lock WRB           | 07-Jul-14 10:02    | 15.0                        | 1.66      | ---                      | ---               |
| 12: NR Lock 26            | 07-Jul-14 12:13    | 15.0                        | 0.84      | ---                      | ---               |
| 13: NR Lock 22            | 07-Jul-14 11:33    | 15.0                        | ---       | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

MDL - SGS Method Detection Limit

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

09-June-2014

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 06 June 2014  
**LR Report:** CA14198-JUN14

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 06-Jun-14                | 06-Jun-14         |
| 2: Analysis Start Time    |                    | ---                         | 16:30                    | 16:30             |
| 3: Analysis Approval Date |                    | ---                         | 09-Jun-14                | 09-Jun-14         |
| 4: Analysis Approval Time |                    | ---                         | 11:14                    | 11:14             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR - TW Lock #22       | 06-Jun-14 14:17    | 18.0                        | 0                        | 0                 |
| 7: NR - TW Lock #24       | 06-Jun-14 14:39    | 18.0                        | 0                        | 0                 |
| 8: NR - TW Lock #25       | 06-Jun-14 15:09    | 18.0                        | 0                        | 0                 |
| 9: NR - TW Lock #27       | 06-Jun-14 12:50    | 18.0                        | 0                        | 0                 |
| 10: NR - TW Lock #28      | 06-Jun-14 12:26    | 18.0                        | 0                        | 0                 |
| 11: NR - TW Lock #31      | 06-Jun-14 11:37    | 18.0                        | 0                        | 0                 |
| 12: NR - TW Lock #30      | 05-Jun-14 15:15    | 18.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical





**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - KOL 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

13-August-2014

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 11 August 2014  
**LR Report:** CA14267-AUG14

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temp Upon Receipt °C | Total Coliform cfu/100mL | E.Coli cfu/100mL |
|---------------------------|--------------------|----------------------|--------------------------|------------------|
| 1: Analysis Start Date    |                    | ---                  | 11-Aug-14                | 11-Aug-14        |
| 2: Analysis Start Time    |                    | ---                  | 14:50                    | 14:50            |
| 3: Analysis Approval Date |                    | ---                  | 13-Aug-14                | 13-Aug-14        |
| 4: Analysis Approval Time |                    | ---                  | 12:36                    | 12:36            |
| 5: MAC                    |                    | ---                  | 0                        | 0                |
| 6: NR Lock 22             | 11-Aug-14 09:10    | 12.0                 | 0                        | 0                |
| 7: NR Lock 23             | 11-Aug-14 10:00    | 12.0                 | 0                        | 0                |
| 8: NR Lock 24             | 11-Aug-14 10:29    | 12.0                 | 0                        | 0                |
| 9: NR Lock 25             | 11-Aug-14 10:50    | 12.0                 | 0                        | 0                |
| 10: NR Lock 27            | 11-Aug-14 11:30    | 12.0                 | 0                        | 0                |
| 11: NR Lock 28            | 11-Aug-14 12:47    | 12.0                 | 0                        | 0                |
| 12: NR Lock 30            | 11-Aug-14 10:10    | 12.0                 | 0                        | 0                |
| 13: NR Lock 31            | 11-Aug-14 13:10    | 12.0                 | 0                        | 0                |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - KOL 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

11-September-2014

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 09 September 2014  
**LR Report:** CA14279-SEP14

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temp Upon Receipt °C | Total Coliform cfu/100mL | E.Coli cfu/100mL |
|---------------------------|--------------------|----------------------|--------------------------|------------------|
| 1: Analysis Start Date    |                    | ---                  | 09-Sep-14                | 09-Sep-14        |
| 2: Analysis Start Time    |                    | ---                  | 17:25                    | 17:25            |
| 3: Analysis Approval Date |                    | ---                  | 11-Sep-14                | 11-Sep-14        |
| 4: Analysis Approval Time |                    | ---                  | 12:03                    | 12:03            |
| 5: MAC                    |                    | ---                  | 0                        | 0                |
| 6: NR-Lock #22            | 09-Sep-14 09:20    | 16.0                 | 0                        | 0                |
| 7: NR-Lock #23            | 09-Sep-14 09:25    | 16.0                 | 0                        | 0                |
| 8: NR-Lock #24            | 09-Sep-14 09:50    | 16.0                 | 0                        | 0                |
| 9: NR-Lock #25            | 09-Sep-14 10:25    | 16.0                 | 0                        | 0                |
| 10: NR-Lock #27           | 09-Sep-14 10:45    | 16.0                 | 0                        | 0                |
| 11: NR-Lock #28           | 09-Sep-14 12:45    | 16.0                 | 0                        | 0                |
| 12: NR-Lock #31           | 09-Sep-14 13:40    | 16.0                 | 0                        | 0                |
| 13: NR-Lock #30           | 09-Sep-14 12:20    | 16.0                 | 0                        | 0                |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

**Kimberley Didsbury**  
**Project Specialist**  
**Environmental Services, Analytical**



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

16-July-2014

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 14 July 2014  
**LR Report:** CA14332-JUL14

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temp Upon Receipt °C | Total Coliform cfu/100mL | E.Coli cfu/100mL |
|---------------------------|--------------------|----------------------|--------------------------|------------------|
| 1: Analysis Start Date    |                    | ---                  | 14-Jul-14                | 14-Jul-14        |
| 2: Analysis Start Time    |                    | ---                  | 14:45                    | 14:45            |
| 3: Analysis Approval Date |                    | ---                  | 16-Jul-14                | 16-Jul-14        |
| 4: Analysis Approval Time |                    | ---                  | 09:06                    | 09:06            |
| 5: MAC                    |                    | ---                  | 0                        | 0                |
| 6: NR - Lock 22           | 14-Jul-14 12:10    | 13.0                 | 0                        | 0                |
| 7: NR - Lock 23           | 14-Jul-14 12:29    | 13.0                 | 0                        | 0                |
| 8: NR - Lock 24           | 14-Jul-14 12:50    | 13.0                 | 0                        | 0                |
| 9: NR - Lock 25           | 14-Jul-14 13:10    | 13.0                 | 0                        | 0                |
| 10: NR - Lock 27          | 14-Jul-14 10:50    | 13.0                 | 0                        | 0                |
| 11: NR - Lock 28          | 14-Jul-14 11:13    | 13.0                 | 0                        | 0                |
| 12: NR - Lock 31          | 14-Jul-14 11:40    | 13.0                 | 0                        | 0                |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

20-June-2014

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 18 June 2014  
**LR Report:** CA14483-JUN14

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temp Upon Receipt °C | Total Coliform cfu/100mL | E.Coli cfu/100mL |
|---------------------------|--------------------|----------------------|--------------------------|------------------|
| 1: Analysis Start Date    |                    | ---                  | 18-Jun-14                | 18-Jun-14        |
| 2: Analysis Start Time    |                    | ---                  | 15:45                    | 15:45            |
| 3: Analysis Approval Date |                    | ---                  | 19-Jun-14                | 19-Jun-14        |
| 4: Analysis Approval Time |                    | ---                  | 17:30                    | 17:30            |
| 5: MAC                    |                    | ---                  | 0                        | 0                |
| 6: NR - Lock 22           | 18-Jun-14 10:50    | 14.0                 | 0                        | 0                |
| 7: NR - Lock 24           | 18-Jun-14 11:30    | 14.0                 | 0                        | 0                |
| 8: NR - Lock 25           | 18-Jun-14 11:40    | 14.0                 | 0                        | 0                |
| 9: NR - Lock 27           | 18-Jun-14 13:00    | 14.0                 | 0                        | 0                |
| 10: NR - Lock 28          | 18-Jun-14 12:40    | 14.0                 | 0                        | 0                |
| 11: NR - Lock 30          | 18-Jun-14 15:30    | 14.0                 | 0                        | 0                |
| 12: NR - Lock 31          | 18-Jun-14 12:10    | 14.0                 | 0                        | 0                |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - KOL 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

24-September-2014

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 22 September 2014  
**LR Report:** CA14537-SEP14

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temp Upon Receipt °C | Total Coliform cfu/100mL | E.Coli cfu/100mL |
|---------------------------|--------------------|----------------------|--------------------------|------------------|
| 1: Analysis Start Date    |                    | ---                  | 22-Sep-14                | 22-Sep-14        |
| 2: Analysis Start Time    |                    | ---                  | 16:45                    | 16:45            |
| 3: Analysis Approval Date |                    | ---                  | 24-Sep-14                | 24-Sep-14        |
| 4: Analysis Approval Time |                    | ---                  | 08:30                    | 08:30            |
| 5: MAC                    |                    | ---                  | 0                        | 0                |
| 6: NR - Lock 23           | 22-Sep-14 11:20    | 15.0                 | 0                        | 0                |
| 7: NR - Lock 24           | 22-Sep-14 11:30    | 15.0                 | 0                        | 0                |
| 8: NR - Lock 25           | 22-Sep-14 12:45    | 15.0                 | 0                        | 0                |
| 9: NR - Lock 27           | 22-Sep-14 13:15    | 15.0                 | 0                        | 0                |
| 10: NR - Lock 28          | 22-Sep-14 14:25    | 15.0                 | 0                        | 0                |
| 11: NR - Lock 30          | 22-Sep-14 10:30    | 15.0                 | 0                        | 0                |
| 12: NR - Lock 31          | 22-Sep-14 15:45    | 15.0                 | 0                        | 0                |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

25-June-2014

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 23 June 2014  
**LR Report:** CA14550-JUN14

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temp Upon Receipt °C | Total Coliform cfu/100mL | E.Coli cfu/100mL |
|---------------------------|--------------------|----------------------|--------------------------|------------------|
| 1: Analysis Start Date    |                    | ---                  | 23-Jun-14                | 23-Jun-14        |
| 2: Analysis Start Time    |                    | ---                  | 16:00                    | 16:00            |
| 3: Analysis Approval Date |                    | ---                  | 25-Jun-14                | 25-Jun-14        |
| 4: Analysis Approval Time |                    | ---                  | 08:14                    | 08:14            |
| 5: MAC                    |                    | ---                  | 0                        | 0                |
| 6: NR Lock 23             | 23-Jun-14 09:35    | 24.0                 | 0                        | 0                |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
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Phone: 705-652-2000 FAX: 705-652-6365

27-August-2014

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 25 August 2014  
**LR Report:** CA14603-AUG14

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temp Upon Receipt °C | Total Coliform cfu/100mL | E.Coli cfu/100mL |
|---------------------------|--------------------|----------------------|--------------------------|------------------|
| 1: Analysis Start Date    |                    | ---                  | 25-Aug-14                | 25-Aug-14        |
| 2: Analysis Start Time    |                    | ---                  | 14:30                    | 14:30            |
| 3: Analysis Approval Date |                    | ---                  | 27-Aug-14                | 27-Aug-14        |
| 4: Analysis Approval Time |                    | ---                  | 10:13                    | 10:13            |
| 5: MAC                    |                    | ---                  | 0                        | 0                |
| 6: NR - Lock 22           | 25-Aug-14 10:06    | 20.0                 | 0                        | 0                |
| 7: NR - Lock 23           | 25-Aug-14 10:18    | 20.0                 | 0                        | 0                |
| 8: NR - Lock 24           | 25-Aug-14 10:48    | 20.0                 | 0                        | 0                |
| 9: NR - Lock 25           | 25-Aug-14 10:57    | 20.0                 | 0                        | 0                |
| 10: NR - Lock 27          | 25-Aug-14 11:34    | 20.0                 | 0                        | 0                |
| 11: NR - Lock 28          | 25-Aug-14 11:57    | 20.0                 | 0                        | 0                |
| 12: NR - Lock 31          | 25-Aug-14 12:25    | 20.0                 | 0                        | 0                |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

30-July-2014

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 28 July 2014  
**LR Report:** CA14727-JUL14

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temp Upon Receipt °C | Total Coliform cfu/100mL | E.Coli cfu/100mL |
|---------------------------|--------------------|----------------------|--------------------------|------------------|
| 1: Analysis Start Date    |                    | ---                  | 28-Jul-14                | 28-Jul-14        |
| 2: Analysis Start Time    |                    | ---                  | 15:05                    | 15:05            |
| 3: Analysis Approval Date |                    | ---                  | 30-Jul-14                | 30-Jul-14        |
| 4: Analysis Approval Time |                    | ---                  | 09:29                    | 09:29            |
| 5: MAC                    |                    | ---                  | 0                        | 0                |
| 6: NR - Lock 22           | 28-Jul-14 10:20    | 15.0                 | 0                        | 0                |
| 7: NR - Lock 23           | 28-Jul-14 10:31    | 15.0                 | 0                        | 0                |
| 8: NR - Lock 24           | 28-Jul-14 10:50    | 15.0                 | 0                        | 0                |
| 9: NR - Lock 25           | 28-Jul-14 11:15    | 15.0                 | 0                        | 0                |
| 10: NR - Lock 27          | 28-Jul-14 12:00    | 15.0                 | 0                        | 0                |
| 11: NR - Lock 28          | 28-Jul-14 12:20    | 15.0                 | 0                        | 0                |
| 12: NR - Lock 31          | 28-Jul-14 13:00    | 15.0                 | 0                        | 0                |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical





**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

02-July-2014

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 30 June 2014  
**LR Report:** CA14743-JUN14

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temp Upon Receipt °C | Total Coliform cfu/100mL | E.Coli cfu/100mL |
|---------------------------|--------------------|----------------------|--------------------------|------------------|
| 1: Analysis Start Date    |                    | ---                  | 30-Jun-14                | 30-Jun-14        |
| 2: Analysis Start Time    |                    | ---                  | 16:30                    | 16:30            |
| 3: Analysis Approval Date |                    | ---                  | 02-Jul-14                | 02-Jul-14        |
| 4: Analysis Approval Time |                    | ---                  | 08:48                    | 08:48            |
| 5: MAC                    |                    | ---                  | 0                        | 0                |
| 6: NR - Lock 23           | 30-Jun-14 09:37    | 18.0                 | 0                        | 0                |
| 7: NR - Lock 24           | 30-Jun-14 09:56    | 18.0                 | 0                        | 0                |
| 8: NR - Lock 25           | 30-Jun-14 09:59    | 18.0                 | 0                        | 0                |
| 9: NR - Lock 27           | 30-Jun-14 11:55    | 18.0                 | 0                        | 0                |
| 10: NR - Lock 28          | 30-Jun-14 11:39    | 18.0                 | 0                        | 0                |
| 11: NR - Lock 30          | 30-Jun-14 11:00    | 18.0                 | 0                        | 0                |
| 12: NR - Lock 31          | 30-Jun-14 10:55    | 18.0                 | 0                        | 0                |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

31-July-2014

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 29 July 2014  
**LR Report:** CA14776-JUL14

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temp Upon Receipt °C | Total Coliform cfu/100mL | E.Coli cfu/100mL |
|---------------------------|--------------------|----------------------|--------------------------|------------------|
| 1: Analysis Start Date    |                    | ---                  | 29-Jul-14                | 29-Jul-14        |
| 2: Analysis Start Time    |                    | ---                  | 17:15                    | 17:15            |
| 3: Analysis Approval Date |                    | ---                  | 31-Jul-14                | 31-Jul-14        |
| 4: Analysis Approval Time |                    | ---                  | 10:03                    | 10:03            |
| 5: MAC                    |                    | ---                  | 0                        | 0                |
| 6: NR Lock 30             | 28-Jul-14 18:00    | 18.0                 | 0                        | 0                |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

28-August-2014

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 27 August 2014  
**LR Report:** CA17099-AUG14

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temp Upon Receipt °C | Total Coliform cfu/100mL | E.Coli cfu/100mL |
|---------------------------|--------------------|----------------------|--------------------------|------------------|
| 1: Analysis Start Date    |                    | ---                  | 27-Aug-14                | 27-Aug-14        |
| 2: Analysis Start Time    |                    | ---                  | 14:30                    | 14:30            |
| 3: Analysis Approval Date |                    | ---                  | 28-Aug-14                | 28-Aug-14        |
| 4: Analysis Approval Time |                    | ---                  | 14:34                    | 14:34            |
| 5: MAC                    |                    | ---                  | 0                        | 0                |
| 6: NR - Lock 30           | 26-Aug-14 16:50    | 18.0                 | 0                        | 0                |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

07-October-2014

**Trent-Severn Waterway (Southern Area)**

Attn : Greg Stencell

**Date Rec. :** 01 October 2014  
**LR Report:** CA14018-OCT14

12 Trent Drive  
Campbellford, ON  
K0L 1L0,

**Copy:** #1

Phone: 705-653-3240  
Fax:705-653-2053

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL | Lead ug/L |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|-----------|
| 1: Analysis Start Date    |                    | ---                         | 01-Oct-14                | 01-Oct-14         | 03-Oct-14 |
| 2: Analysis Start Time    |                    | ---                         | 17:00                    | 17:00             | 20:15     |
| 3: Analysis Approval Date |                    | ---                         | 02-Oct-14                | 02-Oct-14         | 06-Oct-14 |
| 4: Analysis Approval Time |                    | ---                         | 15:42                    | 15:42             | 15:48     |
| 5: MAC                    |                    | ---                         | 0                        | 0                 | 10        |
| 7: MDL                    |                    | ---                         | ---                      | ---               | 0.01      |
| 8: NR Brighton Road B     | 01-Oct-14 11:50    | 15.0                        | 0                        | 0                 | ---       |
| 9: NR Carrying Place B    | 01-Oct-14 12:05    | 15.0                        | 0                        | 0                 | ---       |
| 10: NR Trenton Shop       | 01-Oct-14 12:20    | 15.0                        | ---                      | ---               | 0.28      |
| 11: NR Batawa #4          | 01-Oct-14 12:40    | 15.0                        | 0                        | 0                 | 1.79      |
| 12: NR Trent #5           | 01-Oct-14 12:50    | 15.0                        | ---                      | ---               | 8.51      |
| 13: NR Crowe Bay          | 01-Oct-14 14:35    | 15.0                        | 0                        | 0                 | ---       |
| 14: NR Healey Falls 16/17 | 01-Oct-14 15:15    | 15.0                        | 0                        | 0                 | ---       |
| 15: NR Campbellford       | 01-Oct-14 15:30    | 15.0                        | ---                      | ---               | 1.28      |

MAC - Maximum Acceptable Concentration

MDL - SGS Method Detection Limit

NR - Not reportable under applicable Provincial drinking water regulations as per client.

**Kimberley Didsbury**  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

27-June-2014

**Trent-Severn Waterway (Southern Area)**

Attn : Trevor Tinney

**Date Rec. :** 25 June 2014  
**LR Report:** CA17804-JUN14

12 Trent Drive  
Campbellford, ON  
K0L 1L0,

**Copy:** #1

Phone: 705-653-3240 or 705-772-9655 (cell)  
Fax:705-653-2053

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temp Upon Receipt °C | Total Coliform cfu/100mL | E.Coli cfu/100mL |
|---------------------------|--------------------|----------------------|--------------------------|------------------|
| 1: Analysis Start Date    |                    | ---                  | 25-Jun-14                | 25-Jun-14        |
| 2: Analysis Start Time    |                    | ---                  | 11:00                    | 11:00            |
| 3: Analysis Approval Date |                    | ---                  | 27-Jun-14                | 27-Jun-14        |
| 4: Analysis Approval Time |                    | ---                  | 08:48                    | 08:48            |
| 5: MAC                    |                    | ---                  | 0                        | 0                |
| 6: NR BRB                 | 24-Jun-14          | 5.0                  | 0                        | 0                |
| 7: NR CPB                 | 24-Jun-14          | 5.0                  | 0                        | 0                |
| 8: NR Lock 4              | 24-Jun-14          | 5.0                  | 0                        | 0                |
| 9: NR Lock 8              | 24-Jun-14          | 5.0                  | 0                        | 0                |
| 10: NR Lock 9             | 24-Jun-14          | 5.0                  | 0                        | 0                |
| 11: NR Lock 14            | 24-Jun-14          | 5.0                  | 0                        | 0                |
| 12: NR Lock 15            | 24-Jun-14          | 5.0                  | 0                        | 0                |
| 13: NR Lock 17            | 24-Jun-14          | 5.0                  | 0                        | 0                |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Chemical Analysis of Water

|   |                               |                 |  |
|---|-------------------------------|-----------------|--|
| Date & Time Received:<br>2014-07-24 11:40 | Temp. Rec'd.<br>(°C):<br>19.1 | Receiver:<br>AB | Date & Time Lead Preserved: Tech:<br>2014-07-24 12:15 AV |
|---|-------------------------------|-----------------|--|

Date Sampled: 2014-07-24

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | HKPRDHU        |
| Regulation            | 319/08         |
| Total # of pages sent | 2              |
| # of samples sent     | 3              |
| # of samples received | 3              |

Collected By:

Name of Facility: Kirkfield Sector

Drinking Water System (DWS) #: Please See Below

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; leigh.trethewey@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By:

**Conditions/Comments**

| Time Sampled                         | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Laboratory Number | Lead |      | Turbidity NTU | Alkalinity |                           | pH (at 25°C) |  |  |
|--------------------------------------|-------------------|-----------------------------------|------------|-------------------------|-------------------|------|------|---------------|------------|---------------------------|--------------|--|--|
|                                      |                   |                                   |            |                         |                   | >/<  | µg/L |               | >/<        | mg/L as CaCO <sub>3</sub> |              |  |  |
| <b>Kirkfield Lock 36 #835J66E39</b>  |                   |                                   |            |                         |                   |      |      |               |            |                           |              |  |  |
| 08:38                                |                   | 2023 Kirkfield Rd.                | D          |                         | L-57              | <    | 1.00 |               |            |                           |              |  |  |
| <b>Bolsover Bridge 43 (Reg. N/A)</b> |                   |                                   |            |                         |                   |      |      |               |            |                           |              |  |  |
| 09:07                                |                   | 138 Bolsover Rd.                  | D          |                         | L-58              | <    | 1.00 |               |            |                           |              |  |  |

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific inorganic and physical parameters.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)

N/R = Not Received

N/A = Not Applicable

Raw = R

Distribution = D

Point of Entry = E

Raw Water Consumed = RWC

Lead Analysis Date & Time: 2014-07-31 15:00 Analyzed By: JT Audited By: AD Methodology: AA µg/L

Turbidity Analysis Date & Time: Analyzed By: Audited By: Methodology: Nephelometric NTU

Total Alkalinity Analysis Date & Time: Analyzed By: Audited By: Methodology: Digital Titration mg/L as CaCO<sub>3</sub>

pH Analysis Date & Time: Analyzed By: Audited By: Methodology: Electrometric pH

Transcribed By: AC Authorized & Rechecked By: TJJ/TJ Copy Released By: HM/CAB/TJ

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

### Test Methodology and Detection Limit

|                  |          |                 |             |                   |           |              |                                    |
|------------------|----------|-----------------|-------------|-------------------|-----------|--------------|------------------------------------|
| Lead             | COAL AA  | Detection Limit | 1.00 µg/L   | Reportable Limit: | 10.0 µg/L | Methodology: | Graphite Furnace Atomic Absorption |
| pH               | COAL pH  | Detection Limit | 4 - 10      | Reportable Limit: | N/A       | Methodology: | Electrometric                      |
| Total Alkalinity | COAL Alk | Detection Limit | 10 - 4000   | Reportable Limit: | N/A       | Methodology: | Digital Titration                  |
| Turbidity        | COAL T   | Detection Limit | 0.10 - 40.0 | Reportable Limit: | N/A       | Methodology: | Nephelometric                      |

Approved for use by TJ prior to use.

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

## Final Certificate of Chemical Analysis of Water

|                       |                    |           |                             |       |
|-----------------------|--------------------|-----------|-----------------------------|-------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Lead Preserved: | Tech: |
| 2014-07-24 11:40      | 19.1               | AB        | 2014-07-24 12:15            | AV    |

Date Sampled: 2014-07-24

Collected By: \_\_\_\_\_

Name of Facility: Kirkfield Sector

Drinking Water System (DWS) #: **Please See Below**

Submitted By: \_\_\_\_\_

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHU          |
| Regulation            | 318/08         |
| Total # of pages sent | 2              |
| # of samples sent     | 3              |
| # of samples received | 3              |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: \_\_\_\_\_ Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; leigh.trethewey@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

**Conditions/ Comments**

| Time Sampled | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Laboratory Number | Lead |      | Turbidity NTU | Alkalinity |                           | pH (at 25°C) |  |  |  |
|--------------|-------------------|-----------------------------------|------------|-------------------------|-------------------|------|------|---------------|------------|---------------------------|--------------|--|--|--|
|              |                   |                                   |            |                         |                   | >/<  | µg/L |               | >/<        | mg/L as CaCO <sub>3</sub> |              |  |  |  |
|              |                   |                                   |            |                         |                   |      |      |               |            |                           |              |  |  |  |
|              |                   |                                   |            |                         |                   |      |      |               |            |                           |              |  |  |  |
|              |                   |                                   |            |                         |                   |      |      |               |            |                           |              |  |  |  |
|              |                   |                                   |            |                         |                   |      |      |               |            |                           |              |  |  |  |
|              |                   |                                   |            |                         |                   |      |      |               |            |                           |              |  |  |  |
|              |                   | <b>Thorah Lock 40</b>             |            |                         |                   |      |      |               |            |                           |              |  |  |  |
| 09:33        |                   | 33245 Durham Rd.                  | D          |                         | L-56              | <    | 1.00 |               |            |                           |              |  |  |  |
|              |                   |                                   |            |                         |                   |      |      |               |            |                           |              |  |  |  |

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific inorganic and physical parameters. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
 N/R = Not Received N/A = Not Applicable

Raw = R  
 Distribution = D  
 Point of Entry = E  
 Raw Water Consumed = RWC

Lead Analysis Date & Time: 2014-07-31 15:00 Analyzed By: JT Audited By: AD Methodology: AA µg/L

Turbidity Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology: Nephelometric NTU

Total Alkalinity Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology: Digital Titration mg/L as CaCO<sub>3</sub>

pH Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology: Electrometric pH

Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: HM/CAB/TJ

Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

**Test Methodology and Detection Limit**

|                  |          |                 |             |                   |           |              |                                    |
|------------------|----------|-----------------|-------------|-------------------|-----------|--------------|------------------------------------|
| Lead             | COAL AA  | Detection Limit | 1.00 µg/L   | Reportable Limit: | 10.0 µg/L | Methodology: | Graphite Furnace Atomic Absorption |
| pH               | COAL pH  | Detection Limit | 4 - 10      | Reportable Limit: | N/A       | Methodology: | Electrometric                      |
| Total Alkalinity | COAL Alk | Detection Limit | 10 - 4000   | Reportable Limit: | N/A       | Methodology: | Digital Titrator                   |
| Turbidity        | COAL T   | Detection Limit | 0.10 - 40.0 | Reportable Limit: | N/A       | Methodology: | Nephelometric                      |

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Nitrate and Nitrite Analysis of Water

|                       |                    |           |
|-----------------------|--------------------|-----------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: |
| 2014-07-15 12:25      | 16.7               | LJ        |

Date Sampled: 2014-07-15

Collected By: Ellie Wright

Name of Facility: Kirkfield Sector

**Drinking Water System (DWS) #**

Submitted By: Ellie Wright

|                       |         |
|-----------------------|---------|
| Twp/Town              |         |
| Systems Health Unit   | HKPRDHU |
| Regulation            | N/A     |
| Total # of pages sent | 1       |
| # of samples sent     | 11      |
| # of samples received | 11      |

Report To: **Trent Severn Waterway ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road, P.O.Box 10 Kirkfield, ON K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: [chuck.wilkinson@pc.gc.ca](mailto:chuck.wilkinson@pc.gc.ca); [kim.marshall@pc.gc.ca](mailto:kim.marshall@pc.gc.ca); [nicole.hamilton@pc.gc.ca](mailto:nicole.hamilton@pc.gc.ca)

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

**Conditions/Comments**

| Time Sampled | Sample Identifier | Identification of Collection Site      | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Nitrate as N |       | Nitrite as N |       | Nitrate + Nitrite as N |       |
|--------------|-------------------|--|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|--------------|-------|--------------|-------|------------------------|-------|
|              |                   |  |            |                         | J.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<          | mg/L  | >/<          | mg/L  | >/<                    | mg/L  |
| 08:15        |                   | Lock 36 2023 Kirkfield Rd - Kirkfield  |            |                         |                       |       |                              |                             | SFA-209B          |              | 0.128 | <            | 0.010 |                        | 0.128 |
| 08:55        |                   | Lock 35 161 Trent Canal Rd - Rosedale  |            |                         |                       |       |                              |                             | SFA-210B          |              | 0.070 | <            | 0.010 |                        | 0.070 |
| 09:55        |                   | Bridge 43 138 Bolsover Rd - Bolsover   |            |                         |                       |       |                              |                             | SFA-211           | <            | 0.010 | <            | 0.010 | <                      | 0.010 |
| 10:10        |                   | Bridge 44 34223 Mara Eldon Boundary Rd |            |                         |                       |       |                              |                             | SFA-212           | <            | 0.010 | <            | 0.010 | <                      | 0.010 |
| 10:15        |                   | Lock 37 92 Talbot Dr - Bolsover        |            |                         |                       |       |                              |                             | SFA-213           | <            | 0.010 | <            | 0.010 | <                      | 0.010 |
| 10:35        |                   | Lock 38 1419 Canal Rd - Talbot         |            |                         |                       |       |                              |                             | SFA-214           |              | 0.019 | <            | 0.010 |                        | 0.019 |
| 11:42        |                   | Lock 39 33245 Durham Rd - Portage      |            |                         |                       |       |                              |                             | SFA-215           | <            | 0.010 | <            | 0.010 | <                      | 0.010 |
| 11:30        |                   | Lock 40 33245 Durham Rd - Thorah       |            |                         |                       |       |                              |                             | SFA-216           |              | 0.016 | <            | 0.010 |                        | 0.016 |
| 11:25        |                   | Lock 41 33235 Durham Rd - Gamebridge   |            |                         |                       |       |                              |                             | SFA-217           |              | 0.550 | <            | 0.010 |                        | 0.550 |
| 11:05        |                   | Bridge 50 1202 Ramara Rd. - Beaverton  |            |                         |                       |       |                              |                             | SFA-218           |              | 0.015 | <            | 0.010 |                        | 0.015 |
| 09:30        |                   | Kirkfield Shop                         |            |                         |                       |       |                              |                             | SFA-219           |              | 0.174 | <            | 0.010 |                        | 0.174 |

All samples will be considered DISTRIBUTION samples unless otherwise indicated. All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific inorganic parameters. For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)

Raw = R  
 Distribution = D  
 Point of Entry = E  
 Raw Water Consumed = RWC

N/R = Not Received

N/A = Not Applicable

Analysis Date & Time: 2014-07-17 16:30 Analyzed By: AV Audited By: AD Methodology: SFA mg/L

Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: AB/AD

Lab No: Parameter: Submitting Agency @ H.U. @ SAC @ AWQI # By: Date:

**Test Methodology (SFA) and Detection Lim**

|                   |        |                 |            |                   |           |              |  |
|-------------------|--------|-----------------|------------|-------------------|-----------|--------------|--|
| Nitrate           | COAL N | Detection Limit | 0.010 mg/L | Reportable Limit: | 10.0 mg/L | Methodology: | Automated Colourmetric Determination of Nitrate as N in water samples (modified EPA353.2)            |
| Nitrite           | COAL N | Detection Limit | 0.010 mg/L | Reportable Limit: | 1.0 mg/L  | Methodology: | Automated Colourmetric Determination of Nitrite as N in water samples (modified EPA353.2)            |
| Nitrate + Nitrite | COAL N | Detection Limit | 0.010 mg/L | Reportable Limit: | 10.0 mg/L | Methodology: | Automated Colourmetric Determination of Nitrate + Nitrite as N in water samples (modified EPA 353.2) |



# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Nitrate and Nitrite Analysis of Water

|                       |                    |           |
|-----------------------|--------------------|-----------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: |
| 2014-08-13 11:55      | 21.4               | LJ        |

Date Sampled: 2014-08-13

Collected By: S. Schweitzer

Name of Facility: Kirkfield Sector

**Drinking Water System (DWS) #**

Submitted By: S. Schweitzer

|                       |         |
|-----------------------|---------|
| Twp/Town              |         |
| Systems Health Unit   | HKPRDHU |
| Regulation            | N/A     |
| Total # of pages sent | 1       |
| # of samples sent     | 3       |
| # of samples received | 3       |

Report To: **Trent Severn Waterway ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road, P.O.Box 10 Kirkfield, ON K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

**Conditions/Comments**

| Time Sampled | Sample Identifier | Identification of Collection Site     | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Nitrate as N |       | Nitrite as N |       | Nitrate + Nitrite as N |       |
|--------------|-------------------|---------------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|--------------|-------|--------------|-------|------------------------|-------|
|              |                   |                                       |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<          | mg/L  | >/<          | mg/L  | >/<                    | mg/L  |
| 10:16        |                   | Lock 36 2023 Kirkfield Rd - Kirkfield |            |                         |                       |       |                              |                             | SFA-280           | <            | 0.046 | <            | 0.010 | <                      | 0.046 |
| 10:59        |                   | Lock 37 92 Talbot Dr - Bolsover       |            |                         |                       |       |                              |                             | SFA-281           | <            | 0.010 | <            | 0.010 | <                      | 0.010 |
| 10:09        |                   | Kirkfield Shop                        |            |                         |                       |       |                              |                             | SFA-282           |              | 0.066 |              | 0.010 |                        | 0.076 |

**All samples will be considered DISTRIBUTION samples unless otherwise indicated. All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).**

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific inorganic parameters.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)

N/R = Not Received      N/A = Not Applicable

Raw = R  
 Distribution = D  
 Point of Entry = E  
 Raw Water Consumed = RWC

Analysis Date & Time: 2014-08-14 16:30 Analyzed By: AV Audited By: AD Methodology: SFA mg/L

Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: AB/AD

Lab No: Parameter: Submitting Agency @ H.U. @ SAC @ AWQI # By: Date:

|  |        |                 |            |                   |           |              |  |  |  |
|--|--------|-----------------|------------|-------------------|-----------|--------------|--|--|--|
| Test Methodology (SFA) and Detection Limit |        |                 |            |                   |           |              |  |  |  |
| Nitrate                                    | COAL N | Detection Limit | 0.010 mg/L | Reportable Limit: | 10.0 mg/L | Methodology: | Automated Colourmetric Determination of Nitrate as N in water samples (modified EPA353.2)            |  |  |
| Nitrite                                    | COAL N | Detection Limit | 0.010 mg/L | Reportable Limit: | 1.0 mg/L  | Methodology: | Automated Colourmetric Determination of Nitrite as N in water samples (modified EPA353.2)            |  |  |
| Nitrate + Nitrite                          | COAL N | Detection Limit | 0.010 mg/L | Reportable Limit: | 10.0 mg/L | Methodology: | Automated Colourmetric Determination of Nitrate + Nitrite as N in water samples (modified EPA 353.2) |  |  |

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[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Nitrate and Nitrite Analysis of Water

|                       |                    |           |
|-----------------------|--------------------|-----------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: |
| 2014-08-20 11:50      | 20.8               | AB        |

Date Sampled: 2014-08-20

Collected By: Sterling S.

Name of Facility: Kirkfield Sector

Drinking Water System (DWS) #

Submitted By: Sterling S.

|                       |         |
|-----------------------|---------|
| Twp/Town              |         |
| Systems Health Unit   | HKPRDHU |
| Regulation            | N/A     |
| Total # of pages sent | 1       |
| # of samples sent     | 11      |
| # of samples received | 11      |

Report To: **Trent Severn Waterway ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road, P.O.Box 10 Kirkfield, ON K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

**Conditions/Comments**

| Time Sampled | Sample Identifier | Identification of Collection Site      | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Nitrate as N |       | Nitrite as N |       | Nitrate + Nitrite as N |       |
|--------------|-------------------|--|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|--------------|-------|--------------|-------|------------------------|-------|
|              |                   |  |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<          | mg/L  | >/<          | mg/L  | >/<                    | mg/L  |
| 08:30        |                   | Lock 36 2023 Kirkfield Rd - Kirkfield  |            |                         |                       |       |                              |                             | SFA-309           |              | 0.074 | <            | 0.010 |                        | 0.074 |
| 09:08        |                   | Lock 35 161 Trent Canal Rd - Rosedale  |            |                         |                       |       |                              |                             | SFA-310           | <            | 0.010 | <            | 0.010 | <                      | 0.010 |
| 09:46        |                   | Bridge 43 138 Bolsover Rd - Bolsover   |            |                         |                       |       |                              |                             | SFA-311           | <            | 0.010 | <            | 0.010 | <                      | 0.010 |
| 09:56        |                   | Bridge 44 34223 Mara Eldon Boundary Rd |            |                         |                       |       |                              |                             | SFA-312           |              | 0.029 | <            | 0.010 |                        | 0.029 |
| 10:09        |                   | Lock 37 92 Talbot Dr - Bolsover        |            |                         |                       |       |                              |                             | SFA-313           |              | 0.023 | <            | 0.010 |                        | 0.023 |
| 10:22        |                   | Lock 38 1419 Canal Rd - Talbot         |            |                         |                       |       |                              |                             | SFA-314           | <            | 0.010 | <            | 0.010 | <                      | 0.010 |
| 10:32        |                   | Lock 39 33245 Durham Rd - Portage      |            |                         |                       |       |                              |                             | SFA-315           | <            | 0.010 | <            | 0.010 | <                      | 0.010 |
| 10:40        |                   | Lock 40 33245 Durham Rd - Thorah       |            |                         |                       |       |                              |                             | SFA-316           |              | 0.012 | <            | 0.010 |                        | 0.012 |
| 10:52        |                   | Lock 41 33235 Durham Rd - Gamebridge   |            |                         |                       |       |                              |                             | SFA-317           |              | 0.428 | <            | 0.010 |                        | 0.428 |
| 11:06        |                   | Bridge 50 1202 Ramara Rd. - Beaverton  |            |                         |                       |       |                              |                             | SFA-318           |              | 0.035 | <            | 0.010 |                        | 0.035 |
| 08:35        |                   | Kirkfield Shop                         |            |                         |                       |       |                              |                             | SFA-319           |              | 0.010 | <            | 0.010 |                        | 0.010 |

**All samples will be considered DISTRIBUTION samples unless otherwise indicated. All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).**

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific inorganic parameters. Raw = R  
 Distribution = D  
 Point of Entry = E  
 Raw Water Consumed = RWC  
 COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.  
 For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
 N/R = Not Received N/A = Not Applicable

Analysis Date & Time: 2014-08-21 15:30 Analyzed By: AV Audited By: AD Methodology: SFA mg/L

Transcribed By: CAB Authorized & Rechecked By: TJ/JT Copy Released By: AD/AB/HM

Lab No: Parameter: Submitting Agency @ H.U. @ SAC @ AWQI # By: Date:

| Test Methodology (SFA) and Detection Limi   |        |                 |            |                   |           |
|---|--------|-----------------|------------|-------------------|-----------|
| Nitrate   | COAL N | Detection Limit | 0.010 mg/L | Reportable Limit: | 10.0 mg/L |
| Nitrite   | COAL N | Detection Limit | 0.010 mg/L | Reportable Limit: | 1.0 mg/L  |
| Nitrate + Nitrite   | COAL N | Detection Limit | 0.010 mg/L | Reportable Limit: | 10.0 mg/L |
| Methodology: Automated Colourmetric Determination of Nitrate as N in water samples (modified EPA353.2)            |        |                 |            |                   |           |
| Methodology: Automated Colourmetric Determination of Nitrite as N in water samples (modified EPA353.2)            |        |                 |            |                   |           |
| Methodology: Automated Colourmetric Determination of Nitrate + Nitrite as N in water samples (modified EPA 353.2) |        |                 |            |                   |           |

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 www.coalab.ca

**Chain of Custody**

**Primary Report for Nitrate and Nitrite Analysis of Water**

Date/Time/Temp. (°C) Received: Initials of Receiver:

RECEIVED 14.10 9 21.0  
 AUG 19 2014  
 FOR LAB USE

Township/Town

|                              |       |
|------------------------------|-------|
| Systems Health Unit          | SMDHU |
| Total # of pages sent        |       |
| # of samples sent this page  |       |
| # of samples r/cvd this page | 6     |

Date Sampled: 20140819  
 Collected By: Sterling S.  
 Signature: *Sterling S.*  
 Name of Facility: Washago Sector  
 Drinking Water System (DWS) #:   
 (As Assigned By MOE/MOHLTC)  
 Submitted By: *Sterling S.*  
 Signature: *Sterling S.*

Report To: Trent Severn Waterway ATTN: Chuck Wilkinson

Address: 2023 Kirkfield Road, P.O. Box 10 Kirkfield, ON KOM 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No.: Chuck Wilkinson 705-887-8390

Comments/Conditions:

| Time Sampled<br>(Indicate AM/PM with 12-hour clock or use 24-hour clock) | Sampling Location<br>(Describe the location AND indicate an appropriate letter classification.<br>(D) Distribution - Consumed<br>(R) Raw - Before Treatment & Not Consumed<br>(E) Point of Entry - Consumed<br>(RWC) Raw Water - Consumed | Temp. of Sample (Indicate °F or °C) | Requires Notification as per SDWA 2002: (Please check one)<br>17/03<br>318/08<br>319/08<br>N/A | Treatment Information - Indicate Type/Chlorine Levels |           | Please Check Parameter Required |                   | Laboratory Number (SFA- ) | Nitrate as N (mg/L) | Nitrite as N (mg/L) | Nitrate + Nitrite as N (mg/L) | Reportable |
|--|---|-------------------------------------|--|---|-----------|---------------------------------|-------------------|---------------------------|---------------------|---------------------|-------------------------------|------------|
|  |   |                                     |  | Operational/Field Chlorine                            | Free mg/L | Nitrate                         | Nitrite + Nitrate |                           |                     |                     |                               |            |
| 9:00AM   | Lock 42 2597 Bonsor Rd  |                                     | <  |   |           |                                 |                   | 302                       | <0.010              | <0.010              | <0.010                        |            |
| 9:35AM   | Bridge 57 1641 Penninsula Pt. Rd  |                                     | <  |   |           |                                 |                   | 303                       | <0.010              | <0.010              | <0.010                        |            |
| 10:55AM  | Lock 43 19SR409 Unit 1  |                                     | <  |   |           |                                 |                   | 304                       | 0.035               | <0.010              | 0.035                         |            |
| 12:50pm  | Lock 44 7001 Upper Big Chute Rd   |                                     | <  |   |           |                                 |                   | 305                       | 0.036               | <0.010              | 0.036                         |            |
| 1:15pm   | Lock 45 175 Port Severn Rd N  |                                     | <  |   |           |                                 |                   | 306                       | 0.041               | <0.010              | 0.041                         |            |
| 8:46am   | Washago Shop 3321 Bond St   |                                     | <  |   |           |                                 |                   | 307                       | 0.037               | <0.010              | 0.037                         |            |

All samples will be considered DISTRIBUTION samples unless otherwise indicated. Sampling Precautions: Transport water samples under refrigeration to laboratory. The samples require analysis ideally within 30 hours and must be analyzed within 7 days of collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. COAL is accredited by SCC and licensed by MOE in these specific inorganic parameters. Samples have been analyzed as received. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html) if holding time is required the laboratory will add the preservative. N/R = Not Received N/A = Not Applicable

FOR LABORATORY USE ONLY / LABORATORY COMMENTS  
 AUG 21 2014 1530  
 Analyzed By: *AN* Audited By: *B*  
 Nitrate/Nitrate + Nitrite Methodology (COAL N): SFA mg/L, Reportable Limit- 10.0 mg/L  
 Nitrite Methodology (COAL N): SFA mg/L, Reportable Limit- 1.0 mg/L  
 FAXED, SCANNED & EMAILED  
 AUG 21 2014 -08- 21 2014  
 Pre-Fax Check By: *BY*

Lab No: \_\_\_\_\_ Parameter: \_\_\_\_\_ H.U. @ \_\_\_\_\_ SAC @ \_\_\_\_\_ AWQI # \_\_\_\_\_ Date: \_\_\_\_\_  
 Adverse Reported to Submitting Agency @ \_\_\_\_\_  
 Transcribed By: \_\_\_\_\_ Report Authorized By: \_\_\_\_\_  
 Transcription Verified By: \_\_\_\_\_ Email Customer: \_\_\_\_\_  
 Email H.U.: \_\_\_\_\_  
 MOE/MOHLTC Upload: \_\_\_\_\_  
 Invoiced: \_\_\_\_\_

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 17/03 and O. Reg 318/08 (please see [www.ene.gov.on.ca](http://www.ene.gov.on.ca) for more information), requires that notification of exceedances must be reported to MOE/MOHLTC/MOHW/Works for O. Reg 17/03 and to MOHLTC/MOHW/Works for O. Reg 318/08, 319/08. Health Unit telephone and fax numbers are indicated on adverse paperwork. Failure to do so is an offence under the Act. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**

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 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

**Chain of Custody**

Date/Time/Temp. (°C) Received: Initials of Receiver:  
**RECEIVED AB 20, 8**  
**AUG 20 2014 11:50**

FOR LAB USE ONLY

**Primary Report for Nitrate and Nitrite Analysis of Water**

Report To: **Trent Severn Waterway ATTN: Chuck Wilkinson**  
 Address: **2023 Kirkfield Road, P.O. Box 10 Kirkfield, ON K0M 2B0**  
 Telephone: **705 438-3153** Ext: **705-438-5201 + Scan & Email**  
 Email Address: **chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca**

"Live Person" After Hours Contact Name and Tel. No: **Chuck Wilkinson 705-887-8390**

Township/Town: \_\_\_\_\_

Systems Health Unit: **HKPRDHU**

Total # of pages sent: \_\_\_\_\_

# of samples sent this page: \_\_\_\_\_

# of samples rec'd this page: **11**

Name of Facility: **Kirkfield Sector**

Drinking Water System (DWS) # \_\_\_\_\_

(As Assigned By MOE/MOHLTC)

Submitted By: **Sterling S.**

Signature: \_\_\_\_\_

Comments/Conditions: \_\_\_\_\_

| Time Sampled (Indicate AM/PM with 12-hour clock or use 24-hour clock) | Sample Identifier | Sampling Location (Describe the location AND indicate an appropriate letter classification, (D) Distribution - Consumed (R) Raw - Before Treatment & Not Consumed (E) Point of Entry - Consumed (RWC) Raw Water - Consumed | Requires Notification as per SDWA 2002: (Please check one) | Temp. of Sample (Indicate °F or °C) | Treatment Information - Indicate Type/Chlorine Levels |            |           | Please Check Parameter Required |                   | Laboratory Number (SFA - ) | Nitrate as N (mg/L) | Nitrite as N (mg/L) | Nitrate + Nitrite as N (mg/L) | Reportable |
|---|-------------------|--|--|-------------------------------------|---|------------|-----------|---------------------------------|-------------------|----------------------------|---------------------|---------------------|-------------------------------|------------|
|   |                   |  |  |                                     | Other   | Total mg/L | Free mg/L | Nitrate                         | Nitrite + Nitrate |                            |                     |                     |                               |            |
| 8:20 AM   |                   | Lock 36 2023 Kirkfield Rd - Kirkfield  | 170/03   | 3/18/08                             |   |            |           |                                 |                   | 309                        | 0.074               | 0.074               | 0.074                         | Reportable |
| 9:08 AM   |                   | Lock 35 161 Trent Canal Rd - Rosedale  | 3/18/08  | N/A                                 |   |            |           |                                 |                   | 310                        | 0.010               | 0.010               | 0.010                         | Reportable |
| 9:46 AM   |                   | Bridge 43 138 Bolsover Rd - Bolsover   | 3/18/08  |                                     |   |            |           |                                 |                   | 311                        | 0.010               | 0.010               | 0.010                         | Reportable |
| 9:56 AM   |                   | Bridge 44 34223 Mara Eldon Boundary Rd   | 3/18/08  |                                     |   |            |           |                                 |                   | 312                        | 0.029               | 0.029               | 0.029                         | Reportable |
| 10:00 AM  |                   | Lock 37 92 Talbot Dr - Bolsover  | 3/18/08  |                                     |   |            |           |                                 |                   | 313                        | 0.023               | 0.023               | 0.023                         | Reportable |
| 10:20 AM  |                   | Lock 38 1419 Canal Rd - Talbot   | 3/18/08  |                                     |   |            |           |                                 |                   | 314                        | 0.010               | 0.010               | 0.010                         | Reportable |
| 10:32 AM  |                   | Lock 39 33245 Durham Rd - Portage  | 3/18/08  |                                     |   |            |           |                                 |                   | 315                        | 0.010               | 0.010               | 0.010                         | Reportable |
| 10:40 AM  |                   | Lock 40 33245 Durham Rd - Thorah   | 3/18/08  |                                     |   |            |           |                                 |                   | 316                        | 0.012               | 0.012               | 0.012                         | Reportable |
| 10:52 AM  |                   | Lock 41 33235 Durham Rd - Gamebridge   | 3/18/08  |                                     |   |            |           |                                 |                   | 317                        | 0.428               | 0.428               | 0.428                         | Reportable |
| 11:06 AM  |                   | Bridge 50 1202 Ramara Rd. - Beaverton  | 3/18/08  |                                     |   |            |           |                                 |                   | 318                        | 0.035               | 0.035               | 0.035                         | Reportable |
| 8:35 AM   |                   | Kirkfield Shop   | 3/18/08  |                                     |   |            |           |                                 |                   | 319                        | 0.010               | 0.010               | 0.010                         | Reportable |

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**FOR LABORATORY USE ONLY / LABORATORY COMMENTS**

Analysis Date & Time: **AUG 21 2014 15:50**  
 Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_  
 Nitrate/Nitrate + Nitrite Methodology (COAL N): SFA mg/L, Reportable Limit- 10.0 mg/L  
 Nitrite Methodology (COAL N): SFA mg/L, Reportable Limit- 1.0 mg/L

Lab No: \_\_\_\_\_ Parameter: \_\_\_\_\_ SAC @ \_\_\_\_\_ AWQI # \_\_\_\_\_  
 Adverse Reported to Submitting Agency @ \_\_\_\_\_ H.U. @ \_\_\_\_\_  
 Transcribed By: \_\_\_\_\_ Transcription Verified By: \_\_\_\_\_  
 Report Authorized By: \_\_\_\_\_  
 Email/Mail Customer: \_\_\_\_\_ Email H.U.: \_\_\_\_\_  
 MOE/MOHLTC Upload: \_\_\_\_\_  
 Invoiced: \_\_\_\_\_

Pre-Fax Check By: \_\_\_\_\_  
**SCANNED & EMAILED - AXED**  
**08-21-2014**  
**AUG 21 2014**  
 Page: \_\_\_\_\_ of \_\_\_\_\_

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



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 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-06-09 14:30 |
| 2014-06-09 13:25      | 11.6               | AB        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-06-09  
 Collected By: Josh Crego  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | HKPRDHU        |
| Regulation            | 319/08         |
| Total # of pages sent | 1              |
| # of samples sent     | 1              |
| # of samples received | 1              |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; leigh.trethewey@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Josh Crego

|                            |
|----------------------------|
| <b>Conditions/Comments</b> |
|----------------------------|

| Time Sampled              | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|---------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                           |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Gamebridge Lock 41</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:20                     |                   | 33235 Durham Rd.                  | D          |                         |                       |       |                              | 009633                      | 0                 | 0              | 0          |         |            |            |            |     |          |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.  
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Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.  
 COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.  
 For collection and handling procedures visit www.coalab.ca/watersamples.html  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2014-06-10 13:00 Enumerated By: GD Audited By: AK Methodology: M/F CFU/100ml  
 Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: LJ/AB/HM  
 Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

| Test Methodology and Detection Limit | Detection Limit             | Reportable Limit:        | 1    | Performed by                     | M/F CFU/100 ml |
|--------------------------------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated) COAL Endo   | 0 - 80                      | 1                        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated) COAL DC   | 0 - 80                      | 1                        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli COAL DC                      | 0 - 60                      | 1                        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background COAL Endo                 | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background COAL DC                   | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC COAL HPC                         | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus COAL FS         | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-07-02 14:00 |
| 2014-07-02 12:14      | 23.5               | MH        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-07-02  
 Collected By: Ellie Wright  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |         |
|-----------------------|---------|
| Twp/Town              |         |
| Systems Health Unit   | HKPRDHU |
| Regulation            | 319/08  |
| Total # of pages sent | 3       |
| # of samples sent     | 11      |
| # of samples received | 11      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; leigh.trethewey@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Ellie Wright

**Conditions/Comments**

| Time Sampled                         | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|--------------------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                                      |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Rosedale Lock 35 #835J66E47</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:58                                |                   |                                   | D          |                         |                       |       |                              |                             | 011635            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Kirkfield Lock 36 #835J66E39</b>  |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:10                                |                   | 2023 Kirkfield Rd.                | D          |                         |                       |       |                              |                             | 011636            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bolsover Lock 37 #835J66E21</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:52                                |                   | 92 Talbot Dr.                     | D          |                         |                       |       |                              |                             | 011637            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bolsover Bridge 43 (Reg. N/A)</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:18                                |                   |                                   | D          |                         |                       |       |                              |                             | 011638            | 0              | 0          | 0       |            |            |            |     |          |

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For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter NR = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2014-07-03 13:00 Enumerated By: LC Audited By: AK Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: CAB Authorized & Rechecked By: TJ/JT Copy Released By: AV/AB/CAB/HM

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

**Test Methodology and Detection Limit**

|                            |           |                 |                             |                          |      |                                  |                |
|----------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)   | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated) | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                    | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                        | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus       | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

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## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-07-02 14:00 |
| 2014-07-02 12:14      | 23.5               | MH        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-07-02  
 Collected By: Ellie Wright  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | 318/08         |
| Total # of pages sent | 3              |
| # of samples sent     | 11             |
| # of samples received | 11             |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; leigh.trethewey@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Ellie Wright

|                            |
|----------------------------|
| <b>Conditions/Comments</b> |
|----------------------------|

| Time Sampled              | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|---------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                           |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Talbot Lock 38</b>     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:40                     |                   | 1419 Canal Rd.                    | D          |                         |                       |       |                              |                             | 011639            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Portage Lock 39</b>    |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:27                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              |                             | 011640            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Thorah Lock 40</b>     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:17                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              |                             | 011641            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Gamebridge Lock 41</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:07                     |                   | 33235 Durham Rd.                  | D          |                         |                       |       |                              |                             | 011642            | 0              | 0          | 0       |            |            |            |     |          |

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F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter NR = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2014-07-03 13:00 Enumerated By: LC Audited By: AK Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: CAB Authorized & Rechecked By: TJ/JT Copy Released By: AV/AB/CAB/HM

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

**Test Methodology and Detection Limit**

|                            |           |                 |                             |                          |      |                                  |                |
|----------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)   | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated) | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                    | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                        | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus       | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

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## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-07-02 14:00 |
| 2014-07-02 12:14      | 23.5               | MH        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-07-02  
 Collected By: Ellie Wright  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**  
 Submitted By: Ellie Wright

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | N/A            |
| Total # of pages sent | 3              |
| # of samples sent     | 11             |
| # of samples received | 11             |

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 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; leigh.trethewey@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

**Conditions/Comments**

| Time Sampled          | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|-----------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                       |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Bridge 44</b>      |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:10                 |                   | 34223 Mara Eldon Boundary Rd.     | D          |                         |                       |       |                              |                             | 011643            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bridge 50</b>      |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:55                 |                   | 1202 Ramara Rd. Lakeshore         | D          |                         |                       |       |                              |                             | 011644            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Kirkfield Shop</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:15                 |                   | 46 Talbot St.                     | D          |                         |                       |       |                              |                             | 011645            | 0              | 0          | 0       |            |            |            |     |          |

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 For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
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 Raw = R  
 Distribution = D  
 Point of Entry = E

Analysis Date & Time: 2014-07-03 13:00 Enumerated By: LC Audited By: AK Methodology: M/F CFU/100ml  
 Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: CAB Authorized & Rechecked By: TJ/JT Copy Released By: AV/AB/CAB/HM  
 Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

| Test Methodology and Detection Limit |           |                 |                             |                          |      |                                  |                |
|--------------------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)             | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated)           | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |



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## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-07-15 14:00 |
| 2014-07-15 12:25      | 16.7               | LJ        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-07-15

Collected By:  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) #** **Please See Below**

|                       |         |
|-----------------------|---------|
| Twp/Town              |         |
| Systems Health Unit   | HKPRDHU |
| Regulation            | 319/08  |
| Total # of pages sent | 3       |
| # of samples sent     | 11      |
| # of samples received | 11      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By:

**Conditions/Comments**

| Time Sampled                         | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|--------------------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                                      |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Rosedale Lock 35 #835J66E47</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:49                                |                   | 161 Trent Canal Rd.               | D          |                         |                       |       |                              |                             | 012673            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Kirkfield Lock 36 #835J66E39</b>  |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:15                                |                   | 2023 Kirkfield Rd.                | D          |                         |                       |       |                              |                             | 012674            | 0              | 0          | 2       |            |            |            |     |          |
| <b>Bolsover Lock 37 #835J66E21</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:17                                |                   | 92 Talbot Dr.                     | D          |                         |                       |       |                              |                             | 012675            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bolsover Bridge 43 (Reg. N/A)</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:50                                |                   | 138 Bolsover Rd.                  | D          |                         |                       |       |                              |                             | 012676            | 0              | 0          | 0       |            |            |            |     |          |

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For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

N/R = Not Received

F.S. and HPC require 48 hours of incubation

Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2014-07-16 13:00 Enumerated By: AK Audited By: AV Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: AC

Authorized & Rechecked By: TJ/JT

Copy Released By: HML/LJ

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

**Test Methodology and Detection Limit**

|                            |           |                 |                             |                          |      |                                  |                |
|----------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)   | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated) | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                    | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                        | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus       | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-07-15 14:00 |
| 2014-07-15 12:25      | 16.7               | LJ        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-07-15

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | 318/08         |
| Total # of pages sent | 3              |
| # of samples sent     | 11             |
| # of samples received | 11             |

Collected By: Ellie Wright

Name of Facility: Kirkfield Sector

Drinking Water System (DWS) #: Please See Below

Submitted By: Ellie Wright

|                            |
|----------------------------|
| <b>Conditions/Comments</b> |
|----------------------------|

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

| Time Sampled              | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|---------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                           |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Talbot Lock 38</b>     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:32                     |                   | 1419 Canal Rd.                    | D          |                         |                       |       |                              |                             | 012669            | 0              |            | 0       |            | 0          |            |     |          |
| <b>Portage Lock 39</b>    |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:40                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              |                             | 012670            | 0              |            | 0       |            | 0          |            |     |          |
| <b>Thorah Lock 40</b>     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:28                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              |                             | 012671            | 0              |            | 0       |            | 0          |            |     |          |
| <b>Gamebridge Lock 41</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:15                     |                   | 33235 Durham Rd.                  | D          |                         |                       |       |                              |                             | 012672            | 0              |            | 0       |            | 0          |            |     |          |

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F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2014-07-16 13:00 Enumerated By: AK Audited By: AV Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: HM/LJ

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

### Test Methodology and Detection Limit

|                            |           |                 |                             |                          |      |                                  |                |
|----------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)   | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated) | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                    | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                        | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus       | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

Approved for use by TJ prior to use.

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



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## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-07-15 14:00 |
| 2014-07-15 12:25      | 16.7               | LJ        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-07-15

Collected By:

Name of Facility: Kirkfield Sector

Drinking Water System (DWS) # **Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | N/A            |
| Total # of pages sent | 3              |
| # of samples sent     | 11             |
| # of samples received | 11             |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By:

Conditions/Comments

| Time Sampled          | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|-----------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                       |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Bridge 44</b>      |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:05                 |                   | 34223 Mara Eldon Boundary Rd.     | D          |                         |                       |       |                              |                             | 012677            | 0              |            | 0       |            | 0          |            |     |          |
| <b>Bridge 50</b>      |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:00                 |                   | 1202 Ramara Rd. Lakeshore         | D          |                         |                       |       |                              |                             | 012678            | 0              |            | 0       |            | 0          |            |     |          |
| <b>Kirkfield Shop</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:25                 |                   | 46 Talbot St.                     | D          |                         |                       |       |                              |                             | 012679            | 0              |            | 0       |            | 0          |            |     |          |

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F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2014-07-16 13:00 Enumerated By: AK Audited By: AV Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: HM/LJ

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

### Test Methodology and Detection Limit

|                            |           |                 |                             |                          |      |                                  |                |
|----------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)   | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated) | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                    | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                        | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus       | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

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 www.coalab.ca

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-07-28 14:30 |
| 2014-07-28 13:09      | 17.2               | TJ        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-07-28  
 Collected By: Chuck Wilkinson  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |         |
|-----------------------|---------|
| Twp/Town              |         |
| Systems Health Unit   | HKPRDHU |
| Regulation            | 319/08  |
| Total # of pages sent | 3       |
| # of samples sent     | 11      |
| # of samples received | 11      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

**Conditions/Comments**

| Time Sampled                         | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              | Laboratory Number | Total Coliform              |     | E. coli    |     | Background |     | HPC        |     |
|--------------------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-------------------|-----------------------------|-----|------------|-----|------------|-----|------------|-----|
|                                      |                   |                                   |            |                         | UV                    | Other | Total Cl <sub>2</sub> (mg/L) |                   | Free Cl <sub>2</sub> (mg/L) | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< |
| <b>Rosedale Lock 35 #835J66E47</b>   |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 08:47                                |                   | 161 Trent Canal Rd.               | D          |                         |                       |       |                              | 013779            | 0                           | 0   | 0          |     |            |     |            |     |
| <b>Kirkfield Lock 36 #835J66E39</b>  |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 09:40                                |                   | 2023 Kirkfield Rd.                | D          |                         |                       |       |                              | 013780            | 0                           | 0   | 0          |     |            |     |            |     |
| <b>Bolsover Lock 37 #835J66E21</b>   |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 10:15                                |                   | 92 Talbot Dr.                     | D          |                         |                       |       |                              | 013781            | 0                           | 0   | 0          |     |            |     |            |     |
| <b>Bolsover Bridge 43 (Reg. N/A)</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 09:45                                |                   | 138 Bolsover Rd.                  | D          |                         |                       |       |                              | 013782            | 0                           | 0   | 0          |     |            |     |            |     |

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F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2014-07-29 13:00 Enumerated By: GD Audited By: AK Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: AC

Authorized & Rechecked By: TJ/JT

Copy Released By: LJ/CAB/AB/HM

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

### Test Methodology and Detection Limit

|                            |           |                 |                             |                          |      |                                  |                |
|----------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)   | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated) | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                    | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                        | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus       | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

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www.coalab.ca

## Final Certificate of Microbiological Analysis of Drinking Water

|   |                               |                 |  |
|---|-------------------------------|-----------------|--|
| Date & Time Received:<br>2014-07-28 13:09 | Temp. Rec'd.<br>(°C):<br>17.2 | Receiver:<br>TJ | Date & Time Incubated:<br>2014-07-28 14:30 |
|   |                               |                 | HPC & FS Date & Time Incubated:            |

|  |                              |
|--|------------------------------|
| Date Sampled:<br>2014-07-28                              | Twp/Town<br>Kawartha Lakes   |
| Collected By:<br>Chuck Wilkinson                         | Systems Health Unit<br>RMDHD |
| Name of Facility:<br>Kirkfield Sector                    | Regulation<br>318/08         |
| Drinking Water System (DWS) #<br><b>Please See Below</b> | Total # of pages sent<br>3   |
|  | # of samples sent<br>11      |
|  | # of samples received<br>11  |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

Conditions/Comments

| Time Sampled              | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              | Laboratory Number | Total Coliform              |     | E. coli    |     | Background |     | HPC        |     |
|---------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-------------------|-----------------------------|-----|------------|-----|------------|-----|------------|-----|
|                           |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) |                   | Free Cl <sub>2</sub> (mg/L) | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< |
| <b>Talbot Lock 38</b>     |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 10:45                     |                   | 1419 Canal Rd.                    | D          |                         |                       |       |                              | 013783            | 0                           | 0   | 0          |     |            |     |            |     |
| <b>Portage Lock 39</b>    |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 11:00                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              | 013784            | 0                           | 0   | 0          |     |            |     |            |     |
| <b>Thorah Lock 40</b>     |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 11:05                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              | 013785            | 0                           | 0   | 0          |     |            |     |            |     |
| <b>Gamebridge Lock 41</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 11:30                     |                   | 33235 Durham Rd.                  | D          |                         |                       |       |                              | 013786            | 0                           | 0   | 18         |     |            |     |            |     |

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Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

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F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2014-07-29 13:00 Enumerated By: GD Audited By: AK Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: LJ/CAB/AB/HM

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

### Test Methodology and Detection Limit

|                            |           |                 |                             |                          |      |                                  |                |
|----------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)   | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated) | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                    | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                        | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus       | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

Approved for use by TJ prior to use.

Final Certificate, PITA 102, 1311, Revision 1.3

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



4260 Burnside Line, R.R. #4  
Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Microbiological Analysis of Drinking Water

|   |                               |                 |  |
|---|-------------------------------|-----------------|--|
| Date & Time Received:<br>2014-07-28 13:09 | Temp. Rec'd.<br>(°C):<br>17.2 | Receiver:<br>TJ | Date & Time Incubated:<br>2014-07-28 14:30 |
|   |                               |                 | HPC & FS Date & Time Incubated:            |

|   |                              |
|---|------------------------------|
| Date Sampled:<br>2014-07-28                       | Twp/Town<br>Kawartha Lakes   |
| Collected By:<br>Chuck Wilkinson                  | Systems Health Unit<br>RMDHD |
| Name of Facility:<br>Kirkfield Sector             | Regulation<br>N/A            |
| Drinking Water System (DWS) #<br>Please See Below | Total # of pages sent<br>3   |
|   | # of samples sent<br>11      |
|   | # of samples received<br>11  |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: [chuck.wilkinson@pc.gc.ca](mailto:chuck.wilkinson@pc.gc.ca); [kim.marshall@pc.gc.ca](mailto:kim.marshall@pc.gc.ca); [nicole.hamilton@pc.gc.ca](mailto:nicole.hamilton@pc.gc.ca)

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

Conditions/Comments

| Time Sampled          | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|-----------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                       |                   |                                   |            |                         | UV                    | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Bridge 44</b>      |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:00                 |                   | 34223 Mara Eldon Boundary Rd.     | D          |                         |                       |       |                              |                             | 013787            | 0              | 0          | 23      |            |            |            |     |          |
| <b>Bridge 50</b>      |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:50                 |                   | 1202 Ramara Rd. Lakeshore         | D          |                         |                       |       |                              |                             | 013788            | 0              | 0          | 1       |            |            |            |     |          |
| <b>Kirkfield Shop</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:12                 |                   | 46 Talbot St.                     | D          |                         |                       |       |                              |                             | 013789            | 0              | 0          | 0       |            |            |            |     |          |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Raw = R  
Distribution = D  
Point of Entry = E

Analysis Date & Time: 2014-07-29 13:00 Enumerated By: GD Audited By: AK Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: LJ/CAB/AB/HM

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

| Test Methodology and Detection Limit | Detection Limit             | Reportable Limit:        | 1    | Performed by                     | M/F CFU/100 ml |
|--------------------------------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated) COAL Endo   | 0 - 80                      | 1                        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated) COAL DC   | 0 - 80                      | 1                        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli COAL DC                      | 0 - 60                      | 1                        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background COAL Endo                 | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background COAL DC                   | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC COAL HPC                         | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus COAL FS         | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

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 Orillia, ON L3V 6H4  
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[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-09-10 15:00 |
| 2014-09-10 14:05      | 22.4               | LJ        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-09-10  
 Collected By: Chuck Wilkinson  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |        |
|-----------------------|--------|
| Twp/Town              |        |
| Systems Health Unit   | RMDHU  |
| Regulation            | 319/08 |
| Total # of pages sent | 1      |
| # of samples sent     | 1      |
| # of samples received | 1      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: [chuck.wilkinson@pc.gc.ca](mailto:chuck.wilkinson@pc.gc.ca); [kim.marshall@pc.gc.ca](mailto:kim.marshall@pc.gc.ca); [nicole.hamilton@pc.gc.ca](mailto:nicole.hamilton@pc.gc.ca)  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

**Conditions/Comments**

| Time Sampled          | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|-----------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                       |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Kirkfield Shop</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:15                 |                   | 46 Talbot St.                     | D          |                         |                       |       |                              |                             | 017539            | 0              | 0          | 0       |            |            |            |     |          |

**All samples will be considered DISTRIBUTION samples unless otherwise indicated.**  
**All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).**  
 Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.  
 COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.  
 For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC  
 Raw = R  
 Distribution = D  
 Point of Entry = E

Analysis Date & Time: 2014-09-11 14:00 Enumerated By: GD Audited By: LJ Methodology: M/F CFU/100ml  
 Analysis Date & Time: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: CAB Authorized & Rechecked By: TJ/JT Copy Released By: LJ/AB/CAB/HM  
 Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

| Test Methodology and Detection Limit | COAL      | Detection Limit             | Reportable Limit:             | 1                                | Performed by   | Methodology |
|--------------------------------------|-----------|-----------------------------|-------------------------------|----------------------------------|----------------|-------------|
| Total Coliform (Treated)             | COAL Endo | 0 - 80                      | 1                             | Performed by Membrane Filtration | M/F CFU/100 ml |             |
| Total Coliform (Untreated)           | COAL DC   | 0 - 80                      | 1                             | Performed by Membrane Filtration | M/F CFU/100 ml |             |
| E. coli                              | COAL DC   | 0 - 60                      | 1                             | Performed by Membrane Filtration | M/F CFU/100 ml |             |
| Background                           | COAL Endo | 0 - 200                     | Indicates Deterioration: >200 | Performed by Membrane Filtration | M/F CFU/100 ml |             |
| Background                           | COAL DC   | 0 - 200                     | Indicates Deterioration: >200 | Performed by Membrane Filtration | M/F CFU/100 ml |             |
| HPC                                  | COAL HPC  | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: >500 | Performed by Spread Plate        | SP CFU/1 ml    |             |
| Faecal Streptococcus                 | COAL FS   | 0 - 80                      | 1                             | Performed by Membrane Filtration | M/F CFU/100 ml |             |

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www.coalab.ca

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-11-05 13:30 |
| 2014-11-05 12:36      | 19.9               | MH        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-11-05  
Collected By: Kim Marshall  
Name of Facility: Kirkfield Sector  
Drinking Water System (DWS) # **Please See Below**

|                       |         |
|-----------------------|---------|
| Twp/Town              |         |
| Systems Health Unit   | HKPRDHU |
| Regulation            | 319/08  |
| Total # of pages sent | 1       |
| # of samples sent     | 1       |
| # of samples received | 1       |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Jim Bacon

**Conditions/Comments**

| Time Sampled                        | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|-------------------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                                     |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Kirkfield Lock 36 #835J66E39</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:30                               |                   | 2023 Kirkfield Rd.                | D          |                         |                       |       |                              |                             | 021380            | 0              |            | 0       |            | 0          |            |     |          |
|                                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |

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For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N.R. = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Raw = R  
Distribution = D  
Point of Entry = E  
Raw Water Consumed = RWC

Analysis Date & Time: 2014-11-06 13:00 Enumerated By: GD Audited By: CS Methodology: M/F CFU/100ml

Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: ST Authorized & Rechecked By: JT/TJ Copy Released By: GD/AB/AM

Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

**Test Methodology and Detection Limit**

|                            |           |                 |                             |                          |      |                                  |                |
|----------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)   | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated) | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                    | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                        | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus       | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |



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[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Chemical Analysis of Water

|                       |                    |           |                             |       |
|-----------------------|--------------------|-----------|-----------------------------|-------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Lead Preserved: | Tech: |
| 2014-12-03 12:25      | 16.6               | MH        | 2014-12-03 15:06            | JT    |

Date Sampled: 2014-12-03

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHU          |
| Regulation            | N/A            |
| Total # of pages sent | 1              |
| # of samples sent     | 1              |
| # of samples received | 1              |

Collected By: C. Wilkinson

Name of Facility: Kirkfield Sector

Drinking Water System (DWS) #: Please See Below

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chick Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON, K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: C. Wilkinson

**Conditions/Comments**

| Time Sampled     | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Laboratory Number | Lead |      | Turbidity NTU | Alkalinity |                           | pH (at 25°C) |  |  |  |
|------------------|-------------------|-----------------------------------|------------|-------------------------|-------------------|------|------|---------------|------------|---------------------------|--------------|--|--|--|
|                  |                   |                                   |            |                         |                   | >/<  | µg/L |               | >/<        | mg/L as CaCO <sub>3</sub> |              |  |  |  |
| <b>Bridge 50</b> |                   |                                   |            |                         |                   |      |      |               |            |                           |              |  |  |  |
| 09:20            |                   | 1202 Ramara Rd. Lakeshore         | D          |                         | L-104             | <    | 1.00 |               |            |                           |              |  |  |  |
|                  |                   |                                   |            |                         |                   |      |      |               |            |                           |              |  |  |  |
|                  |                   |                                   |            |                         |                   |      |      |               |            |                           |              |  |  |  |

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific inorganic and physical parameters. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
 N/R = Not Received N/A = Not Applicable

Raw = R  
 Distribution = D  
 Point of Entry = E  
 Raw Water Consumed = RWC

Lead Analysis Date & Time: 2014-12-16 16:00 Analyzed By: JT Audited By: AF Methodology: AA µg/L

Turbidity Analysis Date & Time: Analyzed By: Audited By: Methodology: Nephelometric NTU

Total Alkalinity Analysis Date & Time: Analyzed By: Audited By: Methodology: Digital Titration mg/L as CaCO<sub>3</sub>

pH Analysis Date & Time: Analyzed By: Audited By: Methodology: Electrometric pH

Transcribed By: ST Authorized & Rechecked By: JT/TJ Copy Released By: JT/AB

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

**Test Methodology and Detection Limit**

|                  |          |                 |             |                   |           |              |                                    |
|------------------|----------|-----------------|-------------|-------------------|-----------|--------------|------------------------------------|
| Lead             | COAL AA  | Detection Limit | 1.00 µg/L   | Reportable Limit: | 10.0 µg/L | Methodology: | Graphite Furnace Atomic Absorption |
| pH               | COAL pH  | Detection Limit | 4 - 10      | Reportable Limit: | N/A       | Methodology: | Electrometric                      |
| Total Alkalinity | COAL Alk | Detection Limit | 10 - 4000   | Reportable Limit: | N/A       | Methodology: | Digital Titrator                   |
| Turbidity        | COAL T   | Detection Limit | 0.10 - 40.0 | Reportable Limit: | N/A       | Methodology: | Nephelometric                      |

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**

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Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
www.coalab.ca

**Chain of Custody**

**Primary Report for Nitrate and Nitrite Analysis of Water**

Date Sampled: 2014-07-15

Township/Town: \_\_\_\_\_  
Systems Health Unit: HKPRDHU  
Total # of pages sent: \_\_\_\_\_  
# of samples sent this page: \_\_\_\_\_  
# of samples r'cvd this page: 11

FOR LAB USE ONLY  
Date/Time/Temp. (°C) Received: \_\_\_\_\_ Initials of Receiver: \_\_\_\_\_  
RECEIVED 12:25 16-7  
JUL 15 2014

Collected By: (Please Print) Elie Wright  
Signature: [Signature]  
Name of Facility: Kirkfield Sector

Report To: **Trent Severn Waterway ATTN: Chuck Wilkinson**  
Address: 2023 Kirkfield Road, P.O.Box 10 Kirkfield, ON K0M 2B0  
Telephone: 705 438-3153 Ext: \_\_\_\_\_ Fax: 705-438-5201 + Scan & Email  
Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

Drinking Water System (DWS) # \_\_\_\_\_  
(As Assigned By MOE/MOHLTC)  
Submitted By: (Please Print) Elie Wright  
Signature: [Signature]

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Comments/Conditions: \_\_\_\_\_

| Time Sampled<br>(Indicate AM/PM with 12-hour clock or use 24-hour clock) | Sample Identifier | Sampling Location<br>Describe the location AND indicate an appropriate letter classification.<br>(D) Distribution - Consumed<br>(R) Raw - Before Treatment & Not Consumed<br>(E) Point of Entry - Consumed<br>(RWC) Raw Water - Consumed | Requires Notification as per SDWA 2002: (Please check one) |                |     |      | Temp. of Sample (Indicate °F or °C) | Treatment Information - Indicate Type/Chlorine Levels |         | Please Check Parameter Required |                   |      | Laboratory Number (SFA-) | Nitrate as N (mg/L) | Reportable | Nitrite as N (mg/L) | Reportable | Nitrate + Nitrite as N (mg/L) | Reportable |
|--|-------------------|--|--|----------------|-----|------|-------------------------------------|---|---------|---------------------------------|-------------------|------|--------------------------|---------------------|------------|---------------------|------------|-------------------------------|------------|
|  |                   |  | 170/03   | 318/08; 319/08 | N/A | U.V. |                                     | Other   | Nitrate | Nitrite                         | Nitrate + Nitrite |      |                          |                     |            |                     |            |                               |            |
| 8:15   | <del>8:15</del>   | Lock 36 2023 Kirkfield Rd - Kirkfield  |  |                | ✓   |      |                                     |   |         |                                 |                   | 209B | 0.128                    |                     | <0.010     |                     | 0.128      |                               |            |
| 8:55   | <del>8:55</del>   | Lock 35 161 Trent Canal Rd - Rosedale  |  |                | ✓   |      |                                     |   |         |                                 |                   | 210B | 0.070                    |                     | <0.010     |                     | 0.070      |                               |            |
|  | 9:45              | Bridge 43 138 Bolsover Rd - Bolsover   |  |                | ✓   |      |                                     |   |         |                                 |                   | 211  | <0.010                   |                     | <0.010     |                     | <0.010     |                               |            |
|  | 10:10             | Bridge 44 34223 Mara Eldon Boundary Rd   |  |                | ✓   |      |                                     |   |         |                                 |                   | 212  | <0.010                   |                     | <0.010     |                     | <0.010     |                               |            |
|  | 10:15             | Lock 37 92 Talbot Dr - Bolsover  |  |                | ✓   |      |                                     |   |         |                                 |                   | 213  | <0.010                   |                     | <0.010     |                     | <0.010     |                               |            |
| 10:35  | <del>10:35</del>  | Lock 38 1419 Canal Rd - Talbot   |  |                | ✓   |      |                                     |   |         |                                 |                   | 214  | 0.019                    |                     | <0.010     |                     | 0.019      |                               |            |
|  | 11:42             | Lock 39 33245 Durham Rd - Portage  |  |                | ✓   |      |                                     |   |         |                                 |                   | 215  | <0.010                   |                     | <0.010     |                     | <0.010     |                               |            |
|  | 11:30             | Lock 40 33245 Durham Rd - Thorah   |  |                | ✓   |      |                                     |   |         |                                 |                   | 216  | 0.016                    |                     | <0.010     |                     | 0.016      |                               |            |
|  | 11:25             | Lock 41 33235 Durham Rd - Gamebridge   |  |                | ✓   |      |                                     |   |         |                                 |                   | 217  | 0.550                    |                     | <0.010     |                     | 0.550      |                               |            |
|  | 11:07             | Bridge 50 1202 Ramara Rd. - Beaverton  |  |                | ✓   |      |                                     |   |         |                                 |                   | 218  | 0.015                    |                     | <0.010     |                     | 0.015      |                               |            |
|  | 9:30              | Kirkfield Shop   |  |                | ✓   |      |                                     |   |         |                                 |                   | 219  | 0.174                    |                     | <0.010     |                     | 0.174      |                               |            |

All samples will be considered DISTRIBUTION samples unless otherwise indicated. Sampling Precautions: Transport water samples under refrigeration to laboratory. The samples require analysis ideally within 30 hours and must be analyzed within 7 days of collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. COAL is accredited by SCC and licensed by MOE in these specific inorganic parameters. Samples have been analyzed as received. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html. If holding time is required the laboratory will add the preservative. N/R = Not Received N/A = Not Applicable

FOR LABORATORY USE ONLY / LABORATORY COMMENTS

Analysis Date & Time: JUL 17 2014 16:30 Analyzed By: [Signature] Audited By: [Signature] Nitrate/Nitrate + Nitrite Methodology (COAL N): SFA mg/L, Reportable Limit: 1.0 mg/L  
Nitrite Methodology (COAL N): SFA mg/L, Reportable Limit: 1.0 mg/L

Lab No: \_\_\_\_\_ Parameter: \_\_\_\_\_ Adverse Reported to Submitting Agency @ \_\_\_\_\_ H.U. @ \_\_\_\_\_ SAC @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

Transcribed By: \_\_\_\_\_ Transcription Verified By: \_\_\_\_\_ Report Authorized By: \_\_\_\_\_ Email/Mail Customer: \_\_\_\_\_ Email H.U.: \_\_\_\_\_ MOE/MOHLTC Upload: \_\_\_\_\_ Invoiced: \_\_\_\_\_

SCANNED & EMAILED FAXED  
JUL 17 2014  
Page \_\_\_\_\_  
1-209

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 318/08, 319/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOH/Waterworks for O. Reg 170/03 and to MOHLTC/MOH/Waterworks for O. Reg 318/08, 319/08. Health Unit telephone and fax numbers are indicated on adverse paperwork. Failure to do so is an offence under the Act. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Nitrate and Nitrite Analysis of Water

|                       |                    |           |
|-----------------------|--------------------|-----------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: |
| 2014-08-12 11:56      | 20.9               | MH        |

Date Sampled: 2014-08-12

Collected By: Ellie Wright

Name of Facility: Kirkfield Sector

**Drinking Water System (DWS) #**

Submitted By: Ellie Wright

|                       |         |
|-----------------------|---------|
| Twp/Town              |         |
| Systems Health Unit   | HKPRDHU |
| Regulation            | N/A     |
| Total # of pages sent | 1       |
| # of samples sent     | 8       |
| # of samples received | 8       |

Report To: **Trent Severn Waterway ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road, P.O.Box 10 Kirkfield, ON K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

**Conditions/Comments**

| Time Sampled | Sample Identifier | Identification of Collection Site      | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Nitrate as N |       | Nitrite as N |       | Nitrate + Nitrite as N |       |
|--------------|-------------------|--|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|--------------|-------|--------------|-------|------------------------|-------|
|              |                   |  |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<          | mg/L  | >/<          | mg/L  | >/<                    | mg/L  |
| 09:00        |                   | Lock 35 161 Trent Canal Rd - Rosedale  |            |                         |                       |       |                              |                             | SFA-265           |              | 0.011 | <            | 0.010 |                        | 0.011 |
| 09:45        |                   | Bridge 43 138 Bolsover Rd - Bolsover   |            |                         |                       |       |                              |                             | SFA-266           | <            | 0.010 | <            | 0.010 | <                      | 0.010 |
| 10:01        |                   | Bridge 44 34223 Mara Eldon Boundary Rd |            |                         |                       |       |                              |                             | SFA-267           |              | 0.295 | <            | 0.010 |                        | 0.295 |
| 10:25        |                   | Lock 38 1419 Canal Rd - Talbot         |            |                         |                       |       |                              |                             | SFA-268           |              | 0.047 | <            | 0.010 |                        | 0.047 |
| 10:40        |                   | Lock 39 33245 Durham Rd - Portage      |            |                         |                       |       |                              |                             | SFA-269           | <            | 0.010 | <            | 0.010 | <                      | 0.010 |
| 10:45        |                   | Lock 40 33245 Durham Rd - Thorah       |            |                         |                       |       |                              |                             | SFA-270           |              | 0.035 | <            | 0.010 |                        | 0.035 |
| 10:51        |                   | Lock 41 33235 Durham Rd - Gamebridge   |            |                         |                       |       |                              |                             | SFA-271           |              | 0.539 | <            | 0.010 |                        | 0.539 |
| 11:05        |                   | Bridge 50 1202 Ramara Rd. - Beaverton  |            |                         |                       |       |                              |                             | SFA-272           |              | 0.017 | <            | 0.010 |                        | 0.017 |

**All samples will be considered DISTRIBUTION samples unless otherwise indicated. All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).**

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific inorganic parameters.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)

N/R = Not Received

N/A = Not Applicable

Raw = R

Distribution = D

Point of Entry = E

Raw Water Consumed = RWC

Analysis Date & Time: 2014-08-14 16:30 Analyzed By: AV Audited By: AD Methodology: SFA mg/L

Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: AB/AD

Lab No: Parameter: Submitting Agency @ H.U. @ SAC @ AWQI # By: Date:

**Test Methodology (SFA) and Detection Limit**

|                   |        |                 |            |                   |           |              |  |
|-------------------|--------|-----------------|------------|-------------------|-----------|--------------|--|
| Nitrate           | COAL N | Detection Limit | 0.010 mg/L | Reportable Limit: | 10.0 mg/L | Methodology: | Automated Colourmetric Determination of Nitrate as N in water samples (modified EPA353.2)            |
| Nitrite           | COAL N | Detection Limit | 0.010 mg/L | Reportable Limit: | 1.0 mg/L  | Methodology: | Automated Colourmetric Determination of Nitrite as N in water samples (modified EPA353.2)            |
| Nitrate + Nitrite | COAL N | Detection Limit | 0.010 mg/L | Reportable Limit: | 10.0 mg/L | Methodology: | Automated Colourmetric Determination of Nitrate + Nitrite as N in water samples (modified EPA 353.2) |

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



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[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Chemical Analysis of Water

|                       |                    |           |                             |       |
|-----------------------|--------------------|-----------|-----------------------------|-------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Lead Preserved: | Tech: |
| 2014-07-24 11:40      | 19.1               | AB        | 2014-07-24 12:15            | AV    |

Date Sampled: 2014-07-24

Collected By:

Name of Facility: Washago Sector

Drinking Water System (DWS) # **Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Simcoe Muskoka |
| Systems Health Unit   | SMDHU          |
| Regulation            | N/A            |
| Total # of pages sent | 1              |
| # of samples sent     | 1              |
| # of samples received | 1              |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: [chuck.wilkinson@pc.gc.ca](mailto:chuck.wilkinson@pc.gc.ca); [leigh.trethewey@pc.gc.ca](mailto:leigh.trethewey@pc.gc.ca)

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: \_\_\_\_\_

Conditions/Comments

| Time Sampled        | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Laboratory Number | Lead |      | Turbidity NTU | Alkalinity |                           | pH (at 25°C) |  |  |
|---------------------|-------------------|-----------------------------------|------------|-------------------------|-------------------|------|------|---------------|------------|---------------------------|--------------|--|--|
|                     |                   |                                   |            |                         |                   | >/<  | µg/L |               | >/<        | mg/L as CaCO <sub>3</sub> |              |  |  |
| <b>Washago Shop</b> |                   |                                   |            |                         |                   |      |      |               |            |                           |              |  |  |
| 11:05               |                   | 3321 Bond St.                     | D          |                         | L-59              |      | 1.11 |               |            |                           |              |  |  |
|                     |                   |                                   |            |                         |                   |      |      |               |            |                           |              |  |  |
|                     |                   |                                   |            |                         |                   |      |      |               |            |                           |              |  |  |
|                     |                   |                                   |            |                         |                   |      |      |               |            |                           |              |  |  |
|                     |                   |                                   |            |                         |                   |      |      |               |            |                           |              |  |  |
|                     |                   |                                   |            |                         |                   |      |      |               |            |                           |              |  |  |

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific inorganic and physical parameters. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
 N/R = Not Received N/A = Not Applicable

Raw = R  
 Distribution = D  
 Point of Entry = E  
 Raw Water Consumed = RWC

Lead Analysis Date & Time: 2014-07-31 15:00 Analyzed By: JT Audited By: AD Methodology: AA µg/L

Turbidity Analysis Date & Time: Analyzed By: Audited By: Methodology: Nephelometric NTU

Total Alkalinity Analysis Date & Time: Analyzed By: Audited By: Methodology: Digital Titration mg/L as CaCO<sub>3</sub>

pH Analysis Date & Time: Analyzed By: Audited By: Methodology: Electrometric pH

Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: HMTJ/CAB

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

Test Methodology and Detection Limit

|                  |          |                 |             |                   |           |              |                                    |
|------------------|----------|-----------------|-------------|-------------------|-----------|--------------|------------------------------------|
| Lead             | COAL AA  | Detection Limit | 1.00 µg/L   | Reportable Limit: | 10.0 µg/L | Methodology: | Graphite Furnace Atomic Absorption |
| pH               | COAL pH  | Detection Limit | 4 - 10      | Reportable Limit: | N/A       | Methodology: | Electrometric                      |
| Total Alkalinity | COAL Alk | Detection Limit | 10 - 4000   | Reportable Limit: | N/A       | Methodology: | Digital Titrator                   |
| Turbidity        | COAL T   | Detection Limit | 0.10 - 40.0 | Reportable Limit: | N/A       | Methodology: | Nephelometric                      |
| Turbidity        | COAL T   | Detection Limit | 0.10 - 40.0 | Reportable Limit: | N/A       | Methodology: | Nephelometric                      |

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



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 Orillia, ON L3V 6H4  
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[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Nitrate and Nitrite Analysis of Water

|                       |                    |           |
|-----------------------|--------------------|-----------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: |
| 2014-08-19 14:10      | 21.0               | LJ        |

|                               |                |                       |       |
|-------------------------------|----------------|-----------------------|-------|
| Date Sampled:                 | 2014-08-19     | Twp/Town              |       |
| Collected By:                 | Sterling S.    | Systems Health Unit   | SMDHU |
| Name of Facility:             | Washago Sector | Regulation            | N/A   |
| Drinking Water System (DWS) # |                | Total # of pages sent | 1     |
|                               |                | # of samples sent     | 6     |
|                               |                | # of samples received | 6     |
| Submitted By:                 | Sterling S.    | Conditions/Comments   |       |

Report To: **Trent Severn Waterway ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road, P.O.Box 10 Kirkfield, ON K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gca.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

| Time Sampled | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Nitrate as N |       | Nitrite as N |       | Nitrate + Nitrite as N |       |
|--------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|--------------|-------|--------------|-------|------------------------|-------|
|              |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<          | mg/L  | >/<          | mg/L  | >/<                    | mg/L  |
| 09:00        |                   | Lock 42 2597 Bonsor Rd            |            |                         |                       |       |                              |                             | SFA-302           | <            | 0.010 | <            | 0.010 | <                      | 0.010 |
| 09:25        |                   | Bridge 57 1641 Peninsula Pt. Rd   |            |                         |                       |       |                              |                             | SFA-303           | <            | 0.010 | <            | 0.010 | <                      | 0.010 |
| 10:55        |                   | Lock 43 19SR409 Unit 1            |            |                         |                       |       |                              |                             | SFA-304           |              | 0.035 | <            | 0.010 |                        | 0.035 |
| 12:50        |                   | Lock 44 7001 Upper Big Chute Rd   |            |                         |                       |       |                              |                             | SFA-305           |              | 0.036 | <            | 0.010 |                        | 0.036 |
| 12:17        |                   | Lock 45 175 Port Severn Rd N      |            |                         |                       |       |                              |                             | SFA-306           |              | 0.041 | <            | 0.010 |                        | 0.041 |
| 08:46        |                   | Washago Shop 3321 Bond St         |            |                         |                       |       |                              |                             | SFA-307           |              | 0.037 | <            | 0.010 |                        | 0.037 |
|              |                   |                                   |            |                         |                       |       |                              |                             |                   |              |       |              |       |                        |       |
|              |                   |                                   |            |                         |                       |       |                              |                             |                   |              |       |              |       |                        |       |

All samples will be considered DISTRIBUTION samples unless otherwise indicated. All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific inorganic parameters. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)

N/R = Not Received      N/A = Not Applicable

Raw = R  
 Distribution = D  
 Point of Entry = E  
 Raw Water Consumed = RWC

Analysis Date & Time: 2014-08-21 15:30 Analyzed By: AV Audited By: AD Methodology: SFA mg/L

Transcribed By: CAB Authorized & Rechecked By: TJJ/JT Copy Released By: AD/AB/HM/CAB

Lab No: \_\_\_\_\_ Parameter: \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ H.U. @ \_\_\_\_\_ SAC @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

**Test Methodology (SFA) and Detection Lim**

|                   |        |                 |            |                   |           |              |  |
|-------------------|--------|-----------------|------------|-------------------|-----------|--------------|--|
| Nitrate           | COAL N | Detection Limit | 0.010 mg/L | Reportable Limit: | 10.0 mg/L | Methodology: | Automated Colourmetric Determination of Nitrate as N in water samples (modified EPA353.2)            |
| Nitrite           | COAL N | Detection Limit | 0.010 mg/L | Reportable Limit: | 1.0 mg/L  | Methodology: | Automated Colourmetric Determination of Nitrite as N in water samples (modified EPA353.2)            |
| Nitrate + Nitrite | COAL N | Detection Limit | 0.010 mg/L | Reportable Limit: | 10.0 mg/L | Methodology: | Automated Colourmetric Determination of Nitrate + Nitrite as N in water samples (modified EPA 353.2) |

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



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[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-06-03 15:30 |
| 2014-06-03 14:55      | 18.6               | AB        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-06-03  
 Collected By: Chuck Wilkinson  
 Name of Facility: Washago Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |        |
|-----------------------|--------|
| Twp/Town              |        |
| Systems Health Unit   | SMDHU  |
| Regulation            | 318/08 |
| Total # of pages sent | 1      |
| # of samples sent     | 6      |
| # of samples received | 6      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: [chuck.wilkinson@pc.gc.ca](mailto:chuck.wilkinson@pc.gc.ca); [leigh.trethewey@pc.gc.ca](mailto:leigh.trethewey@pc.gc.ca); [nicole.hamilton@pc.gc.ca](mailto:nicole.hamilton@pc.gc.ca)  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

**Conditions/Comments**

| Time Sampled   | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|----------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Lock 42</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 01:55          |                   | 2597 Bonsor Rd.                   | D          |                         |                       |       |                              |                             | 009301            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Lock 43</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 12:30          |                   | 19 SR 409 Unit 1                  | D          |                         |                       |       |                              |                             | 009303            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Lock 44</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:30          |                   | 7001 Upper Big Chute Rd.          | D          |                         |                       |       |                              |                             | 009304            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Lock 45</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:25          |                   | 175 Port Severn Rd. N.            | D          |                         |                       |       |                              |                             | 009305            | 0              | 0          | 0       |            |            |            |     |          |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.  
 For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

N/R = Not Received

F.S. and HPC require 48 hours of incubation

Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2014-06-04 14:00 Enumerated By: GD Audited By: AK Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: HM

Authorized & Rechecked By: TJ/JT

Copy Released By: AB, AV, CAB

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

### Test Methodology and Detection Limit

|                            |           |                 |                             |                          |      |                                  |                |
|----------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)   | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated) | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                    | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                        | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus       | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

Approved for use by TJ prior to use.

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-06-03 15:30 |
| 2014-06-03 14:55      | 18.6               | AB        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-06-03  
 Collected By: Chuck Wilkinson  
 Name of Facility: Washago Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | SMDHU          |
| Regulation            | N/A            |
| Total # of pages sent | 1              |
| # of samples sent     | 6              |
| # of samples received | 6              |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; leigh.trethewey@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

**Conditions/Comments**

| Time Sampled        | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              | Laboratory Number | Total Coliform              |     | E. coli    |     | Background |     | HPC        |     |
|---------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-------------------|-----------------------------|-----|------------|-----|------------|-----|------------|-----|
|                     |                   |                                   |            |                         | J.V.                  | Other | Total Cl <sub>2</sub> (mg/L) |                   | Free Cl <sub>2</sub> (mg/L) | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< |
| <b>Bridge 57</b>    |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 01:40               |                   | 1641 Peninsula Pt. Rd.            | D          |                         |                       |       |                              | 009302            | 0                           | 0   | 0          |     |            |     |            |     |
| <b>Washago Shop</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 02:30               |                   | 3321 Bond St.                     | D          |                         |                       |       |                              | 009306            | 0                           | 0   | 0          |     |            |     |            |     |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.  
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 Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.  
 COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.  
 For collection and handling procedures visit www.coalab.ca/watersamples.html  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC  
 Raw = R  
 Distribution = D  
 Point of Entry = E

Analysis Date & Time: 2014-06-04 14:00 Enumerated By: GD Audited By: AK Methodology: M/F CFU/100ml  
 Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: HM Authorized & Rechecked By: TJ/JT Copy Released By: AB, AV, CAB  
 Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

|                            |           |                 |                             |                          |      |                                  |                |
|----------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)   | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated) | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                    | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                        | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus       | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

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[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-07-04 11:00 |
| 2014-07-04 09:10      | 7.8                | AB        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-07-03  
Collected By: Chuck Wilkinson  
Name of Facility: Washago Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | SMDHU          |
| Regulation            | 318/08         |
| Total # of pages sent | 2              |
| # of samples sent     | 6              |
| # of samples received | 6              |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
Email Address: [chuck.wilkinson@pc.gc.ca](mailto:chuck.wilkinson@pc.gc.ca); [leigh.trethewey@pc.gc.ca](mailto:leigh.trethewey@pc.gc.ca); [nicole.hamilton@pc.gc.ca](mailto:nicole.hamilton@pc.gc.ca)  
"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Ellie Wright

**Conditions/Comments**

| Time Sampled   | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|----------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Lock 42</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:20          |                   | 2597 Bonsor Rd.                   | D          |                         |                       |       |                              |                             | 011827            | 0              |            | 0       |            | 0          |            |     |          |
| <b>Lock 43</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 12:05          |                   | 19 SR 409 Unit 1                  | D          |                         |                       |       |                              |                             | 011828            | 0              |            | 0       |            | 0          |            |     |          |
| <b>Lock 44</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 02:10          |                   | 7001 Upper Big Chute Rd.          | D          |                         |                       |       |                              |                             | 011829            | 0              |            | 0       | >          | 200        |            |     |          |
| <b>Lock 45</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 03:20          |                   | 175 Port Severn Rd. N.            | D          |                         |                       |       |                              |                             | 011830            | 0              |            | 0       |            | 0          |            |     |          |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

N/R = Not Received

F.S. and HPC require 48 hours of incubation

Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2014-07-05 10:00 Enumerated By: LC Audited By: AV Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: AC

Authorized & Rechecked By: TJ/JT

Copy Released By: AV/LC/HM/AB

Lab No. 011829 Submitting Agency @ courtesy notice Health Unit @ Spills Action Centre (SAC) @ AWQI # By: LC Date: 2014-07-05

### Test Methodology and Detection Limit

|                            |           |                 |                             |                          |      |                                  |                |
|----------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)   | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated) | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                    | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                        | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus       | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

Approved for use by TJ prior to use.



# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



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 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
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## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-07-04 11:00 |
| 2014-07-04 09:10      | 7.8                | AB        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-07-03  
 Collected By: Chuck Wilkinson  
 Name of Facility: Washago Sector  
**Drinking Water System (DWS) #** Please See Below

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | SMDHU          |
| Regulation            | N/A            |
| Total # of pages sent | 2              |
| # of samples sent     | 6              |
| # of samples received | 6              |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: \_\_\_\_\_ Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; leigh.trethewey@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Ellie Wright

**Conditions/Comments**

| Time Sampled        | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              | Laboratory Number | Total Coliform              |     | E. coli    |     | Background |     | HPC        |     |
|---------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-------------------|-----------------------------|-----|------------|-----|------------|-----|------------|-----|
|                     |                   |                                   |            |                         | UV                    | Other | Total Cl <sub>2</sub> (mg/L) |                   | Free Cl <sub>2</sub> (mg/L) | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< |
| <b>Bridge 57</b>    |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 11:00               |                   | 1641 Peninsula Pt. Rd.            | D          |                         |                       |       |                              | 011831            | 0                           | 0   | 4          |     |            |     |            |     |
| <b>Washago Shop</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 09:50               |                   | 3321 Bond St.                     | D          |                         |                       |       |                              | 011832            | 0                           | 0   | 0          |     |            |     |            |     |

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 Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.  
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 For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2014-07-05 10:00 Enumerated By: LC Audited By: AV Methodology: M/F CFU/100ml  
 Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: HM/AB/AV  
 Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

| Test Methodology and Detection Limit | COAL      | Detection Limit | Reportable Limit:        | 1    | Performed by                     | M/F CFU/100 ml |
|--------------------------------------|-----------|-----------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)             | COAL Endo | 0 - 80          | 1                        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated)           | COAL DC   | 0 - 80          | 1                        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                              | COAL DC   | 0 - 60          | 1                        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL Endo | 0 - 200         | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL DC   | 0 - 200         | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                                  | COAL HPC  | Detection Limit | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus                 | COAL FS   | 0 - 80          | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

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 www.coalab.ca

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-07-16 16:00 |
| 2014-07-16 14:51      | 16.9               | MH        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-07-16  
 Collected By: K. Marshall  
 Name of Facility: Washago Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |        |
|-----------------------|--------|
| Twp/Town              |        |
| Systems Health Unit   | SMDHU  |
| Regulation            | 318/08 |
| Total # of pages sent | 2      |
| # of samples sent     | 6      |
| # of samples received | 6      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: K. Marshall

**Conditions/Comments**

| Time Sampled   | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|----------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Lock 42</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:25          |                   | 2597 Bonsor Rd.                   | D          |                         |                       |       |                              |                             | 013030            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Lock 43</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:40          |                   | 19 SR 409 Unit 1                  | D          |                         |                       |       |                              |                             | 013031            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Lock 44</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 12:35          |                   | 7001 Upper Big Chute Rd.          | D          |                         |                       |       |                              |                             | 013032            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Lock 45</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 01:40          |                   | 175 Port Severn Rd. N.            | D          |                         |                       |       |                              |                             | 013033            | 0              | 0          | 0       |            |            |            |     |          |

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F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

N/R = Not Received

F.S. and HPC require 48 hours of incubation

Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2014-07-17 14:30 Enumerated By: LC Audited By: AK Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: LJ/AB

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

**Test Methodology and Detection Limit**

|                            |           |                 |                             |                          |      |                                  |                |
|----------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)   | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated) | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                    | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                        | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus       | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

Approved for use by TJ prior to use.

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



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 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-07-16 16:00 |
| 2014-07-16 14:51      | 16.9               | MH        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-07-16  
 Collected By: K. Marshall  
 Name of Facility: Washago Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | SMDHU          |
| Regulation            | N/A            |
| Total # of pages sent | 2              |
| # of samples sent     | 6              |
| # of samples received | 6              |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: K. Marshall

**Conditions/Comments**

| Time Sampled        | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              | Laboratory Number | Total Coliform              |     | E. coli    |     | Background |     | HPC        |     |
|---------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-------------------|-----------------------------|-----|------------|-----|------------|-----|------------|-----|
|                     |                   |                                   |            |                         | J.V.                  | Other | Total Cl <sub>2</sub> (mg/L) |                   | Free Cl <sub>2</sub> (mg/L) | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< |
| <b>Bridge 57</b>    |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 08:45               |                   | 1641 Peninsula Pt. Rd.            | D          |                         |                       |       |                              | 013028            | 0                           | 0   | 0          |     |            |     |            |     |
| <b>Washago Shop</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 07:45               |                   | 3321 Bond St.                     | D          |                         |                       |       |                              | 013029            | 0                           | 0   | 0          |     |            |     |            |     |

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 For collection and handling procedures visit www.coalab.ca/watersamples.html  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC  
 Raw = R  
 Distribution = D  
 Point of Entry = E

Analysis Date & Time: 2014-07-17 14:30 Enumerated By: LC Audited By: AK Methodology: M/F CFU/100ml  
 Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: AB/LJ/CAB/HM  
 Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

| Test Methodology and Detection Limit | COAL      | Detection Limit             | Reportable Limit:        | 1    | Performed by                     | M/F CFU/100 ml |
|--------------------------------------|-----------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)             | COAL Endo | 0 - 80                      | 1                        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated)           | COAL DC   | 0 - 80                      | 1                        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                              | COAL DC   | 0 - 60                      | 1                        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL Endo | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL DC   | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                                  | COAL HPC  | Detection Limit             | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus                 | COAL FS   | 10 - 2.00 x 10 <sup>3</sup> | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-07-31 14:00 |
| 2014-07-31 12:53      | 19.8               | MH        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-07-31  
 Collected By: Chuck Wilkinson  
 Name of Facility: Washago Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |        |
|-----------------------|--------|
| Twp/Town              |        |
| Systems Health Unit   | SMDHU  |
| Regulation            | 318/08 |
| Total # of pages sent | 2      |
| # of samples sent     | 4      |
| # of samples received | 4      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

**Conditions/Comments**

| Time Sampled   | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|----------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Lock 42</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:45          |                   | 2597 Bonsor Rd.                   | D          |                         |                       |       |                              |                             | 014213            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Lock 43</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:15          |                   | 19 SR 409 Unit 1                  | D          |                         |                       |       |                              |                             | 014214            | 0              | 0          | 0       |            |            |            |     |          |
|                |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |

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 For collection and handling procedures visit www.coalab.ca/watersamples.html  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter NR = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2014-08-01 12:30 Enumerated By: LC Audited By: AD Methodology: M/F CFU/100ml  
 Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: HM/AD/LC  
 Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

| Test Methodology and Detection Limit | Detection Limit             | Reportable Limit: | Methodology                                     |
|--------------------------------------|-----------------------------|-------------------|---|
| Total Coliform (Treated) COAL Endo   | 0 - 80                      | 1                 | Performed by Membrane Filtration M/F CFU/100 ml |
| Total Coliform (Untreated) COAL DC   | 0 - 80                      | 1                 | Performed by Membrane Filtration M/F CFU/100 ml |
| E. coli COAL DC                      | 0 - 60                      | 1                 | Performed by Membrane Filtration M/F CFU/100 ml |
| Background COAL Endo                 | 0 - 200                     | >200              | Indicates Deterioration: M/F CFU/100 ml         |
| Background COAL DC                   | 0 - 200                     | >200              | Indicates Deterioration: M/F CFU/100 ml         |
| HPC COAL HPC                         | 10 - 2,00 x 10 <sup>3</sup> | >500              | Indicates Deterioration: SP CFU/1 ml            |
| Faecal Streptococcus COAL FS         | 0 - 80                      | 1                 | Performed by Membrane Filtration M/F CFU/100 ml |

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



4260 Burnside Line, R.R. #4  
Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-07-31 14:00 |
| 2014-07-31 12:53      | 19.8               | MH        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-07-31  
Collected By: Chuck Wilkinson  
Name of Facility: Washago Sector  
Drinking Water System (DWS) #: Please See Below

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | SMDHU          |
| Regulation            | N/A            |
| Total # of pages sent | 2              |
| # of samples sent     | 4              |
| # of samples received | 4              |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
Telephone: 705 438-3153 Ext: \_\_\_\_\_ Fax: 705-438-5201 + Scan & Email  
Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

Conditions/Comments

| Time Sampled        | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|---------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                     |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Bridge 57</b>    |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:20               |                   | 1641 Peninsula Pt. Rd.            | D          |                         |                       |       |                              |                             | 014215            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Washago Shop</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:55               |                   | 3321 Bond St.                     | D          |                         |                       |       |                              |                             | 014216            | 0              | 0          | 0       |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |

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F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter NR = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2014-08-01 12:30 Enumerated By: LC Audited By: AD Methodology: M/F CFU/100ml  
Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: HM/AD/LC  
Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

|                                      |           |                 |                             |                          |      |                                  |                |
|--------------------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Test Methodology and Detection Limit |           |                 |                             |                          |      |                                  |                |
| Total Coliform (Treated)             | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated)           | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



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 www.coalab.ca

**Final Certificate of Microbiological Analysis of Drinking Water**

|   |                               |                 |  |
|---|-------------------------------|-----------------|--|
| Date & Time Received:<br>2014-08-14 14:04 | Temp. Rec'd.<br>(°C):<br>20.5 | Receiver:<br>MH | Date & Time Incubated:<br>2014-08-14 14:30 |
|   |                               |                 | HPC & FS Date & Time<br>Incubated:         |

Date  
 Sampled: 2014-08-14

Collected By: K. Marshall

Name of Facility  
 Washago Sector

Drinking Water System (DWS) #  
**Please See Below**

|                       |        |
|-----------------------|--------|
| Twp/Town              |        |
| Systems Health Unit   | SMDHU  |
| Regulation            | 318/08 |
| Total # of pages sent | 2      |
| # of samples sent     | 5      |
| # of samples received | 5      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: K. Marshall

|                            |
|----------------------------|
| <b>Conditions/Comments</b> |
|----------------------------|

| Time Sampled   | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |  |
|----------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|--|
|                |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |  |
| <b>Lock 42</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |  |
| 08:50          |                   | 2597 Bonsor Rd.                   | D          |                         |                       |       |                              |                             | 015327            | 0              | 0          | 0       |            |            |            |     |          |  |
| <b>Lock 43</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |  |
| 10:20          |                   | 19 SR 409 Unit 1                  | D          |                         |                       |       |                              |                             | 015328            | 0              | 0          | 0       |            |            |            |     |          |  |
| <b>Lock 44</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |  |
| 12:25          |                   | 7001 Upper Big Chute Rd.          | D          |                         |                       |       |                              |                             | 015329            | 0              | 0          | 0       |            |            |            |     |          |  |
| <b>Lock 45</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |  |
| 01:10          |                   | 175 Port Severn Rd. N.            | D          |                         |                       |       |                              |                             | 015330            | 0              | 0          | 0       |            |            |            |     |          |  |

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F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

NR = Not Received

F.S. and HPC require 48 hours of incubation

Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2014-08-15 13:00 Enumerated By: LC Audited By: AV Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: AB

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

Test Methodology and Detection Limit

|                            |           |                 |                             |                          |      |                                  |                |
|----------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)   | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated) | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                    | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                        | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus       | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

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[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Microbiological Analysis of Drinking Water

|   |                               |                 |  |
|---|-------------------------------|-----------------|--|
| Date & Time Received:<br>2014-08-14 14:04 | Temp. Rec'd.<br>(°C):<br>20.5 | Receiver:<br>MH | Date & Time Incubated:<br>2014-08-14 14:30 |
|   |                               |                 | HPC & FS Date & Time<br>Incubated:         |

Date Sampled: 2014-08-14  
 Collected By: K. Marshall  
 Name of Facility: Washago Sector  
 Drinking Water System (DWS) #: Please See Below

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | SMDHU          |
| Regulation            | N/A            |
| Total # of pages sent | 2              |
| # of samples sent     | 5              |
| # of samples received | 5              |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: \_\_\_\_\_ Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: K. Marshall

**Conditions/Comments**

| Time Sampled     | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                  |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Bridge 57</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:10            |                   | 1641 Peninsula Pt. Rd.            | D          |                         |                       |       |                              |                             | 015331            |                | 0          |         | 0          |            | 0          |     |          |
|                  |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                  |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                  |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                  |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                  |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                  |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                  |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                  |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |

**All samples will be considered DISTRIBUTION samples unless otherwise indicated.**  
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 Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.  
 COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.  
 For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter NR = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC  
 Raw = R  
 Distribution = D  
 Point of Entry = E

Analysis Date & Time: 2014-08-15 13:00 Enumerated By: LC Audited By: AV Methodology: M/F CFU/100ml  
 Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: AB  
 Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

| Test Methodology and Detection Limit | Detection Limit             | Reportable Limit:        | 1    | Performed by                     | M/F CFU/100 ml |
|--------------------------------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated) COAL Endo   | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated) COAL DC   | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli COAL DC                      | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background COAL Endo                 | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background COAL DC                   | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC COAL HPC                         | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus COAL FS         | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

08/29/2014 14:28 FAX 7053268208

adverse fax

0007/0008

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.

4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 8H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 WWW.COAL.LAB.CA

## Chain of Custody

## Primary Report of Microbiological Analysis of Drinking Water Only

|                          |                   |                                |                      |
|--------------------------|-------------------|--------------------------------|----------------------|
| FOR LAB USE ONLY         |                   | Date/Time/Temp. (°C) Received: | Infect. of Receiver: |
| RECEIVED 15:42 AM        |                   | SEP 02 2014                    | 23.0°C               |
| Date & Time Incollected: | SEP 02 2014 17:30 | HPC & FS                       |                      |



Date: 2014 09 02  
 Sample #: 2014091102

Collected By: Aaron Watson  
 (Please Print)

Signature: *Aaron Watson*

Name of Facility:

Drinking Water System (DWS) #

(As Assigned by MOE/MOHLTG)

Submitted By: Aaron Watson  
 (Please Print)

Signature: *Aaron Watson*

Comments/Conditions:

Report To: Treat - Seven Wokran  
 Address: 2023 Kirkfield Rd Kirkfield Ont  
 Telephone: 705-438-3153 Ext: 705-438-5201  
 Email Address: chuckwillkinson@pe.sc.ca  
 ("Use Person" After Hours Contact Name and Tel No: Chuck Wilkinson 705 887-8390)

| Time Sampled (Include AM/PM with 24-hour clock or 24-hour) | Sampling Location (Describe the location AND indicate an appropriate level of abstraction, (D) Distribution, (C) Consumer (FD) Flow - Before Treatment & Not Consumed (RSTW) (See Notes) - Consumed without treatment | Required Calculation (As per SYQA 2002 - Please check one) | Temp. of Sample (Indicate "F" or "C") | Treatment Information - Indicator Type/Chlorine Level |               |      | Additional Parameter Checked if Required | Laboratory Number | Tolerable Criteria |            |            |            |            |
|--|---|--|---------------------------------------|---|---------------|------|--|-------------------|--------------------|------------|------------|------------|------------|
|  |   |  |                                       | Operator/Field  | Chlorine Type | mg/L |  |                   | mg/L               | CFU/100 ml | CFU/100 ml | CFU/100 ml | CFU/100 ml |
| 14:05  | Lock 43 (RSTW) Unit 1   | 170/03   |                                       |   |               |      |  | 0                 | 0                  | 0          | 0          | 0          | 0          |

AWQI Number Indicates Adverse Water Quality Incident Number  
**Adverse Water Quality**  
 Reg. 318/08; 319/08  
**Resamples Only**

**Most Recent Adverse Sample Date:**  
**Most Recent Adverse Sample Location:**  
**Most Recent Analyzing Laboratory:**  
**Most Recent Adverse Lab Number:**

Analysis Date & Time: **SEP 03 2014 16:00**  
 Estimated By: *[Signature]*  
 Analyzed By: *[Signature]*  
 Methodology (COAL HPC): SP CFU/ml; Methodology (COAL FS): MF CFU/100ml

Reported to Submitting Agency:  H.U.  SAC  AWQI  By: *[Signature]* Date: \_\_\_\_\_  
 Authorized By: \_\_\_\_\_  
 Email/Text Customer: \_\_\_\_\_  
 Email: \_\_\_\_\_  
 HU: \_\_\_\_\_  
 MOUNDOKE/TC  
 Invoiced: **BY *[Signature]***  
**SEP 03 2014**  
**09-03-2014**  
**BY *[Signature]***  
**09-03-2014**



**CENTRO ONTARIO ANALYTICAL LABORATORY INC.**

4260 Burnside Line, R.R. #4  
 Orlia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

**Chain of Custody** Primary Report of Microbiological Analysis of Drinking Water Only

Time/Temp (°C) Received: \_\_\_\_\_ Initials of Receiver: \_\_\_\_\_

DATE & TIME INCUBATED: **SEP 03 2014 16:30**

HPC & FS DATE & TIME INCUBATED: \_\_\_\_\_

FOR LAB USE ONLY  
**RECEIVED** 16:15  
 SEP 03 2014 23:20

Date: 2014 09 03

Collected By: Ashley Watson

Name of Facility: \_\_\_\_\_

Drinking Water System (DWS) # (As Assigned By MOE/MOHLTC): \_\_\_\_\_

Submitted By (Please Print): Ashley Watson

Signature: \_\_\_\_\_

Systems Health Unit: \_\_\_\_\_  
 Total # of pages sent: \_\_\_\_\_  
 # of samples sent this page: \_\_\_\_\_  
 # of samples rec'd this page: \_\_\_\_\_

Report To: Trent Green Waterway Westgate South Hill, Cobourg

Address: 2023 Kirkfield Road Kirkfield, Ontario

Telephone: 705 435 3157 Ext: \_\_\_\_\_ Fax: 705 435 3261

Email Address: ashley.watson@prologis.com

"Live Person" After Hours Contact Name and Tel No: Michelle Watson 705 887 8346

Comments/Conditions: \_\_\_\_\_

| Time Sampled (Indicate AM/PM with 12 hour clock or use 24-hour clock) | Sample Identifier | Sampling Location (Describe the location AND indicate an appropriate letter classification: (D) Distribution - Consumed (R) Raw - Before Treatment & Not Consumed (E) Point of Entry - Consumed (RW) Raw Water - Consumed without Treatment | Requires Notification as per SDWA 2002 (Please check one) | Temp of Sample (Indicate °F or °C) | Treatment Information - Indicate Type/Chlorine Levels | Operational/Field Chlorine mg/L | Free Chlorine mg/L | Additional Parameter Check if Required | Laboratory Number | Total Coliform CFU/100 ml | E. coli CFU/100 ml | Background CFU/100 ml | HPC CFU/ml | Faecal Strap CFU/100 ml |
|---|-------------------|---|---|------------------------------------|---|---------------------------------|--------------------|--|-------------------|---------------------------|--------------------|-----------------------|------------|-------------------------|
| 10:30   | 102K/12/2014 L43  |   | 170/03  |                                    | Other   |                                 |                    |  |                   |                           |                    |                       |            |                         |
|   |                   |   | 318/08  |                                    |   |                                 |                    |  |                   |                           |                    |                       |            |                         |
|   |                   |   | 319/08  |                                    |   |                                 |                    |  |                   |                           |                    |                       |            |                         |
|   |                   |   | N/A   |                                    |   |                                 |                    |  |                   |                           |                    |                       |            |                         |

Most Recent AWQI Number: \_\_\_\_\_

Most Recent Adverse Sample Date: \_\_\_\_\_

Most Recent Adverse Sample Location: \_\_\_\_\_

Most Recent Analyzing Laboratory: \_\_\_\_\_

Most Recent Adverse Lab Number: \_\_\_\_\_

AWQI Number indicates Adverse Water Quality Incident Number

**Adverse Water Quality**  
 Reg. 318/08; 319/08  
**Resamples Only**

**All samples will be considered DISTRIBUTION samples unless otherwise indicated. Sampling Precautions:** Transport water samples under refrigeration to laboratory. The samples require analysis ideally within 30 hours and must be analyzed within 48 hours of collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html. Separate bottle required for additional parameters. FS & Faecal Strap = Faecal Streptococcus HPC = Heterotrophic Plate Count. HPM = Heavy Particulate Matter. N/R = Not Received. FS and HPC require 48 hours of incubation.

**FOR LABORATORY USE ONLY / LABORATORY COMMENTS**

Analysis Date & Time: SEP 04 2014 15:00

Enumerated By: [Signature] Audited By: [Signature]

Methodology (COAL Endo. COAL DC): M/F CFU/100ml

Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_

Methodology (COAL HPC): SP CFU/1ml; Methodology (COAL FS): M/F CFU/100ml

Lab No: \_\_\_\_\_ Reported to Submitting Agency @ \_\_\_\_\_ H.U. @ \_\_\_\_\_ SAC @ \_\_\_\_\_ AWQI# \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

Transcribed By: \_\_\_\_\_ Transcription Verified By: \_\_\_\_\_ Report Authorized By: \_\_\_\_\_ Email/Mail Customer: \_\_\_\_\_ H.U.: \_\_\_\_\_ MCE/MOHLTC Upload: \_\_\_\_\_ Invoiced: \_\_\_\_\_

Form cannot be altered without approval of COAL. The State Drinking Water Act (SDWA 2002). Reg 170/03 and O. Reg 318/08 (please see www.ontario.ca for more information) requires that notification of exceedances must be reported to MCE/MOHLTC/Waterworks for O. Reg 170/03 and to MCE/MOHLTC/Waterworks for O. Reg 318/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse case report. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies: 705-323-2828 (Surcharge for after hours samples).

Approved for use by T.J. prior to use

Primary Report 318/319 Resample PITA 105, 1206, Revision 1.3  
 Page 1 of 1

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-09-10 15:00 |
| 2014-09-10 14:05      | 22.4               | LJ        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-09-10  
 Collected By: Chuck Wilkinson  
 Name of Facility: Washago Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |        |
|-----------------------|--------|
| Twp/Town              |        |
| Systems Health Unit   | SMDHU  |
| Regulation            | 318/08 |
| Total # of pages sent | 3      |
| # of samples sent     | 7      |
| # of samples received | 7      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

|                            |
|----------------------------|
| <b>Conditions/Comments</b> |
|----------------------------|

| Time Sampled   | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|----------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Lock 42</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 01:00          |                   | 2597 Bonsor Rd.                   | D          |                         |                       |       |                              |                             | 017533            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Lock 43</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:40          |                   | 19 SR 409 Unit 1                  | D          |                         |                       |       |                              |                             | 017534            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Lock 44</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:05          |                   | 7001 Upper Big Chute Rd.          | D          |                         |                       |       |                              |                             | 017535            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Lock 45</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:40          |                   | 175 Port Severn Rd. N.            | D          |                         |                       |       |                              |                             | 017536            | 0              | 0          | 0       |            |            |            |     |          |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

NR = Not Received

F.S. and HPC require 48 hours of incubation

Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2014-09-11 14:00 Enumerated By: GD Audited By: LJ Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: CAB

Authorized & Rechecked By: TJ/JT

Copy Released By: LJ/AB/CAB/HM

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

### Test Methodology and Detection Limit

|                            |           |                 |                             |                          |      |                                  |                |
|----------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)   | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated) | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                    | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                        | COAL HPC  | Detection Limit | 10 - 2,00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus       | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-09-10 15:00 |
| 2014-09-10 14:05      | 22.4               | LJ        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-09-10  
 Collected By: Chuck Wilkinson  
 Name of Facility: Washago Sector  
 Drinking Water System (DWS) #: Please See Below

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | SMDHU          |
| Regulation            | N/A            |
| Total # of pages sent | 3              |
| # of samples sent     | 7              |
| # of samples received | 7              |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: \_\_\_\_\_ Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

Conditions/Comments

| Time Sampled        | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|---------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                     |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Bridge 57</b>    |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 12:40               |                   | 1641 Peninsula Pt. Rd.            | D          |                         |                       |       |                              |                             | 017537            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Washago Shop</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 01:45               |                   | 3321 Bond St.                     | D          |                         |                       |       |                              |                             | 017538            | 0              | 0          | 0       |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.  
 All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).  
 Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.  
 COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.  
 For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2014-09-11 14:00 Enumerated By: GD Audited By: LJ Methodology: M/F CFU/100ml  
 Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: CAB Authorized & Rechecked By: TJ/JT Copy Released By: LJ/AB/CAB/HM  
 Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

| Test Methodology and Detection Limit | COAL | Endo | Detection Limit | Reportable Limit:           | 1    | Performed by                     | M/F CFU/100 ml |
|--------------------------------------|------|------|-----------------|-----------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)             | COAL | Endo | Detection Limit | 0 - 80                      | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated)           | COAL | DC   | Detection Limit | 0 - 80                      | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                              | COAL | DC   | Detection Limit | 0 - 60                      | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL | Endo | Detection Limit | 0 - 200                     | >200 | Indicates Deterioration:         | M/F CFU/100 ml |
| Background                           | COAL | DC   | Detection Limit | 0 - 200                     | >200 | Indicates Deterioration:         | M/F CFU/100 ml |
| HPC                                  | COAL | HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | >500 | Indicates Deterioration:         | SP CFU/1 ml    |
| Faecal Streptococcus                 | COAL | FS   | Detection Limit | 0 - 80                      | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



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 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-08-13 13:00 |
| 2014-08-13 11:55      | 21.4               | LJ        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-08-13  
 Collected By: S. Schweitzer  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |         |
|-----------------------|---------|
| Twp/Town              |         |
| Systems Health Unit   | HKPRDHU |
| Regulation            | 319/08  |
| Total # of pages sent | 2       |
| # of samples sent     | 3       |
| # of samples received | 3       |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: S. Schweitzer

**Conditions/Comments**

| Time Sampled                        | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|-------------------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                                     |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Kirkfield Lock 36 #835J66E39</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:15                               |                   | 2023 Kirkfield Rd.                | D          |                         |                       |       |                              |                             | 015197            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bolsover Lock 37 #835J66E21</b>  |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:56                               |                   | 92 Talbot Dr.                     | D          |                         |                       |       |                              |                             | 015198            | 0              | 0          | 0       |            |            |            |     |          |

**All samples will be considered DISTRIBUTION samples unless otherwise indicated.**  
**All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).**  
 Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.  
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 For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2014-08-14 12:00 Enumerated By: LC Audited By: LJ Methodology: M/F CFU/100ml  
 Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: LJ/AB  
 Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

| Test Methodology and Detection Limit |           |                 |                             |
|--------------------------------------|-----------|-----------------|-----------------------------|
| Total Coliform (Treated)             | COAL Endo | Detection Limit | 0 - 80                      |
| Total Coliform (Untreated)           | COAL DC   | Detection Limit | 0 - 80                      |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      |

|                          |      |                                  |                |
|--------------------------|------|----------------------------------|----------------|
| Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
[www.coalab.ca](http://www.coalab.ca)

**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-08-13 13:00 |
| 2014-08-13 11:55      | 21.4               | LJ        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-08-13  
 Collected By: S. Schweitzer  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | N/A            |
| Total # of pages sent | 2              |
| # of samples sent     | 3              |
| # of samples received | 3              |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: S. Schweitzer

| Conditions/Comments |
|---------------------|
|                     |

| Time Sampled          | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|-----------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                       |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Kirkfield Shop</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:08                 |                   | 46 Talbot St.                     | D          |                         |                       |       |                              |                             | 015199            | 0              |            | 0       |            | 0          |            |     |          |

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 Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.  
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 For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2014-08-14 12:00 Enumerated By: LC Audited By: LJ Methodology: M/F CFU/100ml  
 Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: LJ/AB  
 Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

| Test Methodology and Detection Limit |           |                 |                             |                                  |                |
|--------------------------------------|-----------|-----------------|-----------------------------|----------------------------------|----------------|
| Total Coliform (Treated)             | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:                | 1              |
| Total Coliform (Untreated)           | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:                | 1              |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:                | 1              |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration:         | >200           |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration:         | >200           |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration:         | >500           |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:                | 1              |
|                                      |           |                 |                             | Performed by Membrane Filtration | M/F CFU/100 ml |
|                                      |           |                 |                             | Performed by Membrane Filtration | M/F CFU/100 ml |
|                                      |           |                 |                             | Performed by Membrane Filtration | M/F CFU/100 ml |
|                                      |           |                 |                             | Performed by Membrane Filtration | M/F CFU/100 ml |
|                                      |           |                 |                             | Performed by Membrane Filtration | M/F CFU/100 ml |
|                                      |           |                 |                             | Performed by Spread Plate        | SP CFU/1 ml    |
|                                      |           |                 |                             | Performed by Membrane Filtration | M/F CFU/100 ml |

Date/Time/Temp. (°C) Received: Initials of Receiver: Date & Time Incubated: HPC & FS Date & Time Incubated:

RECEIVED JUL 15 2014 12:25 9 16.7

JUL 15 2014 1400

Township/Town: 0

Systems Health Unit: RMDHD

Total # of pages sent: 4

# of samples sent this page: 4

# of samples void this page: 4

Date Sampled: 2014 07 15

Collected By: (Please Print) Elie Wright

Signature: *Elie Wright*

Name of Facility: Kirkfield Sector

Drinking Water System (DWS) # Please See Below

(As Assigned By MOE/MOHLTC)

Submitted By: *Elie Wright*

Signature: *Elie Wright*

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson

Address: 2023 Kirkfield Road Kirkfield, ON, K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

| Time Sampled (Indicate AM/PM with 12-hour clock or use 24-hour clock) | Sampling Location (Describe the location AND indicate an appropriate letter classification. (D) Distribution - Consumed (R) Raw - Before Treatment & Not Consumed (E) Point of Entry - Consumed (RW/C) Raw Water - Consumed without Treatment | Requires Notification as per SDWA 2002: (Please check one) | Temp. of Sample (Indicate °F or °C) | Treatment Information - Indicate Type/Chlorine Levels |           | Additional Parameter Check if Required | Laboratory Number | Total Coliform CFU/100 ml | E. coli CFU/100 ml | Background CFU/100 ml | HPC CFU/1 ml | Faecal Strept. CFU/100 ml |
|---|---|--|-------------------------------------|---|-----------|--|-------------------|---------------------------|--------------------|-----------------------|--------------|---------------------------|
|   |   |  |                                     | Chlorine mg/L   | Free mg/L |  |                   |                           |                    |                       |              |                           |
| 10:32   | Talbot Lock 38<br>1419 Canal Rd. (D)  | 170/03   | 319/08                              | UV  |           |  | 012669            | 0                         | 0                  | 0                     |              |                           |
| 11:40   | Portage Lock 39<br>33245 Durham Rd. (D)   | 319/08   | 319/08                              |   |           |  | 012670            | 0                         | 0                  | 0                     |              |                           |
| 11:43   | Thorah Lock 40<br>33245 Durham Rd. (D)  | 319/08   | 319/08                              |   |           |  | 012671            | 0                         | 0                  | 0                     |              |                           |
| 11:43   | Gamebridge Lock 41<br>33235 Durham Rd. (D)  | 319/08   | 319/08                              |   |           |  | 012672            | 0                         | 0                  | 0                     |              |                           |

**All samples will be considered DISTRIBUTION samples unless otherwise indicated. Sampling Precautions:** Transport water samples under refrigeration to laboratory. The samples require analysis ideally within 30 hours and must be analyzed within 48 hours of collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html. Separate bottle required for additional parameters. FS & Faecal Strept. = Faecal Streptococcus HPC Heterotrophic Plate Count, HPM - Heavy Particulate Matter. N/R = Not Received. FS and HPC require 48 hours of incubation.

FOR LABORATORY USE ONLY / LABORATORY COMMENTS

Analysis Date & Time: JUL 16 2014 1300 Enumerated By: *AK* Audited By: *H* Methodology (COAL Endo - COAL DO): M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: H.U. @ SAC @ AWQ# BY Methodology (COAL HPC): SP CFU/1ml; Methodology (COAL FS): M/F CFU/100ml

Lab No: Reported to Submitting Agency @ H.U. @ SAC @ AWQ# By: Date: Invoiced: MOE/MOHLTC Upload:

Transcribed By: Transcription Verified By: Report Authorized By: Email/Mail Customer: H.U.: MOE/MOHLTC Upload:

Pre-Fax Check By: *9*

SCANNED & EMAILED FAXED

JUL 16 2014

Page 1 of 3

FOR LAB USE

Date/Time/Temp. (°C) Received: Initials of Receiver: **JUL 15 2014 1400**

RECEIVED 12:25 16.7

**JUL 15 2014**

HPC & FS Date & Time Incubated:

4260 Burnside Line, R.R. #4  
Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
www.coalab.ca

Systems Health Unit  
Total # of pages sent: \_\_\_\_\_  
# of samples sent this page: \_\_\_\_\_  
# of samples rcvd this page: **4**

Township/Town: **HKPRDHU**

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: **2023 Kirkfield Road Kirkfield, ON, K0M 2B0**

Telephone: **705 438-3153** Ext: \_\_\_\_\_

Fax: **705-438-5201 + Scan & Email**

Email Address: **chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca**

"Live Person" After Hours Contact Name and Tel. No: **Chuck Wilkinson 705-887-8390**

Signature: \_\_\_\_\_

Name of Facility: **Kirkfield Sector**

Drinking Water System (DWS) # \_\_\_\_\_

(As Assigned By MOE/MOHLTC) **Please See Below**

Submitted By: \_\_\_\_\_

(Please Print)

Signature: \_\_\_\_\_

| Time Sampled | Sample Identifier | Sampling Location                                      | Requires Notification as per SDWA 2002: (Please check one) | Temp. of Sample (Indicate °F or °C) | Treatment Information - Indicate Type/Chlorine Levels |  | Laboratory Number | Total Coliform CFU/100 ml | E. coli CFU/100 ml | Background CFU/100 ml | HPC CFU/1 ml | Faecal Strep. CFU/100 ml |
|--------------|-------------------|--|--|-------------------------------------|---|--|-------------------|---------------------------|--------------------|-----------------------|--------------|--------------------------|
|              |                   |  |  |                                     | Operational/Field Chlorine                            | Additional Parameter Check if Required |                   |                           |                    |                       |              |                          |
| 8:49         |                   | Rosedale Lock 35 #835J66E47<br>161 Trent Canal Rd. (D) | 170/03   | N/A                                 | Free mg/L   | 0                                      | 012673            | 0                         | 0                  | 0                     |              |                          |
| 9:15         |                   | Kirkfield Lock 36 #835J66E39<br>2023 Kirkfield Rd. (D) | 318/08   | ▼                                   | Total mg/L  | 0                                      | 012674            | 0                         | 0                  | 2                     |              |                          |
| 10:17        |                   | Bolsover Lock 37 #835J66E21<br>92 Talbot Dr. (D)       | 319/08   | ▼                                   | UV  |  | 012675            | 0                         | 0                  | 0                     |              |                          |
| 9:50         |                   | Bolsover Bridge 43 (Reg. N/A)<br>138 Bolsover Rd. (D)  | 170/03   | ▼                                   |   |  | 012676            | 0                         | 0                  | 0                     |              |                          |

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FOR LABORATORY USE ONLY / LABORATORY COMMENTS

Analysis Date & Time: **JUL 16 2014 1300** Enumerated By: **AK** Audited By: \_\_\_\_\_

Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_

Lab No: \_\_\_\_\_ Reported to Submitting Agency @ \_\_\_\_\_ SAC @ \_\_\_\_\_ AWQI# \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

Transcribed By: \_\_\_\_\_ Transcription Verified By: \_\_\_\_\_ Report Authorized By: \_\_\_\_\_

MOE/MOHLTC Upload: \_\_\_\_\_ Invoiced: \_\_\_\_\_

Pre-Fax Check-By: \_\_\_\_\_

**SCANNED & EMAILED**

**FA X E D**

**JUL 16 2014**

Page 2 of 3

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**

4260 Burnside Line, R.R. #4  
Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
www.coalab.ca

Date Sampled: 2014 07 15  
Collected By: (Please Print)  
Signature: \_\_\_\_\_  
Name of Facility: Kirkfield Sector  
Drinking Water System (DWS) # \_\_\_\_\_  
(As Assigned By MOE/MOHLTC) Please See Below  
Submitted By: \_\_\_\_\_  
Signature: \_\_\_\_\_

|                             |       |
|-----------------------------|-------|
| Systems Health Unit         | 0     |
| Total # of pages sent       | RMDHD |
| # of samples sent this page |       |
| # of samples r'vd this page | 3     |

**Chain of Custody**

Date/Time/Temp. (°C) Received: Initials of Receiver: **JUL 15 2014 1400**

RECEIVED 12:25 9. 16.7

HPC & FS Date & Time Incubated: \_\_\_\_\_

FOR LAB USE

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
Address: 2023 Kirkfield Road Kirkfield, ON, K0M 2B0  
Telephone: 705 438-3153 Ext: \_\_\_\_\_ Fax: 705-438-5201 + Scan & Email  
Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: **Chuck Wilkinson 705-887-8390**

Comments/Conditions:

| Time Sampled (Indicate AM/PM with 12-hour clock or 24-hour clock) | Sampling Location (Describe the location AND indicate an appropriate letter classification. (D) Distribution - Consumed (R) Raw - Before Treatment & Not Consumed (E) Point of Entry - Consumed (RWC) Raw Water - Consumed without Treatment | Requires Notification as per SDWA 2002: (Please check one) | Temp. of Sample (Indicate °F or °C) | Treatment Information - Indicate Type/Chlorine Levels |           | Laboratory Number | Total Coliform CFU/100 ml | E. coli CFU/100 ml | Background CFU/100 ml | HPC CFU/1 ml | Faecal Strep. CFU/100 ml |
|---|--|--|-------------------------------------|---|-----------|-------------------|---------------------------|--------------------|-----------------------|--------------|--------------------------|
|   |  |  |                                     | Operational/Field Chlorine                            | Free mg/L |                   |                           |                    |                       |              |                          |
| 10:05   | Bridge 44<br>34223 Mara Eldon Boundary Rd. (D)   | 170/03   | 319/08                              | 0   | 0         | 012677            | 0                         | 0                  | 0                     | 0            |                          |
| 11:00   | Bridge 50<br>1202 Ramara Rd. Lakeshore (D)   |  |                                     | 0   | 0         | 012678            | 0                         | 0                  | 0                     | 0            |                          |
| 9:25  | Kirkfield Shop<br>46 Talbot St. (D)  |  |                                     | 0   | 0         | 012679            | 0                         | 0                  | 0                     | 0            |                          |

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**FOR LABORATORY USE ONLY / LABORATORY COMMENTS**

Analysis Date & Time: **JUL 16 2014 1300** Enumerated By: **AK** Audited By: \_\_\_\_\_  
Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_  
Lab No: \_\_\_\_\_ Reported to Submitting Agency @ \_\_\_\_\_ SAC @ \_\_\_\_\_ AWQI# \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_  
Methodology (COAL Endo - COAL DO): M/F CFU/100ml -07-16 2014  
Methodology (COAL HPC): SP CFU/1ml, Methodology (COAL FS): M/F CFU/100ml Page 3 of 3

Transcribed By: \_\_\_\_\_ Report Authorized By: \_\_\_\_\_  
Transcription Verified By: \_\_\_\_\_  
Email/Mail Customer: \_\_\_\_\_  
Email H.U.: \_\_\_\_\_  
MOE/MOHLTC Upload: \_\_\_\_\_  
Invoiced: \_\_\_\_\_

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg. 170/03 and O. Reg. 770/03 and O. Reg. 319/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOHLTC/works for O. Reg. 170/03 and to MOHLTC/MOHLTC/works for O. Reg. 319/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (surcharge for after hours samples)



**Chain of Custody**

Date Sampled: 20140716  
 Collected By: K. Marshall  
 Signature: K. Marshall  
 Name of Facility: Washago Sector  
 Drinking Water System (DWS) #: Please See Below  
 Submitted By: K. Marshall  
 Signature: K. Marshall

FOR LAB USE  
 Date/Time/Temp. (°C) Received: 14:57 MM  
 Initials of Receiver: /4:57 MM  
 Date & Time Incubated: JUL 16 2014  
 HPC & FS Date & Time Incubated: 16.9°C

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson  
 Address: 2023 Kirkfield Road Kirkfield, ON, K0M 2B0  
 Telephone: 705 438-3153 Ext: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca, kim.marshall@pc.gc.ca, nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Comments/Conditions:

| Time Sampled (Indicate AM/PM with 12-hour clock or use 24-hour clock) | Sample Identifier | Sampling Location (Describe the location AND indicate an appropriate letter classification, (D) Distribution - Consumed (E) Point of Entry - Consumed (RWC) Raw Water - Consumed without Treatment) | Requires Notification as per SDWA 2002: (Please check one) | Temp. of Sample (Indicate °F or °C) | Treatment Information - Indicate Type/Chlorine Levels |            |           | Laboratory Number | Background CFU/100 ml | HPC CFU/1 ml | Faecal Strep. CFU/100 ml |
|---|-------------------|---|--|-------------------------------------|---|------------|-----------|-------------------|-----------------------|--------------|--------------------------|
|   |                   |   |  |                                     | Operational/Field Chlorine                            | Total mg/L | Free mg/L |                   |                       |              |                          |
| 8:45  |                   | Bridge 57<br>1641 Penninsulia Pt. Rd. (D)   | 3170/03  | 38/08                               |   |            |           |                   |                       |              |                          |
| 7:45  |                   | Washago Shop<br>3321 Bond St. (D)   | 3170/03  | 38/08                               |   |            |           |                   |                       |              |                          |

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FOR LABORATORY USE ONLY / LABORATORY COMMENTS

Analysis Date & Time: JUL 17 2014 14:30 Enumerated By: AK Audited By: AK  
 Analysis Date & Time: JUL 17 2014 14:30 Methodology (COAL Endo - COAL DC): M/F CFU/100ml  
 Methodology (COAL HPC): SP CFU/1ml; Methodology (COAL FS): HEAVY STREPITOCOCCUS  
 Lab No: Reported to Submitting Agency @ SAC @ AWQI# By: Date: JUL 17 2014  
 Transcribed By: MOE/MOHLTC MOE/MOHLTC Upload: Invoiced: JUL 17 2014  
 Pre-Fax Check By: JUL 17 2014  
 PAXFIELD SCANNED & EMAILED

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 318/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOH/Waterworks for O. Reg 170/03 and to MOHLTC/MOH/Waterworks for O. Reg 318/08; 319/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)

Approved for use by T.J prior to use. Primary Report, PITTA 101, 1206, Revision 1.2 Page 1 of 1

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**

4260 Burnside Line, R.R. #4  
Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
www.coalab.ca

FOR LAB USE

Date/Time/Temp. (°C) Received: Initials of Receiver: **JUL 16 2014** **1600**

RECEIVED 14:51 mwy

HPC & FS Date & Time Incubated: **JUL 16 2014** **16:00**

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: **2023 Kirkfield Road Kirkfield, ON. K0M 2B0**

Telephone: **705 439-3153** Ext: \_\_\_\_\_

Email Address: **chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca**

"Live Person" After Hours Contact Name and Tel. No: **Chuck Wilkinson 705-887-8390**

Township/Town

Systems' Health Unit: **SMDHU**

Total # of pages sent: **1**

# of samples sent this page: \_\_\_\_\_

# of samples r'vd this page: **4**

Date Sampled: **20140716**

Collected By: **K. Marshall**

Signature: **K. Marshall**

Name of Facility: **Washago Sector**

Drinking Water System (DWS) # **16**

(As Assigned By MOE/MOHLTC) **Please See Below**

Submitted By: **K. Marshall**

Signature: **K. Marshall**

| Time Sampled (Indicate AM/PM with 12-hour clock or use 24-hour clock) | Sample Identifier (Describe the location AND indicate an appropriate letter classification. (D) Distribution - Consumed (R) Raw - Before Treatment & Not Consumed (E) Point of Entry - Consumed (RW) Raw Water - Consumed without Treatment | Temp. of Sample (Indicate °F or °C) | Treatment Information - Indicate Type/Chlorine Levels |           | Laboratory Number | Total Coliform CFU/100 ml | E. coli CFU/100 ml | Background CFU/100 ml | HPC CFU/1 ml | Faecal Strep. CFU/100 ml |
|---|---|-------------------------------------|---|-----------|-------------------|---------------------------|--------------------|-----------------------|--------------|--------------------------|
|   |   |                                     | Operational/Field Chlorine                            | Free mg/L |                   |                           |                    |                       |              |                          |
| 8:25  | Lock 42<br>2597 Bonsor Rd. (D)  | >                                   | UV  | mg/L      | 0000              | 0                         | 0                  | 0                     | 0            | 0                        |
| 10:40   | Lock 43<br>19 SR 409 Unit 1 (D)   | >                                   | UV  | mg/L      | 0001              | 0                         | 0                  | 0                     | 0            | 0                        |
| 12:35   | Lock 44<br>7001 Upper Big Chute Rd. (D)   | >                                   | UV  | mg/L      | 0002              | 0                         | 0                  | 0                     | 0            | 0                        |
| 1:40  | Lock 45<br>175 Port Severn Rd. N. (D)   | >                                   | UV  | mg/L      | 0003              | 0                         | 0                  | 0                     | 0            | 0                        |

**All samples will be considered DISTRIBUTION samples unless otherwise indicated. Sampling Precautions:** Transport water samples under refrigeration to laboratory. The samples require analysis ideally within 30 hours and must be analyzed within 48 hours of collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/water/samples.html. Separate bottle required for additional parameters. FS & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count. HEM = Heavy Particulate Matter. NIR = Not Received. FS and HPC require 48 hours of incubation.

**FOR LABORATORY USE ONLY / LABORATORY COMMENTS**

Analysis Date & Time: **JUL 17 2014 14:30** Enumerated By: **AK** Audited By: \_\_\_\_\_

Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_

Lab No: \_\_\_\_\_ Reported to Submitting Agency @ \_\_\_\_\_ SAC @ \_\_\_\_\_ AWQ# \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

Transcribed By: \_\_\_\_\_ Transcription Verified By: \_\_\_\_\_ Report Authorized By: \_\_\_\_\_

MOE/MOHLTC Upload: \_\_\_\_\_ Invoiced: \_\_\_\_\_

Methodology (COAL HPC): **SP CFU/1ml. Methodology (COAL FS) = M/F CFU/100ml. --- BY**

Methodology (COAL DC): **M/F CFU/100ml**

Pre-Fax Check By: **AK**

**FA X E D S C A N N E D & E M A I L E D**

**JUL 17 2014**

**-07-17 2014**

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4260 Burnside Line, R.R. #4

Orillia, ON L3V 6H4

Tel: (705) 326-8285 Fax: (705) 326-9316

www.coalab.ca

Date: 20140731

Collected By: C. Wickison

Signature: [Signature]

Name of Facility: Washago Sector

Drinking Water System (DWS) #

Submitted By: Chuck Wickison

Signature: [Signature]

Time Sampled: 9:45

Sampling Location: Lock 42

Describe the location AND indicate an appropriate letter classification.

(R) Raw - Before Treatment & Not Consumed

(E) Point of Entry - Consumed

(RWC) Raw Water - Consumed without Treatment

2597 Bonsor Rd. (D)

Lock 43

19 SR 409 Unit 1 (D)

Lock 44

7001 Upper Big-Chute Rd. (D)

Lock 45

175 Port Severn Rd. N. (D)

Requires Notification as per SDWA 2002.

170/03

3/8/08

3/19/08

N/A

Temp. of Sample (Indicate F or C)

Operational/Field Chlorine

Total mg/L

Free mg/L

Additional Parameter Check if Required

THIS AREA IS FOR LABORATORY USE ONLY

FOR LAB USE ONLY

RECEIVED 12:53 PM JUL 31 2014

Date & Time Incubated: JUL 31 2014 14:00

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153

Email Address: chuck.wilkinson@pc.gc.ca

After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Comments/Conditions:

Table with columns: Time Sampled, Sampling Location, Temp. of Sample, Operational/Field Chlorine, Additional Parameter Check if Required, Laboratory Number, Total Coliform, E. coli, Background, HPC, Faecal Strep.

All samples will be considered DISTRIBUTION samples unless otherwise indicated. Sampling Precautions: Transport water samples under refrigeration to laboratory. The samples require analysis ideally within 30 hours and must be analyzed within 48 hours of collection.

FOR LABORATORY USE ONLY / LABORATORY COMMENTS

Enumerated By: [Signature]

AUG 01 2014 0830

Enumerated By: [Signature]

Reported to Submitting Agency @

Authorized By: [Signature]

Transcription Verified By: [Signature]

Report Authorized By: [Signature]

Methodology (COAL HPC): SP CFU/1ml; Methodology (BY FS): M/F CFU/100ml

Methodology (COAL Endo - COAL DC): M/F CFU/100ml

Methodology (COAL HPC): SP CFU/1ml; Methodology (BY FS): M/F CFU/100ml

SCANNED & EMAILED

AUG 01 2014

Methodology (COAL HPC): SP CFU/1ml; Methodology (BY FS): M/F CFU/100ml

Methodology (COAL Endo - COAL DC): M/F CFU/100ml

Methodology (COAL HPC): SP CFU/1ml; Methodology (BY FS): M/F CFU/100ml

Methodology (COAL Endo - COAL DC): M/F CFU/100ml

Methodology (COAL HPC): SP CFU/1ml; Methodology (BY FS): M/F CFU/100ml

Methodology (COAL Endo - COAL DC): M/F CFU/100ml

Methodology (COAL HPC): SP CFU/1ml; Methodology (BY FS): M/F CFU/100ml

Methodology (COAL Endo - COAL DC): M/F CFU/100ml

Methodology (COAL HPC): SP CFU/1ml; Methodology (BY FS): M/F CFU/100ml

FA X E D

AUG 01 2014

Methodology (COAL HPC): SP CFU/1ml; Methodology (BY FS): M/F CFU/100ml

Methodology (COAL Endo - COAL DC): M/F CFU/100ml

Methodology (COAL HPC): SP CFU/1ml; Methodology (BY FS): M/F CFU/100ml

Methodology (COAL Endo - COAL DC): M/F CFU/100ml

Methodology (COAL HPC): SP CFU/1ml; Methodology (BY FS): M/F CFU/100ml

Methodology (COAL Endo - COAL DC): M/F CFU/100ml

Methodology (COAL HPC): SP CFU/1ml; Methodology (BY FS): M/F CFU/100ml

Methodology (COAL Endo - COAL DC): M/F CFU/100ml

Methodology (COAL HPC): SP CFU/1ml; Methodology (BY FS): M/F CFU/100ml

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Primary Report, PITA 101, 1206, Revision 1.2

Page 1 of 1

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**

4260 Burnside Line, R.R. #4  
Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
www.coalab.ca

Primary Report of Microbiological Analysis of Drinking Water Only

FOR LAB USE ONLY

Date/Time/Temp. (°C) Received: **RECEIVED 12:53** Initials of Receiver: **WMA**

Date & Time Incubated: **JUL 31 2014**

HPC & FS Date & Time Incubated: **19.8°C**

Date & Time Incubated: **JUL 31 2014**

HPC & FS Date & Time Incubated: **1400**

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: **2023 Kirkfield Road Kirkfield, ON, K0M 2B0**

Telephone: **705 438-3153** Ext: **705 438-5201** Fax: **705-438-5201** Scan & Email

Email Address: **chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca**

"Live Person" After Hours Contact Name and Tel. No: **Chuck Wilkinson 705-887-8390**

Township/Town: **0**

Systems Health Unit: **RMDHD**

Total # of pages sent: **2**

# of samples sent this page: **2**

# of samples rec'd this page: **2**

Name of Facility: **Washago Sector**

Drinking Water System (DWS) #: **Washago Sector**

(As Assigned By MOE/MOHLTC) Please See Below

Submitted By: **CHUCK WILKINSON**

(Please Print) Signature: **CHUCK WILKINSON**

| Time Sampled (Indicate AM/PM with 12-hour clock or use 24-hour clock) | Sampling Location (Describe the location AND indicate an appropriate letter classification. (D) Distribution - Consumed (R) Raw - Before Treatment & Not Consumed (E) Point of Entry - Consumed (RWC) Raw Water - Consumed without Treatment | Requires Notification as per SDWA 2002. (Please check one) | Temp. of Sample (Indicate °F or °C) | Treatment Information - Indicate Type/Chlorine Levels |           | Laboratory Number | Total Coliform CFU/100 ml | E. coli CFU/100 ml | Background CFU/100 ml | HPC CFU/1 ml | Faecal Strep. CFU/100 ml |
|---|--|--|-------------------------------------|---|-----------|-------------------|---------------------------|--------------------|-----------------------|--------------|--------------------------|
|   |  |  |                                     | Chlorine mg/L   | Free mg/L |                   |                           |                    |                       |              |                          |
| 9:20  | Bridge 57<br>1641 Peninsula Pt. Rd. (D)  | 17003<br>318/08<br>319/08                                  | >                                   | UV  |           | 014215            | 0                         | 0                  | 0                     | 0            | 0                        |
| 8:55  | Washago Shop<br>3321 Bond St. (D)  | >  | >                                   |   |           | 014216            | 0                         | 0                  | 0                     | 0            | 0                        |

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FOR LABORATORY USE ONLY / LABORATORY COMMENTS

Analysis Date & Time: **AUG 01 2014 13:30** Enumerated By: **W** Audited By: **M**

Methodology (COAL Endo - COAL DC): **M/F CFU/100ml**

Analysis Date & Time: **AUG 01 2014** Methodology (COAL HPC): **SP CFU/1ml; Methodology (COAL FS): M/F CFU/100ml**

Lab No: **198-11-01** Reported to Submitting Agency @ **SAC @** AWWQ# **BY** Date: **AUG 01 2014**

Transcribed By: **CHUCK WILKINSON** Report Authorized By: **CHUCK WILKINSON** MOE/MOHLTC Upload: **Invoked:**

Pre-Fax Check By: **CHUCK WILKINSON**

Primary Report, PITA 101, 1206, Revision 1.2  
Page 1 of 1

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4260 Burnside Line, R.R. #4  
Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
www.coalab.ca

**Chain of Custody**

Primary Report of Microbiological Analysis of Drinking Water Only

|             |  |                                 |   |
|-------------|--|---------------------------------|---|
| FOR LAB USE | Date/Time/Temp. (°C) Received: <b>RECEIVED</b> | Initials of Receiver: <b>AW</b> | Date & Time Incubated: <b>AUG 01 2014 12:00</b> |
|             | <b>AUG 01 2014 10:47</b>                       |                                 | HPC & FS Date & Time Incubated: <b>22.9</b>     |

|   |       |
|---|-------|
| Township/Town                             | SMDHU |
| Systems Health Unit Total # of pages sent |       |
| # of samples sent this page               |       |
| # of samples rec'd this page              | 2     |

Date Sampled: **20140801**

Collected By: **Kim Marshall**

Signature: **Kim Marshall**

Name of Facility: **Washago Sector**

Drinking Water System (DWS) # **Washago Sector**

(As Assigned By MOE/MOHLTC) Please See Below

Submitted By: **Kim Marshall**

Signature: **Kim Marshall**

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: **2023 Kirkfield Road Kirkfield, ON. K0M 2B0**

Telephone: **705 438-3153** Ext: **705-438-5201 + Scan & Email**

Email Address: **chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca**

"Live Person" After Hours Contact Name and Tel. No: **Chuck Wilkinson 705-887-8390**

Comments/Conditions:

| Time Sampled | Sample Identifier | Sampling Location            | Requires Notification as per SDWA 2002. (Please check one) | Temp. of Sample (Indicate °F or °C) | Treatment Information - Indicate Type/Chlorine Levels |                            |           | Laboratory Number | Total Coliform CFU/100 ml | E. coli CFU/100 ml | Background CFU/100 ml | HPC CFU/1 ml | Faecal Strep CFU/100 ml |
|--------------|-------------------|------------------------------|--|-------------------------------------|---|----------------------------|-----------|-------------------|---------------------------|--------------------|-----------------------|--------------|-------------------------|
|              |                   |                              |  |                                     | UV  | Operational/Field Chlorine | Free mg/L |                   |                           |                    |                       |              |                         |
|              |                   | Lock 42                      | 170/03   | N/A                                 |   |                            |           |                   |                           |                    |                       |              |                         |
|              |                   | 2597 Bonsor Rd. (D)          | >  | >                                   |   |                            |           |                   |                           |                    |                       |              |                         |
|              |                   | Lock 43                      | >  | >                                   |   |                            |           |                   |                           |                    |                       |              |                         |
|              |                   | 19 SR 409 Unit 1 (D)         | >  | >                                   |   |                            |           |                   |                           |                    |                       |              |                         |
|              |                   | Lock 44                      | >  | >                                   |   |                            |           |                   |                           |                    |                       |              |                         |
|              |                   | 7001 Upper Big Chute Rd. (D) | >  | >                                   |   |                            |           |                   |                           |                    |                       |              |                         |
|              |                   | Lock 45                      | >  | >                                   |   |                            |           |                   |                           |                    |                       |              |                         |
|              |                   | 175 Port Severn Rd. N. (D)   | >  | >                                   |   |                            |           |                   |                           |                    |                       |              |                         |

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FOR LABORATORY USE ONLY / LABORATORY COMMENTS

Analysis Date & Time: **AUG 02 2014 11:03** Enumerated By: **AW** Audited By: **AW** Methodology (COAL Endo - COAL DC): **M/F CFU/100ml**

Analysis Date & Time: Enumerated By: Audited By: Methodology (COAL HPC): **SP CFU/1ml. Methodology (COAL FS): M/F CFU/100ml**

Lab No: Reported to Submitting Agency @ **SAC @** AWQI# **AWQI#** By: **AWQI#** Date: **AUG 05 2014**

Transcribed By: **AWQI#** Report Authorized By: **AWQI#** Email/Mail Customer: **AWQI#** MOE/MOHLTC Upload: **AWQI#** Invoiced: **AWQI#**

Pre-Fax Check By: **AWQI#**

**FA X E D**

**AUG 05 2014**

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Approved for use by TJ prior to use.

Primary Report, PITA 101, 1206, Revision 1.2  
Page 1 of 1

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

**Final Certificate of Microbiological Analysis of Drinking Water**

|   |                               |                 |  |
|---|-------------------------------|-----------------|--|
| Date & Time Received:<br>2014-08-12 11:56 | Temp. Rec'd.<br>(°C):<br>20.9 | Receiver:<br>MH | Date & Time Incubated:<br>2014-08-12 13:00 |
|   |                               |                 | HPC & FS Date & Time Incubated:            |

Date Sampled: 2014-08-12  
 Collected By: Ellie Wright  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                              |         |
|------------------------------|---------|
| Twp/Town Systems Health Unit | HKPRDHU |
| Regulation                   | 319/08  |
| Total # of pages sent        | 3       |
| # of samples sent            | 8       |
| # of samples received        | 8       |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Ellie Wright

**Conditions/Comments**

| Time Sampled                         | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|--------------------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                                      |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Rosedale Lock 35 #835J66E47</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:00                                |                   | 161 Trent Canal Rd.               | D          |                         |                       |       |                              |                             | 014952            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bolsover Bridge 43 (Reg. N/A)</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:42                                |                   | 138 Bolsover Rd.                  | D          |                         |                       |       |                              |                             | 014953            | 0              | 0          | 0       |            |            |            |     |          |

**All samples will be considered DISTRIBUTION samples unless otherwise indicated.**  
**All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).**  
 Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.  
 COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.  
 For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2014-08-13 12:00 Enumerated By: LC Audited By: AV Methodology: M/F CFU/100ml  
 Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: HM/KN/AB/AV  
 Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

| Test Methodology and Detection Limit |           |                 |                             |
|--------------------------------------|-----------|-----------------|-----------------------------|
| Total Coliform (Treated)             | COAL Endo | Detection Limit | 0 - 80                      |
| Total Coliform (Untreated)           | COAL DC   | Detection Limit | 0 - 80                      |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      |
| Reportable Limit:                    |           |                 | 1                           |
| Indicates Deterioration:             |           |                 | >200                        |
| Indicates Deterioration:             |           |                 | >200                        |
| Indicates Deterioration:             |           |                 | >500                        |
| Reportable Limit:                    |           |                 | 1                           |

Performed by Membrane Filtration M/F CFU/100 ml  
 Performed by Membrane Filtration M/F CFU/100 ml  
 Performed by Membrane Filtration M/F CFU/100 ml  
 Performed by Membrane Filtration M/F CFU/100 ml  
 Performed by Membrane Filtration M/F CFU/100 ml  
 Performed by Spread Plate SP CFU/1 ml  
 Performed by Membrane Filtration M/F CFU/100 ml

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-08-12 13:00 |
| 2014-08-12 11:56      | 20.9               | MH        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-08-12  
 Collected By: Ellie Wright  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | 318/08         |
| Total # of pages sent | 3              |
| # of samples sent     | 8              |
| # of samples received | 8              |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Ellie Wright

**Conditions/Comments**

| Time Sampled              | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              | Laboratory Number | Total Coliform              |     | E. coli    |     | Background |     | HPC        |     |
|---------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-------------------|-----------------------------|-----|------------|-----|------------|-----|------------|-----|
|                           |                   |                                   |            |                         | J.V.                  | Other | Total Cl <sub>2</sub> (mg/L) |                   | Free Cl <sub>2</sub> (mg/L) | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< |
| <b>Talbot Lock 38</b>     |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 10:23                     |                   | 1419 Canal Rd.                    | D          |                         |                       |       |                              | 014956            | 0                           | 0   | 0          |     |            |     |            |     |
| <b>Portage Lock 39</b>    |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 10:36                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              | 014957            | 0                           | 0   | 0          |     |            |     |            |     |
| <b>Thorah Lock 40</b>     |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 10:42                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              | 014958            | 0                           | 0   | 0          |     |            |     |            |     |
| <b>Gamebridge Lock 41</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 10:50                     |                   | 33235 Durham Rd.                  | D          |                         |                       |       |                              | 014959            | 0                           | 0   | 135        |     |            |     |            |     |

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For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

N/R = Not Received

F.S. and HPC require 48 hours of incubation

Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2014-08-13 12:00 Enumerated By: LC Audited By: AV Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: AC

Authorized & Rechecked By: TJ/JT

Copy Released By: HM/KN/AB/AV

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

**Test Methodology and Detection Limit**

|                            |           |                 |                             |                          |      |                                  |                |
|----------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)   | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated) | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                    | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                        | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus       | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

Approved for use by TJ prior to use.

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## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                       |           |                                 |                  |
|-----------------------|-----------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd.<br>(°C): | Receiver: | Date & Time Incubated:          | 2014-08-12 13:00 |
| 2014-08-12 11:56      | 20.9                  | MH        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-08-12  
 Collected By: Ellie Wright  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | N/A            |
| Total # of pages sent | 3              |
| # of samples sent     | 8              |
| # of samples received | 8              |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Ellie Wright

**Conditions/Comments**

| Time Sampled     | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              | Laboratory Number | Total Coliform              |     | E. coli    |     | Background |     | HPC        |     |
|------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-------------------|-----------------------------|-----|------------|-----|------------|-----|------------|-----|
|                  |                   |                                   |            |                         | UV                    | Other | Total Cl <sub>2</sub> (mg/L) |                   | Free Cl <sub>2</sub> (mg/L) | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< |
| <b>Bridge 44</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 09:59            |                   | 34223 Mara Eldon Boundary Rd      | D          |                         |                       |       |                              | 014954            | 0                           |     | 0          |     | 0          |     |            |     |
| <b>Bridge 50</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 11:00            |                   | 1202 Ramara Rd. Lakeshore         | D          |                         |                       |       |                              | 014955            | 0                           |     | 0          |     | 0          |     |            |     |
|                  |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                  |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                  |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                  |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                  |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                  |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                  |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                  |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |

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**All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).**  
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 For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2014-08-13 12:00 Enumerated By: LC Audited By: AV Methodology: M/F CFU/100ml  
 Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: AC Authorized & Rechecked By: TJ/JT Copy Released By: HM/KN/AB/AV  
 Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

| Test Methodology and Detection Limit |           |                 |                             |                          |      |   |
|--------------------------------------|-----------|-----------------|-----------------------------|--------------------------|------|---|
| Total Coliform (Treated)             | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration M/F CFU/100 ml |
| Total Coliform (Untreated)           | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration M/F CFU/100 ml |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration M/F CFU/100 ml |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration M/F CFU/100 ml |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration M/F CFU/100 ml |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate SP CFU/1 ml           |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration M/F CFU/100 ml |



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 www.coalab.ca

**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-08-26 13:30 |
| 2014-08-26 12:02      | 20.1               | MH        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-08-26  
 Collected By: Ellie Wright  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |         |
|-----------------------|---------|
| Twp/Town              |         |
| Systems Health Unit   | HKPRDHU |
| Regulation            | 319/08  |
| Total # of pages sent | 3       |
| # of samples sent     | 11      |
| # of samples received | 11      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Ellie Wright

|                            |
|----------------------------|
| <b>Conditions/Comments</b> |
|----------------------------|

| Time Sampled                         | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|--------------------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                                      |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Rosedale Lock 35 #835J66E47</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:00                                |                   | 161 Trent Canal Rd.               | D          |                         |                       |       |                              |                             | 016125            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Kirkfield Lock 36 #835J66E39</b>  |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:05                                |                   | 2023 Kirkfield Rd.                | D          |                         |                       |       |                              |                             | 016126            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bolsover Lock 37 #835J66E21</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:19                                |                   | 92 Talbot Dr.                     | D          |                         |                       |       |                              |                             | 016127            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bolsover Bridge 43 (Reg. N/A)</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:00                                |                   | 138 Bolsover Rd.                  | D          |                         |                       |       |                              |                             | 016128            | 0              | 0          | 0       |            |            |            |     |          |

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F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter NR = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2014-08-27 12:30 Enumerated By: GD Audited By: AV Methodology: M/F CFU/100ml

Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: CAB Authorized & Rechecked By: TJ/JT Copy Released By: AV/AB/CAB/HM

Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

Test Methodology and Detection Limit

|                            |           |                 |                             |                          |      |                                  |                |
|----------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)   | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated) | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                    | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                        | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus       | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

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**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-08-26 13:30 |
| 2014-08-26 12:02      | 20.1               | MH        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-08-26

Collected By: Ellie Wright

Name of Facility: Kirkfield Sector

Drinking Water System (DWS) #: Please See Below

Submitted By: Ellie Wright

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | 318/08         |
| Total # of pages sent | 3              |
| # of samples sent     | 11             |
| # of samples received | 11             |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

**Conditions/Comments**

| Time Sampled              | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|---------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                           |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Talbot Lock 38</b>     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:37                     |                   | 1419 Canal Rd.                    | D          |                         |                       |       |                              |                             | 016129            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Portage Lock 39</b>    |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:45                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              |                             | 016130            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Thorah Lock 40</b>     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:53                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              |                             | 016131            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Gamebridge Lock 41</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:00                     |                   | 33235 Durham Rd.                  | D          |                         |                       |       |                              |                             | 016132            | 0              | 0          | 115     |            |            |            |     |          |

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 For collection and handling procedures visit www.coalab.ca/watersamples.html  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2014-08-27 12:30 Enumerated By: GD Audited By: AV Methodology: M/F CFU/100ml  
 Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: CAB Authorized & Rechecked By: TJ/JT Copy Released By: AV/AB/CAB/HM  
 Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

| Test Methodology and Detection Limit | COAL      | Endo            | Detection Limit             | Reportable Limit:        | 1    | Performed by                     | M/F CFU/100 ml |
|--------------------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)             | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated)           | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



4260 Burnside Line, R.R. #4  
Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
[www.coalab.ca](http://www.coalab.ca)

**Final Certificate of Microbiological Analysis of Drinking Water**

|   |                               |                 |  |
|---|-------------------------------|-----------------|--|
| Date & Time Received:<br>2014-08-26 12:02 | Temp. Rec'd.<br>(°C):<br>20.1 | Receiver:<br>MH | Date & Time Incubated:<br>2014-08-26 13:30 |
|   |                               |                 | HPC & FS Date & Time Incubated:            |

Date Sampled: 2014-08-26  
Collected By: Ellie Wright  
Name of Facility: Kirkfield Sector  
Drinking Water System (DWS) # **Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | N/A            |
| Total # of pages sent | 3              |
| # of samples sent     | 11             |
| # of samples received | 11             |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
Email Address: [chuck.wilkinson@pc.gc.ca](mailto:chuck.wilkinson@pc.gc.ca); [kim.marshall@pc.gc.ca](mailto:kim.marshall@pc.gc.ca); [nicole.hamilton@pc.gc.ca](mailto:nicole.hamilton@pc.gc.ca)  
"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Ellie Wright

|                            |
|----------------------------|
| <b>Conditions/Comments</b> |
|----------------------------|

| Time Sampled          | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|-----------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                       |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Bridge 44</b>      |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:07                 |                   | 34223 Mara Eldon Boundary Rd.     | D          |                         |                       |       |                              |                             | 016133            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bridge 50</b>      |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:15                 |                   | 1202 Ramara Rd. Lakeshore         | D          |                         |                       |       |                              |                             | 016134            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Kirkfield Shop</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:20                 |                   | 46 Talbot St.                     | D          |                         |                       |       |                              |                             | 016135            | 0              | 0          | 0       |            |            |            |     |          |

**All samples will be considered DISTRIBUTION samples unless otherwise indicated.**  
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Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.  
COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.  
For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter NR = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2014-08-27 12:30 Enumerated By: GD Audited By: AV Methodology: M/F CFU/100ml  
Analysis Date & Time: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
Transcribed By: CAB Authorized & Rechecked By: TJ/JT Copy Released By: AV/AB/CAB/HM  
Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

|                                      |           |                 |                             |                          |      |                                  |                |  |  |  |  |  |  |  |  |  |  |
|--------------------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|--|--|--|--|--|--|--|--|--|--|
| Test Methodology and Detection Limit |           |                 |                             |                          |      |                                  |                |  |  |  |  |  |  |  |  |  |  |
| Total Coliform (Treated)             | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |  |  |  |  |  |  |  |  |  |  |
| Total Coliform (Untreated)           | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |  |  |  |  |  |  |  |  |  |  |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |  |  |  |  |  |  |  |  |  |  |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |  |  |  |  |  |  |  |  |  |  |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |  |  |  |  |  |  |  |  |  |  |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |  |  |  |  |  |  |  |  |  |  |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |  |  |  |  |  |  |  |  |  |  |

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-09-09 13:30 |
| 2014-09-09 12:30      | 21.6               | LJ        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-09-09  
 Collected By: Chuck Wilkinson  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |         |
|-----------------------|---------|
| Twp/Town              |         |
| Systems Health Unit   | HKPRDHU |
| Regulation            | 319/08  |
| Total # of pages sent | 3       |
| # of samples sent     | 10      |
| # of samples received | 10      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

**Conditions/Comments**

| Time Sampled                         | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|--------------------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                                      |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Rosedale Lock 35 #835J66E47</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:30                                |                   | 161 Trent Canal Rd.               | D          |                         |                       |       |                              |                             | 017244            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Kirkfield Lock 36 #835J66E39</b>  |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:05                                |                   | 2023 Kirkfield Rd.                | D          |                         |                       |       |                              |                             | 017245            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bolsover Lock 37 #835J66E21</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:55                                |                   | 92 Talbot Dr.                     | D          |                         |                       |       |                              |                             | 017246            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bolsover Bridge 43 (Reg. N/A)</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:40                                |                   | 138 Bolsover Rd.                  | D          |                         |                       |       |                              |                             | 017247            | 0              | 0          | 0       |            |            |            |     |          |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.  
 For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2014-09-10 12:30 Enumerated By: GD Audited By: AV Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: CAB Authorized & Rechecked By: TJ/JT Copy Released By: AV/CAB/AB/HM

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

**Test Methodology and Detection Limit**

|                            |           |                 |                             |                          |      |                                  |                |
|----------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)   | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated) | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                    | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                        | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus       | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

Approved for use by TJ prior to use.

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 Orillia, ON L3V 6H4  
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 www.coalab.ca

**Final Certificate of Microbiological Analysis of Drinking Water**

|   |                               |                 |  |
|---|-------------------------------|-----------------|--|
| Date & Time Received:<br>2014-09-09 12:30 | Temp. Rec'd.<br>(°C):<br>21.6 | Receiver:<br>LJ | Date & Time Incubated:<br>2014-09-09 13:30 |
|   |                               |                 | HPC & FS Date & Time Incubated:            |

Date Sampled: 2014-09-09

Collected By: Chuck Wilkinson

Name of Facility: Kirkfield Sector

Drinking Water System (DWS) # **Please See Below**

Submitted By: Chuck Wilkinson

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | 318/08         |
| Total # of pages sent | 3              |
| # of samples sent     | 10             |
| # of samples received | 10             |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

**Conditions/Comments**

| Time Sampled              | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|---------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                           |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Talbot Lock 38</b>     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:30                     |                   | 1419 Canal Rd.                    | D          |                         |                       |       |                              |                             | 017248            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Portage Lock 39</b>    |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:35                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              |                             | 017249            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Thorah Lock 40</b>     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:40                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              |                             | 017250            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Gamebridge Lock 41</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:00                     |                   | 33235 Durham Rd.                  | D          |                         |                       |       |                              |                             | 017251            | 0              | 0          | 0       |            |            |            |     |          |

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 For collection and handling procedures visit www.coalab.ca/watersamples.html  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2014-09-10 12:30 Enumerated By: GD Audited By: AV Methodology: M/F CFU/100ml  
 Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: CAB Authorized & Rechecked By: TJ/JT Copy Released By: AV/CAB/AB/HM  
 Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

| Test Methodology and Detection Limit | COAL      | Endo            | Detection Limit             | Reportable Limit:        | 1    | Performed by                     | M/F CFU/100 ml |
|--------------------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)             | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated)           | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



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 Orillia, ON L3V 6H4  
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[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-09-09 13:30 |
| 2014-09-09 12:30      | 21.6               | LJ        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-09-09  
 Collected By: Chuck Wilkinson  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | N/A            |
| Total # of pages sent | 3              |
| # of samples sent     | 10             |
| # of samples received | 10             |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: [chuck.wilkinson@pc.gc.ca](mailto:chuck.wilkinson@pc.gc.ca); [kim.marshall@pc.gc.ca](mailto:kim.marshall@pc.gc.ca); [nicole.hamilton@pc.gc.ca](mailto:nicole.hamilton@pc.gc.ca)  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

**Conditions/Comments**

| Time Sampled     | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                  |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Bridge 44</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:50            |                   | 34223 Mara Eldon Boundary Rd.     | D          |                         |                       |       |                              |                             | 017252            | 0              | 0          | 6       |            |            |            |     |          |
| <b>Bridge 50</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:05            |                   | 1202 Ramara Rd. Lakeshore         | D          |                         |                       |       |                              |                             | 017253            | 0              | 0          | 0       |            |            |            |     |          |

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 For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2014-09-10 12:30 Enumerated By: GD Audited By: AV Methodology: M/F CFU/100ml  
 Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: CAB Authorized & Rechecked By: TJ/JT Copy Released By: AV/CAB/AB/HM  
 Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

| Test Methodology and Detection Limit | COAL     | Endo            | Detection Limit             | 0 - 80                   | Reportable Limit: | 1                                | Performed by Membrane Filtration | M/F CFU/100 ml |
|--------------------------------------|----------|-----------------|-----------------------------|--------------------------|-------------------|----------------------------------|----------------------------------|----------------|
| Total Coliform (Treated)             | COAL DC  | Detection Limit | 0 - 80                      | Reportable Limit:        | 1                 | Performed by Membrane Filtration | M/F CFU/100 ml                   |                |
| Total Coliform (Untreated)           | COAL DC  | Detection Limit | 0 - 60                      | Reportable Limit:        | 1                 | Performed by Membrane Filtration | M/F CFU/100 ml                   |                |
| E. coli                              | COAL DC  | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200              | Performed by Membrane Filtration | M/F CFU/100 ml                   |                |
| Background                           | COAL DC  | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200              | Performed by Membrane Filtration | M/F CFU/100 ml                   |                |
| HPC                                  | COAL HPC | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500              | Performed by Spread Plate        | SP CFU/1 ml                      |                |
| Faecal Streptococcus                 | COAL FS  | Detection Limit | 0 - 80                      | Reportable Limit:        | 1                 | Performed by Membrane Filtration | M/F CFU/100 ml                   |                |

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



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 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

**Final Certificate of Microbiological Analysis of Drinking Water**

|   |                               |                 |  |
|---|-------------------------------|-----------------|--|
| Date & Time Received:<br>2014-09-23 11:23 | Temp. Rec'd.<br>(°C):<br>20.4 | Receiver:<br>MH | Date & Time Incubated:<br>2014-09-23 12:30 |
|   |                               |                 | HPC & FS Date & Time<br>Incubated:         |

Date Sampled: 2014-09-23  
 Collected By: Chuck Wilkinson  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |         |
|-----------------------|---------|
| Twp/Town              |         |
| Systems Health Unit   | HKPRDHU |
| Regulation            | 319/08  |
| Total # of pages sent | 3       |
| # of samples sent     | 9       |
| # of samples received | 9       |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

**Conditions/Comments**

| Time Sampled                         | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|--------------------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                                      |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Rosedale Lock 35 #835J66E47</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:45                                |                   | 161 Trent Canal Rd.               | D          |                         |                       |       |                              |                             | 018296            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Kirkfield Lock 36 #835J66E39</b>  |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:00                                |                   | 2023 Kirkfield Rd.                | D          |                         |                       |       |                              |                             | 018297            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bolsover Lock 37 #835J66E21</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:40                                |                   | 92 Talbot Dr.                     | D          |                         |                       |       |                              |                             | 018298            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bolsover Bridge 43 (Reg. N/A)</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:15                                |                   | 138 Bolsover Rd.                  | D          |                         |                       |       |                              |                             | 018299            | 0              | 0          | 0       |            |            |            |     |          |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2014-09-24 11:00 Enumerated By: GD Audited By: LJ Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: CAB Authorized & Rechecked By: TJ/JT Copy Released By: LJ/CAB/AB/HM

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

**Test Methodology and Detection Limit**

|                            |           |                 |                             |                          |      |                                  |                |
|----------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)   | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated) | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                    | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                        | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus       | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Microbiological Analysis of Drinking Water

|   |                               |                 |  |
|---|-------------------------------|-----------------|--|
| Date & Time Received:<br>2014-09-23 11:23 | Temp. Rec'd.<br>(°C):<br>20.4 | Receiver:<br>MH | Date & Time Incubated:<br>2014-09-23 12:30 |
|   |                               |                 | HPC & FS Date & Time Incubated:            |

Date Sampled: 2014-09-23

Collected By: Chuck Wilkinson

Name of Facility: Kirkfield Sector

Drinking Water System (DWS) # **Please See Below**

Submitted By: Chuck Wilkinson

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | 318/08         |
| Total # of pages sent | 3              |
| # of samples sent     | 9              |
| # of samples received | 9              |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

**Conditions/Comments**

| Time Sampled              | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|---------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                           |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Talbot Lock 38</b>     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:50                     |                   | 1419 Canal Rd.                    | D          |                         |                       |       |                              |                             | 018300            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Portage Lock 39</b>    |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:55                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              |                             | 018301            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Thorah Lock 40</b>     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:00                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              |                             | 018302            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Gamebridge Lock 41</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:05                     |                   | 33235 Durham Rd.                  | D          |                         |                       |       |                              |                             | 018303            | 0              | 0          | 0       |            |            |            |     |          |

**All samples will be considered DISTRIBUTION samples unless otherwise indicated.**  
**All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).**  
 Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.  
 COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.  
 For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2014-09-24 11:00 Enumerated By: GD Audited By: LJ Methodology: M/F CFU/100ml  
 Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: CAB Authorized & Rechecked By: TJ/JT Copy Released By: LJ/CAB/AB/HM  
 Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

| Test Methodology and Detection Limit | Detection Limit                      | Reportable Limit:             | Performed by                     | Methodology    |
|--------------------------------------|--------------------------------------|-------------------------------|----------------------------------|----------------|
| Total Coliform (Treated)             | COAL Endo 0 - 80                     | 1                             | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated)           | COAL DC 0 - 80                       | 1                             | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                              | COAL DC 0 - 60                       | 1                             | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL Endo 0 - 200                    | Indicates Deterioration: >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL DC 0 - 200                      | Indicates Deterioration: >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                                  | COAL HPC 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus                 | COAL FS 0 - 80                       | 1                             | Performed by Membrane Filtration | M/F CFU/100 ml |



# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



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 www.coalab.ca

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-09-23 12:30 |
| 2014-09-23 11:23      | 20.4               | MH        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-09-23  
 Collected By: Chuck Wilkinson  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | N/A            |
| Total # of pages sent | 3              |
| # of samples sent     | 9              |
| # of samples received | 9              |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

**Conditions/Comments**

| Time Sampled          | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|-----------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                       |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Bridge 44</b>      |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:30                 |                   | 34223 Mara Eldon Boundary Rd.     | D          |                         |                       |       |                              |                             | 018304            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bridge 50</b>      |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:30                 |                   | 1202 Ramara Rd. Lakeshore         | D          |                         |                       |       |                              |                             | 018305            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Kirkfield Shop</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:30                 |                   | 46 Talbot St.                     | D          |                         |                       |       |                              |                             | 018306            | 0              | 0          | 0       |            |            |            |     |          |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

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For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

N/R = Not Received

F.S. and HPC require 48 hours of incubation

Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2014-09-24 11:00 Enumerated By: GD Audited By: LJ Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: CAB

Authorized & Rechecked By: TJ/JT

Copy Released By: LJ/CAB/AB/HM

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

**Test Methodology and Detection Limit**

|                            |           |                 |                             |                          |      |                                  |                |
|----------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)   | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated) | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                    | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                        | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus       | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

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www.coalab.ca

FOR LAB USE

Date/Time/Temp. (°C) Received: Initials of Receiver: **SEP 10 2014 15:00**

RECEIVED **14:05**

SEP 10 2014 **22:4**

Date & Time Incubated: HPC & FS Date & Time Incubated:

Township/Town: **SMDHU**

Systems Health Unit: **SMDHU**

Total # of pages sent: **4**

# of samples sent this page: **4**

# of samples rec'd this page: **4**

Collected By: **Chuck Wilkinson**

Name of Facility: **Washago Sector**

Drinking Water System (DWS) #: **201409110**

(As Assigned By MOE/MOHLTC) Please See Below

Submitted By: **Chuck Wilkinson**

Signature: **Chuck Wilkinson**

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: **2023 Kirkfield Road Kirkfield, ON, K0M 2B0**

Telephone: **705 438-3153** Ext: **705-438-5201 + Scan & Email**

Email Address: **chuck.wilkinson@pc.gc.ca; kim\_marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca**

"Live Person" After Hours Contact Name and Tel. No: **Chuck Wilkinson 705-887-8390**

| Time Sampled | Sampling Location (Describe the location AND indicate an appropriate letter classification.) | Sample Identifier | Requires Notification as per SDWA 2002 (Please check one) | Temp. of Sample (Indicate °F or °C) | Treatment Information - Indicate Type/Chlorine Levels |                            | Laboratory Number | Background CFU/100 ml | HPC CFU/1 ml | Faecal Strop. CFU/100 ml |
|--------------|--|-------------------|---|-------------------------------------|---|----------------------------|-------------------|-----------------------|--------------|--------------------------|
|              |  |                   |   |                                     | Operational/Field Chlorine                            | Free mg/L                  |                   |                       |              |                          |
| 1:00         | Lock 42<br>2597 Bonsor Rd. (D)   |                   | 3/8/08<br>3/19/08<br>17/03                                | N/A                                 | UV  | Operational/Field Chlorine | 017533            | 0                     | 0            | 0                        |
| 11:40        | Lock 43<br>19 SR 409 Unit 1 (D)  |                   | ✓   |                                     |   |                            | 017534            | 0                     | 0            | 0                        |
| 10:05        | Lock 44<br>7001 Upper Big Chute Rd. (D)  |                   | ✓   |                                     |   |                            | 017535            | 0                     | 0            | 0                        |
| 9:40         | Lock 45<br>175 Port Severn Rd. N. (D)  |                   | ✓   |                                     |   |                            | 017536            | 0                     | 0            | 0                        |

All samples will be considered DISTRIBUTION samples unless otherwise indicated. Sampling Precautions: Transport water samples under refrigeration to laboratory. The samples require analysis ideally within 30 hours and must be analyzed within 48 hours of collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html. Separate bottle required for additional parameters. FS & Faecal Strop. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter. N/R = Not Received. FS and HPC require 48 hours of incubation.

FOR LABORATORY USE ONLY / LABORATORY COMMENTS

Analysis Date & Time: **SEP 11 2014 14:00** Enumerated By: **GO** Audited By: **A** Methodology (COAL Endo - COAL DC): **M/F CFU/100ml**

Analysis Date & Time: Enumerated By: Audited By: Methodology (COAL HPC): **SP CFU/1ml; Methodology (COAL FS): M/F CFU/100ml**

Lab No: Reported to Submitting Agency @ **SAC @** AWQ/# **1013** By: **1013** Page - Date: **1013** BY **1013**

Transcribed By: MOE/MOHLTC Upload: Invoiced:

Report Transcription Verified By: Authorized By: Email Customer: H.U.:

**SCANNED & EMAILED**

**FAXED**

**SEP 11 2014**

**-09-11 2014**

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**

4260 Burnside Line, R.R. #4  
Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
www.coalab.ca

**Chain of Custody**

**Primary Report of Microbiological Analysis of Drinking Water Only**

|                  |  |                       |   |
|------------------|--|-----------------------|---|
| FOR LAB USE ONLY | Date/Time/Temp. (°C) Received: <b>4:05 P</b> | Initials of Receiver: | Date & Time Incubated: <b>SEP 10 2014 15:00</b> |
|                  | <b>RECEIVED SEP 10 2014</b>                  |                       | HPC & FS Date & Time Incubated:                 |
|                  | <b>SEP 10 2014</b>                           | <b>22.4</b>           |   |

|                             |       |
|-----------------------------|-------|
| Township/Town               | 0     |
| Systems Health Unit         | RMDHD |
| Total # of pages sent       |       |
| # of samples sent this page |       |
| # of samples fcyd this page | 2     |

Date Sampled: 20140910

Collected By: **CHUCK WILKINSON**

Signature: *[Signature]*

Name of Facility: **Washago Sector**

Drinking Water System (DWS) # **Washago Sector**

(As Assigned By MOE/MOHLTC) Please See Below

Submitted By: **CHUCK WILKINSON**

(Please Print) Signature: *[Signature]*

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: **2023 Kirkfield Road Kirkfield, ON, K0M 2B0**

Telephone: **705 438-3153** Ext:

Fax: **705-438-5201 + Scan & Email**

Email Address: **chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca**

"Live Person" After Hours Contact Name and Tel. No: **Chuck Wilkinson 705-887-8390**

| Time Sampled (indicate AM/PM with 12-hour clock or use 24-hour clock) | Sampling Location (Describe the location AND indicate an appropriate letter classification. (D) Distribution - Consumed (R) Raw - Before Treatment & Not Consumed (E) Point of Entry - Consumed (RWC) Raw Water - Consumed without Treatment | Requires Notification as per SDWA 2002: (Please check one) | Temp. of Sample (Indicate °F or °C) | Treatment Information - Indicate Type/Chlorine Levels |                                 |           | Additional Parameter Please Check if Required | Laboratory Number | Total Coliform CFU/100 ml | E. coli CFU/100 ml | Background CFU/100 ml | HPC CFU/1 ml | Faecal Strep. CFU/100 ml |
|---|--|--|-------------------------------------|---|---------------------------------|-----------|---|-------------------|---------------------------|--------------------|-----------------------|--------------|--------------------------|
|   |  |  |                                     | UV  | Operational/Field Chlorine mg/L | Free mg/L |   |                   |                           |                    |                       |              |                          |
| 12:40   | Bridge 57<br>1641 Peninsula Pt. Rd. (D)  | 170/03   | 318/08                              | 319/08  | N/A                             |           | 01537   |                   |                           |                    |                       |              |                          |
| 1:45  | Washago Shop<br>3321 Bond St. (D)  |  |                                     |   |                                 |           | 01538   |                   |                           |                    |                       |              |                          |

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FOR LABORATORY USE ONLY / LABORATORY COMMENTS

Analysis Date & Time: **SEP 11 2014 14:00** Enumerated By: **GN** Audited By: **A** Methodology (COAL Endo - COAL DC): **MIF CFU/100ml**

Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL HPC): **SP CFU/1ml, Methodology (COAL MIF CFU/100ml)**

Lab No: \_\_\_\_\_ Reported to Submitting Agency @ \_\_\_\_\_ SAC @ \_\_\_\_\_ By: **Page 2 of 3**

Transcribed By: \_\_\_\_\_ Transcription Verified By: \_\_\_\_\_ Report Authorized By: \_\_\_\_\_ MOE/MOHLTC Upload: \_\_\_\_\_ Invoiced: \_\_\_\_\_

**FA X E D**  
**SCANNED & EMAILED**  
**SEP 11 2014**  
**-09-11 2014**

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg. 170/03 and O. Reg. 318/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOHLTC/Waterworks for O. Reg. 170/03 and to MOHLTC/MOHW/Waterworks for O. Reg. 318/08; 319/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies: 705-323-2828 (Surcharge for after hours samples)

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**  
 4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

|                              |       |
|------------------------------|-------|
| Township/Town                |       |
| Systems Health Unit          | 0     |
| Total # of pages sent        | RMDHD |
| # of samples sent this page  |       |
| # of samples rec'd this page |       |

Date Sampled: 2014 09 10  
 Collected By: *Chuck Wilkinson*  
 Signature: *Chuck Wilkinson*  
 Name of Facility: Kirkfield Sector  
 Drinking Water System (DWS) # \_\_\_\_\_  
 (As Assigned By MOE/MOHLTC) Please See See Below  
 Submitted By: *Chuck Wilkinson*  
 Signature: *Chuck Wilkinson*

FOR LAB USE

Date/Time/Temp. (°C) Received: Initials of Receiver: **SEP 10 2014 15:00**

RECEIVED 14:05 22.4

HPC & FS Date & Time Incubated:

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson  
 Address: 2023 Kirkfield Road Kirkfield, ON, K0M 2B0  
 Telephone: 705 438-3153 Ext: \_\_\_\_\_ Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Comments/Conditions:

| Time Sampled (Indicate AM/PM with 12 hour clock or use 24-hour clock) | Sampling Location (Describe the location AND indicate an appropriate letter classification. (D) Distribution - Consumed (R) Raw - Before Treatment & Not Consumed (E) Point of Entry - Consumed (RW) Raw Water - Consumed without Treatment | Requires Notification as per SDWA 2002: (Please check one) | Temp. of Sample (Indicate °F or °C) | Treatment Information - Indicate Type/Chlorine Levels |           | Additional Parameter Check if Required | Laboratory Number | Background CFU/100 ml | E. coli CFU/100 ml | HPC CFU/1 ml | Faecal Strep. CFU/100 ml |
|---|---|--|-------------------------------------|---|-----------|--|-------------------|-----------------------|--------------------|--------------|--------------------------|
|   |   |  |                                     | Operational/Field Chlorine mg/L                       | Free mg/L |  |                   |                       |                    |              |                          |
| 8:15  | Bridge 44<br>34223 Mara Eidon Boundary Rd. (D)  | 17003  | 318/08                              | UV  |           |  |                   |                       |                    |              |                          |
|   | Bridge 50<br>1202 Ramara Rd. Lakeshore (D)  |  | 319/08                              |   |           |  |                   |                       |                    |              |                          |
|   | Kirkfield Shop<br>46 Talbot St. (D)   |  | N/A                                 |   |           |  |                   |                       |                    |              |                          |

All samples will be considered DISTRIBUTION samples unless otherwise indicated. Sampling Precautions: Transport water samples under refrigeration to laboratory. The samples require analysis ideally within 30 hours and must be analyzed within 48 hours of collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in those specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html. Separate bottle required for additional parameters. FS & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter. N/A = Not Received. FS and HPC require 48 hours of incubation.

FOR LABORATORY USE ONLY / LABORATORY COMMENTS

Analysis Date & Time: **SEP 11 2014 14:00** Enumerated By: *GA* Audited By: \_\_\_\_\_  
 Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_  
 Lab No: \_\_\_\_\_ Reported to Submitting Agency @ \_\_\_\_\_ SAC @ \_\_\_\_\_ AWQI# \_\_\_\_\_ By: \_\_\_\_\_  
 Transcribed By: \_\_\_\_\_ Transcription Verified By: \_\_\_\_\_  
 Report Authorized By: \_\_\_\_\_  
 MOE/MOHLTC Upload: \_\_\_\_\_ Invoiced: \_\_\_\_\_

Methodology (COAL Endo - COAL DC): M/F CFU/100ml  
 Methodology (COAL HPC): SP CFU/1ml; Methodology (COAL FS): M/F CFU/100ml  
 Date: **SEP 11 2014** Page: **3 of 3** BY: \_\_\_\_\_

Methodology (COAL Endo - COAL DC): M/F CFU/100ml  
 Methodology (COAL HPC): SP CFU/1ml; Methodology (COAL FS): M/F CFU/100ml  
 Date: **SEP 11 2014** Page: **3 of 3** BY: \_\_\_\_\_

Pre-Fax Check By: *[Signature]*

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg. 170/03 and O. Reg. 319/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOHLTC and to MOHLTC/MOH/Waterworks for O. Reg. 319/08, 319/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)

Approved for use by T.J. prior to use.

Primary Report, PITA 101, 1206, Revision 1.2  
 Page 1 of 1

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-09-24 15:30 |
| 2014-09-24 14:50      | 16.7               | AF        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-09-24  
 Collected By: Chuck Wilkinson  
 Name of Facility: Washago Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |        |
|-----------------------|--------|
| Twp/Town              |        |
| Systems Health Unit   | SMDHU  |
| Regulation            | 318/08 |
| Total # of pages sent | 2      |
| # of samples sent     | 6      |
| # of samples received | 6      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

**Conditions/Comments**

| Time Sampled   | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|----------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Lock 42</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 01:50          |                   | 2597 Bonsor Rd.                   | D          |                         |                       |       |                              |                             | 018582            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Lock 43</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:30          |                   | 19 SR 409 Unit 1                  | D          |                         |                       |       |                              |                             | 018583            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Lock 44</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:30          |                   | 7001 Upper Big Chute Rd.          | D          |                         |                       |       |                              |                             | 018584            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Lock 45</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:00          |                   | 175 Port Severn Rd. N.            | D          |                         |                       |       |                              |                             | 018585            | 0              | 0          | 0       |            |            |            |     |          |

**All samples will be considered DISTRIBUTION samples unless otherwise indicated.**  
**All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).**  
 Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.  
 COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.  
 For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2014-09-25 14:30 Enumerated By: GD Audited By: LJ Methodology: M/F CFU/100ml  
 Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: AB Authorized & Rechecked By: TJ/JT Copy Released By: LJ/AB/HM/CAB  
 Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

| Test Methodology and Detection Limit |           |                 |                             |                          |      |                                  |                |
|--------------------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)             | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated)           | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



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**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2014-09-24 15:30 |
| 2014-09-24 14:50      | 16.7               | AF        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2014-09-24  
 Collected By: Chuck Wilkinson  
 Name of Facility: Washago Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | SMDHU          |
| Regulation            | N/A            |
| Total # of pages sent | 2              |
| # of samples sent     | 6              |
| # of samples received | 6              |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

**Conditions/Comments**

| Time Sampled        | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              | Laboratory Number | Total Coliform              |     | E. coli    |     | Background |     | HPC        |     |
|---------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-------------------|-----------------------------|-----|------------|-----|------------|-----|------------|-----|
|                     |                   |                                   |            |                         | J.V.                  | Other | Total Cl <sub>2</sub> (mg/L) |                   | Free Cl <sub>2</sub> (mg/L) | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< |
| <b>Bridge 57</b>    |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 01:35               |                   | 1641 Peninsula Pt. Rd.            | D          |                         |                       |       |                              | 018586            | 0                           | 0   | 0          |     |            |     |            |     |
| <b>Washago Shop</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 02:10               |                   | 3321 Bond St.                     | D          |                         |                       |       |                              | 018587            | 0                           | 0   | 0          |     |            |     |            |     |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

N/R = Not Received

F.S. and HPC require 48 hours of incubation

Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2014-09-25 14:30 Enumerated By: GD Audited By: LJ Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: AB

Authorized & Rechecked By: TJ/JT

Copy Released By: LJ/AB/HM/CAB

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

**Test Methodology and Detection Limit**

|                            |           |                 |                             |                          |      |                                  |                |
|----------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)   | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated) | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                    | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                        | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus       | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

10-October-2015

**Trent-Severn Waterway (Haliburton Sector)**

Attn : Greg Cooper

**Date Rec. :** 07 October 2015  
**LR Report:** CA14129-OCT15

PO Box 249  
Haliburton, ON  
K0M 1S0,

**Copy:** #1

Phone: 705-457-2632 or 705-854-0598 (cell)  
Fax:705-457-3433

# CERTIFICATE OF ANALYSIS

## Final Report

| Analysis                        | 1:<br>Analysis<br>Start Date | 2:<br>Analysis<br>Start Time | 3:<br>Analysis<br>Approval<br>Date | 4:<br>Analysis<br>Approval<br>Time | 5:<br>MAC | 6:<br>MDL | 7:<br>NR Kitchen Sink |
|---------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------------|-----------|-----------|-----------------------|
| Sample Date & Time              |                              |                              |                                    |                                    |           |           | 06-Oct-15 16:30       |
| Temperature Upon Receipt [°C]   | ---                          | ---                          | ---                                | ---                                | ---       | ---       | 18.0                  |
| Nitrite (as N) [mg/L]           | 08-Oct-15                    | 22:33                        | 09-Oct-15                          | 15:26                              | 1         | 0.003     | <0.003                |
| Nitrate (as N) [mg/L]           | 08-Oct-15                    | 22:33                        | 09-Oct-15                          | 15:26                              | 10        | 0.006     | 0.911                 |
| Nitrate + Nitrite (as N) [mg/L] | 08-Oct-15                    | 22:33                        | 09-Oct-15                          | 15:26                              | 10        | 0.006     | 0.911                 |
| Total Coliform [cfu/100mL]      | 07-Oct-15                    | 11:10                        | 08-Oct-15                          | 11:58                              | 0         | ---       | 0                     |
| E. Coli [cfu/100mL]             | 07-Oct-15                    | 11:10                        | 08-Oct-15                          | 11:58                              | 0         | ---       | 0                     |

MAC - Maximum Acceptable Concentration

MDL - SGS Method Detection Limit

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - KOL 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

09-July-2015

**Trent-Severn Waterway (Haliburton Sector)**

Attn : Greg Cooper

**Date Rec. :** 08 July 2015  
**LR Report:** CA14212-JUL15

PO Box 249  
Haliburton, ON  
K0M 1S0,

**Copy:** #1

Phone: 705-457-2632 or 705-854-0598 (cell)  
Fax:705-457-3433

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 08-Jul-15                | 08-Jul-15         |
| 2: Analysis Start Time    |                    | ---                         | 12:20                    | 12:20             |
| 3: Analysis Approval Date |                    | ---                         | 09-Jul-15                | 09-Jul-15         |
| 4: Analysis Approval Time |                    | ---                         | 14:59                    | 14:59             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Kitchen Sink        | 07-Jul-15 15:45    | 22.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical





**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

26-February-2015

**Trent-Severn Waterway (Haliburton Sector)**

Attn : Greg Cooper

**Date Rec. :** 20 February 2015  
**LR Report:** CA14346-FEB15

PO Box 249  
Haliburton, ON  
K0M 1S0,

**Copy:** #1

Phone: 705-457-2632 or 705-854-0598 (cell)  
Fax:705-457-3433

# CERTIFICATE OF ANALYSIS

## Final Report

| Analysis                        | 1:<br>Analysis<br>Start Date | 2:<br>Analysis Start<br>Time | 3:<br>Analysis<br>Approval<br>Date | 4:<br>Analysis<br>Approval<br>Time | 5:<br>MAC | 7:<br>MDL | 8:<br>NR Office Kitchen |
|---------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------------|-----------|-----------|-------------------------|
| Sample Date & Time              |                              |                              |                                    |                                    |           |           | 19-Feb-15 16:03         |
| Temperature Upon Receipt [°C]   | ---                          | ---                          | ---                                | ---                                | ---       | ---       | 17.0                    |
| Total Coliform [cfu/100mL]      | 20-Feb-15                    | 10:50                        | 23-Feb-15                          | 10:06                              | 0         | ---       | 0                       |
| E. Coli [cfu/100mL]             | 20-Feb-15                    | 10:50                        | 23-Feb-15                          | 10:06                              | 0         | ---       | 0                       |
| Nitrite (as N) [mg/L]           | 24-Feb-15                    | 16:59                        | 25-Feb-15                          | 08:26                              | 1         | 0.003     | 0.003 <MDL              |
| Nitrate (as N) [mg/L]           | 24-Feb-15                    | 16:59                        | 25-Feb-15                          | 08:26                              | 10        | 0.006     | 1.75                    |
| Nitrate + Nitrite (as N) [mg/L] | 24-Feb-15                    | 16:59                        | 25-Feb-15                          | 08:26                              | 10        | 0.006     | 1.75                    |
| Lead [ug/L]                     | 24-Feb-15                    | 15:40                        | 26-Feb-15                          | 07:57                              | 10        | 0.01      | 0.59                    |

MAC - Maximum Acceptable Concentration

MDL - SGS Method Detection Limit

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

27-November-2015

**Trent-Severn Waterway (Haliburton Sector)**

Attn : Greg Cooper

**Date Rec. :** 26 November 2015  
**LR Report:** CA14535-NOV15

PO Box 249  
Haliburton, ON  
K0M 1S0,

**Copy:** #1

Phone: 705-457-2632 or 705-854-0598 (cell)  
Fax:705-457-3433

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 26-Nov-15                | 26-Nov-15         |
| 2: Analysis Start Time    |                    | ---                         | 12:50                    | 12:50             |
| 3: Analysis Approval Date |                    | ---                         | 27-Nov-15                | 27-Nov-15         |
| 4: Analysis Approval Time |                    | ---                         | 11:27                    | 11:27             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Haliburton          | 25-Nov-15 16:10    | 20.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

03-June-2015

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 01 June 2015  
**LR Report:** CA14034-JUN15

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 01-Jun-15                | 01-Jun-15         |
| 2: Analysis Start Time    |                    | ---                         | 15:20                    | 15:20             |
| 3: Analysis Approval Date |                    | ---                         | 03-Jun-15                | 03-Jun-15         |
| 4: Analysis Approval Time |                    | ---                         | 15:00                    | 15:00             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock #22            | 01-Jun-15 12:52    | 17.0                        | 0                        | 0                 |
| 7: NR Lock #23            | 01-Jun-15 13:00    | 17.0                        | 0                        | 0                 |
| 8: NR Lock #24            | 01-Jun-15 10:09    | 17.0                        | 0                        | 0                 |
| 9: NR Lock #25            | 01-Jun-15 13:10    | 17.0                        | 0                        | 0                 |
| 10: NR Lock #27           | 01-Jun-15 10:44    | 17.0                        | 0                        | 0                 |
| 11: NR Lock #28           | 01-Jun-15 11:07    | 17.0                        | 0                        | 0                 |
| 12: NR Lock #30           | 01-Jun-15 10:10    | 17.0                        | 0                        | 0                 |
| 13: NR Lock #31           | 01-Jun-15 11:26    | 17.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

10-October-2015

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 08 October 2015  
**LR Report:** CA14172-OCT15

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 08-Oct-15                | 08-Oct-15         |
| 2: Analysis Start Time    |                    | ---                         | 13:25                    | 13:25             |
| 3: Analysis Approval Date |                    | ---                         | 09-Oct-15                | 09-Oct-15         |
| 4: Analysis Approval Time |                    | ---                         | 13:23                    | 13:23             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock #22            | 08-Oct-15 12:13    | 12.0                        | 0                        | 0                 |
| 7: NR Lock #23            | 08-Oct-15 12:17    | 12.0                        | 0                        | 0                 |
| 8: NR Lock #24            | 08-Oct-15 12:03    | 12.0                        | 0                        | 0                 |
| 9: NR Lock #27            | 08-Oct-15 11:22    | 12.0                        | 0                        | 0                 |
| 10: NR Lock #28           | 08-Oct-15 10:33    | 12.0                        | 0                        | 0                 |
| 11: NR Lock #30           | 08-Oct-15 11:00    | 12.0                        | 0                        | 0                 |
| 12: NR Lock #31           | 08-Oct-15 10:05    | 12.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
**Kimberley Didsbury**  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

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10-August-2015

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 07 August 2015  
**LR Report:** CA14185-AUG15

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 07-Aug-15                | 07-Aug-15         |
| 2: Analysis Start Time    |                    | ---                         | 15:00                    | 15:00             |
| 3: Analysis Approval Date |                    | ---                         | 10-Aug-15                | 10-Aug-15         |
| 4: Analysis Approval Time |                    | ---                         | 10:08                    | 10:08             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock #31 Buckhorn   | 07-Aug-15 11:44    | 18.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



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Lakefield - Ontario - K0L 2H0  
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14-May-2015

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 12 May 2015  
**LR Report:** CA14306-MAY15

PO Box 567  
Peterborough, ON  
K9J 6Z6,

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Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 13-May-15                | 13-May-15         |
| 2: Analysis Start Time    |                    | ---                         | 08:20                    | 08:20             |
| 3: Analysis Approval Date |                    | ---                         | 14-May-15                | 14-May-15         |
| 4: Analysis Approval Time |                    | ---                         | 12:24                    | 12:24             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock #22            | 12-May-15 14:46    | 12.0                        | 0                        | 0                 |
| 7: NR Lock #23            | 12-May-15 13:31    | 12.0                        | 0                        | 0                 |
| 8: NR Lock #24            | 12-May-15 16:17    | 12.0                        | 0                        | 0                 |
| 9: NR Lock #25            | 12-May-15 13:49    | 12.0                        | 0                        | 0                 |
| 10: NR Lock #27           | 12-May-15 15:30    | 12.0                        | 0                        | 0                 |
| 11: NR Lock #28           | 12-May-15 15:30    | 12.0                        | 0                        | 0                 |
| 12: NR Lock #31           | 12-May-15 09:45    | 12.0                        | 0                        | 0                 |
| 13: NR Lock #30           | 12-May-15 15:30    | 12.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

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15-July-2015

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 13 July 2015  
**LR Report:** CA14307-JUL15

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 13-Jul-15                | 13-Jul-15         |
| 2: Analysis Start Time    |                    | ---                         | 14:50                    | 14:50             |
| 3: Analysis Approval Date |                    | ---                         | 15-Jul-15                | 15-Jul-15         |
| 4: Analysis Approval Time |                    | ---                         | 08:15                    | 08:15             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock #22            | 13-Jul-15 11:51    | 17.0                        | 0                        | 0                 |
| 7: NR Lock #23            | 13-Jul-15 12:16    | 17.0                        | 0                        | 0                 |
| 8: NR Lock #24            | 13-Jul-15 12:30    | 17.0                        | 0                        | 0                 |
| 9: NR Lock #25            | 13-Jul-15 12:47    | 17.0                        | 0                        | 0                 |
| 10: NR Lock #27           | 13-Jul-15 11:15    | 17.0                        | 0                        | 0                 |
| 11: NR Lock #28           | 13-Jul-15 11:03    | 17.0                        | 0                        | 0                 |
| 12: NR Lock #30           | 12-Jul-15 17:25    | 17.0                        | 0                        | 0                 |
| 13: NR Lock #31           | 13-Jul-15 10:36    | 17.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

**Patti Stark**  
*Project Specialist Environmental Services,  
Analytical*



**SGS Canada Inc.**

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17-August-2015

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 12 August 2015  
**LR Report:** CA14332-AUG15

PO Box 567  
Peterborough, ON  
K9J 6Z6,

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Phone: 705-750-4130  
Fax:705-750-4140

## CERTIFICATE OF ANALYSIS

### Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 12-Aug-15                | 12-Aug-15         |
| 2: Analysis Start Time    |                    | ---                         | 17:50                    | 17:50             |
| 3: Analysis Approval Date |                    | ---                         | 14-Aug-15                | 14-Aug-15         |
| 4: Analysis Approval Time |                    | ---                         | 08:44                    | 08:44             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock #22            | 12-Aug-15 10:30    | 24.0                        | 0                        | 0                 |
| 7: NR Lock #23            | 12-Aug-15 10:38    | 24.0                        | 0                        | 0                 |
| 8: NR Lock #24            | 12-Aug-15 10:51    | 24.0                        | 0                        | 0                 |
| 9: NR Lock #25            | 12-Aug-15 11:05    | 24.0                        | 0                        | 0                 |
| 10: NR Lock #27           | 12-Aug-15 12:40    | 24.0                        | 0                        | 0                 |
| 11: NR Lock #28           | 12-Aug-15 12:11    | 24.0                        | 0                        | 0                 |
| 12: NR Lock #31           | 12-Aug-15 11:47    | 24.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Carrie Greenlaw  
Project Specialist  
Environmental Services, Analytical





**SGS Canada Inc.**

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19-May-2015

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 15 May 2015  
**LR Report:** CA14400-MAY15

PO Box 567  
Peterborough, ON  
K9J 6Z6,

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Fax:705-750-4140

## CERTIFICATE OF ANALYSIS

### Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 15-May-15                | 15-May-15         |
| 2: Analysis Start Time    |                    | ---                         | 11:45                    | 11:45             |
| 3: Analysis Approval Date |                    | ---                         | 19-May-15                | 19-May-15         |
| 4: Analysis Approval Time |                    | ---                         | 09:17                    | 09:17             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock #30            | 14-May-15 10:35    | 6.0                         | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

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19-May-2015

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 15 May 2015  
**LR Report:** CA14416-MAY15

PO Box 567  
Peterborough, ON  
K9J 6Z6,

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Fax:705-750-4140

## CERTIFICATE OF ANALYSIS

### Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 15-May-15                | 15-May-15         |
| 2: Analysis Start Time    |                    | ---                         | 15:40                    | 15:40             |
| 3: Analysis Approval Date |                    | ---                         | 19-May-15                | 19-May-15         |
| 4: Analysis Approval Time |                    | ---                         | 09:29                    | 09:29             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR - Lock #22          | 15-May-15 14:37    | 18.0                        | 0                        | 0                 |
| 7: NR - Lock #24          | 15-May-15 13:40    | 18.0                        | 0                        | 0                 |
| 8: NR - Lock #25          | 15-May-15 13:16    | 18.0                        | 0                        | 0                 |
| 9: NR - Lock #27          | 15-May-15 12:54    | 18.0                        | 0                        | 0                 |
| 10: NR - Lock #28         | 15-May-15 11:10    | 18.0                        | 0                        | 0                 |
| 11: NR - Lock #31         | 15-May-15 11:38    | 18.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

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16-June-2015

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 15 June 2015  
**LR Report:** CA14442-JUN15

PO Box 567  
Peterborough, ON  
K9J 6Z6,

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Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 15-Jun-15                | 15-Jun-15         |
| 2: Analysis Start Time    |                    | ---                         | 14:40                    | 14:40             |
| 3: Analysis Approval Date |                    | ---                         | 16-Jun-15                | 16-Jun-15         |
| 4: Analysis Approval Time |                    | ---                         | 15:05                    | 15:05             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock #22            | 15-Jun-15 12:19    | 18.0                        | 0                        | 0                 |
| 7: NR Lock #23            | 15-Jun-15 12:10    | 18.0                        | 0                        | 0                 |
| 8: NR Lock #24            | 15-Jun-15 12:50    | 18.0                        | 0                        | 0                 |
| 9: NR Lock #25            | 15-Jun-15 12:39    | 18.0                        | 0                        | 0                 |
| 10: NR Lock #27           | 15-Jun-15 11:41    | 18.0                        | 0                        | 0                 |
| 11: NR Lock #28           | 15-Jun-15 11:25    | 18.0                        | 0                        | 0                 |
| 12: NR Lock #31           | 15-Jun-15 11:07    | 18.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

21-May-2015

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 19 May 2015  
**LR Report:** CA14465-MAY15

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 19-May-15                | 19-May-15         |
| 2: Analysis Start Time    |                    | ---                         | 15:25                    | 15:25             |
| 3: Analysis Approval Date |                    | ---                         | 21-May-15                | 21-May-15         |
| 4: Analysis Approval Time |                    | ---                         | 09:12                    | 09:12             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock #23            | 19-May-15 11:45    | 20.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
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18-June-2015

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 16 June 2015  
**LR Report:** CA14488-JUN15

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 16-Jun-15                | 16-Jun-15         |
| 2: Analysis Start Time    |                    | ---                         | 15:40                    | 15:40             |
| 3: Analysis Approval Date |                    | ---                         | 18-Jun-15                | 18-Jun-15         |
| 4: Analysis Approval Time |                    | ---                         | 10:21                    | 10:21             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock 30-Lovesick    | 15-Jun-15 12:40    | 11.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

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Lakefield - Ontario - KOL 2H0  
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25-September-2015

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 24 September 2015  
**LR Report:** CA14555-SEP15

PO Box 567  
Peterborough, ON  
K9J 6Z6,

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Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 24-Sep-15                | 24-Sep-15         |
| 2: Analysis Start Time    |                    | ---                         | 14:45                    | 14:45             |
| 3: Analysis Approval Date |                    | ---                         | 25-Sep-15                | 25-Sep-15         |
| 4: Analysis Approval Time |                    | ---                         | 13:44                    | 13:44             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock #22            | 24-Sep-15 10:35    | 17.0                        | 0                        | 0                 |
| 7: NR Lock #23            | 24-Sep-15 10:41    | 17.0                        | 0                        | 0                 |
| 8: NR Lock #24            | 24-Sep-15 10:50    | 17.0                        | 0                        | 0                 |
| 9: NR Lock #25            | 24-Sep-15 11:00    | 17.0                        | 0                        | 0                 |
| 10: NR Lock #27           | 24-Sep-15 11:25    | 17.0                        | 0                        | 0                 |
| 11: NR Lock #28           | 24-Sep-15 11:41    | 17.0                        | 0                        | 0                 |
| 12: NR Lock #31           | 24-Sep-15 12:07    | 17.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - KOL 2H0  
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29-July-2015

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

Date Rec. : 27 July 2015  
LR Report: CA14744-JUL15

PO Box 567  
Peterborough, ON  
K9J 6Z6,

Copy: #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 27-Jul-15                | 27-Jul-15         |
| 2: Analysis Start Time    |                    | ---                         | 15:10                    | 15:10             |
| 3: Analysis Approval Date |                    | ---                         | 28-Jul-15                | 28-Jul-15         |
| 4: Analysis Approval Time |                    | ---                         | 13:45                    | 13:45             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR - Lock 22           | 27-Jul-15 12:35    | 23.0                        | 0                        | 0                 |
| 7: NR - Lock 23           | 27-Jul-15 12:46    | 23.0                        | 0                        | 0                 |
| 8: NR - Lock 24           | 27-Jul-15 12:54    | 23.0                        | 0                        | 0                 |
| 9: NR - Lock 25           | 27-Jul-15 13:22    | 23.0                        | 0                        | 0                 |
| 10: NR - Lock 27          | 27-Jul-15 11:52    | 23.0                        | 0                        | 0                 |
| 11: NR - Lock 28          | 27-Jul-15 11:38    | 23.0                        | 0                        | 0                 |
| 12: NR - Lock 30          | 27-Jul-15 09:35    | 23.0                        | 0                        | 0                 |
| 13: NR - Lock 31          | 27-Jul-15 11:08    | 23.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - KOL 2H0  
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02-July-2015

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 29 June 2015  
**LR Report:** CA14827-JUN15

PO Box 567  
Peterborough, ON  
K9J 6Z6,

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Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 29-Jun-15                | 29-Jun-15         |
| 2: Analysis Start Time    |                    | ---                         | 15:35                    | 15:35             |
| 3: Analysis Approval Date |                    | ---                         | 02-Jul-15                | 02-Jul-15         |
| 4: Analysis Approval Time |                    | ---                         | 08:33                    | 08:33             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock #22            | 29-Jun-15 10:56    | 16.0                        | 0                        | 0                 |
| 7: NR Lock #23            | 29-Jun-15 11:13    | 16.0                        | 0                        | 0                 |
| 8: NR Lock #24            | 29-Jun-15 11:30    | 16.0                        | 0                        | 0                 |
| 9: NR Lock #25            | 29-Jun-15 11:47    | 16.0                        | 0                        | 0                 |
| 10: NR Lock #27           | 29-Jun-15 12:03    | 16.0                        | 0                        | 0                 |
| 11: NR Lock #28           | 29-Jun-15 13:00    | 16.0                        | 0                        | 0                 |
| 12: NR Lock #30           | 28-Jun-15 16:15    | 16.0                        | 0                        | 0                 |
| 13: NR Lock #31           | 29-Jun-15 13:20    | 16.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
**Kimberley Didsbury**  
Project Specialist  
Environmental Services, Analytical





**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - KOL 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

25-August-2015

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 24 August 2015  
**LR Report:** CA14632-AUG15

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL | Nitrite (as N) mg/L | Nitrate (as N) mg/L | Nitrate + Nitrite (as N) mg/L |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|---------------------|---------------------|-------------------------------|
| 1: Analysis Start Date    |                    | ---                         | 24-Aug-15                | 24-Aug-15         | 24-Aug-15           | 24-Aug-15           | 24-Aug-15                     |
| 2: Analysis Start Time    |                    | ---                         | 14:40                    | 14:40             | 17:41               | 17:41               | 17:41                         |
| 3: Analysis Approval Date |                    | ---                         | 25-Aug-15                | 25-Aug-15         | 25-Aug-15           | 25-Aug-15           | 25-Aug-15                     |
| 4: Analysis Approval Time |                    | ---                         | 15:13                    | 15:13             | 15:49               | 15:49               | 15:49                         |
| 5: MAC                    |                    | ---                         | 0                        | 0                 | 0.003 <MDL          | 0.006 <MDL          | 0.006 <MDL                    |
| 6: NR - Lock 22           | 24-Aug-15 11:46    | 33.0                        | 0                        | 0                 | <0.003              | 0.030               | 0.030                         |
| 7: NR - Lock 23           | 24-Aug-15 11:40    | 33.0                        | 0                        | 0                 | <0.003              | 0.091               | 0.091                         |
| 8: NR - Lock 24           | 24-Aug-15 11:18    | 33.0                        | 0                        | 0                 | <0.003              | <0.006              | <0.006                        |
| 9: NR - Lock 25           | 24-Aug-15 11:06    | 33.0                        | 0                        | 0                 | <0.003              | 0.132               | 0.132                         |
| 10: NR - Lock 27          | 24-Aug-15 10:07    | 33.0                        | 0                        | 0                 | <0.003              | <0.006              | <0.006                        |
| 11: NR - Lock 28          | 24-Aug-15 09:48    | 33.0                        | 0                        | 0                 | 0.004               | 0.048               | 0.052                         |
| 12: NR - Lock 30          | 24-Aug-15 09:30    | 33.0                        | 0                        | 0                 | ---                 | ---                 | ---                           |
| 13: NR - Lock 31          | 24-Aug-15 09:19    | 33.0                        | 0                        | 0                 | <0.003              | 0.072               | 0.072                         |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
[www.coalab.ca](http://www.coalab.ca)

**Final Certificate of Chemical Analysis of Water**

|                       |                    |           |                             |       |
|-----------------------|--------------------|-----------|-----------------------------|-------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Lead Preserved: | Tech: |
| 2015-10-09 12:20      | 5.0                | AB        | 2015-10-09 12:29            | SC    |

Date Sampled: 2015-10-09

Collected By: Chuck Wilkinson

Name of Facility: Kirkfield Sector

**Drinking Water System (DWS) #** Please See Below

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | HKPRDHU        |
| Regulation            | 319/08         |
| Total # of pages sent | 3              |
| # of samples sent     | 3              |
| # of samples received | 3              |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: \_\_\_\_\_ Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

**Conditions/Comments**

| Time Sampled                        | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Laboratory Number | Lead |      | Turbidity NTU | Alkalinity |                           | pH (at 25°C) |  |  |
|-------------------------------------|-------------------|-----------------------------------|------------|-------------------------|-------------------|------|------|---------------|------------|---------------------------|--------------|--|--|
|                                     |                   |                                   |            |                         |                   | >/<  | µg/L |               | >/<        | mg/L as CaCO <sub>3</sub> |              |  |  |
| <b>Kirkfield Lock 36 #835J66E39</b> |                   |                                   |            |                         |                   |      |      |               |            |                           |              |  |  |
| 08:30                               |                   | 2023 Kirkfield Rd.                | D          |                         | L-164             |      | 2.82 |               |            |                           |              |  |  |
|                                     |                   |                                   |            |                         |                   |      |      |               |            |                           |              |  |  |
|                                     |                   |                                   |            |                         |                   |      |      |               |            |                           |              |  |  |
|                                     |                   |                                   |            |                         |                   |      |      |               |            |                           |              |  |  |
|                                     |                   |                                   |            |                         |                   |      |      |               |            |                           |              |  |  |
|                                     |                   |                                   |            |                         |                   |      |      |               |            |                           |              |  |  |

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific inorganic and physical parameters. Raw = R  
 COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. Distribution = D  
 For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html) Point of Entry = E  
 N/R = Not Received N/A = Not Applicable Raw Water Consumed = RWC

Lead Analysis Date & Time: 2015-12-04 Analyzed By: Caduceon Audited By: LJ Methodology: AA µg/L

Turbidity Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology: Nephelometric NTU

Total Alkalinity Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology: Digital Titration mg/L as CaCO<sub>3</sub>

pH Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology: Electrometric pH

Transcribed By: SS Authorized & Rechecked By: LJ/TJ Copy Released By: LJ/AB

Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

| Test Methodology and Detection Limit | COAL AA  | Detection Limit | 1.00 µg/L   | Reportable Limit: | 10.0 µg/L | Methodology: | Graphite Furnace Atomic Absorption |
|--------------------------------------|----------|-----------------|-------------|-------------------|-----------|--------------|------------------------------------|
| Lead                                 | COAL AA  | Detection Limit | 1.00 µg/L   | Reportable Limit: | 10.0 µg/L | Methodology: | Graphite Furnace Atomic Absorption |
| pH                                   | COAL pH  | Detection Limit | 4 - 10      | Reportable Limit: | N/A       | Methodology: | Electrometric                      |
| Total Alkalinity                     | COAL AIK | Detection Limit | 10 - 4000   | Reportable Limit: | N/A       | Methodology: | Digital Titrator                   |
| Turbidity                            | COAL T   | Detection Limit | 0.10 - 40.0 | Reportable Limit: | N/A       | Methodology: | Nephelometric                      |

Approved for use by TJ prior to use.



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 Orillia, ON L3V 6H4  
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 www.coalab.ca

**Final Certificate of Chemical Analysis of Water**

|                       |                    |           |                             |       |
|-----------------------|--------------------|-----------|-----------------------------|-------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Lead Preserved: | Tech: |
| 2015-10-09 12:20      | 5.0                | AB        | 2015-10-09 12:29            | SC    |

Date Sampled: 2015-10-09  
 Collected By: Chuck Wilkinson  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHU          |
| Regulation            | 318/08         |
| Total # of pages sent | 3              |
| # of samples sent     | 3              |
| # of samples received | 3              |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

**Conditions/Comments**

| Time Sampled          | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Laboratory Number | Lead |      | Turbidity NTU | Alkalinity |                           | pH (at 25°C) |  |  |
|-----------------------|-------------------|-----------------------------------|------------|-------------------------|-------------------|------|------|---------------|------------|---------------------------|--------------|--|--|
|                       |                   |                                   |            |                         |                   | >/<  | µg/L |               | >/<        | mg/L as CaCO <sub>3</sub> |              |  |  |
| <b>Thorah Lock 40</b> |                   |                                   |            |                         |                   |      |      |               |            |                           |              |  |  |
| 11:05                 |                   | 33245 Durham Rd.                  | D          |                         | L-165             | <    | 1.00 |               |            |                           |              |  |  |

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 For collection and handling procedures visit www.coalab.ca/watersamples.html  
 N/R = Not Received N/A = Not Applicable

Raw = R  
 Distribution = D  
 Point of Entry = E  
 Raw Water Consumed = RWC

Lead Analysis Date & Time: 2015-12-04 Analyzed By: Caduceon Audited By: LJ Methodology: AA µg/L

Turbidity Analysis Date & Time: Analyzed By: Audited By: Methodology: Nephelometric NTU

Total Alkalinity Analysis Date & Time: Analyzed By: Audited By: Methodology: Digital Titration mg/L as CaCO<sub>3</sub>

pH Analysis Date & Time: Analyzed By: Audited By: Methodology: Electrometric pH

Transcribed By: SS Authorized & Rechecked By: LJ/TJ Copy Released By: LJ/AB

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

**Test Methodology and Detection Limit**

|                  |          |                 |             |                   |           |              |                                    |
|------------------|----------|-----------------|-------------|-------------------|-----------|--------------|------------------------------------|
| Lead             | COAL AA  | Detection Limit | 1.00 µg/L   | Reportable Limit: | 10.0 µg/L | Methodology: | Graphite Furnace Atomic Absorption |
| pH               | COAL pH  | Detection Limit | 4 - 10      | Reportable Limit: | N/A       | Methodology: | Electrometric                      |
| Total Alkalinity | COAL Alk | Detection Limit | 10 - 4000   | Reportable Limit: | N/A       | Methodology: | Digital Titrator                   |
| Turbidity        | COAL T   | Detection Limit | 0.10 - 40.0 | Reportable Limit: | N/A       | Methodology: | Nephelometric                      |





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|                       |                    |           |                             |       |
|-----------------------|--------------------|-----------|-----------------------------|-------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Lead Preserved: | Tech: |
| 2015-10-09 12:20      | 5.0                | AB        | 2015-10-09 12:29            | SC    |

Date Sampled: 2015-10-09

Collected By: Chuck Wilkinson

Name of Facility: Kirkfield Sector

**Drinking Water System (DWS) #** **Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHU          |
| Regulation            | N/A            |
| Total # of pages sent | 3              |
| # of samples sent     | 3              |
| # of samples received | 3              |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

**Conditions/Comments**

| Time Sampled          | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Laboratory Number | Lead |      | Turbidity NTU | Alkalinity |                           | pH (at 25°C) |  |  |
|-----------------------|-------------------|-----------------------------------|------------|-------------------------|-------------------|------|------|---------------|------------|---------------------------|--------------|--|--|
|                       |                   |                                   |            |                         |                   | >/<  | µg/L |               | >/<        | mg/L as CaCO <sub>3</sub> |              |  |  |
| <b>Kirkfield Shop</b> |                   |                                   |            |                         |                   |      |      |               |            |                           |              |  |  |
| 08:40                 |                   | 46 Talbot St.                     | D          |                         | L-163             |      | 1.03 |               |            |                           |              |  |  |
|                       |                   |                                   |            |                         |                   |      |      |               |            |                           |              |  |  |

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N/R = Not Received N/A = Not Applicable

Raw = R  
 Distribution = D  
 Point of Entry = E  
 Raw Water Consumed = RWC

Lead Analysis Date & Time: 2015-12-04 Analyzed By: Caduceon Audited By: LJ Methodology: AA µg/L

Turbidity Analysis Date & Time: Analyzed By: Audited By: Methodology: Nephelometric NTU

Total Alkalinity Analysis Date & Time: Analyzed By: Audited By: Methodology: Digital Titration mg/L as CaCO<sub>3</sub>

pH Analysis Date & Time: Analyzed By: Audited By: Methodology: Electrometric pH

Transcribed By: SS Authorized & Rechecked By: LJ/TJ Copy Released By: LJ/AB

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

| Test Methodology and Detection Limit |          | Detection Limit | Reportable Limit: | Methodology:                       |  |
|--------------------------------------|----------|-----------------|-------------------|------------------------------------|--|
| Lead                                 | COAL AA  | 1.00 µg/L       | 10.0 µg/L         | Graphite Furnace Atomic Absorption |  |
| pH                                   | COAL pH  | 4 - 10          | N/A               | Electrometric                      |  |
| Total Alkalinity                     | COAL Alk | 10 - 4000       | N/A               | Digital Titrator                   |  |
| Turbidity                            | COAL T   | 0.10 - 40.0     | N/A               | Nephelometric                      |  |

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www.coalab.ca

**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-05-13 14:30 |
| 2015-05-13 12:25      | 14.7               | LJ        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-05-13  
Collected By: Chuck Wilkinson  
Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |         |
|-----------------------|---------|
| Twp/Town              |         |
| Systems Health Unit   | HKPRDHU |
| Regulation            | 319/08  |
| Total # of pages sent | 3       |
| # of samples sent     | 11      |
| # of samples received | 11      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

**Conditions/Comments**

| Time Sampled                         | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|--------------------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                                      |                   |                                   |            |                         | UV                    | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Rosedale Lock 35 #835J66E47</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:45                                |                   | 161 Trent Canal Rd.               | D          |                         |                       |       |                              |                             | 007708            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Kirkfield Lock 36 #835J66E39</b>  |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:00                                |                   | 2023 Kirkfield Rd.                | D          |                         |                       |       |                              |                             | 007709            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bolsover Lock 37 #835J66E21</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:45                                |                   | 92 Talbot Dr.                     | D          |                         |                       |       |                              |                             | 007710            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bolsover Bridge 43 (Reg. N/A)</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:25                                |                   | 138 Bolsover Rd.                  | D          |                         |                       |       |                              |                             | 007711            | 0              | 0          | 0       |            |            |            |     |          |

**All samples will be considered DISTRIBUTION samples unless otherwise indicated.**  
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 For collection and handling procedures visit www.coalab.ca/watersamples.html  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter NR = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2015-05-14 13:00 Enumerated By: GD Audited By: AF Methodology: M/F CFU/100ml  
 Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN Copy Released By: AB/KN/AF/TW  
 Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

| Test Methodology and Detection Limit                     | Reportable Limit: | 1    | Performed by  | Methodology    |
|--|-------------------|------|---|----------------|
| Total Coliform COAL Endo Detection Limit 0 - 80          | 1                 | 1    | Performed by Membrane Filtration                          | M/F CFU/100 ml |
| Total Coliform COAL DC Detection Limit 0 - 80            | 1                 | 1    | Performed by Membrane Filtration                          | M/F CFU/100 ml |
| E. coli COAL DC Detection Limit 0 - 60                   | 1                 | 1    | Performed by Membrane Filtration                          | M/F CFU/100 ml |
| Background COAL Endo Detection Limit 0 - 200             | >200              | >200 | Indicates Deterioration: Performed by Membrane Filtration | M/F CFU/100 ml |
| Background COAL DC Detection Limit 0 - 200               | >200              | >200 | Indicates Deterioration: Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC COAL HPC Detection Limit 10 - 2.00 x 10 <sup>3</sup> | >500              | >500 | Indicates Deterioration: Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus COAL FS Detection Limit 0 - 80      | 1                 | 1    | Performed by Membrane Filtration                          | M/F CFU/100 ml |

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**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-05-13 14:30 |
| 2015-05-13 12:25      | 14.7               | LJ        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-05-13

Collected By: Chuck Wilkinson

Name of Facility: Kirkfield Sector

Drinking Water System (DWS) # **Please See Below**

Submitted By: Chuck Wilkinson

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | 318/08         |
| Total # of pages sent | 3              |
| # of samples sent     | 11             |
| # of samples received | 11             |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

| Conditions/Comments |
|---------------------|
|                     |

| Time Sampled              | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|---------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                           |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Talbot Lock 38</b>     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:55                     |                   | 1419 Canal Rd.                    | D          |                         |                       |       |                              |                             | 007704            | 0              |            | 0       | >          | 200        |            |     |          |
| <b>Portage Lock 39</b>    |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:15                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              |                             | 007705            | 0              |            | 0       |            | 0          |            |     |          |
| <b>Thorah Lock 40</b>     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:20                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              |                             | 007706            | 0              |            | 0       |            | 10         |            |     |          |
| <b>Gamebridge Lock 41</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:50                     |                   | 33235 Durham Rd.                  | D          |                         |                       |       |                              |                             | 007707            | 0              |            | 0       | >          | 200        |            |     |          |

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For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2015-05-14 13:00 Enumerated By: GD Audited By: AF Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN Copy Released By: AB/KN/AF/TW

007704  
 Lab No. 007707 Submitting Agency @ courtesy notice Health Unit @ N/A Spills Action Centre (SAC) @ N/A AWQI # N/A By: GD Date: 2015-05-14

Test Methodology and Detection Limit

|                      |           |                 |                             |                          |      |                                  |                |
|----------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform.      | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

Approved for use by TJ prior to use.

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



4260 Burnside Line, R.R. #4  
Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
[www.coalab.ca](http://www.coalab.ca)

**Final Certificate of Microbiological Analysis of Drinking Water**

|   |                               |                 |  |
|---|-------------------------------|-----------------|--|
| Date & Time Received:<br>2015-05-13 12:25 | Temp. Rec'd.<br>(°C):<br>14.7 | Receiver:<br>LJ | Date & Time Incubated:<br>2015-05-13 14:30 |
|   |                               |                 | HPC & FS Date & Time Incubated:            |

Date Sampled: 2015-05-13  
Collected By: Chuck Wilkinson  
Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | N/A            |
| Total # of pages sent | 3              |
| # of samples sent     | 11             |
| # of samples received | 11             |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

**Conditions/ Comments** Time sampled for Bridge 50 as per Chuck 2015-05-14 @ 13:50 AF

| Time Sampled          | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|-----------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                       |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Bridge 44</b>      |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:30                 |                   | 34223 Mara Eldon Boundary Rd.     | D          |                         |                       |       |                              |                             | 007712            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bridge 50</b>      |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 12:00                 |                   | 1202 Ramara Rd. Lakeshore         | D          |                         |                       |       |                              |                             | 007713            | 1              | 1          | 0       |            |            |            |     |          |
| <b>Kirkfield Shop</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:20                 |                   | 46 Talbot St.                     | D          |                         |                       |       |                              |                             | 007714            | 0              | 0          | 0       |            |            |            |     |          |

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For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2015-05-14 13:00 Enumerated By: GD Audited By: AF Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN Copy Released By: AB/KN/AF/TW

Lab No. 007713 Submitting Agency @ 13:50 - Chuck Health Unit @ N/A Spills Action Centre (SAC) @ N/A AWQI # N/A By: AF Date: 2015-05-14

| Test Methodology and Detection Limit | COAL      | Detection Limit | Reportable Limit:           | 1    | Performed by                     | M/F CFU/100 ml |
|--------------------------------------|-----------|-----------------|-----------------------------|------|----------------------------------|----------------|
| Total Coliform                       | COAL Endo | Detection Limit | 0 - 80                      | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform                       | COAL DC   | Detection Limit | 0 - 80                      | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



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 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

## Final Certificate of Microbiological Analysis of Drinking Water

|   |                               |                 |  |
|---|-------------------------------|-----------------|--|
| Date & Time Received:<br>2015-06-03 11:10 | Temp. Rec'd.<br>(°C):<br>11.7 | Receiver:<br>AB | Date & Time Incubated:<br>2015-06-03 12:00 |
|   |                               |                 | HPC & FS Date & Time<br>Incubated:         |

Date Sampled: 2015-06-03  
 Collected By: Chuck Wilkinson  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |         |
|-----------------------|---------|
| Twp/Town              |         |
| Systems Health Unit   | HKPRDHU |
| Regulation            | 319/08  |
| Total # of pages sent | 3       |
| # of samples sent     | 11      |
| # of samples received | 11      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

**Conditions/Comments**

| Time Sampled                         | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|--------------------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                                      |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Rosedale Lock 35 #835J66E47</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:30                                |                   | 161 Trent Canal Rd.               | D          |                         |                       |       |                              |                             | 009161            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Kirkfield Lock 36 #835J66E39</b>  |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:00                                |                   | 2023 Kirkfield Rd.                | D          |                         |                       |       |                              |                             | 009162            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bolsover Lock 37 #835J66E21</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:15                                |                   | 92 Talbot Dr.                     | D          |                         |                       |       |                              |                             | 009163            | 0              | 0          | 1       |            |            |            |     |          |
| <b>Bolsover Bridge 43 (Reg. N/A)</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:05                                |                   | 138 Bolsover Rd.                  | D          |                         |                       |       |                              |                             | 009164            | 0              | 0          | 0       |            |            |            |     |          |

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 For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2015-06-04 10:30 Enumerated By: CS Audited By: LJ Methodology: M/F CFU/100ml  
 Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN Copy Released By: LJ/AB/HM/SS  
 Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

| Test Methodology and Detection Limit |           |                 |                             |                          |      |                                  |                |
|--------------------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform                       | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform                       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |



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[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                       |           |                                 |                  |
|-----------------------|-----------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd.<br>(°C): | Receiver: | Date & Time Incubated:          | 2015-06-03 12:00 |
| 2015-06-03 11:10      | 11.7                  | AB        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-06-03  
 Collected By: Chuck Wilkinson  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | 318/08         |
| Total # of pages sent | 3              |
| # of samples sent     | 11             |
| # of samples received | 11             |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

**Conditions/Comments**

| Time Sampled              | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              | Laboratory Number | Total Coliform              |     | E. coli    |     | Background |     | HPC        |     |
|---------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-------------------|-----------------------------|-----|------------|-----|------------|-----|------------|-----|
|                           |                   |                                   |            |                         | UV                    | Other | Total Cl <sub>2</sub> (mg/L) |                   | Free Cl <sub>2</sub> (mg/L) | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< |
| <b>Talbot Lock 38</b>     |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 09:30                     |                   | 1419 Canal Rd.                    | D          |                         |                       |       |                              | 009157            | 0                           | 0   | 1          |     |            |     |            |     |
| <b>Portage Lock 39</b>    |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 09:45                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              | 009158            | 0                           | 0   | 0          |     |            |     |            |     |
| <b>Thorah Lock 40</b>     |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 09:50                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              | 009159            | 0                           | 0   | 0          |     |            |     |            |     |
| <b>Gamebridge Lock 41</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 10:00                     |                   | 33235 Durham Rd.                  | D          |                         |                       |       |                              | 009160            | 0                           | 0   | 0          |     |            |     |            |     |

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 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2015-06-04 10:30 Enumerated By: CS Audited By: LJ Methodology: M/F CFU/100ml  
 Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN Copy Released By: LJ/AB/HM/SS  
 Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

| Test Methodology and Detection Limit |           |                 |                             |
|--------------------------------------|-----------|-----------------|-----------------------------|
| Total Coliform.                      | COAL Endo | Detection Limit | 0 - 80                      |
| Total Coliform                       | COAL DC   | Detection Limit | 0 - 80                      |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      |
| Reportable Limit:                    |           |                 | 1                           |

Performed by Membrane Filtration M/F CFU/100 ml  
 Performed by Membrane Filtration M/F CFU/100 ml  
 Performed by Membrane Filtration M/F CFU/100 ml  
 Performed by Membrane Filtration M/F CFU/100 ml  
 Performed by Membrane Filtration M/F CFU/100 ml  
 Performed by Spread Plate SP CFU/1 ml  
 Performed by Membrane Filtration M/F CFU/100 ml

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 Orillia, ON L3V 6H4  
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## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                       |           |                                 |                  |
|-----------------------|-----------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd.<br>(°C): | Receiver: | Date & Time Incubated:          | 2015-06-03 12:00 |
| 2015-06-03 11:10      | 11.7                  | AB        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-06-03  
 Collected By: Chuck Wilkinson  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | N/A            |
| Total # of pages sent | 3              |
| # of samples sent     | 11             |
| # of samples received | 11             |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

**Conditions/Comments**

| Time Sampled          | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              | Laboratory Number | Total Coliform              |     | E. coli    |     | Background |     | HPC        |     |
|-----------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-------------------|-----------------------------|-----|------------|-----|------------|-----|------------|-----|
|                       |                   |                                   |            |                         | UV                    | Other | Total Cl <sub>2</sub> (mg/L) |                   | Free Cl <sub>2</sub> (mg/L) | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< |
| <b>Bridge 44</b>      |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 09:10                 |                   | 34223 Mara Eldon Boundary Rd      | D          |                         |                       |       |                              | 009165            | 0                           | 0   | 0          |     |            |     |            |     |
| <b>Bridge 50</b>      |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 10:50                 |                   | 1202 Ramara Rd. Lakeshore         | D          |                         |                       |       |                              | 009166            | 0                           | 0   | 1          |     |            |     |            |     |
| <b>Kirkfield Shop</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 08:05                 |                   | 46 Talbot St.                     | D          |                         |                       |       |                              | 009167            | 0                           | 0   | 0          |     |            |     |            |     |

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 Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.  
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 For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2015-06-04 10:30 Enumerated By: CS Audited By: LJ Methodology: M/F CFU/100ml  
 Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN Copy Released By: LJ/AB/HM/SS  
 Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

| Test Methodology and Detection Limit | Detection Limit | Reportable Limit: | 1                           | Performed by                     | M/F CFU/100 ml |
|--------------------------------------|-----------------|-------------------|-----------------------------|----------------------------------|----------------|
| Total Coliform                       | COAL Endo       | Detection Limit   | 0 - 80                      | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform                       | COAL DC         | Detection Limit   | 0 - 80                      | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                              | COAL DC         | Detection Limit   | 0 - 60                      | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL Endo       | Detection Limit   | 0 - 200                     | Indicates Deterioration:         | M/F CFU/100 ml |
| Background                           | COAL DC         | Detection Limit   | 0 - 200                     | Indicates Deterioration:         | M/F CFU/100 ml |
| HPC                                  | COAL HPC        | Detection Limit   | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration:         | SP CFU/1 ml    |
| Faecal Streptococcus                 | COAL FS         | Detection Limit   | 0 - 80                      | Reportable Limit:                | M/F CFU/100 ml |

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 www.coalab.ca

**Final Certificate of Microbiological Analysis of Drinking Water**

|   |                               |                 |  |
|---|-------------------------------|-----------------|--|
| Date & Time Received:<br>2015-06-19 11:18 | Temp. Rec'd.<br>(°C):<br>11.5 | Receiver:<br>AB | Date & Time Incubated:<br>2015-06-19 12:00 |
|   |                               |                 | HPC & FS Date & Time<br>Incubated:         |

Date Sampled: 2015-06-19  
 Collected By: Sterling Schueitzer  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |         |
|-----------------------|---------|
| Twp/Town              |         |
| Systems Health Unit   | HKPRDHU |
| Regulation            | 319/08  |
| Total # of pages sent | 3       |
| # of samples sent     | 11      |
| # of samples received | 11      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Sterling Schueitzer

**Conditions/Comments**

| Time Sampled                         | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|--------------------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                                      |                   |                                   |            |                         | UV                    | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Rosedale Lock 35 #835J66E47</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:30                                |                   |                                   | D          |                         |                       |       |                              |                             | 010426            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Kirkfield Lock 36 #835J66E39</b>  |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:20                                |                   |                                   | D          |                         |                       |       |                              |                             | 010427            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bolsover Lock 37 #835J66E21</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:20                                |                   |                                   | D          |                         |                       |       |                              |                             | 010428            | 0              | 0          | > 200   |            |            |            |     |          |
| <b>Bolsover Bridge 43 (Reg. N/A)</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:51                                |                   |                                   | D          |                         |                       |       |                              |                             | 010429            | 0              | 0          | 0       |            |            |            |     |          |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

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Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter NR = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2015-06-20 11:15 Enumerated By: HM Audited By: LJ Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN Copy Released By: HM/LJ/KN

Lab No. 010428 Submitting Agency @ courtesy notice Health Unit @ N/A Spills Action Centre (SAC) @ N/A AWQI # N/A By: HM Date: 2015-06-20

Test Methodology and Detection Limit

|                      |           |                 |                             |                          |      |                                  |                |
|----------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform       | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

Approved for use by TJ prior to use.

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
[www.coalab.ca](http://www.coalab.ca)

**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-06-19 12:00 |
| 2015-06-19 11:18      | 11.5               | AB        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-06-19

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | 318/08         |
| Total # of pages sent | 3              |
| # of samples sent     | 11             |
| # of samples received | 11             |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Collected By:

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Name of Facility: Kirkfield Sector

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Drinking Water System (DWS) # **Please See Below**

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By:

**Conditions/ Comments** Portage Lock 39 + Gamebridge Lock 41 times transferred off of bottles submitted. AB

| Time Sampled              | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|---------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                           |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Talbot Lock 38</b>     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:34                     |                   |                                   | D          |                         |                       |       |                              |                             | 010422            | 0              | 0          | 23      |            |            |            |     |          |
| <b>Portage Lock 39</b>    |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:45                     |                   |                                   | D          |                         |                       |       |                              |                             | 010423            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Thorah Lock 40</b>     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:49                     |                   |                                   | D          |                         |                       |       |                              |                             | 010424            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Gamebridge Lock 41</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:00                     |                   |                                   | D          |                         |                       |       |                              |                             | 010425            | 0              | 0          | 0       |            |            |            |     |          |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

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Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

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For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)

F.S. & Faecal Strep. = Faecal Streptococcus

HPC = Heterotrophic Plate Count

HPM = Heavy Particulate Matter

N/R = Not Received

F.S. and HPC require 48 hours of incubation

Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2015-06-20 11:15 Enumerated By: HM Audited By: LJ Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN Copy Released By: HM/LJ/KN

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

**Test Methodology and Detection Limit**

|                      |           |                 |                             |                          |      |                                  |                |
|----------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform.      | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

Approved for use by TJ prior to use.

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



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[www.coalab.ca](http://www.coalab.ca)

**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-06-19 12:00 |
| 2015-06-19 11:18      | 11.5               | AB        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-06-19

Collected By: \_\_\_\_\_  
 Name of Facility: Kirkfield Sector

Drinking Water System (DWS) # **Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | N/A            |
| Total # of pages sent | 3              |
| # of samples sent     | 11             |
| # of samples received | 11             |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: \_\_\_\_\_ Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: \_\_\_\_\_

**Conditions/ Comments** Bridge 50 time sampled transferred off of bottle submitted. AB

| Time Sampled          | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|-----------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                       |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Bridge 44</b>      |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:06                 |                   |                                   | D          |                         |                       |       |                              |                             | 010430            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bridge 50</b>      |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:25                 |                   |                                   | D          |                         |                       |       |                              |                             | 010431            | 0              | 0          | 25      |            |            |            |     |          |
| <b>Kirkfield Shop</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:12                 |                   |                                   | D          |                         |                       |       |                              |                             | 010432            | 0              | 0          | 0       |            |            |            |     |          |

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F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter NR = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2015-06-20 11:15 Enumerated By: HM Audited By: LJ Methodology: M/F CFU/100ml

Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN Copy Released By: HM/LJ/KN

Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

**Test Methodology and Detection Limit**

|                      |           |                 |                             |                          |      |                                  |                |
|----------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform       | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

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www.coalab.ca

**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-06-29 12:00 |
| 2015-06-29 11:20      | 8.9                | AB        | HPC & FS Date & Time Incubated: |                  |

|                               |                         |                              |         |
|-------------------------------|-------------------------|------------------------------|---------|
| Date Sampled:                 | 2015-06-29              | Twp/Town Systems Health Unit | HKPRDHU |
| Collected By:                 | Ellie Wright            | Regulation                   | 319/08  |
| Name of Facility              | Kirkfield Sector        | Total # of pages sent        | 3       |
| Drinking Water System (DWS) # | <b>Please See Below</b> | # of samples sent            | 11      |
|                               |                         | # of samples received        | 11      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Ellie Wright

**Conditions/Comments**

| Time Sampled                         | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|--------------------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                                      |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Rosedale Lock 35 #835J66E47</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:55                                |                   | 161 Trent Canal Rd.               | D          |                         |                       |       |                              |                             | 010977            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Kirkfield Lock 36 #835J66E39</b>  |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:05                                |                   | 2023 Kirkfield Rd.                | D          |                         |                       |       |                              |                             | 010978            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bolsover Lock 37 #835J66E21</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:50                                |                   | 92 Talbot Dr.                     | D          |                         |                       |       |                              |                             | 010979            | 0              | 0          | 12      |            |            |            |     |          |
| <b>Bolsover Bridge 43 (Reg. N/A)</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:33                                |                   | 138 Bolsover Rd.                  | D          |                         |                       |       |                              |                             | 010980            | 0              | 0          | 0       |            |            |            |     |          |

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F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2015-06-30 10:30 Enumerated By: GD Audited By: CS Methodology: M/F CFU/100ml

Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: SS Authorized & Rechecked By: LJ/TJ/KN Copy Released By: AB/TW/KN

Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

**Test Methodology and Detection Limit**

|                      |           |                 |                             |                          |      |                                  |                |
|----------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform       | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

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Orillia, ON L3V 6H4  
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www.coalab.ca

**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-06-29 12:00 |
| 2015-06-29 11:20      | 8.9                | AB        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-06-29  
Collected By: Ellie Wright  
Name of Facility: Kirkfield Sector  
Drinking Water System (DWS) #: **Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | 318/08         |
| Total # of pages sent | 3              |
| # of samples sent     | 11             |
| # of samples received | 11             |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Ellie Wright

**Conditions/Comments**

| Time Sampled              | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              | Laboratory Number | Total Coliform              |     | E. coli    |     | Background |     | HPC        |     |
|---------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-------------------|-----------------------------|-----|------------|-----|------------|-----|------------|-----|
|                           |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) |                   | Free Cl <sub>2</sub> (mg/L) | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< |
| <b>Talbot Lock 38</b>     |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 10:05                     |                   | 1419 Canal Rd.                    | D          |                         |                       |       |                              | 010981            | 0                           | 0   | 0          |     |            |     |            |     |
| <b>Portage Lock 39</b>    |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 10:17                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              | 010982            | 0                           | 0   | 0          |     |            |     |            |     |
| <b>Thorah Lock 40</b>     |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 10:22                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              | 010983            | 0                           | 0   | 0          |     |            |     |            |     |
| <b>Gamebridge Lock 41</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 10:30                     |                   | 33235 Durham Rd.                  | D          |                         |                       |       |                              | 010984            | 0                           | 0   | 0          |     |            |     |            |     |

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Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

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For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2015-06-30 10:30 Enumerated By: GD Audited By: CS Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: SS Authorized & Rechecked By: LJ/TJ/KN Copy Released By: AB/TW/KN

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

Test Methodology and Detection Limit

|                 |           |                 |                             |                          |      |                                  |                |
|-----------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform. | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform  | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli         | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background      | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background      | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC             | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-06-29 12:00 |
| 2015-06-29 11:20      | 8.9                | AB        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-06-29  
 Collected By: Ellie Wright  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | N/A            |
| Total # of pages sent | 3              |
| # of samples sent     | 11             |
| # of samples received | 11             |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Ellie Wright

**Conditions/Comments**

| Time Sampled          | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              | Laboratory Number | Total Coliform              |     | E. coli    |     | Background |     | HPC        |     |
|-----------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-------------------|-----------------------------|-----|------------|-----|------------|-----|------------|-----|
|                       |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) |                   | Free Cl <sub>2</sub> (mg/L) | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< |
| <b>Bridge 44</b>      |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 10:00                 |                   | 34223 Mara Eldon Boundary Rd.     | D          |                         |                       |       |                              | 010985            | 0                           |     | 0          |     | 0          |     |            |     |
| <b>Bridge 50</b>      |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 10:37                 |                   | 1202 Ramara Rd. Lakeshore         | D          |                         |                       |       |                              | 010986            | 0                           |     | 0          |     | 0          |     |            |     |
| <b>Kirkfield Shop</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 08:00                 |                   | 46 Talbot St.                     | D          |                         |                       |       |                              | 010987            | 0                           |     | 0          |     | 0          |     |            |     |

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Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

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For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2015-06-30 10:30 Enumerated By: GD Audited By: CS Methodology: M/F CFU/100ml  
 Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: SS Authorized & Rechecked By: LJ/TJ/KN Copy Released By: AB/TW/KN

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

**Test Methodology and Detection Limit**

|                |           |                 |         |                          |      |                                  |                |
|----------------|-----------|-----------------|---------|--------------------------|------|----------------------------------|----------------|
| Total Coliform | COAL Endo | Detection Limit | 0 - 80  | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform | COAL DC   | Detection Limit | 0 - 80  | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli        | COAL DC   | Detection Limit | 0 - 60  | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background     | COAL Endo | Detection Limit | 0 - 200 | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background     | COAL DC   | Detection Limit | 0 - 200 | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |



|                      |          |                 |                             |                          |      |                                  |                |
|----------------------|----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| HPC                  | COAL HPC | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus | COAL FS  | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

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 www.coalab.ca

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-07-07 11:30 |
| 2015-07-07 10:40      | 11.4               | AB        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-07-07  
 Collected By: Shawn Finn  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |         |
|-----------------------|---------|
| Twp/Town              |         |
| Systems Health Unit   | HKPRDHU |
| Regulation            | 319/08  |
| Total # of pages sent | 1       |
| # of samples sent     | 1       |
| # of samples received | 1       |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Shawn Finn

**Conditions/Comments** Information transferred off of lead chain of custody form as per Kim tel AB @ 10:30 2015-07-07 sample is for bacteriological not for lead testing. AB

| Time Sampled                        | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|-------------------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                                     |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Kirkfield Lock 36 #835J66E39</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:50                               |                   | 2023 Kirkfield Rd.                | D          |                         |                       |       |                              |                             | 011671            | 0              | 0          | 0       |            |            |            |     |          |
|                                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |

**All samples will be considered DISTRIBUTION samples unless otherwise indicated.**  
**All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).**  
 Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.  
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 For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2015-07-08 10:00 Enumerated By: GD Audited By: CS Methodology: M/F CFU/100ml  
 Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: SS Authorized & Rechecked By: LJ/TJ/KN Copy Released By: GD/AB  
 Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

| Test Methodology and Detection Limit | COAL      | Endo            | Detection Limit             | 0 - 80                   | Reportable Limit: | 1                                | Performed by   | M/F CFU/100 ml |
|--------------------------------------|-----------|-----------------|-----------------------------|--------------------------|-------------------|----------------------------------|----------------|----------------|
| Total Coliform                       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1                 | Performed by Membrane Filtration | M/F CFU/100 ml |                |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1                 | Performed by Membrane Filtration | M/F CFU/100 ml |                |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200              | Performed by Membrane Filtration | M/F CFU/100 ml |                |
| HPC                                  | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200              | Performed by Membrane Filtration | M/F CFU/100 ml |                |
| Faecal Streptococcus                 | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500              | Performed by Spread Plate        | SP CFU/1 ml    |                |
|                                      | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1                 | Performed by Membrane Filtration | M/F CFU/100 ml |                |

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www.coalab.ca

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-07-08 14:30 |
| 2015-07-08 12:14      | 11.7               | MH        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-07-08  
Collected By: Shawn Finn  
Name of Facility: Kirkfield Sector  
Drinking Water System (DWS) # Please See Below

|                       |         |
|-----------------------|---------|
| Twp/Town              |         |
| Systems Health Unit   | HKPRDHU |
| Regulation            | 319/08  |
| Total # of pages sent | 1       |
| # of samples sent     | 1       |
| # of samples received | 1       |

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson  
Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Cortis Peulcon

Conditions/ Comments Resample - Transferred from incorrect C of C submitted.

| Time Sampled                        | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|-------------------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                                     |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Kirkfield Lock 36 #835J66E39</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:10                               | SF                | Lock 36 2023 Kirkfield Rd         | D          |                         |                       |       |                              |                             | 012031            | 0              |            | 0       |            | 0          |            |     |          |
|                                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |

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F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2015-07-09 13:00 Enumerated By: GD Audited By: AF Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: ST

Authorized & Rechecked By: LJ/TJ/KN

Copy Released By: AB/AF/KN/HM

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

Test Methodology and Detection Limit

|                      |           |                 |                             |                          |      |                                  |                |
|----------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform       | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

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[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Nitrate and Nitrite Analysis of Water

|                       |                    |           |
|-----------------------|--------------------|-----------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: |
| 2015-07-15 12:27      | 21.0               | MH        |

Date Sampled: 2015-07-15  
 Collected By: Ellie Wright  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) #**  
 Submitted By: Ellie Wright

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | HKPRDHU        |
| Regulation            | N/A            |
| Total # of pages sent | 2              |
| # of samples sent     | 11             |
| # of samples received | 11             |

Report To: **Trent Severn Waterway ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road, P.O.Box 10 Kirkfield, ON K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

**Conditions/Comments**

| Time Sampled | Sample Identifier | Identification of Collection Site      | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Nitrate as N |       | Nitrite as N |       | Nitrate + Nitrite as N |       |
|--------------|-------------------|--|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|--------------|-------|--------------|-------|------------------------|-------|
|              |                   |  |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<          | mg/L  | >/<          | mg/L  | >/<                    | mg/L  |
| 08:35        |                   | Lock 36 2023 Kirkfield Rd - Kirkfield  | E          |                         |                       |       |                              |                             | SFA-208           |              | 0.122 | <            | 0.010 |                        | 0.122 |
| 09:20        |                   | Lock 35 161 Trent Canal Rd - Rosedale  | E          |                         |                       |       |                              |                             | SFA-209           |              | 0.048 | <            | 0.010 |                        | 0.048 |
| 10:05        |                   | Bridge 43 138 Bolsover Rd - Bolsover   | E          |                         |                       |       |                              |                             | SFA-210           |              | 0.047 | <            | 0.010 |                        | 0.047 |
| 10:20        |                   | Bridge 44 34223 Mara Eldon Boundary Rd | E          |                         |                       |       |                              |                             | SFA-211           | <            | 0.010 | <            | 0.010 | <                      | 0.010 |
| 10:25        |                   | Lock 37 92 Talbot Dr - Bolsover        | E          |                         |                       |       |                              |                             | SFA-212           |              | 0.033 | <            | 0.010 |                        | 0.033 |
| 10:40        |                   | Lock 38 1419 Canal Rd - Talbot         | E          |                         |                       |       |                              |                             | SFA-213           |              | 0.164 | <            | 0.010 |                        | 0.164 |
| 11:05        |                   | Lock 39 33245 Durham Rd - Portage      | E          |                         |                       |       |                              |                             | SFA-214           |              | 0.075 | <            | 0.010 |                        | 0.075 |
| 11:20        |                   | Lock 40 33245 Durham Rd - Thorah       | E          |                         |                       |       |                              |                             | SFA-215           |              | 0.057 | <            | 0.010 |                        | 0.057 |
| 11:20        |                   | Lock 41 33235 Durham Rd - Gamebridge   | E          |                         |                       |       |                              |                             | SFA-216           |              | 0.154 | <            | 0.010 |                        | 0.154 |
| 11:35        |                   | Bridge 50 1202 Ramara Rd. - Beaverton  | E          |                         |                       |       |                              |                             | SFA-217           |              | 0.088 | <            | 0.010 |                        | 0.088 |
| 08:25        |                   | Kirkfield Shop                         | E          |                         |                       |       |                              |                             | SFA-218           |              | 0.240 |              | 0.040 |                        | 0.280 |

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Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific inorganic parameters.  
 COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.  
 For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
 N/R = Not Received N/A = Not Applicable

Raw = R  
 Distribution = D  
 Point of Entry = E  
 Raw Water Consumed = RWC

Analysis Date & Time: 2015-07-17 13:30 Analyzed By: TW Audited By: TJ Methodology: SFA mg/L

Transcribed By: SS Authorized & Rechecked By: LJ/TJ/KN Copy Released By: HM/AB

Lab No: Parameter: Submitting Agency @ H.U. @ SAC @ AWQI # By: Date:

| Test Methodology (SFA) and Detection Limi |        |   |            |                   |           |
|---|--------|---|------------|-------------------|-----------|
| Nitrate                                   | COAL N | Detection Limit   | 0.010 mg/L | Reportable Limit: | 10.0 mg/L |
| Nitrite                                   | COAL N | Detection Limit   | 0.010 mg/L | Reportable Limit: | 1.0 mg/L  |
| Nitrate + Nitrite                         | COAL N | Detection Limit   | 0.010 mg/L | Reportable Limit: | 10.0 mg/L |
|   |        | Methodology: Automated Colourmetric Determination of Nitrate as N is water samples (modified EPA353.2)            |            |                   |           |
|   |        | Methodology: Automated Colourmetric Determination of Nitrite as N is water samples (modified EPA353.2)            |            |                   |           |
|   |        | Methodology: Automated Colourmetric Determination of Nitrate + Nitrite as N in water samples (modified EPA 353.2) |            |                   |           |

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-07-15 13:30 |
| 2015-07-15 12:27      | 21.0               | LJ        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-07-15  
 Collected By: Ellie Wright  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |         |
|-----------------------|---------|
| Twp/Town              |         |
| Systems Health Unit   | HKPRDHU |
| Regulation            | 319/08  |
| Total # of pages sent | 3       |
| # of samples sent     | 11      |
| # of samples received | 11      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Ellie Wright

**Conditions/Comments**

| Time Sampled                         | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|--------------------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                                      |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Rosedale Lock 35 #835J66E47</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:20                                |                   | 161 Trent Canal Rd.               | D          |                         |                       |       |                              |                             | 012553            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Kirkfield Lock 36 #835J66E39</b>  |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:35                                |                   | 2023 Kirkfield Rd.                | D          |                         |                       |       |                              |                             | 012554            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bolsover Lock 37 #835J66E21</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:25                                |                   | 92 Talbot Dr.                     | D          |                         |                       |       |                              |                             | 012555            | 0              | 0          | 120     |            |            |            |     |          |
| <b>Bolsover Bridge 43 (Reg. N/A)</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:05                                |                   | 138 Bolsover Rd.                  | D          |                         |                       |       |                              |                             | 012556            | 0              | 0          | 0       |            |            |            |     |          |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

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 For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter NR = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Raw = R  
 Distribution = D  
 Point of Entry = E

Analysis Date & Time: 2015-07-16 11:45 Enumerated By: CS Audited By: GD Methodology: M/F CFU/100ml  
 Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN Copy Released By: GD/AB/ST/HM

Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

**Test Methodology and Detection Limit**

|                      |           |                 |                             |                          |      |                                  |                |
|----------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform       | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



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[www.coalab.ca](http://www.coalab.ca)

**Final Certificate of Microbiological Analysis of Drinking Water**

|   |                               |                 |  |
|---|-------------------------------|-----------------|--|
| Date & Time Received:<br>2015-07-15 12:27 | Temp. Rec'd.<br>(°C):<br>21.0 | Receiver:<br>LJ | Date & Time Incubated:<br>2015-07-15 13:30 |
|   |                               |                 | HPC & FS Date & Time Incubated:            |

Date Sampled: 2015-07-15  
 Collected By: Ellie Wright  
 Name of Facility: Kirkfield Sector  
 Drinking Water System (DWS) #: Please See Below  
 Submitted By: Ellie Wright

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | 318/08         |
| Total # of pages sent | 3              |
| # of samples sent     | 11             |
| # of samples received | 11             |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: \_\_\_\_\_ Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

**Conditions/Comments**

| Time Sampled              | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|---------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                           |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Talbot Lock 38</b>     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:40                     |                   | 1419 Canal Rd.                    | D          |                         |                       |       |                              |                             | 012557            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Portage Lock 39</b>    |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:05                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              |                             | 012558            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Thorah Lock 40</b>     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:20                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              |                             | 012559            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Gamebridge Lock 41</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:20                     |                   | 33235 Durham Rd.                  | D          |                         |                       |       |                              |                             | 012560            | 0              | 0          | 0       |            |            |            |     |          |

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F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter NR = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2015-07-16 11:45 Enumerated By: CS Audited By: GD Methodology: M/F CFU/100ml

Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN Copy Released By: GD/AB/ST/HM

Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

**Test Methodology and Detection Limit**

|                      |           |                 |                             |                          |      |                                  |                |
|----------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform.      | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

Approved for use by TJ prior to use.

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



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Orillia, ON L3V 6H4  
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[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-07-15 13:30 |
| 2015-07-15 12:27      | 21.0               | LJ        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-07-15  
Collected By: Ellie Wright  
Name of Facility: Kirkfield Sector  
Drinking Water System (DWS) #: Please See Below

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | N/A            |
| Total # of pages sent | 3              |
| # of samples sent     | 11             |
| # of samples received | 11             |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
Telephone: 705 438-3153 Ext: \_\_\_\_\_ Fax: 705-438-5201 + Scan & Email  
Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Ellie Wright

|                     |  |
|---------------------|--|
| Conditions/Comments |  |
|---------------------|--|

| Time Sampled          | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|-----------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                       |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Bridge 44</b>      |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:20                 |                   | 34223 Mara Eldon Boundary Rd      | D          |                         |                       |       |                              |                             | 012561            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bridge 50</b>      |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:35                 |                   | 1202 Ramara Rd. Lakeshore         | D          |                         |                       |       |                              |                             | 012562            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Kirkfield Shop</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:25                 |                   | 46 Talbot St.                     | D          |                         |                       |       |                              |                             | 012563            | 0              | 0          | 0       |            |            |            |     |          |

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F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter NR = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2015-07-16 11:45 Enumerated By: CS Audited By: GD Methodology: M/F CFU/100ml  
Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN Copy Released By: GD/AB/ST/HM  
Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

| Test Methodology and Detection Limit | COAL Endo | Detection Limit | Reportable Limit:           | 1                        | Performed by Membrane Filtration | M/F CFU/100 ml |
|--------------------------------------|-----------|-----------------|-----------------------------|--------------------------|----------------------------------|----------------|
| Total Coliform                       | COAL DC   | Detection Limit | 0 - 80                      | 1                        | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform                       | COAL DC   | Detection Limit | 0 - 80                      | 1                        | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      | 1                        | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | Performed by Membrane Filtration | M/F CFU/100 ml |

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 www.coalab.ca

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-07-28 14:10 |
| 2015-07-28 12:40      | 8.4                | AB        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-07-28  
 Collected By: Ellie Wright  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |         |
|-----------------------|---------|
| Twp/Town              |         |
| Systems Health Unit   | HKPRDHU |
| Regulation            | 319/08  |
| Total # of pages sent | 2       |
| # of samples sent     | 8       |
| # of samples received | 8       |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Ellie Wright

**Conditions/Comments**

| Time Sampled                         | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|--------------------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                                      |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Rosedale Lock 35 #835J66E47</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:10                                |                   | 161 Trent Canal Rd.               | D          |                         |                       |       |                              |                             | 013484            | 0              |            | 0       |            | 0          |            |     |          |
| <b>Kirkfield Lock 36 #835J66E39</b>  |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:10                                |                   | 2023 Kirkfield Rd.                | D          |                         |                       |       |                              |                             | 013485            | 0              |            | 0       |            | 0          |            |     |          |
| <b>Bolsover Lock 37 #835J66E21</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:20                                |                   | 92 Talbot Dr.                     | D          |                         |                       |       |                              |                             | 013486            | 0              |            | 0       |            | 0          |            |     |          |
| <b>Bolsover Bridge 43 (Reg. N/A)</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:55                                |                   | 138 Bolsover Rd.                  | D          |                         |                       |       |                              |                             | 013487            | 0              |            | 0       |            | 0          |            |     |          |

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F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter NR = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Raw = R  
 Distribution = D  
 Point of Entry = E

Analysis Date & Time: 2015-07-29 12:30 Enumerated By: GD Audited By: CS Methodology: M/F CFU/100ml  
 Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: SS Authorized & Rechecked By: LJ/TJ/KN Copy Released By: CS/AB

Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

**Test Methodology and Detection Limit**

|                      |           |                 |                             |                          |      |                                  |                |
|----------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform       | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |



**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-07-28 14:10 |
| 2015-07-28 12:40      | 8.4                | AB        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-07-28  
 Collected By: Ellie Wright  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | 318/08         |
| Total # of pages sent | 2              |
| # of samples sent     | 8              |
| # of samples received | 8              |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Ellie Wright

|                            |
|----------------------------|
| <b>Conditions/Comments</b> |
|----------------------------|

| Time Sampled              | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|---------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                           |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Talbot Lock 38</b>     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:50                     |                   | 1419 Canal Rd.                    | D          |                         |                       |       |                              |                             | 013488            | 0              | 0          | 2       |            |            |            |     |          |
| <b>Portage Lock 39</b>    |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:00                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              |                             | 013489            | 0              | 0          | 1       |            |            |            |     |          |
| <b>Thorah Lock 40</b>     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:10                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              |                             | 013490            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Gamebridge Lock 41</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:20                     |                   | 33235 Durham Rd.                  | D          |                         |                       |       |                              |                             | 013491            | 0              | 0          | 0       |            |            |            |     |          |

**All samples will be considered DISTRIBUTION samples unless otherwise indicated.**  
**All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).**  
 Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.  
 COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.  
 For collection and handling procedures visit www.coalab.ca/watersamples.html  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2015-07-29 12:30 Enumerated By: GD Audited By: CS Methodology: M/F CFU/100ml  
 Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: SS Authorized & Rechecked By: LJ/TJ/KN Copy Released By: CS/AB  
 Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

| Test Methodology and Detection Limit |           |                 |                             |
|--------------------------------------|-----------|-----------------|-----------------------------|
| Total Coliform.                      | COAL Endo | Detection Limit | 0 - 80                      |
| Total Coliform                       | COAL DC   | Detection Limit | 0 - 80                      |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      |

| Reportable Limit:        | 1    | Performed by        | M/F CFU/100 ml |
|--------------------------|------|---------------------|----------------|
| Reportable Limit:        | 1    | Membrane Filtration | M/F CFU/100 ml |
| Reportable Limit:        | 1    | Membrane Filtration | M/F CFU/100 ml |
| Indicates Deterioration: | >200 | Membrane Filtration | M/F CFU/100 ml |
| Indicates Deterioration: | >200 | Membrane Filtration | M/F CFU/100 ml |
| Indicates Deterioration: | >500 | Spread Plate        | SP CFU/1 ml    |
| Reportable Limit:        | 1    | Membrane Filtration | M/F CFU/100 ml |

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 www.coalab.ca

**Final Certificate of Nitrate and Nitrite Analysis of Water**

|                       |                    |           |
|-----------------------|--------------------|-----------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: |
| 2015-08-11 11:45      | 6.7                | AB        |

Date Sampled: 2015-08-11

Collected By: Ellie Wright

Name of Facility: Kirkfield Sector

**Drinking Water System (DWS) #**

Submitted By: Ellie Wright

|                       |         |
|-----------------------|---------|
| Twp/Town              |         |
| Systems Health Unit   | HKPRDHU |
| Regulation            | N/A     |
| Total # of pages sent | 1       |
| # of samples sent     | 11      |
| # of samples received | 11      |

Report To: **Trent Severn Waterway ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road, P.O.Box 10 Kirkfield, ON K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

|                            |
|----------------------------|
| <b>Conditions/Comments</b> |
|----------------------------|

| Time Sampled | Sample Identifier | Identification of Collection Site      | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Nitrate as N |      | Nitrite as N |      | Nitrate + Nitrite as N |      |
|--------------|-------------------|--|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|--------------|------|--------------|------|------------------------|------|
|              |                   |  |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<          | mg/L | >/<          | mg/L | >/<                    | mg/L |
| 08:20        |                   | Lock 36 2023 Kirkfield Rd - Kirkfield  | D          |                         |                       |       |                              | SFA-253                     |                   | 0.174        |      | 0.029        |      | 0.203                  |      |
| 08:50        |                   | Lock 35 161 Trent Canal Rd - Rosedale  | D          |                         |                       |       |                              | SFA-254                     |                   | 0.120        |      | 0.024        |      | 0.144                  |      |
| 09:50        |                   | Bridge 43 138 Bolsover Rd - Bolsover   | D          |                         |                       |       |                              | SFA-255                     | <                 | 0.010        |      | 0.013        |      | 0.013                  |      |
| 10:00        |                   | Bridge 44 34223 Mara Eldon Boundary Rd | D          |                         |                       |       |                              | SFA-256                     | <                 | 0.010        |      | 0.012        |      | 0.012                  |      |
| 10:05        |                   | Lock 37 92 Talbot Dr - Bolsover        | D          |                         |                       |       |                              | SFA-257                     | <                 | 0.010        |      | 0.020        |      | 0.020                  |      |
| 10:25        |                   | Lock 38 1419 Canal Rd - Talbot         | D          |                         |                       |       |                              | SFA-258                     |                   | 0.117        |      | 0.013        |      | 0.130                  |      |
| 10:30        |                   | Lock 39 33245 Durham Rd - Portage      | D          |                         |                       |       |                              | SFA-259                     |                   | 0.048        | <    | 0.010        |      | 0.048                  |      |
| 10:35        |                   | Lock 40 33245 Durham Rd - Thorah       | D          |                         |                       |       |                              | SFA-260                     |                   | 0.023        |      | 0.013        |      | 0.035                  |      |
| 10:40        |                   | Lock 41 33235 Durham Rd - Gamebridge   | D          |                         |                       |       |                              | SFA-261                     |                   | 0.119        |      | 0.037        |      | 0.156                  |      |
| 10:45        |                   | Bridge 50 1202 Ramara Rd. - Beaverton  | D          |                         |                       |       |                              | SFA-262                     |                   | 0.052        |      | 0.016        |      | 0.068                  |      |
| 08:10        |                   | Kirkfield Shop                         | D          |                         |                       |       |                              | SFA-263                     |                   | 0.209        |      | 0.031        |      | 0.240                  |      |

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Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific inorganic parameters. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html

Raw = R  
 Distribution = D  
 Point of Entry = E  
 Raw Water Consumed = RWC

N/R = Not Received N/A = Not Applicable

Analysis Date & Time: 2015-08-17 16:30 Analyzed By: TJ Audited By: LJ Methodology: SFA mg/L  
 Transcribed By: DL Authorized & Rechecked By: LJ/TJ/KN Copy Released By: LJ/AB/DB/KN

Lab No: \_\_\_\_\_ Parameter: \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ H.U. @ \_\_\_\_\_ SAC @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

Test Methodology (SFA) and Detection Limit

|                   |        |                 |            |                   |           |              |  |
|-------------------|--------|-----------------|------------|-------------------|-----------|--------------|--|
| Nitrate           | COAL N | Detection Limit | 0.010 mg/L | Reportable Limit: | 10.0 mg/L | Methodology: | Automated Colourmetric Determination of Nitrate as N in water samples (modified EPA353.2)            |
| Nitrite           | COAL N | Detection Limit | 0.010 mg/L | Reportable Limit: | 1.0 mg/L  | Methodology: | Automated Colourmetric Determination of Nitrite as N in water samples (modified EPA353.2)            |
| Nitrate + Nitrite | COAL N | Detection Limit | 0.010 mg/L | Reportable Limit: | 10.0 mg/L | Methodology: | Automated Colourmetric Determination of Nitrate + Nitrite as N in water samples (modified EPA 353.2) |

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 www.coalab.ca

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-08-11 12:00 |
| 2015-08-11 11:45      | 6.7                | AB        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-08-11  
 Collected By: Ellie Wright  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |         |
|-----------------------|---------|
| Twp/Town              |         |
| Systems Health Unit   | HKPRDHU |
| Regulation            | 319/08  |
| Total # of pages sent | 3       |
| # of samples sent     | 11      |
| # of samples received | 11      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Ellie Wright

**Conditions/Comments**

| Time Sampled                         | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|--------------------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                                      |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Rosedale Lock 35 #835J66E47</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:50                                |                   | 161 Trent Canal Rd.               | D          |                         |                       |       |                              |                             | 014528            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Kirkfield Lock 36 #835J66E39</b>  |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:20                                |                   | 2023 Kirkfield Rd.                | D          |                         |                       |       |                              |                             | 014529            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bolsover Lock 37 #835J66E21</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:05                                |                   | 92 Talbot Dr.                     | D          |                         |                       |       |                              |                             | 014530            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bolsover Bridge 43 (Reg. N/A)</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:50                                |                   | 138 Bolsover Rd.                  | D          |                         |                       |       |                              |                             | 014531            | 0              | 0          | 0       |            |            |            |     |          |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

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Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.  
 For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter

N/R = Not Received

F.S. and HPC require 48 hours of incubation

Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2015-08-12 10:30 Enumerated By: CS Audited By: GD Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: AM

Authorized & Rechecked By: LJ/KN/TJ

Copy Released By: DB/AM/CS

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

**Test Methodology and Detection Limit**

|                      |           |                 |                             |                          |      |                                  |                |
|----------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform       | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

Approved for use by TJ prior to use.

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[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Microbiological Analysis of Drinking Water

|   |                              |                 |  |
|---|------------------------------|-----------------|--|
| Date & Time Received:<br>2015-08-11 11:45 | Temp. Rec'd.<br>(°C):<br>6.7 | Receiver:<br>AB | Date & Time Incubated:<br>2015-08-11 12:30 |
|   |                              |                 | HPC & FS Date & Time Incubated:            |

Date Sampled: 2015-08-11  
 Collected By: Ellie Wright  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | 318/08         |
| Total # of pages sent | 3              |
| # of samples sent     | 11             |
| # of samples received | 11             |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
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 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Ellie Wright

**Conditions/Comments**

| Time Sampled              | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              | Laboratory Number | Total Coliform              |     | E. coli    |     | Background |     | HPC        |     |
|---------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-------------------|-----------------------------|-----|------------|-----|------------|-----|------------|-----|
|                           |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) |                   | Free Cl <sub>2</sub> (mg/L) | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< |
| <b>Talbot Lock 38</b>     |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 10:05                     |                   | 1419 Canal Rd.                    | D          |                         |                       |       |                              | 014532            | 0                           | 0   | 0          |     |            |     |            |     |
| <b>Portage Lock 39</b>    |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 10:30                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              | 014533            | 0                           | 0   | 0          |     |            |     |            |     |
| <b>Thorah Lock 40</b>     |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 10:35                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              | 014534            | 0                           | 0   | 0          |     |            |     |            |     |
| <b>Gamebridge Lock 41</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 10:40                     |                   | 33235 Durham Rd.                  | D          |                         |                       |       |                              | 014535            | 0                           | 0   | 0          |     |            |     |            |     |

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N/R = Not Received

F.S. and HPC require 48 hours of incubation

Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2015-08-12 10:45 Enumerated By: CS Audited By: GD Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: AM

Authorized & Rechecked By: LJ/KN/TJ

Copy Released By: DB/AM/CS

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

**Test Methodology and Detection Limit**

|                      |           |                 |                             |                          |      |                                  |                |
|----------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform.      | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

Approved for use by TJ prior to use.

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[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                       |           |                                 |                  |
|-----------------------|-----------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd.<br>(°C): | Receiver: | Date & Time Incubated:          | 2015-08-11 12:30 |
| 2015-08-11 11:45      | 6.7                   | AB        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-08-11  
 Collected By: Ellie Wright  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | N/A            |
| Total # of pages sent | 3              |
| # of samples sent     | 11             |
| # of samples received | 11             |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Ellie Wright

**Conditions/Comments**

| Time Sampled          | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              | Laboratory Number | Total Coliform              |                | E. coli        |                | Background   |  | HPC |  |
|-----------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-------------------|-----------------------------|----------------|----------------|----------------|--------------|--|-----|--|
|                       |                   |                                   |            |                         | UV                    | Other | Total Cl <sub>2</sub> (mg/L) |                   | Free Cl <sub>2</sub> (mg/L) | >/< CFU/100 ml | >/< CFU/100 ml | >/< CFU/100 ml | >/< CFU/1 ml |  |     |  |
| <b>Bridge 44</b>      |                   |                                   |            |                         |                       |       |                              |                   |                             |                |                |                |              |  |     |  |
| 10:00                 |                   | 34223 Mara Eldon Boundary Rd      | D          |                         |                       |       |                              | 014536            | 0                           | 0              | 0              |                |              |  |     |  |
| <b>Bridge 50</b>      |                   |                                   |            |                         |                       |       |                              |                   |                             |                |                |                |              |  |     |  |
| 10:55                 |                   | 1202 Ramara Rd. Lakeshore         | D          |                         |                       |       |                              | 014537            | 0                           | 0              | 0              |                |              |  |     |  |
| <b>Kirkfield Shop</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |                |                |                |              |  |     |  |
| 08:10                 |                   | 46 Talbot St.                     | D          |                         |                       |       |                              | 014538            | 0                           | 0              | 0              |                |              |  |     |  |

**All samples will be considered DISTRIBUTION samples unless otherwise indicated.**  
**All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).**  
 Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.  
 COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.  
 For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2015-08-12 10:45 Enumerated By: CS Audited By: GD Methodology: M/F CFU/100ml  
 Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: AM Authorized & Rechecked By: LJ/KN/TJ Copy Released By: DB/AM/CS  
 Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

| Test Methodology and Detection Limit |           |                 |                             |                          |      |   |
|--------------------------------------|-----------|-----------------|-----------------------------|--------------------------|------|---|
| Total Coliform                       | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration M/F CFU/100 ml |
| Total Coliform                       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration M/F CFU/100 ml |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration M/F CFU/100 ml |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration M/F CFU/100 ml |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration M/F CFU/100 ml |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate SP CFU/1 ml           |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration M/F CFU/100 ml |

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-08-25 12:15 |
| 2015-08-25 11:40      | 10.5               | AB        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-08-25  
 Collected By: Ellie Wright  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |         |
|-----------------------|---------|
| Twp/Town              |         |
| Systems Health Unit   | HKPRDHU |
| Regulation            | 319/08  |
| Total # of pages sent | 3       |
| # of samples sent     | 11      |
| # of samples received | 11      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Ellie Wright

**Conditions/Comments**

| Time Sampled                         | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|--------------------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                                      |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Rosedale Lock 35 #835J66E47</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:00                                |                   | 161 Trent Canal Rd.               | D          |                         |                       |       |                              |                             | 015665            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Kirkfield Lock 36 #835J66E39</b>  |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:25                                |                   | 2023 Kirkfield Rd.                | D          |                         |                       |       |                              |                             | 015666            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bolsover Lock 37 #835J66E21</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:55                                |                   | 92 Talbot Dr.                     | D          |                         |                       |       |                              |                             | 015667            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bolsover Bridge 43 (Reg. N/A)</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:40                                |                   | 138 Bolsover Rd.                  | D          |                         |                       |       |                              |                             | 015668            | 0              | 0          | 0       |            |            |            |     |          |

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 For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter NR = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Raw = R  
 Distribution = D  
 Point of Entry = E

Analysis Date & Time: 2015-08-26 10:30 Enumerated By: GD Audited By: CS Methodology: M/F CFU/100ml  
 Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN Copy Released By: CS/AB/DL/AM

Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

**Test Methodology and Detection Limit**

|                      |           |                 |                             |                          |      |                                  |                |
|----------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform       | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

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[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Microbiological Analysis of Drinking Water

|   |                               |                 |  |
|---|-------------------------------|-----------------|--|
| Date & Time Received:<br>2015-08-25 11:40 | Temp. Rec'd.<br>(°C):<br>10.5 | Receiver:<br>AB | Date & Time Incubated:<br>2015-08-25 12:15 |
|   |                               |                 | HPC & FS Date & Time Incubated:            |

Date Sampled: 2015-08-25

Collected By: Ellie Wright

Name of Facility: Kirkfield Sector

Drinking Water System (DWS) # Please See Below

Submitted By: Ellie Wright

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | 318/08         |
| Total # of pages sent | 3              |
| # of samples sent     | 11             |
| # of samples received | 11             |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

| Conditions/Comments |
|---------------------|
|                     |

| Time Sampled              | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |  |
|---------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|--|
|                           |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |  |
| <b>Talbot Lock 38</b>     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |  |
| 10:20                     |                   | 1419 Canal Rd.                    | D          |                         |                       |       |                              |                             | 015669            | 0              | 0          | 0       |            |            |            |     |          |  |
| <b>Portage Lock 39</b>    |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |  |
| 10:40                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              |                             | 015670            | 0              | 0          | 0       |            |            |            |     |          |  |
| <b>Thorah Lock 40</b>     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |  |
| 10:35                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              |                             | 015671            | 0              | 0          | 0       |            |            |            |     |          |  |
| <b>Gamebridge Lock 41</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |  |
| 10:26                     |                   | 33235 Durham Rd.                  | D          |                         |                       |       |                              |                             | 015672            | 0              | 0          | 0       |            |            |            |     |          |  |

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For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter NR = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2015-08-26 10:30 Enumerated By: GD Audited By: CS Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: ST

Authorized & Rechecked By: LJ/TJ/KN

Copy Released By: CS/AB/DL

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

### Test Methodology and Detection Limit

|                      |           |                 |                             |                          |      |                                  |                |
|----------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform.      | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

Approved for use by TJ prior to use.

Final Certificate, PITA 102, 1503, Revision 1.4

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



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## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-08-25 12:15 |
| 2015-08-25 11:40      | 10.5               | AB        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-08-25  
Collected By: Ellie Wright  
Name of Facility: Kirkfield Sector  
Drinking Water System (DWS) #: Please See Below

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | N/A            |
| Total # of pages sent | 3              |
| # of samples sent     | 11             |
| # of samples received | 11             |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
Telephone: 705 438-3153 Ext: \_\_\_\_\_ Fax: 705-438-5201 + Scan & Email  
Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Ellie Wright

|                     |  |
|---------------------|--|
| Conditions/Comments |  |
|---------------------|--|

| Time Sampled          | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|-----------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                       |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Bridge 44</b>      |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:45                 |                   | 34223 Mara Eldon Boundary Rd      | D          |                         |                       |       |                              |                             | 015673            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bridge 50</b>      |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:55                 |                   | 1202 Ramara Rd. Lakeshore         | D          |                         |                       |       |                              |                             | 015674            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Kirkfield Shop</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:30                 |                   | 46 Talbot St.                     | D          |                         |                       |       |                              |                             | 015675            | 0              | 0          | 0       |            |            |            |     |          |

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For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2015-08-26 10:30 Enumerated By: GD Audited By: CS Methodology: M/F CFU/100ml  
Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN Copy Released By: CS/AB/DL  
Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

| Test Methodology and Detection Limit | COAL Endo | Detection Limit | Reportable Limit:           | 1                        | Performed by Membrane Filtration | M/F CFU/100 ml |
|--------------------------------------|-----------|-----------------|-----------------------------|--------------------------|----------------------------------|----------------|
| Total Coliform                       | COAL DC   | Detection Limit | 0 - 80                      | 1                        | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform                       | COAL DC   | Detection Limit | 0 - 80                      | 1                        | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      | 1                        | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | Performed by Membrane Filtration | M/F CFU/100 ml |



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 www.coalab.ca

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-09-08 15:00 |
| 2015-09-08 12:42      | 19.0               | ST        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-09-08  
 Collected By: Chuck Wilkinson  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |         |
|-----------------------|---------|
| Twp/Town              |         |
| Systems Health Unit   | HKPRDHU |
| Regulation            | 319/08  |
| Total # of pages sent | 3       |
| # of samples sent     | 11      |
| # of samples received | 11      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

**Conditions/Comments**

| Time Sampled                         | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|--------------------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                                      |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Rosedale Lock 35 #835J66E47</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:30                                |                   | 161 Trent Canal Rd.               | D          |                         |                       |       |                              |                             | 016639            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Kirkfield Lock 36 #835J66E39</b>  |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:00                                |                   | 2023 Kirkfield Rd.                | D          |                         |                       |       |                              |                             | 016640            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bolsover Lock 37 #835J66E21</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:15                                |                   | 92 Talbot Dr.                     | D          |                         |                       |       |                              |                             | 016641            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bolsover Bridge 43 (Reg. N/A)</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:00                                |                   | 138 Bolsover Rd.                  | D          |                         |                       |       |                              |                             | 016642            | 0              | 0          | 10      |            |            |            |     |          |

**All samples will be considered DISTRIBUTION samples unless otherwise indicated.**  
**All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).**  
 Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.  
 COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.  
 For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2015-09-09 13:30 Enumerated By: GD Audited By: CS Methodology: M/F CFU/100ml  
 Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: AM Authorized & Rechecked By: LJ/KN/TJ Copy Released By: CS/AB/HM/KN  
 Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

| Test Methodology and Detection Limit |           |                 |                             |                          |      |
|--------------------------------------|-----------|-----------------|-----------------------------|--------------------------|------|
| Total Coliform                       | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    |
| Total Coliform                       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    |

Performed by Membrane Filtration M/F CFU/100 ml  
 Performed by Membrane Filtration M/F CFU/100 ml  
 Performed by Membrane Filtration M/F CFU/100 ml  
 Performed by Membrane Filtration M/F CFU/100 ml  
 Performed by Membrane Filtration M/F CFU/100 ml  
 Performed by Spread Plate SP CFU/1 ml  
 Performed by Membrane Filtration M/F CFU/100 ml

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                       |           |                                 |                  |
|-----------------------|-----------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd.<br>(°C): | Receiver: | Date & Time Incubated:          | 2015-09-08 15:00 |
| 2015-09-08 12:42      | 19.0                  | ST        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-09-08  
 Collected By: Chuck Wilkinson  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | 318/08         |
| Total # of pages sent | 3              |
| # of samples sent     | 11             |
| # of samples received | 11             |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

**Conditions/Comments**

| Time Sampled              | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              | Laboratory Number | Total Coliform              |     | E. coli    |     | Background |     | HPC        |     |
|---------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-------------------|-----------------------------|-----|------------|-----|------------|-----|------------|-----|
|                           |                   |                                   |            |                         | J.V.                  | Other | Total Cl <sub>2</sub> (mg/L) |                   | Free Cl <sub>2</sub> (mg/L) | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< |
| <b>Talbot Lock 38</b>     |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 10:45                     |                   | 1419 Canal Rd.                    | D          |                         |                       |       |                              | 016643            | 0                           |     | 0          |     | 0          |     |            |     |
| <b>Portage Lock 39</b>    |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 10:55                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              | 016644            | 0                           |     | 0          |     | 0          |     |            |     |
| <b>Thorah Lock 40</b>     |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 11:05                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              | 016645            | 0                           |     | 0          | >   | 200        |     |            |     |
| <b>Gamebridge Lock 41</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 11:15                     |                   | 33235 Durham Rd.                  | D          |                         |                       |       |                              | 016646            | 0                           |     | 0          |     | 0          |     |            |     |

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 Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.  
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 For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2015-09-09 13:30 Enumerated By: GD Audited By: CS Methodology: M/F CFU/100ml  
 Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: AM Authorized & Rechecked By: LJ/KN/TJ Copy Released By: CS/AB/HM/KN

Lab No. 016645 Submitting Agency @ Courtesy Notice Health Unit @ Spills Action Centre (SAC) @ AWQI # By: GD Date: 2015-09-09

| Test Methodology and Detection Limit | COAL Endo | Detection Limit             | Reportable Limit:        | 1    | Performed by                     | M/F CFU/100 ml |
|--------------------------------------|-----------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform.                      | COAL DC   | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform                       | COAL DC   | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                              | COAL DC   | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL Endo | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL DC   | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                                  | COAL HPC  | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus                 | COAL FS   | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

Approved for use by TJ prior to use.

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                       |           |                                 |                  |
|-----------------------|-----------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd.<br>(°C): | Receiver: | Date & Time Incubated:          | 2015-09-08 15:00 |
| 2015-09-08 12:42      | 19.0                  | ST        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-09-08  
 Collected By: Chuck Wilkinson  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | N/A            |
| Total # of pages sent | 3              |
| # of samples sent     | 11             |
| # of samples received | 11             |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

**Conditions/Comments**

| Time Sampled          | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              | Laboratory Number | Total Coliform              |     | E. coli    |     | Background |     | HPC        |     |
|-----------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-------------------|-----------------------------|-----|------------|-----|------------|-----|------------|-----|
|                       |                   |                                   |            |                         | UV                    | Other | Total Cl <sub>2</sub> (mg/L) |                   | Free Cl <sub>2</sub> (mg/L) | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< |
| <b>Bridge 44</b>      |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 10:10                 |                   | 34223 Mara Eldon Boundary Rd      | D          |                         |                       |       |                              | 016636            | 0                           |     | 0          |     | 0          |     |            |     |
| <b>Bridge 50</b>      |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 11:30                 |                   | 1202 Ramara Rd. Lakeshore         | D          |                         |                       |       |                              | 016637            | 0                           |     | 0          | >   | 200        |     |            |     |
| <b>Kirkfield Shop</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 08:50                 |                   | 46 Talbot St.                     | D          |                         |                       |       |                              | 016638            | 0                           |     | 0          |     | 0          |     |            |     |

**All samples will be considered DISTRIBUTION samples unless otherwise indicated.**  
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 Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.  
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 For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2015-09-09 13:30 Enumerated By: GD Audited By: CS Methodology: M/F CFU/100ml  
 Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: AM Authorized & Rechecked By: LJ/KN/TJ Copy Released By: CS/AB/HM/KN  
 Lab No. 016637 Submitting Agency @ Courtesy Notice Health Unit @ Spills Action Centre (SAC) @ AWQI # By: GD Date: 2015-09-09

| Test Methodology and Detection Limit | Detection Limit | Reportable Limit: | 1                           | Performed by                     | M/F CFU/100 ml |
|--------------------------------------|-----------------|-------------------|-----------------------------|----------------------------------|----------------|
| Total Coliform                       | COAL Endo       | Detection Limit   | 0 - 80                      | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform                       | COAL DC         | Detection Limit   | 0 - 80                      | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                              | COAL DC         | Detection Limit   | 0 - 60                      | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL Endo       | Detection Limit   | 0 - 200                     | Indicates Deterioration:         | M/F CFU/100 ml |
| Background                           | COAL DC         | Detection Limit   | 0 - 200                     | Indicates Deterioration:         | M/F CFU/100 ml |
| HPC                                  | COAL HPC        | Detection Limit   | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration:         | SP CFU/1 ml    |
| Faecal Streptococcus                 | COAL FS         | Detection Limit   | 0 - 80                      | Reportable Limit:                | M/F CFU/100 ml |

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**

4260 Burnside Line, R.R. #4  
Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
www.coalab.ca

Date Sampled: 2015 09 22

Collected By: (Please Print) Kim Marshall

Signature: Kim Marshall

Name of Facility: Kirkfield Sector

Drinking Water System (DWS) #                      Please See Below  
(As Assigned By MOE/MOHLTC)

Submitted By: (Please Print) Kim Marshall

Signature: Kim Marshall

Systems Health Unit:                     

Total # of pages sent:                     

# of samples sent this page:                     

# of samples rec'd this page: 3

Township/Town: 0

RMD/HD:                     

FOR LAB USE

RECEIVED SEP 22 2015 10:25

Date/Time/Temp. (°C) Received:                     

Initials of Receiver:                     

Date & Time Incubated: SEP 22 2015

HPC & FS Date & Time Incubated: 15:4

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson

Address: 2023 Kirkfield Road Kirkfield, ON, K0M 2B0

Telephone: 705 438-3153 Ext:                      Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Comments/Conditions:                     

| Time Sampled<br>(Indicate AM/PM with 12-hour clock or 24-hour clock) | Sample Identifier | Sampling Location<br>(Describe the location AND indicate an appropriate letter classification.<br>(R) Raw - Before Treatment & Not Consumed<br>(E) Point of Entry - Consumed<br>(RW) Raw Water - Consumed without Treatment | Requires Notification as per SDWA 2002 (Please check one) | Temp. of Sample (Indicate °F or °C) | Treatment Information - indicate Type/Chlorine Levels |                    | Laboratory Number | Total Coliform CFU/100 ml | E. coli CFU/100 ml | Background CFU/100 ml | HPC CFU/1 ml | Faecal Strip CFU/100 ml |
|--|-------------------|---|---|-------------------------------------|---|--------------------|-------------------|---------------------------|--------------------|-----------------------|--------------|-------------------------|
|  |                   |   |   |                                     | Operational/Field Chlorine                            | Free Chlorine mg/L |                   |                           |                    |                       |              |                         |
| 10:10  |                   | Bridge 44<br>34223 Mara Eldon Boundary Rd. (D)  | 170/03  | 318/08                              | 319/08  | UV                 | -017780           | 0                         | 0                  | 0                     |              |                         |
| 11:35  |                   | Bridge 50<br>1202 Ramara Rd. Lakeshore (D)  |   |                                     |   |                    | -017781           | 0                         | 0                  | 2                     |              |                         |
| 8:45   |                   | Kirkfield Shop<br>46 Talbot St. (D)   |   |                                     |   |                    | -017782           | 0                         | 0                  | 0                     |              |                         |

All samples will be considered DISTRIBUTION samples unless otherwise indicated. Sampling Precautions: Transport water samples under refrigeration to laboratory. The samples require analysis ideally within 30 hours and must be analyzed within 48 hours of collection. Analysis performed by qualified analysts. Results report only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by VCE; in those specific microbiological parameters and the following organic and physical parameters: pH, turbidity, and alkalinity. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html. Separate bottles required for additional parameters: FS & Faecal Strip. = Faecal Streptococcus HPC = Heterotrophic Plate Count; HPM = Heavy Particulate Matter; NTR = Not Reported; FS and HPC require 48 hours of incubation.

FOR LABORATORY USE ONLY / LABORATORY COMMENTS

Analysis Date & Time: SEP 23 2015 12:00 Enumerated By: GO Audited By:                     

Methodology (COAL Endo - COAL DC): M/F CFU/100ml

Analysis Date & Time:                      Enumerated By:                      Audited By:                     

Methodology (COAL HPC): SP CFU/1ml; Methodology (COAL FS): M/F CFU/100ml

Lab No:                      Reported to Submitting Agency @                      SAC @                      By:                      Date:                     

Transcribed By:                      Report Authorized By:                     

Transcription Verified By:                      Email/Mail Customer:                      Email H.U.:                      MOE/MOHLTC Upload:                      Invoiced:                     

Pre-Fax Check By: GO

**SCANNED & EMAILED** **FA X E D** **SEP 23 2015** **Page \_\_\_\_\_ of \_\_\_\_\_**

This form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O Reg 170/03 and O. Reg 318/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOHLTC. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to the number of scan & email or postal mail; and this transcript and emailed to an unlisted number of address(es) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)

Approved for use by TJ prior to use.

Primary Report, PITA 101, 1206, Revision 1.2

Page 1 of 1

FOR LAB USE ONLY

Date/Time/Temp. (°C) Received: 12:25 Initials of Receiver: AM Date & Time Incubated: SEP 22 2015 1330

HPC & FS Date & Time Incubated: 15.4

Township/Town: 0

Systems Health Unit: RMDHD

Total # of pages sent: 4

# of samples sent in this page: 4

# of samples rec'd in this page: 4

Collected By: Kim Marshall

Signature: Kim Marshall

Name of Facility: Kirkfield Sector

Drinking Water System (DWS) #: 17003

(As Assigned by MOE/MOHLTC) Please See Below

Submitted By: Kim Marshall

Signature: IC Marshall

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson

Address: 2023 Kirkfield Road Kirkfield, ON, K0M 2B0

Telephone: 705 438-3153 Ext: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

| Time Sampled (Indicate AM/PM with 12-hour clock) | Sample Identifier (Describe the location AND indicate an appropriate letter classification (D) Distribution - Consumed (R) Raw - Before Treatment & Not Consumed (E) Point of Entry - Consumed (RAW) Raw-Water - Consumed without Treatment | Requires Notification as per SDWA 2002: (Please check one) | Temp. of Sample (Indicate °F or °C) | Treatment Information - Indicate Type/Chlorine Levels |           | Additional Parameter Check If Required | Laboratory Number | Total Coliform CFU/100 ml | E. coli CFU/100 ml | Background CFU/100 ml | HPC CFU/1 m | Faecal Strep. CFU/100 m |
|--|---|--|-------------------------------------|---|-----------|--|-------------------|---------------------------|--------------------|-----------------------|-------------|-------------------------|
|  |   |  |                                     | Operational/Field Chlorine                            | Free mg/L |  |                   |                           |                    |                       |             |                         |
| 10:50  | Talbot Lock 38<br>1419 Canal Rd. (D)  | 17003  | N/A                                 | UV  | 0         | FS                                     | 017783            | 0                         | 0                  | 0                     | 0           | 0                       |
| 10:55  | Portage Lock 39<br>33245 Durham Rd. (D)   | 17003  | N/A                                 | UV  | 0         | FS                                     | 017784            | 0                         | 0                  | 0                     | 0           | 0                       |
| 11:05  | Thorah Lock 40<br>33245 Durham Rd. (D)  | 17003  | N/A                                 | UV  | 0         | FS                                     | 017785            | 0                         | 0                  | 0                     | 0           | 0                       |
| 11:10  | Gamebridge Lock 41<br>33235 Durham Rd. (D)  | 17003  | N/A                                 | UV  | 0         | FS                                     | 017785            | 0                         | 0                  | 0                     | 0           | 0                       |

All samples will be considered DISTRIBUTION samples unless otherwise indicated. Sampling Precautions: Transport water samples under refrigeration to laboratory. The samples require analysis ideally within 30 hours and must be analyzed within 48 hours of collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity; this is the responsibility of the submitting agency. For collector and handling procedures visit www.coal.ca/watersamples.html. Separate bottle required for additional parameters. FS & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count. HPM = Heavy Particulate Matter. NR = Not Received. FS and HPC require 48 hours of incubation.

FOR LABORATORY USE ONLY / LABORATORY COMMENTS

Analysis Date & Time: SEP 23 2015 12:00 Enumerated By: GN Audited By: GN Methodology (COAL Endo - COAL DC): MIF CFU/100ml

Analysis Date & Time: SEP 23 2015 12:00 Enumerated By: GN Audited By: GN Methodology (COAL HPC): SP CFU/1ml; Methodology (COAL FS): MIF CFU/100ml

Lab No: 17003 Reported to Submitting Agency @ SAC @ AWQI# 17003 By: GN

Transcribed By: IC Marshall Transcription Verified By: IC Marshall Report Authorized By: IC Marshall Email/Mail Customer: MOE/MOHLTC Upload: MOE/MOHLTC Invoiced: MOE/MOHLTC

Pre-Fax Check By: GN

SCANNED & EMAILED  
 -09-23-2015  
 SEP 23 2015  
 Page: 1 of 1

Chain of Custody

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**  
 4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

Date Sampled: 20150922

Collected By: Kim Marshall  
 Signature: *Kim Marshall*

Name of Facility: Kirkfield Sector  
 Drinking Water System (DWS) # \_\_\_\_\_  
 (As Assigned by MOE/MOHLTC) Please See Below

Submitted By: Kim Marshall  
 Signature: *Kim Marshall*

Systems Health Unit: HKPRDHU

Total # of pages sent: \_\_\_\_\_

# of samples sent this page: \_\_\_\_\_

# of samples rec'd this page: 4

FOR LAB USE ONLY

Date/Time/Temp. (°C): Received: *AWG* Initials of Receiver: \_\_\_\_\_  
 Date & Time Incubated: **SEP 22 2015** 1330  
 HPC & FS Incubated: \_\_\_\_\_  
 Date & Time Incubated: *15.4*

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson  
 Address: 2023 Kirkfield Road Kirkfield, ON, K0M 2B0  
 Telephone: 705 438-3153 Ext: \_\_\_\_\_ Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim\_marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

| Time Sampled | Sample Identification | Sampling Location                                      | Requires Notification as per SDWA 2002 (Please check one) | Temp. of Sample (Indicate °F or °C) | Treatment Information - Indicate Type/Chlorine Levels |           | Laboratory Number | Total Coliform CFU/100 ml | E. coli CFU/100 ml | Background CFU/100 ml | HPC CFU/1 ml | Faecal Strep CFU/100 ml |
|--------------|-----------------------|--|---|-------------------------------------|---|-----------|-------------------|---------------------------|--------------------|-----------------------|--------------|-------------------------|
|              |                       |  |   |                                     | Operational/Field Chlorining                          | Free mg/L |                   |                           |                    |                       |              |                         |
| 9:05         |                       | Rosedale Lock 35 #835J66E47<br>161 Trent Canal Rd. (D) | 170/03  | N/A                                 | UV  |           | 017787            | 0                         | 0                  | 0                     |              |                         |
| 8:15         |                       | Kirkfield Lock 36 #835J66E39<br>2023 Kirkfield Rd. (D) | >   | >                                   |   |           | 017786            | 0                         | 0                  | 42                    |              |                         |
| 10:20        |                       | Bolsover Lock 37 #835J66E21<br>92 Talbot Dr. (D)       | >   | >                                   |   |           | 017789            | 0                         | 0                  | 0                     |              |                         |
| 10:05        |                       | Bolsover Bridge 43 (Reg. N/A)<br>138 Bolsover Rd. (D)  | >   | >                                   |   |           | 017790            | 7                         | 2                  | 13                    |              |                         |

All samples will be considered DISTRIBUTION samples unless otherwise indicated. Sampling Precautions: Transport water samples under refrigeration to laboratory. The samples require analysis ideally within 30 hours and must be analyzed within 48 hours of collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in those specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity. COAL accepts no responsibility for parameters specified, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/lab/samples.htm. Separate bottle required for additional parameters: FS & Faecal Strep. HPC = Heterotrophic Plate Count; HPC = Heterotrophic Plate Count; HPC = Heterotrophic Plate Count.

Pre-Fax Check By: **FA X E D**

Analysis Date & Time: **SEP 23 2015 12:00** Enumerated By: *GO* Audited By: \_\_\_\_\_  
 Methodology (COAL Endo - COAL DC): MIF CFU/100ml

Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_  
 Methodology (COAL HPC): SP CFU/1ml; Methodology (COAL FS): MIF CFU/100ml

Lab No: **017790** Reported to Submitting Agency @ *12:45* H.U. @ *fax* SAC @ \_\_\_\_\_ By: *GJ* Date: *2015/9/23*  
 MOE/MOHLTC Upload: \_\_\_\_\_

Transcribed By: \_\_\_\_\_ Report Authorized By: \_\_\_\_\_  
 Transcription Verified By: \_\_\_\_\_

FOR LABORATORY USE ONLY / LABORATORY COMMENTS

THIS AREA IS FOR LABORATORY USE ONLY

Page: \_\_\_\_\_ of \_\_\_\_\_

SEP 23 2015

Primary Report: PITA 101, 1206, Revision 1.2  
 Page 1 of 1

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-10-09 13:00 |
| 2015-10-09 12:20      | 5.0                | AB        | HPC & FS Date & Time Incubated: |                  |

|                                      |                         |                              |         |
|--------------------------------------|-------------------------|------------------------------|---------|
| Date Sampled:                        | 2015-10-09              | Twp/Town Systems Health Unit | HKPRDHU |
| Collected By:                        | Chuck Wilkinson         | Regulation                   | 319/08  |
| Name of Facility                     | Kirkfield Sector        | Total # of pages sent        | 3       |
| <b>Drinking Water System (DWS) #</b> | <b>Please See Below</b> | # of samples sent            | 11      |
|                                      |                         | # of samples received        | 11      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

|               |                 |                            |
|---------------|-----------------|----------------------------|
| Submitted By: | Chuck Wilkinson | <b>Conditions/Comments</b> |
|---------------|-----------------|----------------------------|

| Time Sampled                        | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|-------------------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                                     |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Rosedale Lock 35 #835J66E47</b>  |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:15                               |                   | 161 Trent Canal Rd.               | D          |                         |                       |       |                              |                             | 019008            | 0              |            | 0       |            | 0          |            |     |          |
| <b>Kirkfield Lock 36 #835J66E39</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:30                               |                   | 2023 Kirkfield Rd.                | D          |                         |                       |       |                              |                             | 019009            | 0              |            | 0       |            | 0          |            |     |          |
| <b>Bolover Lock 37 #835J66E21</b>   |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:15                               |                   | 92 Talbot Dr.                     | D          |                         |                       |       |                              |                             | 019010            | 0              |            | 0       |            | 0          |            |     |          |
| <b>Bolover Bridge 43 (Reg. N/A)</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:00                               |                   | 138 Bolover Rd.                   | D          |                         |                       |       |                              |                             | 019011            | 0              |            | 0       |            | 0          |            |     |          |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2015-10-10 12:00 Enumerated By: TW Audited By: LJ Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: SS Authorized & Rechecked By: LJ/TJ/KN Copy Released By: LJ/HM/SS

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

Test Methodology and Detection Limit

|                      |           |                 |                             |                          |      |                                  |                |
|----------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform       | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



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 www.coalab.ca

**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-10-09 13:00 |
| 2015-10-09 12:20      | 5.0                | AB        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-10-09

Collected By: Chuck Wilkinson

Name of Facility: Kirkfield Sector

Drinking Water System (DWS) #: Please See Below

Submitted By: Chuck Wilkinson

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | 318/08         |
| Total # of pages sent | 3              |
| # of samples sent     | 11             |
| # of samples received | 11             |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

|                            |
|----------------------------|
| <b>Conditions/Comments</b> |
|----------------------------|

| Time Sampled              | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|---------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                           |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Talbot Lock 38</b>     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:45                     |                   | 1419 Canal Rd.                    | D          |                         |                       |       |                              |                             | 019012            | 0              |            | 0       |            | 0          |            |     |          |
| <b>Portage Lock 39</b>    |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:00                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              |                             | 019013            | 0              |            | 0       |            | 0          |            |     |          |
| <b>Thorah Lock 40</b>     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:05                     |                   | 33245 Durham Rd.                  | D          |                         |                       |       |                              |                             | 019014            | 0              |            | 0       |            | 0          |            |     |          |
| <b>Gamebridge Lock 41</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:15                     |                   | 33235 Durham Rd.                  | D          |                         |                       |       |                              |                             | 019015            | 0              |            | 0       |            | 0          |            |     |          |

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For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2015-10-10 12:00 Enumerated By: TW Audited By: LJ Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: SS Authorized & Rechecked By: LJ/TJ/KN Copy Released By: LJ/HM/SS

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

Test Methodology and Detection Limit

|                      |           |                 |                             |                          |      |                                  |                |
|----------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform.      | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |



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 Orillia, ON L3V 6H4  
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 www.coalab.ca

**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-10-09 13:00 |
| 2015-10-09 12:20      | 5.0                | AB        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-10-09

Collected By: Chuck Wilkinson

Name of Facility: Kirkfield Sector

Drinking Water System (DWS) #: Please See Below

Submitted By: Chuck Wilkinson

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | N/A            |
| Total # of pages sent | 3              |
| # of samples sent     | 11             |
| # of samples received | 11             |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

| Conditions/Comments |
|---------------------|
|                     |

| Time Sampled          | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |  |
|-----------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|--|
|                       |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |  |
| <b>Bridge 44</b>      |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |  |
| 10:10                 |                   | 34223 Mara Eldon Boundary Rd.     | D          |                         |                       |       |                              |                             | 019016            | 0              |            | 0       |            | 0          |            |     |          |  |
| <b>Bridge 50</b>      |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |  |
| 11:20                 |                   | 1202 Ramara Rd. Lakeshore         | D          |                         |                       |       |                              |                             | 019017            | 0              |            | 0       |            | 0          |            |     |          |  |
| <b>Kirkfield Shop</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |  |
| 08:40                 |                   | 46 Talbot St.                     | D          |                         |                       |       |                              |                             | 019018            | 0              |            | 0       |            | 0          |            |     |          |  |

**All samples will be considered DISTRIBUTION samples unless otherwise indicated.**  
**All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).**  
 Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.  
 COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.  
 For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
 F.S. & Faecal Strep. = Faecal Streptococcus    HPC = Heterotrophic Plate Count    HPM = Heavy Particulate Matter    N/R = Not Received    F.S. and HPC require 48 hours of incubation    Raw Water Consumed = RWC  
 Raw = R  
 Distribution = D  
 Point of Entry = E

Analysis Date & Time: 2015-10-10 12:00 Enumerated By: TW Audited By: LJ Methodology: M/F CFU/100ml  
 Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: SS Authorized & Rechecked By: LJ/TJ/KN Copy Released By: LJ/HM/SS  
 Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

| Test Methodology and Detection Limit |           |                 |                             |                          |      |                                  |
|--------------------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|
| Total Coliform                       | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration |
| Total Coliform                       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration |

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**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-11-04 12:20 |
| 2015-11-04 11:30      | 18.6               | AB        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-11-04  
 Collected By: Kim Marshall  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**  
 Submitted By: Carson Scobbie

|                       |         |
|-----------------------|---------|
| Twp/Town              |         |
| Systems Health Unit   | HKPRDHU |
| Regulation            | 319/08  |
| Total # of pages sent | 1       |
| # of samples sent     | 1       |
| # of samples received | 1       |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

**Conditions/Comments**

| Time Sampled                        | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|-------------------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                                     |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Kirkfield Lock 36 #835J66E39</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:05                               |                   | 2023 Kirkfield Rd.                | D          |                         |                       |       |                              |                             | 020667            | 0              |            | 0       |            | 0          |            |     |          |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

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 For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter NR = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Raw = R  
 Distribution = D  
 Point of Entry = E

Analysis Date & Time: 2015-11-05 11:00 Enumerated By: GD Audited By: CS Methodology: M/F CFU/100ml  
 Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: DL Authorized & Rechecked By: LJ/TJ Copy Released By: CS/AB/SS/DL

Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

**Test Methodology and Detection Limit**

|                      |           |                 |                             |                          |      |                                  |                |
|----------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform       | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-08-20 12:15 |
| 2015-08-20 11:48      | 22.5               | MH        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-08-20  
 Collected By: Curtis Poulosom  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | 318/08         |
| Total # of pages sent | 1              |
| # of samples sent     | 1              |
| # of samples received | 1              |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Curtis Poulosom

Conditions/ Comments: RE-SAMPLE

| Time Sampled              | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|---------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                           |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Gamebridge Lock 41</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:00                     | CP                | 33235 Durham Rd.                  | D          |                         |                       |       |                              |                             | 015497            | 0              |            | 0       |            | 0          |            |     |          |
|                           |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                           |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                           |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                           |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                           |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                           |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                           |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.  
 All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).  
 Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.  
 COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.  
 For collection and handling procedures visit www.coalab.ca/watersamples.html  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Raw = R  
 Distribution = D  
 Point of Entry = E  
 Raw Water Consumed = RWC

Analysis Date & Time: 2015-08-21 10:30 Enumerated By: SC Audited By: LJ Methodology: M/F CFU/100ml  
 Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN Copy Released By: SC/AB/HM/KN  
 Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

| Test Methodology and Detection Limit | COAL     | Endo            | Detection Limit             | 0 - 80                   | Reportable Limit: | 1                                | Performed by Membrane Filtration | M/F CFU/100 ml |
|--------------------------------------|----------|-----------------|-----------------------------|--------------------------|-------------------|----------------------------------|----------------------------------|----------------|
| Total Coliform.                      | COAL DC  | Detection Limit | 0 - 80                      | Reportable Limit:        | 1                 | Performed by Membrane Filtration | M/F CFU/100 ml                   |                |
| Total Coliform                       | COAL DC  | Detection Limit | 0 - 60                      | Reportable Limit:        | 1                 | Performed by Membrane Filtration | M/F CFU/100 ml                   |                |
| E. coli                              | COAL DC  | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200              | Performed by Membrane Filtration | M/F CFU/100 ml                   |                |
| Background                           | COAL DC  | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200              | Performed by Membrane Filtration | M/F CFU/100 ml                   |                |
| HPC                                  | COAL HPC | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500              | Performed by Spread Plate        | SP CFU/1 ml                      |                |
| Faecal Streptococcus                 | COAL FS  | Detection Limit | 0 - 80                      | Reportable Limit:        | 1                 | Performed by Membrane Filtration | M/F CFU/100 ml                   |                |

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



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 www.coalab.ca

**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-08-21 12:00 |
| 2015-08-21 11:35      | 22.9               | AB        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-08-21  
 Collected By: Shawn Finn  
 Name of Facility: Kirkfield Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |        |
|-----------------------|--------|
| Twp/Town              |        |
| Systems Health Unit   | RMDHD  |
| Regulation            | 319/08 |
| Total # of pages sent | 1      |
| # of samples sent     | 1      |
| # of samples received | 1      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: \_\_\_\_\_  
**Conditions/ Resample Comments**

| Time Sampled              | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              | Laboratory Number | Total Coliform              |     | E. coli    |     | Background |     | HPC        |     |
|---------------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-------------------|-----------------------------|-----|------------|-----|------------|-----|------------|-----|
|                           |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) |                   | Free Cl <sub>2</sub> (mg/L) | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< |
| <b>Gamebridge Lock 41</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 10:45                     | SF                | 33235 Durham Rd.                  | D          |                         |                       |       |                              | 015524            | 0                           | 0   | 0          |     |            |     |            |     |
|                           |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                           |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                           |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                           |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                           |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                           |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                           |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                           |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                           |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                           |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                           |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                           |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.  
 All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).  
 Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.  
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 For collection and handling procedures visit www.coalab.ca/watersamples.html  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter NR = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2015-08-22 10:30 Enumerated By: SC Audited By: LJ Methodology: M/F CFU/100ml  
 Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: DL Authorized & Rechecked By: LJ/TJ/KN Copy Released By: SC/HM/ST/LJ  
 Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

| Test Methodology and Detection Limit | Detection Limit                      | Reportable Limit: | Methodology                                     |
|--------------------------------------|--------------------------------------|-------------------|---|
| Total Coliform                       | COAL Endo 0 - 80                     | 1                 | Performed by Membrane Filtration M/F CFU/100 ml |
| Total Coliform                       | COAL DC 0 - 80                       | 1                 | Performed by Membrane Filtration M/F CFU/100 ml |
| E. coli                              | COAL DC 0 - 60                       | 1                 | Performed by Membrane Filtration M/F CFU/100 ml |
| Background                           | COAL Endo 0 - 200                    | >200              | Indicates Deterioration: M/F CFU/100 ml         |
| Background                           | COAL DC 0 - 200                      | >200              | Indicates Deterioration: M/F CFU/100 ml         |
| HPC                                  | COAL HPC 10 - 2.00 x 10 <sup>3</sup> | >500              | Indicates Deterioration: SP CFU/1 ml            |
| Faecal Streptococcus                 | COAL FS 0 - 80                       | 1                 | Performed by Membrane Filtration M/F CFU/100 ml |

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**

4260 Burnside Line, R.R. #4  
Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
www.coalab.ca

Date Sampled: 2015-07-21

Collected By: (Please Print) Elie Wright

Signature: [Signature]

Name of Facility: Kirkfield Sector

Drinking Water System (DWS) #  
(As Assigned By MOE/MOHLTC) **Please See Below**

Submitted By: (Please Print) Elie Wright

Signature: [Signature]

|  |          |
|--|----------|
| Township/Town<br><b>Kawartha Lakes</b> |          |
| Systems Health Unit<br><b>HKPRDHU</b>  |          |
| Total # of pages sent                  |          |
| # of samples sent this page            |          |
| # of samples r'cvd this page           | <b>3</b> |

Comments/Conditions:

**Chain of Custody** Primary Report of Chemical Analysis of Water

|                  |  |                       |                             |           |
|------------------|--|-----------------------|-----------------------------|-----------|
| FOR LAB USE ONLY | Date/Time/Temp. (°C) Received:           | Initials of Receiver: | Date & Time Lead Preserved: | Tech:     |
|                  | <b>RECEIVED JUL 21 2015 3:15 y 21.6°</b> |                       | <b>JUL 21 2015 1323</b>     | <b>SC</b> |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: **2023 Kirkfield Road Kirkfield, ON. K0M 2B0**

Telephone: **705 438-3153** Ext: Fax: **705-438-5201 + Scan & Email**

Email Address: **chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca**

"Live Person" After Hours Contact Name and Tel. No: **Chuck Wilkinson 705-887-8390**

| Time Sampled<br>(Indicate AM/PM with 12 hour clock or use 24-hour clock) | Sample Identifier | Sampling Location<br>Describe the location AND indicate an appropriate letter classification.<br>(D) Distribution - Consumed<br>(R) Raw - Before Treatment & Not Consumed<br>(E) Point of Entry - Consumed<br>(RWC) Raw Water - Consumed | Requires Notification as per SDWA 2002:<br>(Please check one) |        |        |     | Temp. of Sample<br>(Indicate °F or °C) | Parameters:<br>Please Check if Required |           |            |             | Laboratory Number | Lead<br>µg/L | Turbidity<br>NTU | Alkalinity<br>mg/L as CaCO <sub>3</sub> | pH<br>(at 25°C) |
|--|-------------------|--|---|--------|--------|-----|--|---|-----------|------------|-------------|-------------------|--------------|------------------|---|-----------------|
|  |                   |  | 170/03  | 318/08 | 319/08 | N/A |  | Lead                                    | Turbidity | Alkalinity | pH          |                   |              |                  |   |                 |
| <b>THIS AREA IS FOR LABORATORY USE ONLY</b>                              |                   |  |   |        |        |     |  |   |           |            |             |                   |              |                  |   |                 |
|  |                   | <b>Rosedale Lock 35 #835J66E47</b>   |   |        |        |     |  |   |           |            |             |                   |              |                  |   |                 |
|  |                   | 161 Trent Canal Rd. (D)  |   |        | ✓      |     |  | ✓                                       |           |            |             |                   |              |                  |   |                 |
|  |                   | <b>Kirkfield Lock 36 #835J66E39</b>  |   |        |        |     |  |   |           |            |             |                   |              |                  |   |                 |
|  | <b>9130</b>       | 2023 Kirkfield Rd. (D)   |   |        | ✓      |     |  | ✓                                       |           |            | <b>L-87</b> |                   |              |                  |   |                 |
|  |                   | <b>Bolsover Lock 37 #835J66E21</b>   |   |        |        |     |  |   |           |            |             |                   |              |                  |   |                 |
|  |                   | 92 Talbot Dr. (D)  |   |        | ✓      |     |  | ✓                                       |           |            |             |                   |              |                  |   |                 |
|  |                   | <b>Bolsover Bridge 43 (Reg. N/A)</b>   |   |        |        |     |  |   |           |            |             |                   |              |                  |   |                 |
|  |                   | 138 Bolsover Rd. (D)   |   |        |        | ✓   |  |   |           |            |             |                   |              |                  |   |                 |

**Sampling Precautions:** Transport water samples under refrigeration to laboratory; avoid freezing. COAL is accredited by SCC and licensed by MOE in these specific inorganic and physical parameters. Lead samples receive immediate preservation by laboratory and must analyzed within 60 days of collection. Turbidity, Total Alkalinity, and pH samples require analysis as soon as possible and no later than 14 days after collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL accepts no responsibility for parameters selected, misidentification of samples, incorrect quantity or incorrect collection procedure; this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html  
N/R = Not Received N/A = Not Applicable

Pre-Fax Check By: **SC**

FOR LABORATORY USE ONLY / LABORATORY COMMENTS **OCT 21/15 @ 11:01 spoke with Chuck re lead results retraction NB.**

Analysis Date & Time: **JUL 22 2015** Analyzed By: **SC** Audited By: **y** Methodology (COAL AA): Detection Limit: 1.00 µg/L, Reportable Limit: 10.0 µg/L  
 Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL T): Nephelometric NTU  
 Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL pH): Electrometric pH  
 Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL Alk): Digital Titration mg/L

**RECEIVED FAXED**  
**JUL 23 2015**  
Page **1** of **4**

Lab No: \_\_\_\_\_ Adverse Reported to Submitting Agency @ \_\_\_\_\_ H.U. @ \_\_\_\_\_ SAC @ \_\_\_\_\_ AWQI# \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

Transcribed By: **om** 2015.07.29 Transcription Verified By: **[Signature]** Report Authorized By: **[Signature]** Email/Mail Customer: **[Signature]** Email H.U.: **[Signature]** MOE/MOHLTC Upload: **[Signature]** Invoiced: **04 SEP 2015**

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 318/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOH/Waterworks for O. Reg 170/03 and to MOHLTC/MOH/Waterworks for O. Reg 318/08, 319/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



4260 Burnside Line, R.R. #4  
Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
www.coalab.ca

Date Sampled: 07/21/15

Collected By: (Please Print) Elie Wright

Signature: [Signature]  
Name of Facility: Kirkfield Sector

Drinking Water System (DWS) # (As Assigned By MOE/MOHLTC) **Please See Below**

Submitted By: (Please Print) Elie Wright

Signature: [Signature]

|  |          |
|--|----------|
| Township/Town<br><b>Kawartha Lakes</b> |          |
| Systems Health Unit<br><b>RMDHU</b>    |          |
| Total # of pages sent                  |          |
| # of samples sent this page            |          |
| # of samples r/cvd this page           | <b>1</b> |

Comments/Conditions:

**Chain of Custody**

|   |  |                                     |  |   |
|---|--|-------------------------------------|--|---|
| FOR LAB USE ONLY  | Date/Time/Temp. (°C) Received: <u>13:15</u>                                    | Initials of Receiver: <u>y 21.6</u> | Date & Time Lead Preserved: <u>JUL 21 2015 13:21</u> | Tech: <u>SC</u>                             |
|   | Report To: <b>Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson</b> |                                     |  |   |
| Address: <u>2023 Kirkfield Road Kirkfield, ON, K0M 2B0</u>                                      |  |                                     |  |   |
| Telephone: <u>705 438-3153</u>  |  | Ext: _____                          |  | Fax: <u>705-438-5201 + Scan &amp; Email</u> |
| Email Address: <u>chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca</u> |  |                                     |  |   |
| "Live Person" After Hours Contact Name and Tel. No: <u>Chuck Wilkinson 705-887-8390</u>         |  |                                     |  |   |

| Time Sampled (Indicate AM/PM with 12-hour clock or use 24-hour clock) | Sample Identifier | Sampling Location<br>Describe the location AND indicate an appropriate letter classification.<br>(D) Distribution - Consumed<br>(R) Raw - Before Treatment & Not Consumed<br>(E) Point of Entry - Consumed<br>(RWC) Raw Water - Consumed | Requires Notification as per SDWA 2002: (Please check one) |        |        | Temp. of Sample (Indicate °F or °C) | Parameters: Please Check if Required |      |           |            | Laboratory Number | Lead µg/L | Turbidity NTU | Alkalinity mg/L as CaCO <sub>3</sub> | pH (at 25°C) |
|---|-------------------|--|--|--------|--------|-------------------------------------|--------------------------------------|------|-----------|------------|-------------------|-----------|---------------|--------------------------------------|--------------|
|   |                   |  | 170/03   | 318/08 | 319/08 |                                     | N/A                                  | Lead | Turbidity | Alkalinity |                   |           |               |                                      |              |
| THIS AREA IS FOR LABORATORY USE ONLY                                  |                   |  |  |        |        |                                     |                                      |      |           |            |                   |           |               |                                      |              |
|   |                   | <b>Talbot Lock 38</b>  |  |        |        |                                     |                                      |      |           |            |                   |           |               |                                      |              |
|   |                   | 1419 Canal Rd. (D)   |  |        | ✓      |                                     |                                      |      |           |            |                   |           |               |                                      |              |
|   |                   | <b>Portage Lock 39</b>   |  |        |        |                                     |                                      |      |           |            |                   |           |               |                                      |              |
|   |                   | 33245 Durham Rd. (D)   |  |        | ✓      |                                     |                                      |      |           |            |                   |           |               |                                      |              |
|   |                   | <b>Thorah Lock 40</b>  |  |        |        |                                     |                                      |      |           |            |                   |           |               |                                      |              |
| <u>10:00</u>  |                   | 33245 Durham Rd. (D)   |  |        | ✓      |                                     |                                      |      |           |            |                   |           |               |                                      |              |
|   |                   | <b>Gamebridge Lock 41</b>  |  |        |        |                                     |                                      |      |           |            |                   |           |               |                                      |              |
|   |                   | 33235 Durham Rd. (D)   |  |        | ✓      |                                     |                                      |      |           |            |                   |           |               |                                      |              |

**Sampling Precautions:** Transport water samples under refrigeration to laboratory; avoid freezing. COAL is accredited by SCC and licensed by MOE in these specific inorganic and physical parameters. Lead samples receive immediate preservation by laboratory and must analyzed within 60 days of collection. Turbidity, Total Alkalinity, and pH samples require analysis as soon as possible and no later than 14 days after collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL accepts no responsibility for parameters selected, misidentification of samples, incorrect quantity or incorrect collection procedure; this is the responsibility of the submitting agency. For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
N/R = Not Received N/A = Not Applicable

Pre-Fax Check By: SC

**FOR LABORATORY USE ONLY / LABORATORY COMMENTS**

Analysis Date & Time: JUL 22 2015 16:33 Analyzed By: SC Audited By: y Methodology (COAL AA): Detection Limit: 1.00 µg/L, Reportable Limit: 10.0 µg/L

Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL T): Nephelometric NTU

Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL pH): Electrometric pH

Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL Alk): Digital Titration mg/L

Lab No: \_\_\_\_\_ Adverse Reported to Submitting Agency @ \_\_\_\_\_ H.U. @ \_\_\_\_\_ SAC @ \_\_\_\_\_ AWQ# \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

Transcribed By: \_\_\_\_\_ Transcription Verified By: \_\_\_\_\_ Report Authorized By: \_\_\_\_\_ Email/Mail Customer: \_\_\_\_\_ Email H.U.: \_\_\_\_\_ MOE/MOHLTC Upload: \_\_\_\_\_ Invoiced: \_\_\_\_\_

**RECEIVED**  
13 JUL 23 2015  
2 of 4  
SCANNED & EMAILLED  
-07- 23 2015

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 318/08, 319/08 (please see [www.ontario.ca](http://www.ontario.ca) for more information), requires that notification of exceedances must be reported to MOE/MOH/Waterworks for O. Reg 170/03 and to MOHLTC/MOH/Waterworks for O. Reg 318/08, 319/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**

4260 Burnside Line, R.R. #4  
Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
www.coalab.ca

Date Sampled: 2015-07-21

Collected By: (Please Print) Elie Wright

Signature: [Signature]  
Name of Facility: Kirkfield Sector

Drinking Water System (DWS) #  
(As Assigned by MOE/MOHLTC) **Please See Below**

Submitted By: (Please Print) Elie Wright

Signature: [Signature]

|                                 |   |
|---------------------------------|---|
| Township/Town<br>Kawartha Lakes |   |
| Systems Health Unit<br>RMDHU    |   |
| Total # of pages sent           |   |
| # of samples sent this page     |   |
| # of samples/rcvd this page     | 1 |

Comments/Conditions:

**Chain of Custody** Primary Report of Chemical Analysis of Water

|                  |                                |                       |                             |       |
|------------------|--------------------------------|-----------------------|-----------------------------|-------|
| FOR LAB USE ONLY | Date/Time/Temp. (°C) Received: | Initials of Receiver: | Date & Time Lead Preserved: | Tech: |
|                  | RECEIVED<br>JUL 21 2015 13:15  | g 21.6                | JUL 21 2015<br>1326         |       |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

| Time Sampled<br>(Indicate AM/PM with 12-hour clock or use 24-hour clock) | Sample Identifier | Sampling Location<br>Describe the location AND indicate an appropriate letter classification.<br>(D) Distribution - Consumed<br>(R) Raw - Before Treatment & Not Consumed<br>(E) Point of Entry - Consumed<br>(RWC) Raw Water - Consumed | Requires Notification as per SDWA 2002:<br>(Please check one) |                   |     |      | Temp. of Sample<br>(Indicate °F or °C) | Parameters:<br>Please Check if Required |            |    |                 | Laboratory Number | Lead<br>µg/L | Turbidity<br>NTU                  | Alkalinity<br>mg/L as CaCO <sub>3</sub> | pH<br>(at 25°C) |
|--|-------------------|--|---|-------------------|-----|------|--|---|------------|----|-----------------|-------------------|--------------|-----------------------------------|---|-----------------|
|  |                   |  | 170/03  | 318/08;<br>319/08 | N/A | Lead |  | Turbidity                               | Alkalinity | pH |                 |                   |              |                                   |   |                 |
| THIS AREA IS FOR LABORATORY USE ONLY                                     |                   |  |   |                   |     |      |  |   |            |    |                 |                   |              |                                   |   |                 |
| <b>Bridge 44</b>   |                   |  |   |                   |     |      |  |   |            |    |                 |                   |              |                                   |   |                 |
|  |                   | 34223 Mara Eldon Boundary Rd. (D)  |   | ✓                 |     |      | ✓                                      |   |            |    |                 |                   |              |                                   |   |                 |
| <b>Bridge 50</b>   |                   |  |   |                   |     |      |  |   |            |    |                 |                   |              |                                   |   |                 |
|  |                   | 1202 Ramara Rd. Lakeshore (D)  |   | ✓                 |     |      | ✓                                      |   |            |    |                 |                   |              |                                   |   |                 |
| <b>Kirkfield Shop</b>  |                   |  |   |                   |     |      |  |   |            |    |                 |                   |              |                                   |   |                 |
| 9:26   |                   | 46 Talbot St. (D)  |   | ✓                 |     |      | ✓                                      |   |            |    | L-89<br>L-89 AP | 400<br>ND&U       | g            | Nodata quality control unreliable |   |                 |

**Sampling Precautions:** Transport water samples under refrigeration to laboratory; avoid freezing. COAL is accredited by SCC and licensed by MOE in these specific inorganic and physical parameters. Lead samples receive immediate preservation by laboratory and must analyzed within 60 days of collection. Turbidity, Total Alkalinity, and pH samples require analysis as soon as possible and no later than 14 days after collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL accepts no responsibility for parameters selected, misidentification of samples, incorrect quantity or incorrect collection procedure; this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html  
N/R = Not Received N/A = Not Applicable

Oct 2/15  
Pre-Fax Check By: SC AB ST

**FOR LABORATORY USE ONLY / LABORATORY COMMENTS**

Analysis Date & Time: 1693 JUL 22 2015 Analyzed By: SC Audited By: [Signature] Methodology (COAL AA): Detection Limit: 1.00 µg/L, Reportable Limit: 10.0 µg/L

Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL T): Nephelometric NTU

Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL pH): Electrometric pH

Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL AIK): Digital Titration mg/L

Lab No: \_\_\_\_\_ Adverse Reported to Submitting Agency @ \_\_\_\_\_ H.U. @ \_\_\_\_\_ SAC @ \_\_\_\_\_ AWQI# \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

Transcribed By: \_\_\_\_\_ Transcription Verified By: \_\_\_\_\_ Report Authorized By: \_\_\_\_\_ Email/Mail Customer: \_\_\_\_\_ Email H.U.: \_\_\_\_\_ MOE/MOHLTC Upload: \_\_\_\_\_ Invoiced: \_\_\_\_\_

**FAXED**  
AB ST  
ED  
23 2015  
3 of 4

-07-23 2015  
[Signature]

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



4260 Burnside Line, R.R. #4  
Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
www.coalab.ca

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-07-28 15:00 |
| 2015-07-28 12:40      | 8.4                | AB        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-07-28  
Collected By: Ellie Wright  
Name of Facility: Kirkfield Sector  
Drinking Water System (DWS) #: **Please See Below**

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | RMDHD          |
| Regulation            | N/A            |
| Total # of pages sent | 1              |
| # of samples sent     | 3              |
| # of samples received | 3              |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Ellie Wright

**Conditions/Comments**

| Time Sampled          | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|-----------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                       |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Bridge 44</b>      |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:00                 |                   | 34223 Mara Eldon Boundary Rd      | D          |                         |                       |       |                              |                             | 013492            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Bridge 50</b>      |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:40                 |                   | 1202 Ramara Rd. Lakeshore         | D          |                         |                       |       |                              |                             | 013493            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Kirkfield Shop</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:00                 |                   | 46 Talbot St.                     | D          |                         |                       |       |                              |                             | 013494            | 0              | 0          | 0       |            |            |            |     |          |

**All samples will be considered DISTRIBUTION samples unless otherwise indicated.**  
**All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).**  
 Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.  
 COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.  
 For collection and handling procedures visit www.coalab.ca/watersamples.html  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC  
 Raw = R  
 Distribution = D  
 Point of Entry = E

Analysis Date & Time: 2015-07-29 13:30 Enumerated By: GD Audited By: CS Methodology: M/F CFU/100ml  
 Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: SS Authorized & Rechecked By: LJ/TJ/KN Copy Released By: CS/AB/TW/AM  
 Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

| Test Methodology and Detection Limit |           |                 |                             |                          |      |                                  |                |
|--------------------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform                       | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform                       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |



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Tel: (705) 326-8285 Fax: (705) 326-9316  
www.coalab.ca

**Chain of Custody**

Primary Report of Chemical Analysis of Water

|                  |   |                                     |  |                    |
|------------------|---|-------------------------------------|--|--------------------|
| FOR LAB USE ONLY | Date/Time/Temp. (°C) Received: <b>12:20</b> | Initials of Receiver: <b>AB S.O</b> | Date & Time Lead Preserved: <b>12:29</b> | Tech: <b>SC</b>    |
|                  | <b>OCT 09 2015</b>                          |                                     |  | <b>OCT 09 2015</b> |

Date Sampled: **20151009**  
Y Y Y Y M M D D

|  |              |
|--|--------------|
| Township/Town<br><b>Kawartha Lakes</b> |              |
| Systems Health Unit                    | <b>RMDHU</b> |
| Total # of pages sent                  |              |
| # of samples sent this page            |              |
| # of samples r/cvd this page           | <b>1</b>     |

Collected By: **CHUCK WILKINSON**  
(Please Print)

Signature: *[Signature]*  
Name of Facility: **Kirkfield Sector**

Drinking Water System (DWS) #  
(As Assigned by MOE/MOHLTC) **Please See Below**

Submitted By: **CHUCK WILKINSON**  
(Please Print)

Signature: \_\_\_\_\_

Comments/Conditions:

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: **2023 Kirkfield Road Kirkfield, ON. K0M 2B0**

Telephone: **705 438-3153** Ext: \_\_\_\_\_ Fax: **705-438-5201 + Scan & Email**

Email Address: **chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca**

"Live Person" After Hours Contact Name and Tel. No: **Chuck Wilkinson 705-887-8390**

| Time Sampled<br>(Indicate AM/PM with 12 hour clock or use 24-hour clock) | Sample Identifier | Sampling Location<br>Describe the location AND indicate an appropriate letter classification.<br>(D) Distribution - Consumed<br>(R) Raw - Before Treatment & Not Consumed<br>(E) Point of Entry - Consumed<br>(RWC) Raw Water - Consumed | Requires Notification as per SDWA 2002:<br>(Please check one) |        |        |     | Temp. of Sample<br>(Indicate °F or °C) | Parameters:<br>Please Check if Required |           |            |             | Laboratory Number | Lead µg/L | Turbidity NTU | Alkalinity mg/L as CaCO <sub>3</sub> | pH (at 25°C) |
|--|-------------------|--|---|--------|--------|-----|--|---|-----------|------------|-------------|-------------------|-----------|---------------|--------------------------------------|--------------|
|  |                   |  | 170/03  | 318/08 | 319/08 | N/A |  | Lead                                    | Turbidity | Alkalinity | pH          |                   |           |               |                                      |              |
|  |                   | <del>1410 Canal Rd. (D)</del>  |   | ✓      |        |     | ✓                                      |   |           |            |             |                   |           |               |                                      |              |
|  |                   | <del>33245 Durham Rd. (D)</del>  |   | ✓      |        |     | ✓                                      |   |           |            |             |                   |           |               |                                      |              |
| <b>11:05</b>   |                   | <b>33245 Durham Rd. (D)</b>  |   | ✓      |        |     | ✓                                      |   |           |            | <b>4165</b> | <b>&lt;1.00</b>   |           |               |                                      |              |
|  |                   | <del>33245 Durham Rd. (D)</del>  |   | ✓      |        |     | ✓                                      |   |           |            |             |                   |           |               |                                      |              |

**Sampling Precautions:** Transport water samples under refrigeration to laboratory; avoid freezing. COAL is accredited by SCC and licensed by MOE in these specific inorganic and physical parameters. Lead samples receive immediate preservation by laboratory and must analyzed within 60 days of collection. Turbidity, Total Alkalinity, and pH samples require analysis as soon as possible and no later than 14 days after collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL accepts no responsibility for parameters selected, misidentification of samples, incorrect quantity or incorrect collection procedure; this is the responsibility of the submitting agency. For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
N/R = Not Received N/A = Not Applicable

Pre-Fax Check By: *[Signature]* **AB**

**FOR LABORATORY USE ONLY / LABORATORY COMMENTS**

**DEC 04 2015**

Analysis Date & Time: \_\_\_\_\_ Analyzed By: **CAOUCON** Audited By: *[Signature]* Methodology (COAL AA): Detection Limit: 1.00 µg/L, Reportable Limit: 10.0 µg/L

Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL T): Nephelometric NTU

Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL pH): Electrometric pH

Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL Alk): Digital Titration mg/L

Lab No: \_\_\_\_\_ Adverse Reported to Submitting Agency @ \_\_\_\_\_ H.U. @ \_\_\_\_\_ SAC @ \_\_\_\_\_ AWQI# \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_ of \_\_\_\_\_

Transcribed By: \_\_\_\_\_ Transcription Verified By: \_\_\_\_\_ Report Authorized By: \_\_\_\_\_ Email/Mail Customer: \_\_\_\_\_ Email H.U.: \_\_\_\_\_ MOE/MOHLTC Upload: \_\_\_\_\_ Invoiced: \_\_\_\_\_

**SCANNED & EMAILED**  
**-12- 09 2015**  
**BY FAXED**  
**DEC 09 2015**  
Page \_\_\_\_\_ of \_\_\_\_\_  
**16:47-14**

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 318/08; 319/08 (please see [www.ene.gov.on.ca](http://www.ene.gov.on.ca) for more information), requires that notification of exceedances must be reported to MOE/MOH/Waterworks for O. Reg 170/03 and to MOHLTC/MOH/Waterworks for O. Reg 318/08; 319/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**

4260 Burnside Line, R.R. #4  
Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
www.coalab.ca

Date Sampled: 20151009

Collected By: (Please Print) Chuck Wilkinson

Signature: [Signature]

Name of Facility: Washago Sector

Drinking Water System (DWS) # (As Assigned By MOE/MOHLTC) Please See Below

Submitted By: (Please Print) Chuck Wilkinson

Signature: [Signature]

| Township/Town                |       |
|------------------------------|-------|
| Simcoe Muskoka               |       |
| Systems Health Unit          | RMDHU |
| Total # of pages sent        | 1     |
| # of samples sent this page  |       |
| # of samples r/cvd this page | 1     |

**Chain of Custody**

Primary Report of Chemical Analysis of Water

|                  |  |                                   |  |                 |
|------------------|--|-----------------------------------|--|-----------------|
| FOR LAB USE ONLY | Date/Time/Temp. (°C) Received: <b>RECEIVED</b><br><b>OCT 07 2015</b><br><i>14:10 MW</i><br><i>21.4°C</i> | Initials of Receiver: <i>1507</i> | Date & Time Lead Preserved: <b>OCT 07 2015</b> | Tech: <i>SC</i> |
|------------------|--|-----------------------------------|--|-----------------|

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: **2023 Kirkfield Road Kirkfield, ON. K0M 2B0**

Telephone: **705 438-3153** Ext: Fax: **705-438-5201 + Scan & Email**

Email Address: **chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca**

"Live Person" After Hours Contact Name and Tel. No: **Chuck Wilkinson 705-887-8390**

Comments/Conditions:

| Time Sampled (Indicate AM/PM with 12 hour clock or use 24-hour clock) | Sample Identifier | Sampling Location<br>Describe the location AND indicate an appropriate letter classification.<br>(D) Distribution - Consumed<br>(R) Raw - Before Treatment & Not Consumed<br>(E) Point of Entry - Consumed<br>(RWC) Raw Water - Consumed | Requires Notification as per SDWA 2002: (Please check one) |                |     | Temp. of Sample (Indicate °F or °C) | Parameters: Please Check if Required |           |            |    | Laboratory Number | Lead µg/L | Turbidity NTU | Alkalinity mg/L as CaCO <sub>3</sub> | pH (at 25°C) |
|---|-------------------|--|--|----------------|-----|-------------------------------------|--------------------------------------|-----------|------------|----|-------------------|-----------|---------------|--------------------------------------|--------------|
|   |                   |  | 170/03   | 318/08; 319/08 | N/A |                                     | Lead                                 | Turbidity | Alkalinity | pH |                   |           |               |                                      |              |
| THIS AREA IS FOR LABORATORY USE ONLY                                  |                   |  |  |                |     |                                     |                                      |           |            |    |                   |           |               |                                      |              |
|   |                   | Bridge 57  |  |                |     |                                     |                                      |           |            |    |                   |           |               |                                      |              |
|   |                   | <del>1644 Peninsula Pt. Rd. (D)</del>  |  |                |     |                                     |                                      |           |            |    |                   |           |               |                                      |              |
|   |                   | Washago Shop   |  |                |     |                                     |                                      |           |            |    |                   |           |               |                                      |              |
| 1:40  |                   | 3321 Bond St. (D)  |  |                |     |                                     | ✓                                    |           |            |    | L-162             | 2.88      |               |                                      |              |

**Sampling Precautions:** Transport water samples under refrigeration to laboratory; avoid freezing. COAL is accredited by SCC and licensed by MOE in these specific inorganic and physical parameters. Lead samples receive immediate preservation by laboratory and must analyzed within 60 days of collection. Turbidity, Total Alkalinity, and pH samples require analysis as soon as possible and no later than 14 days after collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL accepts no responsibility for parameters selected, misidentification of samples, incorrect quantity or incorrect collection procedure; this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html  
N/R = Not Received N/A = Not Applicable

Pre-Fax Check By: [Signature] **AB**

**FOR LABORATORY USE ONLY / LABORATORY COMMENTS**

Analysis Date & Time: Dec 4/15 Analyzed By: Caduceus Audited By: [Signature] Methodology (COAL AA): Detection Limit: 1.00 µg/L, Reportable Limit: 10.0 µg/L  
 Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL T): Nephelometric NTU  
 Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL pH): Electrometric pH  
 Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL Alk): Digital Titration mg/L

**SCANNED & EMAILED**  
**-12- 09 2015**  
**BY FAXED**  
**DEC 09 2015**  
Page \_\_\_\_\_ of \_\_\_\_\_  
Date: 16:47

Lab No: \_\_\_\_\_ Adverse Reported to Submitting Agency @ \_\_\_\_\_ H.U. @ \_\_\_\_\_ SAC @ \_\_\_\_\_ AWQ# \_\_\_\_\_ By: \_\_\_\_\_

Transcribed By: \_\_\_\_\_ Transcription Verified By: \_\_\_\_\_ Report Authorized By: \_\_\_\_\_ Email/Mail Customer: \_\_\_\_\_ Email H.U.: \_\_\_\_\_ MOE/MOHLTC Upload: \_\_\_\_\_ Invoiced: \_\_\_\_\_

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 318/08; 319/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOH/Waterworks for O. Reg 170/03 and to MOHLTC/MOH/Waterworks for O. Reg 318/08; 319/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Primary Under the Act Report, PFA 2006-02-26, 02-26-06  
 apply to the use of the form for an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



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Tel: (705) 326-8285 Fax: (705) 326-9316  
www.coalab.ca

**Chain of Custody**

**Primary Report of Chemical Analysis of Water**

Date Sampled: 20 | 15 | 10 | 07  
Y Y Y Y M M D D

|                              |       |
|------------------------------|-------|
| Township/Town                |       |
| Kawartha Lakes               |       |
| Systems Health Unit          | RMDHU |
| Total # of pages sent        |       |
| # of samples sent this page  |       |
| # of samples r'cvd this page | 1     |

|                  |                                      |                       |                             |       |
|------------------|--------------------------------------|-----------------------|-----------------------------|-------|
| FOR LAB USE ONLY | Date/Time/Temp. (°C) Received:       | Initials of Receiver: | Date & Time Lead Preserved: | Tech: |
|                  | RECEIVED AB S.O<br>OCT 09 2015 12:20 |                       | OCT 09 2015<br>12:29        | SC    |

Collected By: (Please Print) CHUCK WILKINSON

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Signature: [Signature]

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Name of Facility: Kirkfield Sector

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Drinking Water System (DWS) # (As Assigned By MOE/MOHLTC) **Please See Below**

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

Submitted By: (Please Print) CHUCK WILKINSON

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Signature: [Signature]

Comments/Conditions:

| Time Sampled (Indicate AM/PM with 12-hour clock or use 24-hour clock) | Sample Identifier | Sampling Location (Describe the location AND indicate an appropriate letter classification. (D) Distribution - Consumed (R) Raw - Before Treatment & Not Consumed (E) Point of Entry - Consumed (RWC) Raw Water - Consumed) | Requires Notification as per SDWA 2002: (Please check one) |                |     |      | Temp. of Sample (Indicate °F or °C) | Parameters: Please Check if Required |            |    |  | Laboratory Number | Lead µg/L | Turbidity NTU | Alkalinity mg/L as CaCO <sub>3</sub> | pH (at 25°C) |
|---|-------------------|---|--|----------------|-----|------|-------------------------------------|--------------------------------------|------------|----|--|-------------------|-----------|---------------|--------------------------------------|--------------|
|   |                   |   | 170/03   | 318/08; 319/08 | N/A | Lead |                                     | Turbidity                            | Alkalinity | pH |  |                   |           |               |                                      |              |
| THIS AREA IS FOR LABORATORY USE ONLY                                  |                   |   |  |                |     |      |                                     |                                      |            |    |  |                   |           |               |                                      |              |
|   |                   | <del>Baldon 44</del>  |  |                |     |      |                                     |                                      |            |    |  |                   |           |               |                                      |              |
|   |                   | 34200 Mass Eiden Boundary Rd. (D)   |  | ✓              |     |      |                                     |                                      | ✓          |    |  |                   |           |               |                                      |              |
|   |                   | <del>Baldon 50</del>  |  |                |     |      |                                     |                                      |            |    |  |                   |           |               |                                      |              |
|   |                   | 1202 Danvers Rd. Lakeshore (D)  |  | ✓              |     |      |                                     |                                      | ✓          |    |  |                   |           |               |                                      |              |
|   |                   | <del>Kirkfield Shop</del>   |  |                |     |      |                                     |                                      |            |    |  |                   |           |               |                                      |              |
| 8:40  |                   | 46 Talbot St. (D)   |  | ✓              | ✓   |      |                                     |                                      | ✓          |    |  | L-103             | 1.03      |               |                                      |              |

**Sampling Precautions:** Transport water samples under refrigeration to laboratory; avoid freezing. COAL is accredited by SCC and licensed by MOE in these specific inorganic and physical parameters. Lead samples receive immediate preservation by laboratory and must analyzed within 60 days of collection. Turbidity, Total Alkalinity, and pH samples require analysis as soon as possible and no later than 14 days after collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL accepts no responsibility for parameters selected, misidentification of samples, incorrect quantity or incorrect collection procedure; this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html  
N/R = Not Received N/A = Not Applicable

Pre-Fax Check By: [Signature] AB

**FOR LABORATORY USE ONLY / LABORATORY COMMENTS**

Analysis Date & Time: Dec 4/15 Analyzed By: [Signature] Audited By: [Signature] Methodology (COAL AA): Detection Limit: 1.00 µg/L, Reportable Limit: 10.0 µg/L  
 Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL T): Nephelometric NTU  
 Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL pH): Electrometric pH  
 Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL Alk): Digital Titration mg/L

**SCANNED & EMAILED**

**-12- 09 2015**

**BY FAXED**

**DEC 09 2015**

Page \_\_\_\_\_ of \_\_\_\_\_

16:47

Lab No: \_\_\_\_\_ Adverse Reported to Submitting Agency @ \_\_\_\_\_ H.U. @ \_\_\_\_\_ SAC @ \_\_\_\_\_ AWQI# \_\_\_\_\_ By: \_\_\_\_\_

Transcribed By: \_\_\_\_\_ Transcription Verified By: \_\_\_\_\_ Report Authorized By: \_\_\_\_\_ Email/Mail Customer: \_\_\_\_\_ Email H.U.: \_\_\_\_\_ MOE/MOHLTC Upload: \_\_\_\_\_ Invoiced: \_\_\_\_\_

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 318/08; 319/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOH Waterworks for O. Reg 170/03 and to MOHLTC/MOH Waterworks for O. Reg 318/08; 319/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples) Primary Chemical Report, PITA 296, 1302, Revision 1.4  
 Approved for use by TJ prior to use. Page 3 of 4

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



4260 Burnside Line, R.R. #4  
Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
www.coalab.ca

**Chain of Custody**

**Primary Report of Chemical Analysis of Water**

Date Sampled: 2015-10-09  
Y Y Y Y M M D D

Collected By: (Please Print) CHUCK WILKINSON

Signature: [Signature]  
Name of Facility: Kirkfield Sector

Drinking Water System (DWS) #  
(As Assigned By MOE/MOHLTC) **Please See Below**

Submitted By: (Please Print) CHUCK WILKINSON

Signature: [Signature]

|                             |         |
|-----------------------------|---------|
| Township/Town               |         |
| Kawartha Lakes              |         |
| Systems Health Unit         | HKPRDHU |
| Total # of pages sent       |         |
| # of samples sent this page |         |
| # of samples r'vd this page | 1       |

|                  |   |                                 |  |                 |
|------------------|---|---------------------------------|--|-----------------|
| FOR LAB USE ONLY | Date/Time/Temp. (°C) Received: <u>RECEIVED AB 5.0</u><br><u>OCT 09 2015 12:20</u> | Initials of Receiver: <u>SC</u> | Date & Time Lead Preserved: <u>OCT 09 2015</u><br><u>12:29</u> | Tech: <u>SC</u> |
|------------------|---|---------------------------------|--|-----------------|

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Comments/Conditions:

| Time Sampled<br>(Indicate AM/PM with 12 hour clock or use 24-hour clock) | Sample Identifier | Sampling Location<br>Describe the location AND indicate an appropriate letter classification.<br>(D) Distribution - Consumed<br>(R) Raw - Before Treatment & Not Consumed<br>(E) Point of Entry - Consumed<br>(RWC) Raw Water - Consumed | Requires Notification as per SDWA 2002:<br>(Please check one) |                   |     |      | Temp. of Sample<br>(Indicate °F or °C) | Parameters:<br>Please Check if Required |            |    |       | Laboratory Number | Lead<br>µg/L | Turbidity<br>NTU | Alkalinity<br>mg/L as CaCO <sub>3</sub> | pH<br>(at 25°C) |
|--|-------------------|--|---|-------------------|-----|------|--|---|------------|----|-------|-------------------|--------------|------------------|---|-----------------|
|  |                   |  | 170/03  | 318/08;<br>319/08 | N/A | Lead |  | Turbidity                               | Alkalinity | pH |       |                   |              |                  |   |                 |
|  |                   | <del>104 Front Canal Rd. (D)</del>   |   | ✓                 |     |      | ✓                                      |   |            |    |       |                   |              |                  |   |                 |
|  |                   | Kirkfield Lock 36 #835J66E39   |   |                   |     |      |  |   |            |    |       |                   |              |                  |   |                 |
| 8:30   |                   | 2023 Kirkfield Rd. (D)   |   | ✓                 |     |      | ✓                                      |   |            |    | L-164 | 2.83              |              |                  |   |                 |
|  |                   | <del>Bellevue Lock 27 #825J66E21</del>   |   |                   |     |      | ✓                                      |   |            |    |       |                   |              |                  |   |                 |
|  |                   | <del>92 Talbot Dr. (D)</del>   |   |                   |     |      | ✓                                      |   |            |    |       |                   |              |                  |   |                 |
|  |                   | <del>Bolton Bridge 42 (Reg. N/A)</del>   |   |                   |     |      |  |   |            |    |       |                   |              |                  |   |                 |
|  |                   | 128 Bolsover Rd. (D)   |   |                   |     |      | ✓                                      |   |            |    |       |                   |              |                  |   |                 |

**Sampling Precautions:** Transport water samples under refrigeration to laboratory; avoid freezing. COAL is accredited by SCC and licensed by MOE in these specific inorganic and physical parameters. Lead samples receive immediate preservation by laboratory and must analyzed within 60 days of collection. Turbidity, Total Alkalinity, and pH samples require analysis as soon as possible and no later than 14 days after collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL accepts no responsibility for parameters selected, misidentification of samples, incorrect quantity or incorrect collection procedure; this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html  
N/R = Not Received N/A = Not Applicable

Pre-Fax Check By: AB

**FOR LABORATORY USE ONLY / LABORATORY COMMENTS**

Analysis Date & Time: DEC 09 2015 Analyzed By: ADUCEON Audited By: [Signature] Methodology (COAL AA): Detection Limit: 1.00 µg/L, Reportable Limit: 10.0 µg/L

Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL T): Nephelometric NTU

Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL pH): Electrometric pH

Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL Alk): Digital Titration mg/L

Lab No: \_\_\_\_\_ Adverse Reported to Submitting Agency @ \_\_\_\_\_ H.U. @ \_\_\_\_\_ SAC @ \_\_\_\_\_ AWQ# \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

Transcribed By: \_\_\_\_\_ Transcription Verified By: \_\_\_\_\_ Report Authorized By: \_\_\_\_\_ Email/Mail Customer: \_\_\_\_\_ Email H.U.: \_\_\_\_\_ MOE/MOHLTC Upload: \_\_\_\_\_ Invoiced: \_\_\_\_\_

**FAXED**  
16:47  
**DEC 09 2015**  
Page \_\_\_\_\_ of \_\_\_\_\_

**SCANNED & EMAILED**  
-12- 09 2015

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 318/08; 319/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOH/Waterworks for O. Reg 170/03 and to MOHLTC/MOH/Waterworks for O. Reg 318/08; 319/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**

4260 Burnside Line, R.R. #4  
Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
www.coalab.ca

|                   |                    |                              |                |
|-------------------|--------------------|------------------------------|----------------|
| Date Sampled:     | 20150718           | Township/Town                | Kawartha Lakes |
| Collected By:     | Elie Wright        | Systems Health Unit          | HKPRDHU        |
| (Please Print)    |                    | Total # of pages sent        |                |
| Signature:        | <i>Elie Wright</i> | # of samples sent this page  |                |
| Name of Facility: | Kirkfield Sector   | # of samples rec'd this page | 3              |

Drinking Water System (DWS) #            Please See Below  
(As Assigned By MOE/MOHLTC)

Submitted By: *Elie Wright*  
(Please Print)

Signature: *Elie Wright*

|                  |                                |                       |                             |       |
|------------------|--------------------------------|-----------------------|-----------------------------|-------|
| FOR LAB USE ONLY | Date/Time/Temp. (°C) Received: | Initials of Receiver: | Date & Time Lead Preserved: | Tech: |
|                  | JUL 2 2015 3:15                | 21.0                  | JUL 2 1 2015 1323           | SC    |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON, K0M 2B0

Telephone: 705 438-3153 Ext: 705 438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

| Time Sampled<br>(Indicate AM/PM with 12-hour clock or use 24-hour clock) | Sample Identifier | Sampling Location<br>Describe the location AND indicate an appropriate letter classification.<br>(D) Distribution - Consumed<br>(R) Raw - Before Treatment & Not Consumed<br>(E) Point of Entry - Consumed<br>(RWC) Raw Water - Consumed | Requires Notification as per SDWA 2002. (Please check one) | Temp. of Sample (Indicate °F or °C) | Parameters: Please Check if Required |           |      | Lead µg/L | Turbidity NTU | Alkalinity mg/L as CaCO <sub>3</sub> | pH (at 25°C) |
|--|-------------------|--|--|-------------------------------------|--------------------------------------|-----------|------|-----------|---------------|--------------------------------------|--------------|
|  |                   |  |  |                                     | Lead                                 | Turbidity | pH   |           |               |                                      |              |
|  |                   | Rosedale Lock 35 #835J66E47  | 170/03   | N/A                                 |                                      |           |      |           |               |                                      |              |
|  |                   | 161 Trent Canal Rd. (D)  | 318/08   |                                     | ✓                                    |           |      |           |               |                                      |              |
|  |                   | Kirkfield Lock 36 #835J66E39   | 319/08   |                                     | ✓                                    |           |      |           |               |                                      |              |
| 9:30   |                   | 2023 Kirkfield Rd. (D)   |  |                                     | ✓                                    |           | 1.01 |           |               |                                      |              |
|  |                   | Bolsover Lock 37 #835J66E21  |  |                                     | ✓                                    |           |      |           |               |                                      |              |
|  |                   | 92 Talbot Dr. (D)  |  |                                     | ✓                                    |           |      |           |               |                                      |              |
|  |                   | Bolsover Bridge 43 (Reg. N/A)  |  |                                     | ✓                                    |           |      |           |               |                                      |              |
|  |                   | 138 Bolsover Rd. (D)   |  |                                     | ✓                                    |           |      |           |               |                                      |              |

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N/R = Not Received N/A = Not Applicable

**FOR LABORATORY USE ONLY / LABORATORY COMMENTS**

Analysis Date & Time:            Analyzed By: SC Audited By:            Methodology (COAL AA): Detection Limit: 1.00 µg/L, Reportable Limit: 10.0 µg/L  
 Analysis Date & Time:            Analyzed By:            Audited By:            Methodology (COAL T): Nephelometric NTU  
 Analysis Date & Time:            Analyzed By:            Audited By:            Methodology (COAL pH): Electrometric pH  
 Analysis Date & Time:            Analyzed By:            Audited By:            Methodology (COAL Alk): Digital Titration mg/L

Lab No:            Adverse Reported to Submitting Agency @            H.U. @            SAC @            AWQH#            BY            Date:             
 Transcribed By:            Transcription Verified By:            Report Authorized By:            Email Customer:            Email H.U.:            MOE/MOHLTC Upload:           

**FAXED**  
**JUL 23 2015**  
Page            of             
SCANNED & FILED  
-07-23 2015

Pre-Fax Check By: SC

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**

4260 Burnside Line, R.R. #4  
Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
www.coalab.ca

Date Sampled: 07/01/2015

Collected By: (Please Print) Elie Wright

Signature: [Signature]

Name of Facility: Kirkfield Sector

Drinking Water System (DWS) #                      Please See Below  
(As Assigned By MOE/MOHLTC)

Submitted By: (Please Print) Elie Wright

Signature: [Signature]

|                              |                |
|------------------------------|----------------|
| Township/Town                | Kawartha Lakes |
| Systems Health Unit          | RMDHU          |
| Total # of pages sent        |                |
| # of samples sent this page  |                |
| # of samples r'ord this page |                |

Date/Time/Temp. (°C) Received: Initials of Receiver: Date & Time Lead Preserved: Tech:

RECEIVED 13.15 JUL 21 2015 13:21

JUL 21 2015 13:21

FOR LAB USE ONLY

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson

Address: 2023 Kirkfield Road Kirkfield, ON, K0M 2B0

Telephone: 705 438-3153 Ext:                      Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Comments/Conditions:

| Time Sampled<br>(Indicate AM/PM with 12 hour clock or use 24-hour clock) | Sampling Location<br>Describe the location AND indicate an appropriate letter classification.<br>(D) Distribution - Consumed<br>(R) Raw - Before Treatment & Not Consumed<br>(E) Point of Entry - Consumed<br>(RWC) Raw Water - Consumed | Requires Notification as per SDWA 2002: (Please check one) | Temp. of Sample (Indicate °F or °C) | Parameters: Please Check if Required |           |            | Laboratory Number | Lead µg/L | Turbidity NTU | Alkalinity mg/L as CaCO <sub>3</sub> | pH (at 25°C) |
|--|--|--|-------------------------------------|--------------------------------------|-----------|------------|-------------------|-----------|---------------|--------------------------------------|--------------|
|  |  |  |                                     | Lead                                 | Turbidity | Alkalinity |                   |           |               |                                      |              |
|  | Talbot Lock 38   | 170/03   | 318/08                              |                                      |           |            |                   |           |               |                                      |              |
|  | 1419 Canal Rd. (D)   | 318/08   | N/A                                 |                                      |           |            |                   |           |               |                                      |              |
|  | Portage Lock 39  |  |                                     |                                      |           |            |                   |           |               |                                      |              |
|  | 33245 Durham Rd. (D)   |  |                                     |                                      |           |            |                   |           |               |                                      |              |
| 10:00  | 33245 Durham Rd. (D)   |  |                                     |                                      |           | 7-88       | 21.00             |           |               |                                      |              |
|  | Gamebridge Lock 41   |  |                                     |                                      |           |            |                   |           |               |                                      |              |
|  | 33235 Durham Rd. (D)   |  |                                     |                                      |           |            |                   |           |               |                                      |              |

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NIR = Not Received N/A = Not Applicable

**FOR LABORATORY USE ONLY / LABORATORY COMMENTS**

Analysis Date & Time: JUL 22 2015 10:23 Analyzed By: SC Audited By:                     

Analysis Date & Time:                      Analyzed By:                      Audited By:                     

Analysis Date & Time:                      Analyzed By:                      Audited By:                     

Analysis Date & Time:                      Analyzed By:                      Audited By:                     

Methodology (COAL AA): g Detection Limit: 1.00 µg/L, Reportable Limit: 10.0 µg/L

Methodology (COAL T):                      Nephelometric NTU

Methodology (COAL pH):                      Electrometric pH

Methodology (COAL ALK):                      Digital Titration mg/L

Lab No:                      Adverse Reported to Submitting Agency @                      SAC @                      H.U. @                      AWQI#                      By:                      Date:                     

Transcribed By:                      Transcription Verified By:                      Report Authorized By:                     

Email/Mail Customer:                      Email H.U.:                      MOE/MOHLTC Upload:                      Invoiced:                     

Pre-Fax Check By: SC

Stamp: A X F D JUL 23 2015 01:00:00 SCANNED & EMAILED -07-23 2015

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**  
 4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

Date/Time/Temp. (°C) Received: Initials of Receiver: Date & Time Lead Preserved: Tech:  
 RECEIVED JUL 21 2015 13:19 JUL 21 2015 13:26  
 FOR LAB USE ONLY

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson  
 Address: 2023 Kirkfield Road Kirkfield, ON, K0M 2B0  
 Telephone: 705 438-3153 Ext: 705 438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

|                              |       |
|------------------------------|-------|
| Township/Town                |       |
| Kawartha Lakes               |       |
| Systems Health Unit          | RMDHU |
| Total # of pages sent        |       |
| # of samples sent this page  |       |
| # of samples rec'd this page | 1     |

Drinking Water System (DWS) # \_\_\_\_\_ Please See Below  
 (As Assigned By MOE/MOHLTC)  
 Submitted By: Elie Wright  
 Signature: *Elie Wright*  
 Name of Facility: Kirkfield Sector

| Time Sampled<br>(Indicate AM/PM with 12-hour clock or use 24-hour clock) | Sampling Location<br>(Describe the location AND indicate an appropriate letter classification.<br>(D) Distribution - Consumed<br>(R) Raw - Before Treatment & Not Consumed<br>(E) Point of Entry - Consumed<br>(RWC) Raw Water - Consumed | Requires Notification as per SDWA 2002: (Please check one) | Temp. of Sample (Indicate °F or °C) | Parameters: Please Check if Required |                          |            | Lead µg/L | Turbidity NTU | Alkalinity mg/L as CaCO <sub>3</sub> | pH (at 25°C) |
|--|---|--|-------------------------------------|--------------------------------------|--------------------------|------------|-----------|---------------|--------------------------------------|--------------|
|  |   |  |                                     | Lead                                 | Turbidity                | Alkalinity |           |               |                                      |              |
|  | Bridge 44<br>34223 Mara Eidon Boundary Rd. (D)  | 170/03   | 38.1/08                             | <input checked="" type="checkbox"/>  | <input type="checkbox"/> |            |           |               |                                      |              |
|  | Bridge 50<br>1202 Ramara Rd. Lakeshore (D)  |  |                                     | <input checked="" type="checkbox"/>  | <input type="checkbox"/> |            |           |               |                                      |              |
| 9:26   | Kirkfield Shop<br>46 Talbot St. (D)   |  |                                     | <input checked="" type="checkbox"/>  | <input type="checkbox"/> | 21.00      |           |               |                                      |              |

**Sampling Precautions:** Transport water samples under refrigeration to laboratory; avoid freezing. COAL is accredited by SCC and licensed by MOE in these specific inorganic and physical parameters. Lead samples receive immediate preservation by laboratory and must be analyzed within 60 days of collection. Turbidity, Total Alkalinity, and pH samples require analysis as soon as possible and no later than 14 days after collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL accepts no responsibility for parameters selected, misidentification of samples, incorrect quantity or incorrect collection procedure; this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html  
 N/R = Not Received N/A = Not Applicable

FOR LABORATORY USE ONLY / LABORATORY COMMENTS

Analysis Date & Time: JUL 22 2015 16:23 Analyzed By: SC Audited By: *SC* Methodology (COAL AA): Detection Limit: 1.00 µg/L, Reportable Limit: 10.0 µg/L  
 Analysis Date & Time: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL T): Nephelometric NTU  
 Analysis Date & Time: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL pH): Electrometric pH  
 Analysis Date & Time: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL AIK): Digital Titration mg/L

Lab No: \_\_\_\_\_ Adverse Reported to Submitting Agency @ \_\_\_\_\_ H.U. @ \_\_\_\_\_ SAC @ \_\_\_\_\_ AWO# \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Transcribed By: \_\_\_\_\_ Transcription Verified By: \_\_\_\_\_ Report Authorized By: \_\_\_\_\_  
 Email/Mail Customer: \_\_\_\_\_ Email H.U.: \_\_\_\_\_ MOE/MOHLTC Upload: \_\_\_\_\_ Invoiced: \_\_\_\_\_

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 319/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOHLTC/Waterworks for O. Reg 170/03 and to MOHLTC/MOHW/Waterworks for O. Reg 319/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples) Primary Chemical Report, PITA 296, 1302, Revision 1.4  
 Approved for use by T.J prior to use.

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**

4260 Burnside Line, R.R. #4  
Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
www.cosalab.ca

Date Sampled: 2015 07 21  
Collected By: (Please Print) *Chie Wright*  
Signature: *Chie Wright*  
Name of Facility: Washago Sector

Drinking Water System (DWS) #  
(As Assigned By MOE/MOHLTC) **Please See Below**  
Submitted By: (Please Print) *Chie Wright*  
Signature: *Chie Wright*

|                              |                |
|------------------------------|----------------|
| Township/Town                |                |
| Systems Health Unit          | Simcoe Muskoka |
| Total # of pages sent        | SMDHU          |
| # of samples sent this page  |                |
| # of samples rec'd this page |                |

FOR LAB USE ONLY  
Date/Time/Temp. (°C) Received: JUL 21 2015 13:26  
Initials of Receiver: JUL 21 2015 13:26  
Date & Time Lead Preserved: JUL 21 2015 13:26  
Tech:

Report To: Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson  
Address: 2023 Kirkfield Road Kirkfield, ON, K0M 2B0  
Telephone: 705 438-3153 Ext: 705-438-5201 + Scan & Email  
Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

| Time Sampled<br>(Indicate AM/PM with 12 hour clock or use 24-hour clock) | Sampling Location<br>(Describe the location AND indicate an appropriate letter classification)<br>(D) Distribution - Consumed<br>(R) Raw - Before Treatment & Not Consumed<br>(E) Point of Entry - Consumed<br>(RWC) Raw Water - Consumed | Requires Notification as per SDWA 2002: (Please check one) | Please Check if Required |           | Temp. of Sample (Indicate °F or °C) | Parameters: |    | Lead µg/L | Turbidity NTU | Alkalinity mg/L as CaCO <sub>3</sub> | pH (at 25°C) |
|--|---|--|--------------------------|-----------|-------------------------------------|-------------|----|-----------|---------------|--------------------------------------|--------------|
|  |   |  | Lead                     | Turbidity |                                     | Alkalinity  | pH |           |               |                                      |              |
| 19:40  | Lock 42<br>2597 Bonsor Rd. (D)  | ✓  | ✓                        | ✓         | N/A                                 | ✓           | ✓  | 21.00     |               |                                      |              |
|  | Lock 43<br>19 SR 409 Unit 1 (D)   | ✓  | ✓                        | ✓         |                                     | ✓           | ✓  |           |               |                                      |              |
|  | Lock 44<br>7001 Upper Big Chute Rd. (D)   | ✓  | ✓                        | ✓         |                                     | ✓           | ✓  |           |               |                                      |              |
|  | Lock 45<br>175 Port Severn Rd. N. (D)   | ✓  | ✓                        | ✓         |                                     | ✓           | ✓  |           |               |                                      |              |

**Sampling Precautions:** Transport water samples under refrigeration to laboratory; avoid freezing. COAL is accredited by SCC and licensed by MOE in these specific inorganic and physical parameters. Lead samples receive immediate preservation by laboratory and must be analyzed within 60 days of collection. Turbidity, Total Alkalinity, and pH samples require analysis as soon as possible and no later than 14 days after collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL accepts no responsibility for parameters selected, misidentification of samples, incorrect quantity or incorrect collection procedure; this is the responsibility of the submitting agency. For collection and handling procedures visit www.cosalab.ca/watersamples.html  
N/R = Not Received N/A = Not Applicable

**FOR LABORATORY USE ONLY / LABORATORY COMMENTS**  
Analysis Date & Time: JUL 22 2015 16:23 Analyzed By: SC Audited By: y Methodology (COAL AA): Detection Limit: 1.00 µg/L, Reportable Limit: 10.0 µg/L  
Analysis Date & Time: Analyzed By: Audited By: Methodology (COAL T): Nephelometric NTU  
Analysis Date & Time: Analyzed By: Audited By: Methodology (COAL pH): Electrometric pH  
Analysis Date & Time: Analyzed By: Audited By: Methodology (COAL Alk): Digital Titration mg/L

Lab No: Adverse Reported to Submitting Agency @ H.U. @ SAC @ AWQI# BY Date:  
Transcribed By: Report Authorized By: Email/Mail Customer: H.U.: SAC @ AWQI# BY Date:  
MOE/MOHLTC Upload: Invoiced:

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg. 17/003 and O. Reg. 318/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOHLTC/Works for O. Reg. 17/003 and to MOHLTC/MOHW/Works for O. Reg. 318/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)

Primary Chemical Report, PITA 296, 1302, Revision 1.4  
Page 1 of 2

Pre-Fax Check By: SC  
FAXED  
JUL 23 2015  
Page 1 of 2  
-07-23 2015





**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

06-July-2015

**Trent-Severn Waterway (Southern Area)**

Attn : Greg Stencell

**Date Rec. :** 03 July 2015  
**LR Report:** CA14048-JUL15

12 Trent Drive  
Campbellford, ON  
K0L 1L0,

**Copy:** #1

Phone: 705-653-3240  
Fax:705-653-2053

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                               | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date                  |                    | ---                         | 03-Jul-15                | 03-Jul-15         |
| 2: Analysis Start Time                  |                    | ---                         | 15:35                    | 15:35             |
| 3: Analysis Approval Date               |                    | ---                         | 05-Jul-15                | 05-Jul-15         |
| 4: Analysis Approval Time               |                    | ---                         | 10:47                    | 10:47             |
| 5: MAC                                  |                    | ---                         | 0                        | 0                 |
| 6: NR Brighton Road Bridge              | 03-Jul-15 08:30    | 11.0                        | 0                        | 0                 |
| 7: NR Carrying Place Bridge             | 03-Jul-15 09:00    | 11.0                        | 0                        | 0                 |
| 8: NR Lock #8 Percy Reach               | 03-Jul-15 11:35    | 11.0                        | 0                        | 0                 |
| 9: NR Lock #9 Meyers                    | 03-Jul-15 12:00    | 11.0                        | 0                        | 0                 |
| 10: NR Lock #10 Hagues Reach            | 03-Jul-15 12:15    | 11.0                        | 0                        | 0                 |
| 11: NR Lock #14 Crowe Bay               | 03-Jul-15 12:45    | 11.0                        | 0                        | 0                 |
| 12: NR Lock #15 Healey Falls (Lower)    | 03-Jul-15 13:40    | 11.0                        | 0                        | 0                 |
| 13: NR Lock #16/17 Healey Falls (Upper) | 03-Jul-15 13:50    | 11.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

**Kimberley Didsbury**  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

12-June-2015

**Trent-Severn Waterway (Southern Area)**

Attn : Greg Stencell

**Date Rec. :** 11 June 2015  
**LR Report:** CA14368-JUN15

12 Trent Drive  
Campbellford, ON  
K0L 1L0,

**Copy:** #1

Phone: 705-653-3240  
Fax:705-653-2053

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                               | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date                  |                    | ---                         | 11-Jun-15                | 11-Jun-15         |
| 2: Analysis Start Time                  |                    | ---                         | 17:15                    | 17:15             |
| 3: Analysis Approval Date               |                    | ---                         | 12-Jun-15                | 12-Jun-15         |
| 4: Analysis Approval Time               |                    | ---                         | 16:04                    | 16:04             |
| 5: MAC                                  |                    | ---                         | 0                        | 0                 |
| 6: NR Brighton Road Bridge              | 11-Jun-15 12:00    | 14.0                        | 0                        | 0                 |
| 7: NR Carrying Place Bridge             | 11-Jun-15 12:18    | 14.0                        | 0                        | 0                 |
| 8: NR Lock #8 Percy Reach               | 11-Jun-15 13:48    | 14.0                        | 0                        | 0                 |
| 9: NR Lock #9 Meyers                    | 11-Jun-15 14:32    | 14.0                        | 0                        | 0                 |
| 10: NR Lock #10 Hagues Reach            | 11-Jun-15 14:15    | 14.0                        | 0                        | 0                 |
| 11: NR Lock #14 Crowe Bay               | 11-Jun-15 15:00    | 14.0                        | 0                        | 0                 |
| 12: NR Lock #16/17 Healey Falls (Upper) | 11-Jun-15 15:30    | 14.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
**Kimberley Didsbury**  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

11-June-2015

**Trent-Severn Waterway (Southern Area)**

Attn : Greg Stencell

**Date Rec. :** 09 June 2015  
**LR Report:** CA17641-JUN15

12 Trent Drive  
Campbellford, ON  
K0L 1L0,

**Copy:** #1

Phone: 705-653-3240  
Fax:705-653-2053

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                               | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date                  |                    | ---                         | 09-Jun-15                | 09-Jun-15         |
| 2: Analysis Start Time                  |                    | ---                         | 12:40                    | 12:40             |
| 3: Analysis Approval Date               |                    | ---                         | 11-Jun-15                | 11-Jun-15         |
| 4: Analysis Approval Time               |                    | ---                         | 09:03                    | 09:03             |
| 5: MAC                                  |                    | ---                         | 0                        | 0                 |
| 6: NR Brighton Road Bridge              | 08-Jun-15 11:35    | 8.0                         | 0                        | 0                 |
| 7: NR Carrying Place Bridge             | 08-Jun-15 11:50    | 8.0                         | 0                        | 0                 |
| 8: NR Lock #4 Batawa                    | 08-Jun-15 12:15    | 8.0                         | 9 MAC                    | 1 MAC             |
| 9: NR Lock #7 Glen Ross                 | 08-Jun-15 12:45    | 8.0                         | 16 MAC                   | 4 MAC             |
| 10: NR Lock #8 Percy Reach              | 08-Jun-15 13:30    | 8.0                         | 0                        | 0                 |
| 11: NR Lock #9 Meyers                   | 08-Jun-15 14:00    | 8.0                         | 0                        | 0                 |
| 12: NR Lock #10 Hagues Reach            | 08-Jun-15 14:30    | 8.0                         | 0                        | 0                 |
| 13: NR Lock #14 Crowe Bay               | 08-Jun-15 15:00    | 8.0                         | 0                        | 0                 |
| 14: NR Lock #15 Healey Falls (Lower)    | 08-Jun-15 15:30    | 8.0                         | 0                        | 0                 |
| 15: NR Lock #16/17 Healey Falls (Upper) | 08-Jun-15 15:45    | 8.0                         | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

**Kimberley Didsbury**  
Project Specialist  
Environmental Services, Analytical

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

**Final Certificate of Chemical Analysis of Water**

|                       |                    |           |                             |       |
|-----------------------|--------------------|-----------|-----------------------------|-------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Lead Preserved: | Tech: |
| 2015-10-07 14:10      | 21.4               | MH        | 2015-10-07 15:07            | SC    |

|                               |                         |                       |                |
|-------------------------------|-------------------------|-----------------------|----------------|
| Date Sampled:                 | 2015-10-07              | Twp/Town              | Simcoe Muskoka |
| Collected By:                 | Chuck Wilkinson         | Systems Health Unit   | SMDHU          |
| Name of Facility              | Washago Sector          | Regulation            | N/A            |
| Drinking Water System (DWS) # | <b>Please See Below</b> | Total # of pages sent | 1              |
|                               |                         | # of samples sent     | 1              |
|                               |                         | # of samples received | 1              |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

| Conditions/Comments |
|---------------------|
|                     |

| Time Sampled | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Laboratory Number | Lead |      | Turbidity NTU | Alkalinity |                           | pH (at 25°C) | Sodium |      |
|--------------|-------------------|-----------------------------------|------------|-------------------------|-------------------|------|------|---------------|------------|---------------------------|--------------|--------|------|
|              |                   |                                   |            |                         |                   | >/<  | µg/L |               | >/<        | mg/L as CaCO <sub>3</sub> |              | >/<    | mg/L |
|              |                   |                                   |            |                         |                   |      |      |               |            |                           |              |        |      |
|              |                   | <b>Washago Shop</b>               |            |                         |                   |      |      |               |            |                           |              |        |      |
| 01:40        |                   | 3321 Bond St. (Reg. N/A)          | D          |                         | L-162             |      | 2.88 |               |            |                           |              |        |      |
|              |                   |                                   |            |                         |                   |      |      |               |            |                           |              |        |      |

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific inorganic and physical parameters. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html

N/R = Not Received      N/A = Not Applicable

Raw = R  
 Distribution = D  
 Point of Entry = E  
 Raw Water Consumed = RWC

Lead Analysis Date & Time: 2015-12-04 Analyzed By: Caduceon Audited By: LJ Methodology: AA µg/L

Turbidity Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology: Nephelometric NTU

Total Alkalinity Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology: Digital Titration mg/L as CaCO<sub>3</sub>

pH Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology: Electrometric pH

Sodium Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology: AA mg/L

Transcribed By: SS Authorized & Rechecked By: LJ/TJ Copy Released By: LJ/AB

Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

Test Methodology and Detection Limit

|                  |          |                 |             |                   |           |              |                                    |
|------------------|----------|-----------------|-------------|-------------------|-----------|--------------|------------------------------------|
| Lead             | COAL AA  | Detection Limit | 1.00 µg/L   | Reportable Limit: | 10.0 µg/L | Methodology: | Graphite Furnace Atomic Absorption |
| pH               | COAL pH  | Detection Limit | 4 - 10      | Reportable Limit: | N/A       | Methodology: | Electrometric                      |
| Total Alkalinity | COAL Alk | Detection Limit | 10 - 4000   | Reportable Limit: | N/A       | Methodology: | Digital Titrator                   |
| Turbidity        | COAL T   | Detection Limit | 0.10 - 40.0 | Reportable Limit: | N/A       | Methodology: | Nephelometric                      |
| Sodium           | COAL AA  | Detection Limit | 1.00 mg/L   | Reportable Limit: | 20.0 mg/L | Methodology: | Graphite Flame Atomic Absorption   |

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



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 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-05-14 15:10 |
| 2015-05-14 14:48      | 10.8               | AB        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-05-14

Collected By: Chuck Wilkinson

Name of Facility: Washago Sector

Drinking Water System (DWS) #: Please See Below

Submitted By: Chuck Wilkinson

|                              |        |
|------------------------------|--------|
| Twp/Town Systems Health Unit | SMDHU  |
| Regulation                   | 318/08 |
| Total # of pages sent        | 2      |
| # of samples sent            | 4      |
| # of samples received        | 4      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

**Conditions/Comments**

| Time Sampled   | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|----------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Lock 42</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:30          |                   | 2597 Bonsor Rd.                   | D          |                         |                       |       |                              |                             | 007762            | 0              | 0          | 1       |            |            |            |     |          |
| <b>Lock 43</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 12:00          |                   | 19 SR 409 Unit 1                  | D          |                         |                       |       |                              |                             | 007763            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Lock 44</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 01:25          |                   | 7001 Upper Big Chute Rd.          | D          |                         |                       |       |                              |                             | 007764            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Lock 45</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 02:00          |                   | 175 Port Severn Rd. N.            | D          |                         |                       |       |                              |                             | 007765            | 0              | 0          | 0       |            |            |            |     |          |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2015-05-15 13:30 Enumerated By: AF Audited By: SC Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: SS

Authorized & Rechecked By: LJ/TJ/KN

Copy Released By: AF/KN

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

**Test Methodology and Detection Limit**

|                            |           |                 |                             |                          |      |                                  |                |
|----------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)   | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated) | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                    | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                 | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                        | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus       | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
[www.coalab.ca](http://www.coalab.ca)

**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-05-14 15:10 |
| 2015-05-14 14:48      | 10.8               | AB        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-05-14

Collected By: Chuck Wilkinson

Name of Facility: Washago Sector

**Drinking Water System (DWS) #** Please See Below

Submitted By: Chuck Wilkinson

|                       |                |
|-----------------------|----------------|
| Twp/Town              | Kawartha Lakes |
| Systems Health Unit   | SMDHU          |
| Regulation            | N/A            |
| Total # of pages sent | 2              |
| # of samples sent     | 2              |
| # of samples received | 2              |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

| Conditions/Comments |
|---------------------|
|                     |

| Time Sampled        | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              | Laboratory Number | Total Coliform              |     | E. coli    |     | Background |     | HPC        |     |
|---------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-------------------|-----------------------------|-----|------------|-----|------------|-----|------------|-----|
|                     |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) |                   | Free Cl <sub>2</sub> (mg/L) | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< |
| <b>Bridge 57</b>    |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 10:00               |                   | 1641 Peninsula Pt. Rd.            | D          |                         |                       |       |                              | 007766            | 0                           |     | 0          |     | 0          |     |            |     |
| <b>Washago Shop</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 09:35               |                   | 3321 Bond St.                     | D          |                         |                       |       |                              | 007767            | 0                           |     | 0          |     | 0          |     |            |     |
|                     |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                     |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                     |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                     |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                     |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.  
 All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).  
 Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.  
 COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.  
 For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2015-05-15 13:30 Enumerated By: AF Audited By: SC Methodology: M/F CFU/100ml

Analysis Date & Time: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: SS Authorized & Rechecked By: LJ/TJ/KN Copy Released By: AF/KN

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

| Test Methodology and Detection Limit | COAL      | Endo            | Detection Limit             | 0 - 80                   | Reportable Limit: | 1                                | Performed by Membrane Filtration | M/F CFU/100 ml |
|--------------------------------------|-----------|-----------------|-----------------------------|--------------------------|-------------------|----------------------------------|----------------------------------|----------------|
| Total Coliform (Treated)             | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1                 | Performed by Membrane Filtration | M/F CFU/100 ml                   |                |
| Total Coliform (Untreated)           | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1                 | Performed by Membrane Filtration | M/F CFU/100 ml                   |                |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1                 | Performed by Membrane Filtration | M/F CFU/100 ml                   |                |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200              | Performed by Membrane Filtration | M/F CFU/100 ml                   |                |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200              | Performed by Membrane Filtration | M/F CFU/100 ml                   |                |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500              | Performed by Spread Plate        | SP CFU/1 ml                      |                |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1                 | Performed by Membrane Filtration | M/F CFU/100 ml                   |                |

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



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 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-06-02 16:00 |
| 2015-06-02 14:56      | 12.4               | MH        | HPC & FS Date & Time Incubated: |                  |

|                               |                  |                              |        |
|-------------------------------|------------------|------------------------------|--------|
| Date Sampled:                 | 2015-06-02       | Twp/Town Systems Health Unit | SMDHU  |
| Collected By:                 | Chuck Wilkinson  | Regulation                   | 318/08 |
| Name of Facility              | Washago Sector   | Total # of pages sent        | 2      |
| Drinking Water System (DWS) # | Please See Below | # of samples sent            | 6      |
|                               |                  | # of samples received        | 6      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

|               |                 |                     |
|---------------|-----------------|---------------------|
| Submitted By: | Chuck Wilkinson | Conditions/Comments |
|---------------|-----------------|---------------------|

| Time Sampled   | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|----------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Lock 42</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:20          |                   | 2597 Bonsor Rd.                   | D          |                         |                       |       |                              |                             | 009146            | 0              |            | 0       |            | 9          |            |     |          |
| <b>Lock 43</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:30          |                   | 19 SR 409 Unit 1                  | D          |                         |                       |       |                              |                             | 009147            | 0              |            | 0       |            | 0          |            |     |          |
| <b>Lock 44</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 01:00          |                   | 7001 Upper Big Chute Rd.          | D          |                         |                       |       |                              |                             | 009148            | 31             |            | 5       | >          | 200        |            |     |          |
| <b>Lock 45</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 14:20          |                   | 175 Port Severn Rd. N.            | D          |                         |                       |       |                              |                             | 009149            | 0              |            | 0       |            | 0          |            |     |          |

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For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2015-06-03 14:30 Enumerated By: GD Audited By: CS Methodology: M/F CFU/100ml

Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN Copy Released By: GD/AB/TW

Lab No. 009148 Submitting Agency @ 15:44 Health Unit @ N/A Spills Action Centre (SAC) @ N/A AWQI # N/A By: CS Date: 2015-06-03

| Test Methodology and Detection Limit | COAL Endo | Detection Limit             | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
|--------------------------------------|-----------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)             | COAL DC   | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated)           | COAL DC   | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                              | COAL DC   | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL DC   | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL HPC  | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| HPC                                  | COAL FS   | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Faecal Streptococcus                 |           |                             |                          |      |                                  |                |

Approved for use by TJ prior to use.

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**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-06-02 16:00 |
| 2015-06-02 14:56      | 12.4               | MH        | HPC & FS Date & Time Incubated: |                  |

|                               |                  |                       |                |
|-------------------------------|------------------|-----------------------|----------------|
| Date Sampled:                 | 2015-06-02       | Twp/Town              | Kawartha Lakes |
| Collected By:                 | Chuck Wilkinson  | Systems Health Unit   | SMDHU          |
| Name of Facility              | Washago Sector   | Regulation            | N/A            |
| Drinking Water System (DWS) # | Please See Below | Total # of pages sent | 2              |
|                               |                  | # of samples sent     | 6              |
|                               |                  | # of samples received | 6              |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: [chuck.wilkinson@pc.gc.ca](mailto:chuck.wilkinson@pc.gc.ca); [kim.marshall@pc.gc.ca](mailto:kim.marshall@pc.gc.ca); [nicole.hamilton@pc.gc.ca](mailto:nicole.hamilton@pc.gc.ca)

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

| Conditions/Comments |
|---------------------|
|                     |

| Time Sampled        | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|---------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                     |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Bridge 57</b>    |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:55               |                   | 1641 Peninsula Pt. Rd.            | D          |                         |                       |       |                              |                             | 009150            | 0              |            | 0       |            | 0          |            |     |          |
| <b>Washago Shop</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:30               |                   | 3321 Bond St.                     | D          |                         |                       |       |                              |                             | 009151            | 0              |            | 0       |            | 0          |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |

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F.S. & Faecal Strep. = Faecal Streptococcus      HPC = Heterotrophic Plate Count      HPM = Heavy Particulate Matter      N/R = Not Received      F.S. and HPC require 48 hours of incubation      Raw Water Consumed = RWC

Analysis Date & Time: 2015-06-03 14:30      Enumerated By: GD      Audited By: CS      Methodology: M/F CFU/100ml

Analysis Date & Time:      Enumerated By:      Audited By:      HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: ST      Authorized & Rechecked By: LJ/TJ/KN      Copy Released By: GD/AB/TW

Lab No.      Submitting Agency @      Health Unit @      Spills Action Centre (SAC) @      AWQI #      By:      Date:

|                                      |           |                 |                             |                          |      |                                  |                |
|--------------------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Test Methodology and Detection Limit |           |                 |                             |                          |      |                                  |                |
| Total Coliform (Treated)             | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated)           | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |



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**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-06-18 14:15 |
| 2015-06-18 13:36      | 22.2               | AF        | HPC & FS Date & Time Incubated: |                  |

|                                      |                         |                              |        |
|--------------------------------------|-------------------------|------------------------------|--------|
| Date Sampled:                        | 2015-06-18              | Twp/Town Systems Health Unit | SMDHU  |
| Collected By:                        | Kim Marshall            | Regulation                   | 318/08 |
| Name of Facility                     | Washago Sector          | Total # of pages sent        | 2      |
| <b>Drinking Water System (DWS) #</b> | <b>Please See Below</b> | # of samples sent            | 6      |
|                                      |                         | # of samples received        | 6      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

|               |              |                            |
|---------------|--------------|----------------------------|
| Submitted By: | Kim Marshall | <b>Conditions/Comments</b> |
|---------------|--------------|----------------------------|

| Time Sampled   | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|----------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Lock 42</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:50          |                   | 2597 Bonsor Rd.                   | D          |                         |                       |       |                              |                             | 010398            | 0              |            | 0       |            | 80         |            |     |          |
| <b>Lock 43</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:25          |                   | 19 SR 409 Unit 1                  | D          |                         |                       |       |                              |                             | 010399            | 0              |            | 0       |            | 0          |            |     |          |
| <b>Lock 44</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 12:00          |                   | 7001 Upper Big Chute Rd.          | D          |                         |                       |       |                              |                             | 010400            | 0              |            | 0       |            | 26         |            |     |          |
| <b>Lock 45</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 12:45          |                   | 175 Port Severn Rd. N.            | D          |                         |                       |       |                              |                             | 010401            | 0              |            | 0       |            | 0          |            |     |          |

**All samples will be considered DISTRIBUTION samples unless otherwise indicated.**

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F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2015-06-19 12:30 Enumerated By: HM Audited By: LJ Methodology: M/F CFU/100ml

Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN Copy Released By: LJ/AB

Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

| Test Methodology and Detection Limit | COAL Endo | Detection Limit             | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
|--------------------------------------|-----------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform (Treated)             | COAL DC   | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform (Untreated)           | COAL DC   | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                              | COAL DC   | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL DC   | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL HPC  | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| HPC                                  | COAL FS   | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Faecal Streptococcus                 |           |                             |                          |      |                                  |                |

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



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**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-06-18 14:15 |
| 2015-06-18 13:36      | 22.6               | AF        | HPC & FS Date & Time Incubated: |                  |

|                               |                  |                       |                |
|-------------------------------|------------------|-----------------------|----------------|
| Date Sampled:                 | 2015-06-18       | Twp/Town              | Kawartha Lakes |
| Collected By:                 | Kim Marshall     | Systems Health Unit   | SMDHU          |
| Name of Facility              | Washago Sector   | Regulation            | N/A            |
| Drinking Water System (DWS) # | Please See Below | Total # of pages sent | 2              |
|                               |                  | # of samples sent     | 6              |
|                               |                  | # of samples received | 6              |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: [chuck.wilkinson@pc.gc.ca](mailto:chuck.wilkinson@pc.gc.ca); [kim.marshall@pc.gc.ca](mailto:kim.marshall@pc.gc.ca); [nicole.hamilton@pc.gc.ca](mailto:nicole.hamilton@pc.gc.ca)

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Kim Marshall

| Conditions/Comments |
|---------------------|
|                     |

| Time Sampled        | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|---------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                     |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Bridge 57</b>    |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:10               |                   | 1641 Peninsula Pt. Rd.            | D          |                         |                       |       |                              |                             | 010402            | 0              | 0          | >       | 200        |            |            |     |          |
| <b>Washago Shop</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:40               |                   | 3321 Bond St.                     | D          |                         |                       |       |                              |                             | 010403            | 0              | 0          |         | 0          |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)

F.S. & Faecal Strep. = Faecal Streptococcus    HPC = Heterotrophic Plate Count    HPM = Heavy Particulate Matter    N/R = Not Received    F.S. and HPC require 48 hours of incubation    Raw Water Consumed = RWC

Analysis Date & Time: 2015-06-19 12:30    Enumerated By: HM    Audited By: LJ    Methodology: M/F CFU/100ml

Analysis Date & Time:    Enumerated By:    Audited By:    HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: ST    Authorized & Rechecked By: LJ/TJ/KN    Copy Released By: LJ/AB

Lab No. 010402    Submitting Agency @ courtesy notice    Health Unit @ N/A    Spills Action Centre (SAC) @ N/A    AWQI # N/A    By: HM    Date: 2015-06-19

| Test Methodology and Detection Limit | COAL     | Endo            | Detection Limit             | 0 - 80                   | Reportable Limit: | 1                                | Performed by Membrane Filtration | M/F CFU/100 ml |
|--------------------------------------|----------|-----------------|-----------------------------|--------------------------|-------------------|----------------------------------|----------------------------------|----------------|
| Total Coliform (Treated)             | COAL DC  | Detection Limit | 0 - 80                      | Reportable Limit:        | 1                 | Performed by Membrane Filtration | M/F CFU/100 ml                   |                |
| Total Coliform (Untreated)           | COAL DC  | Detection Limit | 0 - 60                      | Reportable Limit:        | 1                 | Performed by Membrane Filtration | M/F CFU/100 ml                   |                |
| E. coli                              | COAL DC  | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200              | Performed by Membrane Filtration | M/F CFU/100 ml                   |                |
| Background                           | COAL DC  | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200              | Performed by Membrane Filtration | M/F CFU/100 ml                   |                |
| Background                           | COAL HPC | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500              | Performed by Spread Plate        | SP CFU/1 ml                      |                |
| HPC                                  | COAL FS  | Detection Limit | 0 - 80                      | Reportable Limit:        | 1                 | Performed by Membrane Filtration | M/F CFU/100 ml                   |                |
| Faecal Streptococcus                 | COAL FS  | Detection Limit | 0 - 80                      | Reportable Limit:        | 1                 | Performed by Membrane Filtration | M/F CFU/100 ml                   |                |

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**

4260 Burnside Line, R.R. #4  
Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
www.coalab.ca

**Chain of Custody**

**Primary Report of Microbiological Analysis of Drinking Water Only**

Date Sampled: 2015 06 30

Collected By: (Please Print) *Elkie Wright*

Signature: *[Signature]*

Name of Facility: **Washago Sector**

Drinking Water System (DWS) # (As Assigned By MOE/MOHLTC) **Please See Below**

Submitted By: (Please Print) *Elkie Wright*

Signature: *[Signature]*

|                              |       |
|------------------------------|-------|
| Township/Town:<br>0          |       |
| Systems Health Unit          | RMDHD |
| Total # of pages sent        |       |
| # of samples sent this page  |       |
| # of samples r'cvd this page | 2     |

|                  |  |                       |   |
|------------------|--|-----------------------|---|
| FOR LAB USE ONLY | Date/Time/Temp. (°C) Received: <b>RECEIVED AB 10.8</b><br><b>JUN 30 2015 14:25</b> | Initials of Receiver: | Date & Time Incubated: <b>JUN 30 2015 15:33</b> |
|                  | Report To: <b>Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson</b>     |                       | HPC & FS Date & Time Incubated:                 |

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Comments/Conditions:

| Time Sampled (Indicate AM/PM with 12-hour clock or use 24-hour clock) | Sample Identifier | Sampling Location (Describe the location AND indicate an appropriate letter classification. (D) Distribution - Consumed (R) Raw - Before Treatment & Not Consumed (E) Point of Entry - Consumed (RWC) Raw Water - Consumed without Treatment) | Requires Notification as per SDWA 2002. (Please check one) |        |        |     | Temp. of Sample (Indicate °F or °C) | Treatment Information - Indicate Type/Chlorine Levels |       | Additional Parameter Please Check if Required |           | Laboratory Number | Total Coliform CFU/100 ml | E. coli CFU/100 ml | Background CFU/100 ml | HPC CFU/1 ml | Faecal Strep CFU/100 ml |
|---|-------------------|---|--|--------|--------|-----|-------------------------------------|---|-------|---|-----------|-------------------|---------------------------|--------------------|-----------------------|--------------|-------------------------|
|   |                   |   | 170/03   | 318/08 | 319/08 | N/A |                                     | UV  | Other | Total mg/L                                    | Free mg/L |                   |                           |                    |                       |              |                         |
| <b>THIS AREA IS FOR LABORATORY USE ONLY</b>                           |                   |   |  |        |        |     |                                     |   |       |   |           |                   |                           |                    |                       |              |                         |
| 9:30  |                   | Bridge 57<br>1641 Peninsula Pt. Rd. (D)   |  |        |        |     |                                     |   |       |   |           | 011317            | 13                        | 0                  | 2200                  |              |                         |
| 10:00   |                   | Washago Shop<br>3321 Bond St. (D)   |  |        |        |     |                                     |   |       |   |           | 011318            | 0                         | 0                  | 0                     |              |                         |

All samples will be considered DISTRIBUTION samples unless otherwise indicated. Sampling Precautions: Transport water samples under refrigeration to laboratory. The samples require analysis ideally within 30 hours and must be analyzed within 48 hours of collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html. Separate bottle required for additional parameters. FS & Faecal Strep = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received FS and HPC require 48 hours of incubation.

**FOR LABORATORY USE ONLY / LABORATORY COMMENTS**

Analysis Date & Time: **JUL 01 2015 14:00** Enumerated By: *[Signature]* Audited By: \_\_\_\_\_ Methodology (COAL Endo - COAL DC): M/F CFU/100ml

Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL HPC): SP CFU/1ml; Methodology (COAL FS): M/F CFU/100ml

Lab No: **011317** Reported to Submitting Agency @ **14:07** H.U. @ **15:10** SAC @ \_\_\_\_\_ AWQI# \_\_\_\_\_ By: *[Signature]* Date **July 1 2015**

Transcribed By: \_\_\_\_\_ Transcription Verified By: \_\_\_\_\_ Report Authorized By: *[Signature]* Customer: *SCOHU - Perry Bull* Email H.U.: \_\_\_\_\_ MOE/MOHLTC Upload: \_\_\_\_\_ Invoiced: \_\_\_\_\_

**FAXED**  
**JUL 07 2015**  
Page 3

Pre-Fax Check By: *[Signature]* **AB**  
2-15:35-438-5201  
15:26-685  
15:28  
4534  
15:30 SCOHU  
R?

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 318/08; 319/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOH/Waterworks for O. Reg 170/03 and to MOHLTC/MOH/Waterworks for O. Reg 318/08; 319/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**

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 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

**Chain of Custody**

**Primary Report of Microbiological Analysis of Drinking Water Only**

|                  |  |                       |   |
|------------------|--|-----------------------|---|
| FOR LAB USE ONLY | Date/Time/Temp. (°C) Received: <b>RECEIVED AB 10.8</b><br><b>JUN 30 2015 14:25</b> | Initials of Receiver: | Date & Time Incubated: <b>JUN 30 2015 15:33</b> |
|                  | HPC & FS Date & Time Incubated:  |                       |   |

Date Sampled: 20 0 1 5 0 0 3 0  
 Y Y Y Y M M D D

Township/Town: \_\_\_\_\_

Systems Health Unit: **SMDHU**

Total # of pages sent: \_\_\_\_\_

# of samples sent this page: \_\_\_\_\_

# of samples/rcvd this page: **4**

Collected By: (Please Print) **Elie Wright**

Signature: *[Signature]*

Name of Facility: **Washago Sector**

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: **2023 Kirkfield Road Kirkfield, ON. K0M 2B0**

Telephone: **705 438-3153** Ext: \_\_\_\_\_ Fax: **705-438-5201 + Scan & Email**

Email Address: **chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca**

"Live Person" After Hours Contact Name and Tel. No: **Chuck Wilkinson 705-887-8390**

Drinking Water System (DWS) # \_\_\_\_\_

(As Assigned By MOE/MOHLTC) **Please See Below**

Submitted By: (Please Print) **Elie Wright**

Signature: *[Signature]*

Comments/Conditions: \_\_\_\_\_

| Time Sampled (Indicate AM/PM with 12 hour clock or use 24-hour clock) | Sample Identifier | Sampling Location Describe the location AND indicate an appropriate letter classification.<br>(D) Distribution - Consumed<br>(R) Raw - Before Treatment & Not Consumed<br>(E) Point of Entry - Consumed<br>(RWC) Raw Water - Consumed without Treatment | Requires Notification as per SDWA 2002 (Please check one) |                |     | Temp. of Sample (Indicate °F or °C) | Treatment Information - Indicate Type/Chlorine Levels |       |                            | Additional Parameter Please Check if Required |     | Laboratory Number | Total Coliform CFU/100 ml | E. coli CFU/100 ml | Background CFU/100 ml | HPC CFU/1 ml | Faecal Strep CFU/100 ml |    |
|---|-------------------|---|---|----------------|-----|-------------------------------------|---|-------|----------------------------|---|-----|-------------------|---------------------------|--------------------|-----------------------|--------------|-------------------------|----|
|   |                   |   | 170/03  | 318/08; 319/08 | N/A |                                     | UV  | Other | Operational/Field Chlorine |   | HPC |                   |                           |                    |                       |              |                         | FS |
|   |                   |   |   |                |     |                                     |   |       | Total mg/L                 | Free mg/L                                     |     |                   |                           |                    |                       |              |                         |    |
| <b>THIS AREA IS FOR LABORATORY USE ONLY</b>                           |                   |   |   |                |     |                                     |   |       |                            |   |     |                   |                           |                    |                       |              |                         |    |
|   |                   | <b>Lock 42</b>  |   |                |     |                                     |   |       |                            |   |     |                   |                           |                    |                       |              |                         |    |
| <b>9:50</b>   |                   | <b>2597 Bonsor Rd. (D)</b>  |   | ✓              |     |                                     |   |       |                            |   |     | <b>011313</b>     | <b>0</b>                  | <b>0</b>           | <b>&gt;200</b>        |              |                         |    |
|   |                   | <b>Lock 43</b>  |   | ✓              |     |                                     |   |       |                            |   |     | <b>011314</b>     | <b>0</b>                  | <b>0</b>           | <b>0</b>              |              |                         |    |
| <b>11:30</b>  |                   | <b>19 SR 409 Unit 1 (D)</b>   |   | ✓              |     |                                     |   |       |                            |   |     | <b>011315</b>     | <b>0</b>                  | <b>0</b>           | <b>0</b>              |              |                         |    |
|   |                   | <b>Lock 44</b>  |   | ✓              |     |                                     |   |       |                            |   |     | <b>011315</b>     | <b>0</b>                  | <b>0</b>           | <b>0</b>              |              |                         |    |
| <b>12:45</b>  |                   | <b>7001 Upper Big Chute Rd. (D)</b>   |   | ✓              |     |                                     |   |       |                            |   |     | <b>011316</b>     | <b>0</b>                  | <b>0</b>           | <b>0</b>              |              |                         |    |
|   |                   | <b>Lock 45</b>  |   | ✓              |     |                                     |   |       |                            |   |     | <b>011316</b>     | <b>0</b>                  | <b>0</b>           | <b>0</b>              |              |                         |    |
| <b>1:10</b>   |                   | <b>175 Port Severn Rd. N. (D)</b>   |   | ✓              |     |                                     |   |       |                            |   |     | <b>011316</b>     | <b>0</b>                  | <b>0</b>           | <b>0</b>              |              |                         |    |

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Pre-Fax Check By: *[Signature]* **AB**

**FOR LABORATORY USE ONLY / LABORATORY COMMENTS**

Analysis Date & Time: **JUL 01 2015 14:00** Enumerated By: *[Signature]* Audited By: \_\_\_\_\_ Methodology (COAL Endo - COAL DC): M/F CFU/100ml

Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL HPC): SP CFU/1ml; Methodology (COAL FS): M/F CFU/100ml

Lab No: **011313** Reported to Submitting Agency @ **courtesy notice** SAC @ \_\_\_\_\_ AWQ# \_\_\_\_\_ By: *[Signature]* Date: **Jul 1/15**

Transcribed By: \_\_\_\_\_ Transcription Verified By: \_\_\_\_\_ Report Authorized By: \_\_\_\_\_ Email/Mail Customer: \_\_\_\_\_ Email H.U.: \_\_\_\_\_ MOE/MOHLTC Upload: \_\_\_\_\_ Invoiced: \_\_\_\_\_

**FAXED**  
**JUL 01 2015**  
 Page 2 of 3

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 318/08; 319/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOHLTC/Waterworks for O. Reg 170/03 and to MOHLTC/MOHLTC/Waterworks for O. Reg 318/08; 319/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)



**Central Ontario Analytical Laboratory Inc.**

4260 Burnside Line, R.R. #4

Orillia, ON. L3V 6H4

Tel: 705-326-8285 Fax: 705-326-9316

Email: coal@on.aibn.com Web: www.coalab.ca

**THIS IS A COURTESY NOTIFICATION TO ASSIST YOU**

This notification is to inform you that your sample has an elevated count of one of the following: *Lab # 011 313*

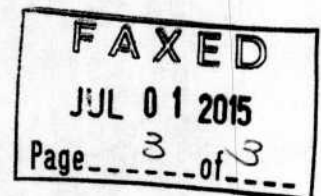
Heterotrophic Plate Counts (HPC) greater than 500 (> 500)

Background Counts greater than 200 (> 200).

This can be viewed as an indicator of deterioration in the drinking water quality, which may lead to the development of total coliforms in your system. Elevated counts may suppress or mask the development of total coliforms in your laboratory results.

If there is ongoing elevated Heterotrophic Plate Counts or Total Coliform Background, the system should be inspected to determine the cause.

**PLEASE REMEMBER: THESE ARE NOT REPORTABLE TO THE M.O.E. AND HEALTH UNIT.** This notice is used to assist you in maintaining the quality of your water and to help prevent an adverse water quality incident.



## ADVERSE WATER QUALITY FORM – Parks Canada

FAX TO: Nicole Hamilton 705 750 4934

Sector from which Adverse came from (See List)

Health Authority: Refer to Table 1

Fax: 705-689-1797

|  |   |
|--|---|
| <b>Adverse Result:</b><br>TC: 13                             | <b>Sample ID &amp; Location:</b><br>Bridge 57 |
| <b>Oral Notification To Parks Canada Sector(all samples)</b> |   |
| <b>Person Contacted:</b><br>Vickie Baldwin                   | <b>Date &amp; Time:</b><br>Jul 1/15 @ 14:07   |
| <b>Person Notifying:</b><br>Lesley Johnston                  | <b>Position/Lab:</b><br>COAL                  |
| <b>Oral Notification To Parks Canada Site</b>                |   |
| <b>Person Contacted:</b><br>Chuck Wilkinson                  | <b>Date &amp; Time:</b><br>Jul 1/15 @ 14:08   |
| <b>Person Notifying:</b><br>Lesley Johnston                  | <b>Position/Lab:</b><br>COAL                  |
| <b>Oral Notification To Health Authority Contact</b>         |   |
| <b>Person Contacted:</b><br>Perry Bull-SMDHU                 | <b>Date &amp; Time:</b><br>15:10 Jul 1/15     |
| <b>Person Notifying:</b><br>Lesley Johnston                  | <b>Position/Lab:</b><br>COAL                  |
| <b>Laboratory Report Completion</b>                          |   |
| <b>Prepared By:</b><br>L Johnston                            | <b>Date:</b><br>Jul 1/15                      |
| <b>Approved By:</b>  | <b>Date:</b>                                  |
| <b>Sent to Sector Contact via Fax: See Contact Sheet</b>     | <b>Date:</b><br>Jul 1/15                      |
| <b>Sent to Duncan Manser &amp; Health Authority</b>          | <b>Date:</b>                                  |

duncan.manser@pc.gc.ca

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
[www.coalab.ca](http://www.coalab.ca)

**Final Certificate of Nitrate and Nitrite Analysis of Water**

|                       |                    |           |
|-----------------------|--------------------|-----------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: |
| 2015-07-14 13:22      | 22.9               | DB        |

Date Sampled: 2015-07-14

Collected By: Ellie Wright

Name of Facility: Washago Sector

**Drinking Water System (DWS) #**

Submitted By: Ellie Wright

|                       |        |
|-----------------------|--------|
| Twp/Town              | Severn |
| Systems Health Unit   | SMDHU  |
| Regulation            | N/A    |
| Total # of pages sent | 1      |
| # of samples sent     | 5      |
| # of samples received | 5      |

Report To: **Trent Severn Waterway ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road, P.O.Box 10 Kirkfield, ON K0M 2B0

Telephone: 705 438-3153 Ext: \_\_\_\_\_ Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gca.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

**Conditions/Comments**

| Time Sampled | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Nitrate as N |      | Nitrite as N |      | Nitrate + Nitrite as N |      |
|--------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|--------------|------|--------------|------|------------------------|------|
|              |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<          | mg/L | >/<          | mg/L | >/<                    | mg/L |
| 09:15        |                   | Lock 42 2597 Bonsor Rd            | E          |                         |                       |       |                              | SFA-202                     |                   | 0.019        | <    | 0.010        |      | 0.019                  |      |
| 09:30        |                   | Bridge 57 1641 Peninsula Pt. Rd   | E          |                         |                       |       |                              | SFA-203                     |                   | 0.081        | <    | 0.010        |      | 0.081                  |      |
| 11:50        |                   | Lock 44 7001 Upper Big Chute Rd   | E          |                         |                       |       |                              | SFA-204                     |                   | 0.082        | <    | 0.010        |      | 0.082                  |      |
| 12:30        |                   | Lock 45 175 Port Severn Rd N      | E          |                         |                       |       |                              | SFA-205                     |                   | 0.067        | <    | 0.010        |      | 0.067                  |      |
| 08:00        |                   | Washago Shop 3321 Bond St         | E          |                         |                       |       |                              | SFA-206                     |                   | 0.060        |      | 0.019        |      | 0.079                  |      |

All samples will be considered DISTRIBUTION samples unless otherwise indicated. All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific inorganic parameters. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)

Raw = R  
 Distribution = D  
 Point of Entry = E  
 Raw Water Consumed = RWC

N/R = Not Received      N/A = Not Applicable

Analysis Date & Time: 2015-07-17 13:30 Analyzed By: TW Audited By: TJ Methodology: SFA mg/L

Transcribed By: SS Authorized & Rechecked By: LJ/TJ/KN Copy Released By: AB/HM

Lab No: \_\_\_\_\_ Parameter: \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ H.U. @ \_\_\_\_\_ SAC @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

|  |        |                 |            |                   |           |              |  |
|--|--------|-----------------|------------|-------------------|-----------|--------------|--|
| Test Methodology (SFA) and Detection Lim |        |                 |            |                   |           |              |  |
| Nitrate                                  | COAL N | Detection Limit | 0.010 mg/L | Reportable Limit: | 10.0 mg/L | Methodology: | Automated Colourmetric Determination of Nitrate as N in water samples (modified EPA353.2)            |
| Nitrite                                  | COAL N | Detection Limit | 0.010 mg/L | Reportable Limit: | 1.0 mg/L  | Methodology: | Automated Colourmetric Determination of Nitrite as N in water samples (modified EPA353.2)            |
| Nitrate + Nitrite                        | COAL N | Detection Limit | 0.010 mg/L | Reportable Limit: | 10.0 mg/L | Methodology: | Automated Colourmetric Determination of Nitrate + Nitrite as N in water samples (modified EPA 353.2) |

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**

4260 Burnside Line, R.R. #4  
Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
www.coalab.ca

Date Sampled: 0/0/15 0/7/14

Collected By: (Please Print) Elise Wright

Signature: [Signature]

Name of Facility: Washago Sector

Drinking Water System (DWS) # (As Assigned By MOE/MOHLTC) Please See Below

Submitted By: (Please Print) Elise Wright

Signature: [Signature]

|                              |       |
|------------------------------|-------|
| Township/Town                |       |
| Systems Health Unit          | SMDHU |
| Total # of pages sent        |       |
| # of samples sent this page  |       |
| # of samples r'cvd this page | 4     |

Comments/Conditions:

**Chain of Custody**

**Primary Report of Microbiological Analysis of Drinking Water Only**

|                  |  |  |  |
|------------------|--|--|--|
| FOR LAB USE ONLY | Date/Time/Temp. (°C) Received: <b>RECEIVED</b><br><b>JUL 14 2015</b> | Initials of Receiver: <u>23.6 RB</u><br><u>13:22</u> | Date & Time Incubated: <b>JUL 14 2015</b><br><u>1515</u> |
|                  |  |  | HPC & FS Date & Time Incubated:                          |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: **2023 Kirkfield Road Kirkfield, ON. K0M 2B0**

Telephone: **705 438-3153** Ext: Fax: **705-438-5201 + Scan & Email**

Email Address: **chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca**

"Live Person" After Hours Contact Name and Tel. No: **Chuck Wilkinson 705-887-8390**

| Time Sampled (Indicate AM/PM with 12-hour clock or use 24-hour clock) | Sample Identifier | Sampling Location (Describe the location AND indicate an appropriate letter classification (D) Distribution - Consumed (R) Raw - Before Treatment & Not Consumed (E) Point of Entry - Consumed (RWC) Raw Water - Consumed without Treatment) | Requires Notification as per SDWA 2002 (Please check one) |        |        |     | Temp. of Sample (Indicate °F or °C) | Treatment Information - Indicate Type/Chlorine Levels |       |            |           | Additional Parameter Please Check if Required |    | Laboratory Number | Total Coliform CFU/100 ml | E. coli CFU/100 ml | Background CFU/100 ml | HPC CFU/1 ml | Faecal Strep CFU/100 ml |
|---|-------------------|--|---|--------|--------|-----|-------------------------------------|---|-------|------------|-----------|---|----|-------------------|---------------------------|--------------------|-----------------------|--------------|-------------------------|
|   |                   |  | 170/03  | 318/08 | 319/08 | N/A |                                     | UV  | Other | Total mg/L | Free mg/L | HPC   | FS |                   |                           |                    |                       |              |                         |
| <b>THIS AREA IS FOR LABORATORY USE ONLY</b>                           |                   |  |   |        |        |     |                                     |   |       |            |           |   |    |                   |                           |                    |                       |              |                         |
| <u>9:15</u>   |                   | <b>Lock 42</b><br>2597 Bonsor Rd. (D)  |   | ✓      |        |     |                                     |   |       |            |           |   |    | <b>012394</b>     | <u>0</u>                  | <u>0</u>           | <u>56</u>             |              |                         |
|   |                   | <b>Lock 43</b><br>19 SR 409 Unit 1 (D)   |   | ✓      |        |     |                                     |   |       |            |           |   |    | <b>012395</b>     | <u>0</u>                  | <u>0</u>           | <u>0</u>              |              |                         |
|   |                   | <b>Lock 44</b><br>7001 Upper Big Chute Rd. (D)   |   | ✓      |        |     |                                     |   |       |            |           |   |    | <b>012396</b>     | <u>0</u>                  | <u>0</u>           | <u>0</u>              |              |                         |
|   |                   | <b>Lock 45</b><br>175 Port Severn Rd. N. (D)   |   | ✓      |        |     |                                     |   |       |            |           |   |    | <b>012397</b>     | <u>0</u>                  | <u>0</u>           | <u>0</u>              |              |                         |

All samples will be considered DISTRIBUTION samples unless otherwise indicated. Sampling Precautions: Transport water samples under refrigeration to laboratory. The samples require analysis ideally within 30 hours and must be analyzed within 48 hours of collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in those specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html. Separate bottle required for additional parameters. FS & Faecal Strep = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received FS and HPC require 48 hours of incubation.

Pre-Fax Check By: GO

**FOR LABORATORY USE ONLY / LABORATORY COMMENTS**

Analysis Date & Time: JUL 15 2015 1330 Enumerated By: CJ Audited By: GO Methodology (COAL Endo - COAL DC): M/F CFU/100ml

Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL HPC): SP CFU/1ml; Methodology (COAL FS): M/F CFU/100ml

Lab No: \_\_\_\_\_ Reported to Submitting Agency @ \_\_\_\_\_ H.U. @ \_\_\_\_\_ SAC @ \_\_\_\_\_ AWQI# \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

Transcribed By: \_\_\_\_\_ Transcription Verified By: \_\_\_\_\_ Report Authorized By: \_\_\_\_\_ Email/Mail Customer: \_\_\_\_\_ Email H.U.: \_\_\_\_\_ MOE/MOHLTC Upload: \_\_\_\_\_ Invoiced: \_\_\_\_\_

SEARCHED & EMAILED  
FAXED  
JUL 15 2015  
Page 1 of 1

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 318/08, 319/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOH/Waterworks for O. Reg 170/03 and to MOHLTC/MOH/Waterworks for O. Reg 318/08, 319/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)



**CENTRAL ONTARIO ANALYTICAL LABORATORY**

4260 Burnside Line, R.R. #4  
Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
www.coalab.ca

Date Sampled: 07/21/15 07:21  
Collected By: *Elie Wright*  
Signature: *Elie Wright*  
Name of Facility: Trent Severn Waterway Washago Sector  
Drinking Water System (DWS) #  
(As Assigned By MOE/MOHLTC)

Township/Town: Severn  
Systems Health Unit: SMDHU  
Total # of pages sent:   
# of samples sent this page:   
# of samples void this page: 1

**Chain of Custody**

Date/Time/Temp. (°C) Received: Initials of Receiver: *AW*  
**RECEIVED**  
JUL 21 2015 13:15  
FOR LAB USE ONLY

Report To: Trent Severn Waterway ATTN: Chuck Wilkinson  
Address: 2023 Kirkfield Road, P.O. Box 10 Kirkfield, ON K0M 2B0  
Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
Email Address: chuck.wilkinson@pc.gc.ca; leigh.trethewey@pc.gc.ca; wayne.harpeil@pc.gc.ca  
"Live Person" After Hours Contact Name and Tel. No.: Chuck Wilkinson (705) 887-8390

Comments/Conditions:

| Time Sampled<br>(Indicate AM/PM with 12-hour clock or use 24-hour clock) | Sampling Location<br>(Describe the location AND indicate an appropriate letter classification.<br>(D) Distribution - Consumed<br>(R) Raw - Before Treatment & Not Consumed<br>(E) Point of Entry - Consumed<br>(RW) Raw Water - Consumed | Requires Notification as per SDWA 2002: (Please check one) | Temp. of Sample (Indicate °F or °C) | Treatment Information - Indicate Type/Chlorine Levels |           |    | Please Check Parameter Required |         | Methodology SFA | COAL N-1 | COAL N-2 | COAL N+N |
|--|--|--|-------------------------------------|---|-----------|----|---------------------------------|---------|-----------------|----------|----------|----------|
|  |  |  |                                     | Operational/Field Chlorine                            | Free mg/L | UV | Other                           | Nitrate |                 |          |          |          |
|  |  | 170/03   |                                     |   |           |    |                                 |         |                 |          |          |          |
|  | Lock 42 2597 Bonsor Rd   |  |                                     |   |           |    |                                 |         |                 |          |          |          |
|  | Bridge 57 1641 Peninsula Pt. Rd  |  |                                     |   |           |    |                                 |         |                 |          |          |          |
| 1140   | Lock 43 19SR409 Unit 1   |  |                                     |   |           |    |                                 |         | 236             | 6.058    | 60.010   | 0.058    |
|  | Lock 44 7001 Upper Big Chute Rd  |  |                                     |   |           |    |                                 |         |                 |          |          |          |
|  | Lock 45 175 Port Severn Rd N   |  |                                     |   |           |    |                                 |         |                 |          |          |          |
|  | Washago Shop 3321 Bond St  |  |                                     |   |           |    |                                 |         |                 |          |          |          |

All samples will be considered DISTRIBUTION samples unless otherwise indicated. Sampling Precautions: Transport water samples under refrigeration to laboratory. The samples require analysis ideally within 30 hours and must be analyzed within 7 days of collection. Analysis performed by qualified analysts. Results relate only to the samples submitted. Samples have been analyzed as received. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. If holding time is required the laboratory will add the preservative. NIS = Not in Service NFR = Not Received N/A = Not Applicable

FOR LABORATORY USE ONLY / LABORATORY COMMENTS  
Analysis Date & Time: JUL 28 2015 1000 Analyzed By: SC Audited By: *SC*  
Analysis Date & Time: JUL 28 2015 1000 Analyzed By: SC Audited By: *SC*  
Analysis Date & Time: JUL 28 2015 1000 Analyzed By: SC Audited By: *SC*

Reg 170/03 Lab No: \_\_\_\_\_ Parameter: \_\_\_\_\_  
Nitrate Methodology: SFA mg/L, Detection Limit- 0.010mg/L, Reportable Limit- 10.0 mg/L  
Nitrite Methodology: SFA mg/L, Detection Limit- 0.010mg/L, Reportable Limit- 1.0 mg/L  
Nitrate + Nitrite Methodology: SFA mg/L, Detection Limit- 0.010mg/L, Reportable Limit- 10.0 mg/L

Adverse Reported to Submitting Agency @ \_\_\_\_\_ H.U. @ \_\_\_\_\_ SAC @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

Report Authorized By: \_\_\_\_\_ Report Customer: \_\_\_\_\_  
Transcription Verified By: \_\_\_\_\_ Email H.U.: \_\_\_\_\_  
MOE/MOHLTC Upload: \_\_\_\_\_ Invoiced: \_\_\_\_\_

**FA X E D**  
JUL 29 2015  
Page ----- of -----

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**

4260 Burnside Line, R.R. #4  
Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
www.coalab.ca

Primary Report of Microbiological Analysis of Drinking Water Only

Chain of Custody

FOR LAB USE ONLY

Date/Time/Temp. (°C) Received: Initials of Receiver: **JUL 28 2015** **ABG-Y**

Incubated: **JUL 28 2015 18:40**

HPC & FS Date & Time Incubated: **1500**

Date: 20 | 15 | 07 | 18

Sampled: Y | Y | Y | W | W | D | D

Collected By: *Ellie Wright*

Signature: *Ellie Wright*

Name of Facility: **Kirkfield Sector**

Drinking Water System (DWS) #: \_\_\_\_\_

(As Assigned By MOE/MOHLTC) Please See Below

Submitted By: *Ellie Wright*

Please Print: \_\_\_\_\_

Signature: \_\_\_\_\_

Systems Health Unit: **RMDHD**

Township/Town: **0**

# of pages sent: \_\_\_\_\_

# of samples sent this page: \_\_\_\_\_

# of samples rec'd this page: **3**

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: **2023 Kirkfield Road Kirkfield, ON, K0M 2B0**

Telephone: **705 438-3153** Ext: \_\_\_\_\_

Fax: **705-438-5201 + Scan & Email**

Email Address: **chuck.wilkinson@pc.gc.ca, kim.marshall@pc.gc.ca, nicole.hamilton@pc.gc.ca**

"Live Person" After Hours Contact Name and Tel. No.: **Chuck Wilkinson 705-887-8390**

| Time Sampled (Indicate A.M./P.M. with 12-hour clock or use 24-hour clock) | Sampling Location (Describe the location AND indicate an appropriate letter classification (C) Distribution - Consumed (R) Raw - Before Treatment & Not Consumed (E) Point of Entry - Consumed (RW) Raw Water - Consumed without Treatment | Requires Notification as per SWA 2002 (Please check one) | Temp. of Sample (Indicate °F or °C) | Treatment Information - Indicate Type/Chlorine Levels |           | Laboratory Number | Total Coliform CFU/100 ml | E. coli CFU/100 ml | Background CFU/100 ml | HPC CFU/10 <sup>6</sup> ml | Faecal Strep CFU/100 ml |
|---|--|--|-------------------------------------|---|-----------|-------------------|---------------------------|--------------------|-----------------------|----------------------------|-------------------------|
|   |  |  |                                     | Operational/Field Chlorine                            | Free mg/L |                   |                           |                    |                       |                            |                         |
| 10:00   | Bridge 44<br>34223 Mara Eidon Boundary Rd. (D)   | 170/03   | N/A                                 | 0   | 0         | 013492            | 0                         | 0                  | 0                     | 0                          | 0                       |
| 11:40   | Bridge 50<br>1202 Ramara Rd. Lakeshore (D)   | 318/08   | >                                   | 0   | 0         | 013493            | 0                         | 0                  | 0                     | 0                          | 0                       |
| 8:00  | Kirkfield Shop<br>46 Talbot St. (D)  | 318/08   | >                                   | 0   | 0         | 013494            | 0                         | 0                  | 0                     | 0                          | 0                       |

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FOR LABORATORY USE ONLY / LABORATORY COMMENTS

Analysis Date & Time: **JUL 29 2015 13:30** Enumerated By: *[Signature]* Audited By: \_\_\_\_\_

Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_

Lab No: \_\_\_\_\_ Reported to Submitting Agency @ \_\_\_\_\_ SAC @ \_\_\_\_\_ AWQ# \_\_\_\_\_

Transcribed By: \_\_\_\_\_ Report Authorized By: \_\_\_\_\_

MOE/MOHLTC Upload: \_\_\_\_\_

Pre-Fax Check By: *[Signature]*

**SCANNED & EMAILED**

**FA X E D**

**JUL 29 2015**

**Methology (COAL Endo - COAL EC): M/F**

**Methology (COAL HPC): SP CFU/100ml**

**Page 1 of 1**

**BY**

**Date**

**-07-29-2015**

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg. 170/03 and O. Reg. 318/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOHLTC. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to the number on scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies: 705-323-2828 (Surcharge for after hours samples)

Approved for use by TJ prior to use.

Primary Report, PITA 101, 1206, Revision 1.2

Page 1 of 1

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**

4260 Burnside Line, R.R. #4  
Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
www.coalab.ca

**Chain of Custody**

Primary Report of Microbiological Analysis of Drinking Water Only

RECEIVED 14:35  
JUL 29 2015

Date/Time/Temp. (°C) Received: Initials of Receiver: **JUL 29 2015** / **1545**

Date & Time Incubated: HPC & FS Date & Time Incubated: **23.5**

FOR LAB USE ONLY

Township/Town: **SMDHU**

Systems Health Unit: **SMDHU**

Total # of pages sent: **3**

# of samples sent this page: **3**

# of samples rec'd this page: **3**

Date Sampled: **20150729**

Collected By: **CHUCK WILKINSON**

Signature: *Chuck Wilkinson*

Name of Facility: **Washago Sector**

Drinking Water System (DWS) # **1545**

(As Assigned by MOE/MOH/LTC) Please See Below

Submitted By: **CHUCK WILKINSON**

Signature: *Chuck Wilkinson*

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: **2023 Kirkfield Road Kirkfield, ON, K0M 2B0**

Telephone: **705 438-3153** Ext: **705-438-5201 + Scan & Email**

Email Address: **chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca**

"Live Person" After Hours Contact Name and Tel. No.: **Chuck Wilkinson 705-887-8390**

| Time Sampled (AM/PM with 12-hour clock or use 24-hour clock) | Sample Identifier | Sampling Location (Describe the location AND indicate an appropriate letter classification: (A) Distribution - Consumes (B) Raw - Before Treatment & Not Consumed (C) Point of Entry - Consumed (RWC) Raw Water - Consumed without Treatment | Requires Notification as per SDWA 2002 (Please check one) | Temp. of Sample (Indicate °F or °C) | Treatment Information - Indicate Type/Chemical Levels |           | Additional Parameter Check if Required | Laboratory Number | Total Coliform CFU/100 ml | E. coli CFU/100 ml | Background CFU/100 ml | HPC CFU/1 ml | F&accol Strep CFU/100 ml |  |
|--|-------------------|--|---|-------------------------------------|---|-----------|--|-------------------|---------------------------|--------------------|-----------------------|--------------|--------------------------|--|
|  |                   |  |   |                                     | Chlorine mg/L   | Free mg/L |  |                   |                           |                    |                       |              |                          |  |
| 12:50  |                   | Lock 42<br>2597 Bonsor Rd. (D)   | 170/03  | 318/08                              | UV  |           |  |                   |                           |                    |                       |              |                          |  |
| 11:40  |                   | Lock 43<br>19 SR 409 Unit 1 (D)  |   |                                     |   |           |  |                   |                           |                    |                       |              |                          |  |
| 10:20  |                   | Lock 44<br>7001 Upper Big Chute Rd. (D)  |   |                                     |   |           |  |                   |                           |                    |                       |              |                          |  |
|  |                   | Lock 45<br>175 Port Severn Rd. (D)   |   |                                     |   |           |  |                   |                           |                    |                       |              |                          |  |

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FOR LABORATORY USE ONLY / LABORATORY COMMENTS

Analysis Date & Time: **JUL 30 2015 11:40** Enumerated By: **GO** Audited By: **GO**

Methodology (COAL Endo - COAL DC): M/F CFU/100ml

Methodology (COAL HPC): SP CFU/1ml; Methodology (COAL FS): M/F CFU/100ml

Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_

Lab No: **013791** Reported to Submitting Agency @ **County of North York** H.U. @ \_\_\_\_\_

Transcribed By: \_\_\_\_\_ Transcription Verified By: \_\_\_\_\_

MOE/MOH/LTC Report MOE/MOH/LTC Upload: \_\_\_\_\_

AWO# \_\_\_\_\_ SAC @ \_\_\_\_\_ BY: **GO** Date: **July 30/15**

Pre-Fax Check By: **GO**

**FAXED**

**JUL 30 2015**

Page \_\_\_\_\_ of \_\_\_\_\_

Invoiced: \_\_\_\_\_

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 318/08: 318/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOH/LTC. MOE/MOH/LTC will not be an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email, or postal mail, and e-transferred and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)

Approved for use by TJ prior to use. Primary Report, PITA 101, 1206, Revision 1.2



**Central Ontario Analytical Laboratory Inc.**

4260 Burnside Line, R.R. #4

Orillia, ON. L3V 6H4

Tel: 705-326-8285 Fax: 705-326-9316

Email: coal@on.aibn.com Web: www.coalab.ca

**THIS IS A COURTESY NOTIFICATION TO ASSIST YOU**

This notification is to inform you that your sample has an elevated count of one of the following:

lab# 013791

Heterotrophic Plate Counts (HPC) greater than 500 (> 500)

Background Counts greater than 200 (> 200).

BD

This can be viewed as an indicator of deterioration in the drinking water quality, which may lead to the development of total coliforms in your system. Elevated counts may suppress or mask the development of total coliforms in your laboratory results.

If there is ongoing elevated Heterotrophic Plate Counts or Total Coliform Background, the system should be inspected to determine the cause.

**PLEASE REMEMBER: THESE ARE NOT REPORTABLE TO THE M.O.E. AND HEALTH UNIT.** This notice is used to assist you in maintaining the quality of your water and to help prevent an adverse water quality incident.

SCANNED & EMAILED

-07-30 2015

BY \_\_\_\_\_

FAXED

JUL 30 2015

Page \_\_\_\_\_ 01 \_\_\_\_\_

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**

4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

**Chain of Custody**

Date/Time/Temp. (°C) Received: **JUL 29 2015 14:35** Initials of Receiver: **JS**  
 Date & Time incubated: **JUL 29 2015 1545**  
 HPC & FS Date & Time Incubated: **23.5**

|                              |       |
|------------------------------|-------|
| Township/Town                | 0     |
| Systems Health Unit          | RMDHD |
| Total # of pages             |       |
| # of samples sent this page  |       |
| # of samples rec'd this page | 2     |

Collected By: **CHUCK WILKINSON**  
 Signature: *[Signature]*  
 Name of Facility: **Washago Sector**  
 Drinking Water System (DWS) # **Washago Sector**  
 (As Assigned By MOE/MOHLTC) Please See Below  
 Submitted By: **CHUCK WILKINSON**  
 Signature: *[Signature]*

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: **2023 Kirkfield Road Kirkfield, ON, K0M 2B0**  
 Telephone: **705 438-3153** Ext: **705 438-5201 + Scan & Email**  
 Email Address: **chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca**  
 "Live Person" After Hours Contact Name and Tel. No: **Chuck Wilkinson 705-887-8390**

Comments: **013794 - Bottles says Hammet 1:05 - BLD**

| Time Sampled | Sample Identifier | Sampling Location (Describe the location AND indicate an appropriate letter classification.) | Requires Notification as per SDWA 2002: (Please check one) | Temp. of Sample (Indicate °F or °C) | Treatment Information - Indicate Type/Chlorine Levels |            | Laboratory Number | Total Coliform CFU/100 ml | E. coli CFU/100 ml | Background CFU/100 ml | HPC CFU/1 ml | Faecal Strip CFU/100 ml |
|--------------|-------------------|--|--|-------------------------------------|---|------------|-------------------|---------------------------|--------------------|-----------------------|--------------|-------------------------|
|              |                   |  |  |                                     | Chlorine Total mg/L                                   | Frees mg/L |                   |                           |                    |                       |              |                         |
| 1:05         |                   | Bridge 57<br>1641 Peninsula Pt. Rd. (D)  | 170/03<br>318/08<br>319/08                                 | N/A                                 |   |            | 013794            | 0                         | 0                  | 0                     |              |                         |
| 1:25         |                   | Washago Shop<br>3321 Bond St. (D)  |  |                                     |   |            | 013795            | 0                         | 0                  | 0                     |              |                         |

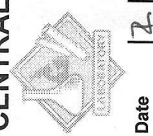
All samples will be considered DISTRIBUTION samples unless otherwise indicated. Sampling Precautions: Transport water samples under refrigeration to laboratory. The samples require analysis ideally within 30 hours and must be analyzed within 48 hours of collection. Analysis performed by qualified analysts. Results rotate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in those specific provinces/territories and the following inorganic and physical parameters: pH, turbidity, and alkalinity. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html. Separate bottle required for additional parameters: FS & Faecal Strip. = Faecal Streptococcus/HPC; Heterotrophic Plate Count; HW = Heavy Particulate Matter. N/R = Not Received. FS and HPC require 48 hours of incubation.

**FOR LABORATORY USE ONLY / LABORATORY COMMENTS**

Analysis Date & Time: **JUL 30 2015 1:00** Enumerated By: **GN** Audited By: **GN**  
 Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_  
 Lab No: \_\_\_\_\_ Reported to Submitting Agency @ **SAC @** \_\_\_\_\_ SAC @ **AWQI#** \_\_\_\_\_ By: \_\_\_\_\_ Date: **-07-30-2015**  
 Transcribed By: \_\_\_\_\_ Transcription Verified By: \_\_\_\_\_ Report Authorized By: \_\_\_\_\_  
 MOE/MOHLTC Upload: \_\_\_\_\_ Invoiced: \_\_\_\_\_  
**FAXED**  
**JUL 30 2015**  
 Page **1** of **1**

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg. 170/03 and O. Reg. 318/03 and O. Reg. 319/08 (please see www.one.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOHLTC/Waterworks for O. Reg. 170/03 and to MOE/MOHLTC/Waterworks for O. Reg. 318/03, 319/08. Failure to do so is an offence under the Act. Health Unit, telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail, and the person scanned and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)

Approved for use by TJ prior to use. Primary Report, PITA 101, 1206, Revision 1.2 Page 1 of 1



**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**  
 4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

**FOR LAB USE ONLY**

Date/Time/Temp. (°C) Received: Initials of Receiver: **JUL 30 2015** **AB 21.5**

Date & Time Incubated: **JUL 30 2015** **15:45**

HPC & FS Date & Time Incubated: **1600**

Date Sampled: **20150730**

Collected By: (Please Print) **Alex Taylor**

Signature: *Alex Taylor*

Name of Facility: **Washago Sector**

Systems Health Unit: **SMDHU**

Total # of pages sent: **1**

# of samples sent this page: **1**

# of samples (void this page): **1**

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: **2023 Kirkfield Road Kirkfield, ON, K0M 2B0**

Telephone: **705 438-3153** Ext: **705 438-5201 + Scan & Email**

Email Address: **chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca**

"Live Person" After Hours Contact Name and Tel. No: **Chuck Wilkinson 705-887-8390**

Drinking Water System (DWS) # **Washago Sector**

(As Assigned By MOE/MOHLTC) **Please See Below**

Submitted By: **Alex Taylor**

Signature: *Alex Taylor*

Comments/Conditions:

| Time Sampled (Indicate AM/PM with 12-hour clock or use 24-hour clock) | Sampling Location (Describe the location AND indicate an appropriate letter classification. (D) Distribution - Consumed (R) Raw - Before Treatment & Not Consumed (E) Point of Entry - Consumed (RWC) Raw Water - Consumed without Treatment) | Requires Notification as per SDWA 2002: (Please check one) | Temp. of Sample (Indicate °F or °C) | Treatment Information - Indicate Type/Chlorine Levels |           |            | Laboratory Number | Total Coliform CFU/100 ml | E. coli CFU/100 ml | Background CFU/100 ml | HPC CFU/1 ml | Faecal Strep. CFU/100 ml |
|---|---|--|-------------------------------------|---|-----------|------------|-------------------|---------------------------|--------------------|-----------------------|--------------|--------------------------|
|   |   |  |                                     | Operational/Field Chlorine                            | Free mg/L | Total mg/L |                   |                           |                    |                       |              |                          |
|   | Lock 42   | 170/03   | 318/08                              |   |           |            |                   |                           |                    |                       |              |                          |
|   | 2597 Bonsor Rd. (D)   |  | N/A                                 |   |           |            |                   |                           |                    |                       |              |                          |
|   | Lock 43   |  |                                     |   |           |            |                   |                           |                    |                       |              |                          |
|   | 19 SR 409 Unit 1 (D)  |  |                                     |   |           |            |                   |                           |                    |                       |              |                          |
|   | Lock 44   |  |                                     |   |           |            |                   |                           |                    |                       |              |                          |
|   | 7001 Upper Big Chute Rd. (D)  |  |                                     |   |           |            |                   |                           |                    |                       |              |                          |
|   | Lock 45   |  |                                     |   |           |            |                   |                           |                    |                       |              |                          |
|   | 175 Port Severn Rd. N. (D)  |  |                                     |   |           |            |                   |                           |                    |                       |              |                          |

**All samples will be considered DISTRIBUTION samples unless otherwise indicated. Sampling Precautions:** Transport water samples under refrigeration to laboratory. The samples require analysis ideally within 30 hours and must be analyzed within 48 hours of collection. Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity. COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity. This is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/water/samples.html. Separate bottle required for additional parameters. FS & Faecal Strep. = Faecal Streptococci; HPC = Heterotrophic Plate Count; HPM = Heavy Particulate Matter; N/R = Not Received; FS and HPC require 48 hours of incubation.

**FOR LABORATORY USE ONLY / LABORATORY COMMENTS**

Analysis Date & Time: **JUL 31 2015 14:30** Enumerated By: *DM* Audited By: *g*

Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_

Lab No: \_\_\_\_\_ Reported to Submitting Agency @ \_\_\_\_\_ SAC @ \_\_\_\_\_ AWQ# \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

Transcribed By: \_\_\_\_\_ Transcription Verified By: \_\_\_\_\_ Report Authorized By: \_\_\_\_\_

MOE/MOHLTC Upload: \_\_\_\_\_ Invoiced: \_\_\_\_\_

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 318/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOHLTC/Waterworks for O. Reg 170/03 and to MOHLTC/MOHLTC/Waterworks for O. Reg 318/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)

Approved for use by TJ prior to use.

Primary Report, PITA 101, 1206, Revision 1.2

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

## Final Certificate of Nitrate and Nitrite Analysis of Water

|                       |                    |           |
|-----------------------|--------------------|-----------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: |
| 2015-08-12 14:25      | 22.8               | MH        |

|                                      |                                      |                       |        |
|--------------------------------------|--------------------------------------|-----------------------|--------|
| Date Sampled:                        | 2015-08-12                           | Twp/Town              | Severn |
| Collected By:                        | K Marshall                           | Systems Health Unit   | SMDHU  |
| Name of Facility:                    | Trent Severn Waterway Washago Sector | Regulation            | N/A    |
| <b>Drinking Water System (DWS) #</b> |                                      | Total # of pages sent | 1      |
|                                      |                                      | # of samples sent     | 6      |
|                                      |                                      | # of samples received | 6      |

Report To: **Trent Severn Waterway ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road, P.O.Box 10 Kirkfield, ON K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; leigh.trethewey@pc.gc.ca; wayne.harpell@pc.gca.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: K Marshall

**Conditions/Comments**

| Time Sampled | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Nitrate as N |      | Nitrite as N |      | Nitrate + Nitrite as N |      |
|--------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|--------------|------|--------------|------|------------------------|------|
|              |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<          | mg/L | >/<          | mg/L | >/<                    | mg/L |
| 09:40        |                   | Lock 42 2597 Bonsor Rd            | D          |                         |                       |       |                              | SFA-283                     |                   | 0.043        |      | 0.022        |      | 0.065                  |      |
| 09:10        |                   | Bridge 57 1641 Peninsula Pt. Rd   | D          |                         |                       |       |                              | SFA-284                     |                   | 0.013        |      | 0.011        |      | 0.024                  |      |
| 11:00        |                   | Lock 43 19SR409 Unit 1            | D          |                         |                       |       |                              | SFA-285                     |                   | 0.118        |      | 0.011        |      | 0.129                  |      |
| 12:30        |                   | Lock 44 7001 Upper Big Chute Rd   | D          |                         |                       |       |                              | SFA-286                     |                   | 0.045        | <    | 0.010        |      | 0.045                  |      |
| 01:30        |                   | Lock 45 175 Port Severn Rd N      | D          |                         |                       |       |                              | SFA-287                     |                   | 0.029        |      | 0.010        |      | 0.039                  |      |
| 08:30        |                   | Washago Shop 3321 Bond St         | D          |                         |                       |       |                              | SFA-288                     |                   | 0.066        |      | 0.013        |      | 0.080                  |      |
|              |                   |                                   |            |                         |                       |       |                              |                             |                   |              |      |              |      |                        |      |
|              |                   |                                   |            |                         |                       |       |                              |                             |                   |              |      |              |      |                        |      |

All samples will be considered DISTRIBUTION samples unless otherwise indicated. All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific inorganic parameters. Raw = R  
 Distribution = D  
 Point of Entry = E  
 Raw Water Consumed = RWC

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

For collection and handling procedures visit www.coalab.ca/watersamples.html

N/R = Not Received N/A = Not Applicable

Analysis Date & Time: 2015-08-17 16:30 Analyzed By: TJ Audited By: LJ Methodology: SFA mg/L

Transcribed By: DL Authorized & Rechecked By: LJ/TJ/KN Copy Released By: LJ/AB/DB/KN

Lab No: \_\_\_\_\_ Parameter: \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ H.U. @ \_\_\_\_\_ SAC @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

| Test Methodology (SFA) and Detection Limit | COAL N | Detection Limit | Reportable Limit: | Methodology:   |
|--|--------|-----------------|-------------------|--|
| Nitrate                                    | COAL N | 0.010 mg/L      | 10.0 mg/L         | Automated Colourmetric Determination of Nitrate as N in water samples (modified EPA353.2)            |
| Nitrite                                    | COAL N | 0.010 mg/L      | 1.0 mg/L          | Automated Colourmetric Determination of Nitrite as N in water samples (modified EPA353.2)            |
| Nitrate + Nitrite                          | COAL N | 0.010 mg/L      | 10.0 mg/L         | Automated Colourmetric Determination of Nitrate + Nitrite as N in water samples (modified EPA 353.2) |

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 www.coalab.ca

**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-08-12 14:45 |
| 2015-08-12 14:23      | 22.8               | MH        | HPC & FS Date & Time Incubated: |                  |

|                               |                  |                              |        |
|-------------------------------|------------------|------------------------------|--------|
| Date Sampled:                 | 2015-08-12       | Twp/Town Systems Health Unit | SMDHU  |
| Collected By:                 | K. Marshall      | Regulation                   | 318/08 |
| Name of Facility              | Washago Sector   | Total # of pages sent        | 2      |
| Drinking Water System (DWS) # | Please See Below | # of samples sent            | 6      |
|                               |                  | # of samples received        | 6      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: K. Marshall

**Conditions/Comments**

| Time Sampled   | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              | Laboratory Number | Total Coliform              |     | E. coli    |     | Background |     | HPC        |     |
|----------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-------------------|-----------------------------|-----|------------|-----|------------|-----|------------|-----|
|                |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) |                   | Free Cl <sub>2</sub> (mg/L) | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< |
| <b>Lock 42</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 09:40          |                   | 2597 Bonsor Rd.                   | D          |                         |                       |       |                              | 014859            | 0                           | 0   | >          | 200 |            |     |            |     |
| <b>Lock 43</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 11:00          |                   | 19 SR 409 Unit 1                  | D          |                         |                       |       |                              | 014860            | 0                           | 0   | >          | 200 |            |     |            |     |
| <b>Lock 44</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 12:30          |                   | 7001 Upper Big Chute Rd.          | D          |                         |                       |       |                              | 014861            | 0                           | 0   |            | 0   |            |     |            |     |
| <b>Lock 45</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 01:30          |                   | 175 Port Severn Rd. N.            | D          |                         |                       |       |                              | 014862            | 0                           | 0   |            | 0   |            |     |            |     |

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 COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.  
 For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus    HPC = Heterotrophic Plate Count    HPM = Heavy Particulate Matter    N/R = Not Received    F.S. and HPC require 48 hours of incubation    Raw Water Consumed = RWC

Analysis Date & Time: 2015-08-13 13:00    Enumerated By: GD    Audited By: TW    Methodology: M/F CFU/100ml

Analysis Date & Time:    Enumerated By:    Audited By:    HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: DL    Authorized & Rechecked By: LJ/TJ/KN    Copy Released By: GD/AB/HM/KN

Lab No. 014859 + 014860    Submitting Agency @    Courtesy Notice    Health Unit @    Spills Action Centre (SAC) @    AWQI #    By: GD    Date: 2015-08-13

| Test Methodology and Detection Limit |           |                 | Reportable Limit:           | Methodology:                     |
|--------------------------------------|-----------|-----------------|-----------------------------|----------------------------------|
| Total Coliform                       | COAL Endo | Detection Limit | 0 - 80                      | Performed by Membrane Filtration |
| Total Coliform                       | COAL DC   | Detection Limit | 0 - 80                      | Performed by Membrane Filtration |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      | Performed by Membrane Filtration |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     | Performed by Membrane Filtration |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     | Performed by Membrane Filtration |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Performed by Spread Plate        |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      | Performed by Membrane Filtration |



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[www.coalab.ca](http://www.coalab.ca)

**Final Certificate of Microbiological Analysis of Drinking Water**

|   |                               |                 |  |
|---|-------------------------------|-----------------|--|
| Date & Time Received:<br>2015-08-12 14:23 | Temp. Rec'd.<br>(°C):<br>22.8 | Receiver:<br>MH | Date & Time Incubated:<br>2015-08-12 14:45 |
|   |                               |                 | HPC & FS Date & Time Incubated:            |

|   |  |
|---|--|
| Date Sampled:<br>2015-08-12                       | Twp/Town<br>Systems Health Unit<br>SMDHU |
| Collected By:<br>K. Marshall                      | Regulation<br>N/A                        |
| Name of Facility<br>Washago Sector                | Total # of pages sent<br>2               |
| Drinking Water System (DWS) #<br>Please See Below | # of samples sent<br>6                   |
|   | # of samples received<br>6               |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: [chuck.wilkinson@pc.gc.ca](mailto:chuck.wilkinson@pc.gc.ca); [kim.marshall@pc.gc.ca](mailto:kim.marshall@pc.gc.ca); [nicole.hamilton@pc.gc.ca](mailto:nicole.hamilton@pc.gc.ca)

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: K. Marshall

|                            |
|----------------------------|
| <b>Conditions/Comments</b> |
|----------------------------|

| Time Sampled        | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              | Laboratory Number | Total Coliform              |     | E. coli    |     | Background |     | HPC        |     |
|---------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-------------------|-----------------------------|-----|------------|-----|------------|-----|------------|-----|
|                     |                   |                                   |            |                         | UV                    | Other | Total Cl <sub>2</sub> (mg/L) |                   | Free Cl <sub>2</sub> (mg/L) | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< |
| <b>Bridge 57</b>    |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 09:10               |                   | 1641 Peninsula Pt. Rd.            | D          |                         |                       |       |                              | 014863            | 0                           | 0   | 0          |     |            |     |            |     |
| <b>Washago Shop</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 08:30               |                   | 3321 Bond St.                     | D          |                         |                       |       |                              | 014864            | 0                           | 0   | 0          |     |            |     |            |     |
|                     |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                     |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                     |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                     |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                     |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
|                     |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

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Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

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F.S. & Faecal Strep. = Faecal Streptococcus    HPC = Heterotrophic Plate Count    HPM = Heavy Particulate Matter    N/R = Not Received    F.S. and HPC require 48 hours of incubation    Raw Water Consumed = RWC

Raw = R  
Distribution = D  
Point of Entry = E

Analysis Date & Time: 2015-08-13 13:00    Enumerated By: GD    Audited By: TW    Methodology: M/F CFU/100ml

Analysis Date & Time:    Enumerated By:    Audited By:    HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: DL    Authorized & Rechecked By: LJ/TJ/KN    Copy Released By: GD/AB/HM/KN

Lab No.    Submitting Agency @    Health Unit @    Spills Action Centre (SAC) @    AWQI #    By:    Date:

| Test Methodology and Detection Limit | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
|--------------------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform                       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-08-25 15:30 |
| 2015-08-25 13:55      | 15.1               | ST        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-08-25

Collected By:  
 Name of Facility: Washago Sector  
**Drinking Water System (DWS) # Please See Below**

|                              |        |
|------------------------------|--------|
| Twp/Town Systems Health Unit | SMDHU  |
| Regulation                   | 318/08 |
| Total # of pages sent        | 2      |
| # of samples sent            | 6      |
| # of samples received        | 6      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By:

**Conditions/Comments** Date sampled as per Chuck to AB @ 14:00 2015-08-25. AB  
 Time sampled for Lock 45 as per Kim Marshall to AB @ 14:05 2015-08-25. AB

| Time Sampled   | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|----------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Lock 42</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:30          |                   | 2597 Bonsor Rd.                   | D          |                         |                       |       |                              |                             | 015854            | 0              | 0          | 38      |            |            |            |     |          |
| <b>Lock 43</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 10:44          |                   | 19 SR 409 Unit 1                  | D          |                         |                       |       |                              |                             | 015855            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Lock 44</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 12:30          |                   | 7001 Upper Big Chute Rd.          | D          |                         |                       |       |                              |                             | 015856            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Lock 45</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 13:00          |                   | 175 Port Severn Rd. N.            | D          |                         |                       |       |                              |                             | 015857            | 0              | 0          | 0       |            |            |            |     |          |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

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Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.

For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2015-08-26 14:30 Enumerated By: GD Audited By: CS Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: ST Authorized & Rechecked By: LJ/TJ/KN Copy Released By: GD/AB/HM

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

Test Methodology and Detection Limit

|                      |           |                 |                             |                          |      |                                  |                |
|----------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform       | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

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[www.coalab.ca](http://www.coalab.ca)

**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-08-25 15:30 |
| 2015-08-25 13:55      | 15.1               | ST        | HPC & FS Date & Time Incubated: |                  |

|                               |                  |                       |       |
|-------------------------------|------------------|-----------------------|-------|
| Date Sampled:                 | 2015-08-25       | Twp/Town              |       |
| Collected By:                 |                  | Systems Health Unit   | SMDHU |
| Name of Facility:             | Washago Sector   | Regulation            | N/A   |
| Drinking Water System (DWS) # | Please See Below | Total # of pages sent | 2     |
|                               |                  | # of samples sent     | 6     |
|                               |                  | # of samples received | 6     |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: [chuck.wilkinson@pc.gc.ca](mailto:chuck.wilkinson@pc.gc.ca); [kim.marshall@pc.gc.ca](mailto:kim.marshall@pc.gc.ca); [nicole.hamilton@pc.gc.ca](mailto:nicole.hamilton@pc.gc.ca)

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: \_\_\_\_\_

**Conditions/ Comments** Date sampled as per Chuck to AB @ 14:00 2015-08-25. AB

| Time Sampled        | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|---------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                     |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Bridge 57</b>    |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:46               |                   | 1641 Peninsula Pt. Rd.            | D          |                         |                       |       |                              |                             | 015858            | 0              |            | 0       |            | 0          |            |     |          |
| <b>Washago Shop</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:15               |                   | 3321 Bond St.                     | D          |                         |                       |       |                              |                             | 015859            | 0              |            | 0       |            | 0          |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

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Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

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For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)

F.S. & Faecal Strep. = Faecal Streptococcus      HPC = Heterotrophic Plate Count      HPM = Heavy Particulate Matter      N/R = Not Received      F.S. and HPC require 48 hours of incubation      Raw Water Consumed = RWC

Analysis Date & Time: 2015-08-26 14:30      Enumerated By: GD      Audited By: CS      Methodology: M/F CFU/100ml

Analysis Date & Time: \_\_\_\_\_      Enumerated By: \_\_\_\_\_      Audited By: \_\_\_\_\_      HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: ST      Authorized & Rechecked By: LJ/TJ/KN      Copy Released By: GD/AB/HM

Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

| Test Methodology and Detection Limit | COAL      | Detection Limit | Reportable Limit:           | 1    | Performed by                     | M/F CFU/100 ml |
|--------------------------------------|-----------|-----------------|-----------------------------|------|----------------------------------|----------------|
| Total Coliform                       | COAL Endo | Detection Limit | 0 - 80                      | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform                       | COAL DC   | Detection Limit | 0 - 80                      | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     | >200 | Indicates Deterioration:         | M/F CFU/100 ml |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     | >200 | Indicates Deterioration:         | M/F CFU/100 ml |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | >500 | Indicates Deterioration:         | SP CFU/1 ml    |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

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 www.coalab.ca

**Final Certificate of Microbiological Analysis of Drinking Water**

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-09-09 15:30 |
| 2015-09-09 14:30      | 6.1                | AB        | HPC & FS Date & Time Incubated: |                  |

|                                      |                         |                              |        |
|--------------------------------------|-------------------------|------------------------------|--------|
| Date Sampled:                        | 2015-09-09              | Twp/Town Systems Health Unit | SMDHU  |
| Collected By:                        | Chuck Wilkinson         | Regulation                   | 318/08 |
| Name of Facility                     | Washago Sector          | Total # of pages sent        | 2      |
| <b>Drinking Water System (DWS) #</b> | <b>Please See Below</b> | # of samples sent            | 6      |
|                                      |                         | # of samples received        | 6      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

|               |                 |                            |
|---------------|-----------------|----------------------------|
| Submitted By: | Chuck Wilkinson | <b>Conditions/Comments</b> |
|---------------|-----------------|----------------------------|

| Time Sampled   | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              | Laboratory Number | Total Coliform              |     | E. coli    |     | Background |     | HPC        |     |
|----------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-------------------|-----------------------------|-----|------------|-----|------------|-----|------------|-----|
|                |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) |                   | Free Cl <sub>2</sub> (mg/L) | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< | CFU/100 ml | >/< |
| <b>Lock 42</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 13:45          |                   | 2597 Bonsor Rd.                   | D          |                         |                       |       |                              | 016910            | 0                           |     | 0          |     | 20         |     |            |     |
| <b>Lock 43</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 12:25          |                   | 19 SR 409 Unit 1                  | D          |                         |                       |       |                              | 016911            | 0                           |     | 0          |     | 0          |     |            |     |
| <b>Lock 44</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 10:45          |                   | 7001 Upper Big Chute Rd.          | D          |                         |                       |       |                              | 016912            | 0                           |     | 0          |     | 0          |     |            |     |
| <b>Lock 45</b> |                   |                                   |            |                         |                       |       |                              |                   |                             |     |            |     |            |     |            |     |
| 10:00          |                   | 175 Port Severn Rd. N.            | D          |                         |                       |       |                              | 016913            | 0                           |     | 0          |     | 0          |     |            |     |

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Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

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F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Analysis Date & Time: 2015-09-10 14:00 Enumerated By: CS Audited By: HM Methodology: M/F CFU/100ml

Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: AM Authorized & Rechecked By: LJ/KN/TJ Copy Released By: HM/AB/CS

Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

| Test Methodology and Detection Limit | COAL      | Endo            | Detection Limit             | Reportable Limit:        | 1    | Performed by                     | M/F CFU/100 ml |
|--------------------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform                       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform                       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

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[www.coalab.ca](http://www.coalab.ca)

**Final Certificate of Microbiological Analysis of Drinking Water**

|   |                              |                 |  |
|---|------------------------------|-----------------|--|
| Date & Time Received:<br>2015-09-09 14:30 | Temp. Rec'd.<br>(°C):<br>6.1 | Receiver:<br>AB | Date & Time Incubated:<br>2015-09-09 15:30 |
|   |                              |                 | HPC & FS Date & Time<br>Incubated:         |

|   |  |
|---|--|
| Date Sampled:<br>2015-09-09                       | Twp/Town<br>Systems Health Unit<br>SMDHU |
| Collected By:<br>Chuck Wilkinson                  | Regulation<br>N/A                        |
| Name of Facility<br>Washago Sector                | Total # of pages sent<br>2               |
| Drinking Water System (DWS) #<br>Please See Below | # of samples sent<br>6                   |
|   | # of samples received<br>6               |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0

Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email

Email Address: [chuck.wilkinson@pc.gc.ca](mailto:chuck.wilkinson@pc.gc.ca); [kim.marshall@pc.gc.ca](mailto:kim.marshall@pc.gc.ca); [nicole.hamilton@pc.gc.ca](mailto:nicole.hamilton@pc.gc.ca)

"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

|                            |
|----------------------------|
| <b>Conditions/Comments</b> |
|----------------------------|

| Time Sampled        | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|---------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                     |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Bridge 57</b>    |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 13:25               |                   | 1641 Peninsula Pt. Rd.            | D          |                         |                       |       |                              |                             | 016914            | 0              |            | 0       |            | 0          |            |     |          |
| <b>Washago Shop</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 14:00               |                   | 3321 Bond St.                     | D          |                         |                       |       |                              |                             | 016915            | 37             |            | 5       | >          | 200        |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

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Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

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For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)

F.S. & Faecal Strep. = Faecal Streptococcus    HPC = Heterotrophic Plate Count    HPM = Heavy Particulate Matter    N/R = Not Received    F.S. and HPC require 48 hours of incubation    Raw = R  
 Distribution = D  
 Point of Entry = E  
 Raw Water Consumed = RWC

Analysis Date & Time: 2015-09-10 14:00    Enumerated By: CS    Audited By: HM    Methodology: M/F CFU/100ml

Analysis Date & Time:    Enumerated By:    Audited By:    HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: AM    Authorized & Rechecked By: LJ/KN/TJ    Copy Released By: HM/AB/CS

Lab No. 016915    Submitting Agency @ 14:10    Health Unit @    Fax copy    Spills Action Centre (SAC) @    AWQI #    By: CS    Date: 2015-09-10  
 to H.U

| Test Methodology and Detection Limit | COAL | Endo | Detection Limit | Reportable Limit:           | 1    | Performed by                     | M/F CFU/100 ml |
|--------------------------------------|------|------|-----------------|-----------------------------|------|----------------------------------|----------------|
| Total Coliform                       | COAL | Endo | Detection Limit | 0 - 80                      | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform                       | COAL | DC   | Detection Limit | 0 - 80                      | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                              | COAL | DC   | Detection Limit | 0 - 60                      | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL | Endo | Detection Limit | 0 - 200                     | >200 | Indicates Deterioration:         | M/F CFU/100 ml |
| Background                           | COAL | DC   | Detection Limit | 0 - 200                     | >200 | Indicates Deterioration:         | M/F CFU/100 ml |
| HPC                                  | COAL | HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | >500 | Indicates Deterioration:         | SP CFU/1 ml    |
| Faecal Streptococcus                 | COAL | FS   | Detection Limit | 0 - 80                      | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
 www.coalab.ca

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-09-24 14:30 |
| 2015-09-24 14:10      | 8.0                | AB        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-09-24  
 Collected By: Kim Marshall  
 Name of Facility: Washago Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |        |
|-----------------------|--------|
| Twp/Town              |        |
| Systems Health Unit   | SMDHU  |
| Regulation            | 318/08 |
| Total # of pages sent | 2      |
| # of samples sent     | 6      |
| # of samples received | 6      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Kim Marshall

**Conditions/Comments**

| Time Sampled   | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|----------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Lock 42</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:45          |                   | 2597 Bonsor Rd.                   | D          |                         |                       |       |                              |                             | 018069            | 0              | 0          | 0       | 0          |            |            |     |          |
| <b>Lock 43</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:35          |                   | 19 SR 409 Unit 1                  | D          |                         |                       |       |                              |                             | 018070            | 0              | 0          | 0       | 0          |            |            |     |          |
| <b>Lock 44</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:00          |                   | 7001 Upper Big Chute Rd.          | D          |                         |                       |       |                              |                             | 018071            | 0              | 0          | 0       | 0          |            |            |     |          |
| <b>Lock 45</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 12:20          |                   | 175 Port Severn Rd. N.            | D          |                         |                       |       |                              |                             | 018072            | 0              | 0          | 0       | 0          |            |            |     |          |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.

All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).

Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.

COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.  
 For collection and handling procedures visit www.coalab.ca/watersamples.html

F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2015-09-25 12:45 Enumerated By: SC Audited By: HM Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: AM Authorized & Rechecked By: LJ/KN/TJ Copy Released By: HM/AB/SC

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

### Test Methodology and Detection Limit

|                      |           |                 |                             |                          |      |                                  |                |
|----------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform       | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                  | COAL HPC  | Detection Limit | 10 - 2,00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



4260 Burnside Line, R.R. #4  
 Orillia, ON L3V 6H4  
 Tel: (705) 326-8285 Fax: (705) 326-9316  
[www.coalab.ca](http://www.coalab.ca)

## Final Certificate of Microbiological Analysis of Drinking Water

|   |                              |                 |  |
|---|------------------------------|-----------------|--|
| Date & Time Received:<br>2015-09-24 14:10 | Temp. Rec'd.<br>(°C):<br>8.0 | Receiver:<br>AB | Date & Time Incubated:<br>2015-09-24 14:30 |
|   |                              |                 | HPC & FS Date & Time Incubated:            |

Date Sampled: 2015-09-24  
 Collected By: Kim Marshall  
 Name of Facility: Washago Sector  
 Drinking Water System (DWS) #: Please See Below

|                       |       |
|-----------------------|-------|
| Twp/Town              |       |
| Systems Health Unit   | SMDHU |
| Regulation            | N/A   |
| Total # of pages sent | 2     |
| # of samples sent     | 6     |
| # of samples received | 6     |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: \_\_\_\_\_ Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Kim Marshall

Conditions/Comments

| Time Sampled        | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|---------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                     |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Bridge 57</b>    |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:25               |                   | 1641 Peninsula Pt. Rd.            | D          |                         |                       |       |                              |                             | 018073            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Washago Shop</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 08:05               |                   | 3321 Bond St.                     | D          |                         |                       |       |                              |                             | 018074            | 0              | 0          | 0       |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |

All samples will be considered DISTRIBUTION samples unless otherwise indicated.  
 All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).  
 Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL is accredited by SCC and licensed by MOE in these specific microbiological parameters and the following inorganic and physical parameters: pH, turbidity, and alkalinity.  
 COAL accepts no responsibility for parameters selected, misidentification of samples or incorrect quantity, this is the responsibility of the submitting agency.  
 For collection and handling procedures visit [www.coalab.ca/watersamples.html](http://www.coalab.ca/watersamples.html)  
 F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC  
 Raw = R  
 Distribution = D  
 Point of Entry = E

Analysis Date & Time: 2015-09-25 12:45 Enumerated By: SC Audited By: HM Methodology: M/F CFU/100ml  
 Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: AM Authorized & Rechecked By: LJ/KN/TJ Copy Released By: HM/AB/SC  
 Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

| Test Methodology and Detection Limit | Detection Limit             | Reportable Limit:        | 1    | Performed by                     | M/F CFU/100 ml |
|--------------------------------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform COAL Endo             | 0 - 80                      | 1                        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform COAL DC               | 0 - 80                      | 1                        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli COAL DC                      | 0 - 60                      | 1                        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background COAL Endo                 | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background COAL DC                   | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC COAL HPC                         | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus COAL FS         | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

# CENTRAL ONTARIO ANALYTICAL LABORATORY INC.



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 www.coalab.ca

## Final Certificate of Microbiological Analysis of Drinking Water

|                       |                    |           |                                 |                  |
|-----------------------|--------------------|-----------|---------------------------------|------------------|
| Date & Time Received: | Temp. Rec'd. (°C): | Receiver: | Date & Time Incubated:          | 2015-10-07 15:00 |
| 2015-10-07 14:10      | 21.4               | MH        | HPC & FS Date & Time Incubated: |                  |

Date Sampled: 2015-10-07  
 Collected By: Chuck Wilkinson  
 Name of Facility: Washago Sector  
**Drinking Water System (DWS) # Please See Below**

|                       |        |
|-----------------------|--------|
| Twp/Town              |        |
| Systems Health Unit   | SMDHU  |
| Regulation            | 318/08 |
| Total # of pages sent | 2      |
| # of samples sent     | 6      |
| # of samples received | 6      |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
 Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
 Telephone: 705 438-3153 Ext: Fax: 705-438-5201 + Scan & Email  
 Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
 "Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

|                            |
|----------------------------|
| <b>Conditions/Comments</b> |
|----------------------------|

| Time Sampled   | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|----------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Lock 42</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 12:40          |                   | 2597 Bonsor Rd.                   | D          |                         |                       |       |                              |                             | 018972            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Lock 43</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 11:10          |                   | 19 SR 409 Unit 1                  | D          |                         |                       |       |                              |                             | 018973            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Lock 44</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:45          |                   | 7001 Upper Big Chute Rd.          | D          |                         |                       |       |                              |                             | 018974            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Lock 45</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 09:30          |                   | 175 Port Severn Rd. N.            | D          |                         |                       |       |                              |                             | 018975            | 0              | 0          | 1       |            |            |            |     |          |

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F.S. & Faecal Strep. = Faecal Streptococcus HPC = Heterotrophic Plate Count HPM = Heavy Particulate Matter N/R = Not Received F.S. and HPC require 48 hours of incubation Raw Water Consumed = RWC

Raw = R

Distribution = D

Point of Entry = E

Analysis Date & Time: 2015-10-08 13:30 Enumerated By: CS Audited By: TW Methodology: M/F CFU/100ml

Analysis Date & Time: Enumerated By: Audited By: HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml

Transcribed By: SS Authorized & Rechecked By: LJ/TJ/KN Copy Released By: CS/AB/DL/SS

Lab No. Submitting Agency @ Health Unit @ Spills Action Centre (SAC) @ AWQI # By: Date:

### Test Methodology and Detection Limit

|                      |           |                 |                             |                          |      |                                  |                |
|----------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform       | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                  | COAL HPC  | Detection Limit | 10 - 2,00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |



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## Final Certificate of Microbiological Analysis of Drinking Water

|   |                               |                 |  |
|---|-------------------------------|-----------------|--|
| Date & Time Received:<br>2015-10-07 14:10 | Temp. Rec'd.<br>(°C):<br>21.4 | Receiver:<br>MH | Date & Time Incubated:<br>2015-10-07 15:00 |
|   |                               |                 | HPC & FS Date & Time Incubated:            |

Date Sampled: 2015-10-07  
Collected By: Chuck Wilkinson  
Name of Facility: Washago Sector  
Drinking Water System (DWS) #: Please See Below

|                       |       |
|-----------------------|-------|
| Twp/Town              |       |
| Systems Health Unit   | SMDHU |
| Regulation            | N/A   |
| Total # of pages sent | 2     |
| # of samples sent     | 6     |
| # of samples received | 6     |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**  
Address: 2023 Kirkfield Road Kirkfield, ON. K0M 2B0  
Telephone: 705 438-3153 Ext: \_\_\_\_\_ Fax: 705-438-5201 + Scan & Email  
Email Address: chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca  
"Live Person" After Hours Contact Name and Tel. No: Chuck Wilkinson 705-887-8390

Submitted By: Chuck Wilkinson

Conditions/Comments

| Time Sampled        | Sample Identifier | Identification of Collection Site | Water Type | Temp. Of Sample (°C/°F) | Treatment Information |       |                              |                             | Laboratory Number | Total Coliform |            | E. coli |            | Background |            | HPC |          |
|---------------------|-------------------|-----------------------------------|------------|-------------------------|-----------------------|-------|------------------------------|-----------------------------|-------------------|----------------|------------|---------|------------|------------|------------|-----|----------|
|                     |                   |                                   |            |                         | U.V.                  | Other | Total Cl <sub>2</sub> (mg/L) | Free Cl <sub>2</sub> (mg/L) |                   | >/<            | CFU/100 ml | >/<     | CFU/100 ml | >/<        | CFU/100 ml | >/< | CFU/1 ml |
| <b>Bridge 57</b>    |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 01:15               |                   | 1641 Peninsula Pt. Rd.            | D          |                         |                       |       |                              |                             | 018976            | 0              | 0          | 0       |            |            |            |     |          |
| <b>Washago Shop</b> |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
| 01:40               |                   | 3321 Bond St.                     | D          |                         |                       |       |                              |                             | 018977            | 0              | 0          | 0       |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |
|                     |                   |                                   |            |                         |                       |       |                              |                             |                   |                |            |         |            |            |            |     |          |

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**All times are transcribed in the 24-hour clock for upload to the Ministry of the Environment (MOE) and/or Ministry of Health and Long Term Care (MoHLTC).**  
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 F.S. & Faecal Strep. = Faecal Streptococcus    HPC = Heterotrophic Plate Count    HPM = Heavy Particulate Matter    NR = Not Received    F.S. and HPC require 48 hours of incubation    Raw Water Consumed = RWC

Analysis Date & Time: 2015-10-08 13:30 Enumerated By: CS Audited By: TW Methodology: M/F CFU/100ml  
 Analysis Date & Time: \_\_\_\_\_ Enumerated By: \_\_\_\_\_ Audited By: \_\_\_\_\_ HPC Methodology: SP CFU/1ml; FS Methodology: M/F CFU/100ml  
 Transcribed By: SS Authorized & Rechecked By: LJ/TJ/KN Copy Released By: CS/AB/DL/SS  
 Lab No. \_\_\_\_\_ Submitting Agency @ \_\_\_\_\_ Health Unit @ \_\_\_\_\_ Spills Action Centre (SAC) @ \_\_\_\_\_ AWQI # \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

| Test Methodology and Detection Limit | COAL      | Endo            | Detection Limit             | Reportable Limit:        | 1    | Performed by                     | M/F CFU/100 ml |
|--------------------------------------|-----------|-----------------|-----------------------------|--------------------------|------|----------------------------------|----------------|
| Total Coliform                       | COAL Endo | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Total Coliform                       | COAL DC   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| E. coli                              | COAL DC   | Detection Limit | 0 - 60                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL Endo | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| Background                           | COAL DC   | Detection Limit | 0 - 200                     | Indicates Deterioration: | >200 | Performed by Membrane Filtration | M/F CFU/100 ml |
| HPC                                  | COAL HPC  | Detection Limit | 10 - 2.00 x 10 <sup>3</sup> | Indicates Deterioration: | >500 | Performed by Spread Plate        | SP CFU/1 ml    |
| Faecal Streptococcus                 | COAL FS   | Detection Limit | 0 - 80                      | Reportable Limit:        | 1    | Performed by Membrane Filtration | M/F CFU/100 ml |

**CENTRAL ONTARIO ANALYTICAL LABORATORY INC.**

4260 Burnside Line, R.R. #4  
Orillia, ON L3V 6H4  
Tel: (705) 326-8285 Fax: (705) 326-9316  
www.coalab.ca

Date Sampled: 2015 07 21

Collected By: (Please Print) Elie Wright

Signature: [Signature]

Name of Facility: Washago Sector

Drinking Water System (DWS) # (As Assigned By MOE/MOHLTC) **Please See Below**

Submitted By: (Please Print) Elie Wright

Signature: [Signature]

|  |          |
|--|----------|
| Township/Town<br><b>Simcoe Muskoka</b> |          |
| Systems Health Unit<br><b>SMDHU</b>    |          |
| Total # of pages sent                  |          |
| # of samples sent this page            |          |
| # of samples r/cvd this page           | <b>1</b> |

**Chain of Custody**

Primary Report of Chemical Analysis of Water

|                  |  |                                 |  |       |
|------------------|--|---------------------------------|--|-------|
| FOR LAB USE ONLY | Date/Time/Temp. (°C) Received: <b>RECEIVED JUL 21 2015 13:15</b> | Initials of Receiver: <b>ty</b> | Date & Time Lead Preserved: <b>JUL 21 2015 13:26</b> | Tech: |
|                  |  |                                 |  |       |

Report To: **Trent Severn Waterway Kirkfield Sector ATTN: Chuck Wilkinson**

Address: **2023 Kirkfield Road Kirkfield, ON. K0M 2B0**

Telephone: **705 438-3153** Ext: Fax: **705-438-5201 + Scan & Email**

Email Address: **chuck.wilkinson@pc.gc.ca; kim.marshall@pc.gc.ca; nicole.hamilton@pc.gc.ca**

"Live Person" After Hours Contact Name and Tel. No: **Chuck Wilkinson 705-887-8390**

Comments/Conditions: **NDau = No Data: Quality Controls Unacceptable**

| Time Sampled<br>(Indicate AM/PM with 12 hour clock or use 24-hour clock) | Sample Identifier | Sampling Location<br>Describe the location AND indicate an appropriate letter classification.<br>(D) Distribution - Consumed<br>(R) Raw - Before Treatment & Not Consumed<br>(E) Point of Entry - Consumed<br>(RWC) Raw Water - Consumed | Requires Notification as per SDWA 2002: (Please check one) |                |     |      | Temp. of Sample (Indicate °F or °C) | Parameters: Please Check if Required |            |    |             | Laboratory Number | Lead µg/L | Turbidity NTU | Alkalinity mg/L as CaCO <sub>3</sub> | pH (at 25°C) |
|--|-------------------|--|--|----------------|-----|------|-------------------------------------|--------------------------------------|------------|----|-------------|-------------------|-----------|---------------|--------------------------------------|--------------|
|  |                   |  | 170/03   | 318/08; 319/08 | N/A | Lead |                                     | Turbidity                            | Alkalinity | pH |             |                   |           |               |                                      |              |
|  |                   | <b>Lock 42</b>   |  |                |     |      |                                     |                                      |            |    |             |                   |           |               |                                      |              |
| <b>12:40</b>   |                   | <b>2597 Bonsor Rd. (D)</b>   |  |                |     |      |                                     |                                      |            |    | <b>L-90</b> | <b>2100</b>       |           |               |                                      |              |
|  |                   | <b>Lock 43</b>   |  |                |     |      |                                     |                                      |            |    |             |                   |           |               |                                      |              |
|  |                   | <b>19 SR 409 Unit 1 (D)</b>  |  |                |     |      |                                     |                                      |            |    |             |                   |           |               |                                      |              |
|  |                   | <b>Lock 44</b>   |  |                |     |      |                                     |                                      |            |    |             |                   |           |               |                                      |              |
|  |                   | <b>7001 Upper Big Chute Rd. (D)</b>  |  |                |     |      |                                     |                                      |            |    |             |                   |           |               |                                      |              |
|  |                   | <b>Lock 45</b>   |  |                |     |      |                                     |                                      |            |    |             |                   |           |               |                                      |              |
|  |                   | <b>175 Port Severn Rd. N.(D)</b>   |  |                |     |      |                                     |                                      |            |    |             |                   |           |               |                                      |              |

**Sampling Precautions:** Transport water samples under refrigeration to laboratory; avoid freezing. COAL is accredited by SCC and licensed by MOE in these specific inorganic and physical parameters. **Lead samples receive immediate preservation by laboratory and must analyzed within 60 days of collection. Turbidity, Total Alkalinity, and pH samples require analysis as soon as possible and no later than 14 days after collection.** Analysis performed by qualified analysts. Results relate only to the aliquot submitted. Samples have been analyzed as received. COAL accepts no responsibility for parameters selected, misidentification of samples, incorrect quantity or incorrect collection procedure; this is the responsibility of the submitting agency. For collection and handling procedures visit www.coalab.ca/watersamples.html  
N/R = Not Received N/A = Not Applicable

Pre-Fax Check By: SC

FOR LABORATORY USE ONLY / LABORATORY COMMENTS 0ca2115 @ 11:01 spoke w/ Chuck re lead results Retraction DB.

Analysis Date & Time: JUL 22 2015 Analyzed By: SC Audited By: ty Methodology (COAL AA): Detection Limit: 1.00 µg/L, Reportable Limit: 10.0 µg/L

Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL T): Nephelometric NTU

Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL pH): Electrometric pH

Analysis Date & Time: \_\_\_\_\_ Analyzed By: \_\_\_\_\_ Audited By: \_\_\_\_\_ Methodology (COAL Alk): Digital Titration mg/L

Lab No: \_\_\_\_\_ Adverse Reported to Submitting Agency @ \_\_\_\_\_ H.U. @ \_\_\_\_\_ SAC @ \_\_\_\_\_ AWQI# \_\_\_\_\_ By: \_\_\_\_\_ Date: \_\_\_\_\_

Transcribed By: ST 15/07/2015 Verified By: Jed 29/15 Report Authorized By: AB July 29.15 Email/Mail Customer: 213044 Email H.U.: X MOE/MOHLTC Upload: X Invoiced: 36386 04 SEP 2015

Form cannot be altered without approval of COAL. The Safe Drinking Water Act (SDWA 2002), O. Reg 170/03 and O. Reg 318/08; 319/08 (please see www.ene.gov.on.ca for more information), requires that notification of exceedances must be reported to MOE/MOH Waterworks for O. Reg 170/03 and to MOHLTC/MOH Waterworks for O. Reg 318/08; 319/08. Failure to do so is an offence under the Act. Health Unit telephone and fax numbers are indicated on adverse paperwork. It is necessary that the above information is complete. A "live person" must be available in the event that notification is required. THIS FORM MUST BE COMPLETELY FILLED OUT OR THE LABORATORY MAY REFUSE RECEIPT OF THE SAMPLE(S) OR MAY APPLY AN ADMINISTRATIVE CHARGE FOR COMPLETION OF INFORMATION. Results will be sent by fax to one number or scan & email or postal mail and then transcribed and emailed to an unlimited number of addressee(s) inclusive in the standard price. After hours phone number for adverse resample emergencies 705-323-2828 (Surcharge for after hours samples)



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

08-April-2016

**Trent-Severn Waterway (Haliburton Sector)**

Attn : Greg Cooper

**Date Rec. :** 07 April 2016  
**LR Report:** CA14098-APR16

PO Box 249  
Haliburton, ON  
K0M 1S0,

**Copy:** #1

Phone: 705-457-2632 or 705-854-0598 (cell)  
Fax:705-457-3433

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 07-Apr-16                | 07-Apr-16         |
| 2: Analysis Start Time    |                    | ---                         | 13:50                    | 13:50             |
| 3: Analysis Approval Date |                    | ---                         | 08-Apr-16                | 08-Apr-16         |
| 4: Analysis Approval Time |                    | ---                         | 13:22                    | 13:22             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Kitchen             | 07-Apr-16 10:30    | 14.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

14-July-2016

**Trent-Severn Waterway (Haliburton Sector)**

Attn : Greg Cooper

**Date Rec. :** 08 July 2016  
**LR Report:** CA14164-JUL16

PO Box 249  
Haliburton, ON  
K0M 1S0,

**Copy:** #1

Phone: 705-457-2632 or 705-854-0598 (cell)  
Fax:705-457-3433

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Nitrite (as N) mg/L | Nitrate (as N) mg/L | Nitrate + Nitrite (as N) mg/L | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|---------------------|---------------------|-------------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 13-Jul-16           | 13-Jul-16           | 13-Jul-16                     | 08-Jul-16                | 08-Jul-16         |
| 2: Analysis Start Time    |                    | ---                         | 18:11               | 18:11               | 18:11                         | 16:05                    | 16:05             |
| 3: Analysis Approval Date |                    | ---                         | 14-Jul-16           | 14-Jul-16           | 14-Jul-16                     | 11-Jul-16                | 11-Jul-16         |
| 4: Analysis Approval Time |                    | ---                         | 12:24               | 12:24               | 12:24                         | 10:25                    | 10:25             |
| 5: MAC                    |                    | ---                         | 1                   | 10                  | 10                            | 0                        | 0                 |
| 6: MDL                    |                    | ---                         | 0.003               | 0.006               | 0.006                         | ---                      | ---               |
| 7: NR Kitchen Sink        | 08-Jul-16 12:45    | 19.0                        | 0.003 <MDL          | 1.11                | 1.11                          | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

MDL - SGS Method Detection Limit

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

14-October-2016

**Trent-Severn Waterway (Haliburton Sector)**

Attn : Greg Cooper

**Date Rec. :** 13 October 2016  
**LR Report:** CA14200-OCT16

PO Box 249  
Haliburton, ON  
K0M 1S0,

**Copy:** #1

Phone: 705-457-2632 or 705-854-0598 (cell)  
Fax:705-457-3433

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 13-Oct-16                | 13-Oct-16         |
| 2: Analysis Start Time    |                    | ---                         | 11:50                    | 11:50             |
| 3: Analysis Approval Date |                    | ---                         | 14-Oct-16                | 14-Oct-16         |
| 4: Analysis Approval Time |                    | ---                         | 11:14                    | 11:14             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Kitchen Sink        | 12-Oct-16 16:00    | 22.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

11-July-2016

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 08 July 2016  
**LR Report:** CA14160-JUL16

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 08-Jul-16                | 08-Jul-16         |
| 2: Analysis Start Time    |                    | ---                         | 14:20                    | 14:20             |
| 3: Analysis Approval Date |                    | ---                         | 11-Jul-16                | 11-Jul-16         |
| 4: Analysis Approval Time |                    | ---                         | 10:13                    | 10:13             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock #25            | 08-Jul-16 10:31    | 24.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

11-July-2016

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 07 July 2016  
**LR Report:** CA17970-JUL16

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 07-Jul-16                | 07-Jul-16         |
| 2: Analysis Start Time    |                    | ---                         | 14:55                    | 14:55             |
| 3: Analysis Approval Date |                    | ---                         | 08-Jul-16                | 08-Jul-16         |
| 4: Analysis Approval Time |                    | ---                         | 15:01                    | 15:01             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock #25            | 07-Jul-16 12:05    | 27.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

24-August-2016

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 19 August 2016  
**LR Report:** CA18572-AUG16

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Analysis                        | 1:<br>Analysis<br>Start Date | 2:<br>Analysis Start<br>Time | 3:<br>Analysis<br>Approval<br>Date | 4:<br>Analysis<br>Approval<br>Time | 5:<br>MAC | 6:<br>NR - Lock 30 |
|---------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------------|-----------|--------------------|
| Sample Date & Time              |                              |                              |                                    |                                    |           | 19-Aug-16 10:30    |
| Temperature Upon Receipt [°C]   | ---                          | ---                          | ---                                | ---                                | ---       | 19.0               |
| Nitrite (as N) [mg/L]           | 22-Aug-16                    | 23:12                        | 24-Aug-16                          | 11:59                              | 1         | < 0.003            |
| Nitrate (as N) [mg/L]           | 22-Aug-16                    | 23:12                        | 24-Aug-16                          | 11:59                              | 10        | 0.073              |
| Nitrate + Nitrite (as N) [mg/L] | 22-Aug-16                    | 23:12                        | 24-Aug-16                          | 11:59                              | 10        | 0.073              |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical





**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

13-June-2016

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 07 June 2016  
**LR Report:** CA14174-JUN16

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Nitrite (as N) mg/L | Nitrate (as N) mg/L | Nitrate + Nitrite (as N) mg/L | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|---------------------|---------------------|-------------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 10-Jun-16           | 10-Jun-16           | 10-Jun-16                     | 07-Jun-16                | 07-Jun-16         |
| 2: Analysis Start Time    |                    | ---                         | 07:44               | 07:44               | 07:44                         | 18:15                    | 18:15             |
| 3: Analysis Approval Date |                    | ---                         | 10-Jun-16           | 10-Jun-16           | 10-Jun-16                     | 09-Jun-16                | 09-Jun-16         |
| 4: Analysis Approval Time |                    | ---                         | 12:02               | 12:02               | 12:02                         | 16:46                    | 16:46             |
| 5: MAC                    |                    | ---                         | 1                   | 10                  | 10                            | 0                        | 0                 |
| 6: MDL                    |                    | ---                         | 0.003               | 0.006               | 0.006                         | ---                      | ---               |
| 7: NR Lock #22            | 07-Jun-16 10:35    | 17.0                        | 0.004               | 0.059               | 0.063                         | 0                        | 0                 |
| 8: NR Lock #23            | 07-Jun-16 10:28    | 17.0                        | 0.021               | 0.097               | 0.118                         | 0                        | 0                 |
| 9: NR Lock #24            | 07-Jun-16 09:53    | 17.0                        | 0.012               | 0.022               | 0.034                         | 0                        | 0                 |
| 10: NR Lock #25           | 07-Jun-16 10:15    | 17.0                        | 0.003               | 0.155               | 0.158                         | 0                        | 0                 |
| 11: NR Lock #27           | 07-Jun-16 14:03    | 17.0                        | <0.003              | <0.006              | <0.006                        | 0                        | 0                 |
| 12: NR Lock #28           | 07-Jun-16 13:48    | 17.0                        | 0.018               | 0.047               | 0.065                         | 0                        | 0                 |
| 13: NR Lock #31           | 07-Jun-16 13:28    | 17.0                        | 0.004               | 0.022               | 0.026                         | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

MDL - SGS Method Detection Limit

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

12-July-2016

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 11 July 2016  
**LR Report:** CA14221-JUL16

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 11-Jul-16                | 11-Jul-16         |
| 2: Analysis Start Time    |                    | ---                         | 16:50                    | 16:50             |
| 3: Analysis Approval Date |                    | ---                         | 12-Jul-16                | 12-Jul-16         |
| 4: Analysis Approval Time |                    | ---                         | 15:35                    | 15:35             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR - Lock 22           | 11-Jul-16 15:20    | 25.0                        | 0                        | 0                 |
| 7: NR - Lock 23           | 11-Jul-16 15:11    | 25.0                        | 0                        | 0                 |
| 8: NR - Lock 24           | 11-Jul-16 15:01    | 25.0                        | 0                        | 0                 |
| 9: NR - Lock 27           | 11-Jul-16 14:46    | 25.0                        | 0                        | 0                 |
| 10: NR - Lock 28          | 11-Jul-16 13:18    | 25.0                        | 0                        | 0                 |
| 11: NR - Lock 30          | 11-Jul-16 11:00    | 25.0                        | 0                        | 0                 |
| 12: NR - Lock 31          | 11-Jul-16 14:23    | 25.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

12-August-2016

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 08 August 2016  
**LR Report:** CA14234-AUG16

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Nitrite (as N) mg/L | Nitrate (as N) mg/L | Nitrate + Nitrite (as N) mg/L | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|---------------------|---------------------|-------------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 10-Aug-16           | 10-Aug-16           | 10-Aug-16                     | 08-Aug-16                | 08-Aug-16         |
| 2: Analysis Start Time    |                    | ---                         | 11:08               | 11:08               | 11:08                         | 18:15                    | 18:15             |
| 3: Analysis Approval Date |                    | ---                         | 12-Aug-16           | 12-Aug-16           | 12-Aug-16                     | 10-Aug-16                | 10-Aug-16         |
| 4: Analysis Approval Time |                    | ---                         | 11:10               | 11:10               | 11:10                         | 08:44                    | 08:44             |
| 5: MAC                    |                    | ---                         | 1                   | 10                  | 10                            | 0                        | 0                 |
| 6: MDL                    |                    | ---                         | 0.003               | 0.006               | 0.006                         | ---                      | ---               |
| 7: NR Lock #22            | 08-Aug-16 15:12    | 26.0                        | 0.004               | 0.056               | 0.060                         | 0                        | 0                 |
| 8: NR Lock #23            | 08-Aug-16 15:29    | 26.0                        | <0.003              | 0.050               | 0.050                         | 0                        | 0                 |
| 9: NR Lock #24            | 08-Aug-16 15:45    | 26.0                        | 0.006               | <0.006              | 0.006                         | 0                        | 0                 |
| 10: NR Lock #25           | 08-Aug-16 15:55    | 26.0                        | 0.005               | 0.143               | 0.148                         | 0                        | 0                 |
| 11: NR Lock #27           | 08-Aug-16 11:10    | 26.0                        | <0.003              | <0.006              | <0.006                        | 0                        | 0                 |
| 12: NR Lock #28           | 08-Aug-16 13:00    | 26.0                        | <0.003              | 0.117               | 0.117                         | 0                        | 0                 |
| 13: NR Lock #30           | 08-Aug-16 09:00    | 26.0                        | ---                 | ---                 | ---                           | 0                        | 0                 |
| 14: NR Lock #31           | 08-Aug-16 13:30    | 26.0                        | 0.009               | 0.055               | 0.064                         | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

MDL - SGS Method Detection Limit

NR - Not reportable under applicable Provincial drinking water regulations as per client.

**Kimberley Didsbury**  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

14-September-2016

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 12 September 2016  
**LR Report:** CA14270-SEP16

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 12-Sep-16                | 12-Sep-16         |
| 2: Analysis Start Time    |                    | ---                         | 15:55                    | 15:55             |
| 3: Analysis Approval Date |                    | ---                         | 13-Sep-16                | 13-Sep-16         |
| 4: Analysis Approval Time |                    | ---                         | 16:29                    | 16:29             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock #23            | 12-Sep-16          | 25.0                        | 0                        | 0                 |
| 7: NR Lock #24            | 12-Sep-16          | 25.0                        | 0                        | 0                 |
| 8: NR Lock #25            | 12-Sep-16          | 25.0                        | 0                        | 0                 |
| 9: NR Lock #27            | 12-Sep-16          | 25.0                        | 0                        | 0                 |
| 10: NR Lock #28           | 12-Sep-16          | 25.0                        | 0                        | 0                 |
| 11: NR Lock #30           | 12-Sep-16          | 25.0                        | 0                        | 0                 |
| 12: NR Lock #31           | 12-Sep-16          | 25.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical

**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
 Lakefield - Ontario - K0L 2H0  
 Phone: 705-652-2000 FAX: 705-652-6365

16-May-2016

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 13 May 2016  
**LR Report:** CA14336-MAY16

PO Box 567  
 Peterborough, ON  
 K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
 Fax:705-750-4140

## CERTIFICATE OF ANALYSIS

### Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 14-May-16                | 14-May-16         |
| 2: Analysis Start Time    |                    | ---                         | 12:50                    | 12:50             |
| 3: Analysis Approval Date |                    | ---                         | 16-May-16                | 16-May-16         |
| 4: Analysis Approval Time |                    | ---                         | 10:36                    | 10:36             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock #23            | 13-May-16          | 12.0                        | 0                        | 0                 |
| 7: NR Lock #24            | 13-May-16          | 12.0                        | 0                        | 0                 |
| 8: NR Lock #25            | 13-May-16          | 12.0                        | 0                        | 0                 |
| 9: NR Lock #27            | 13-May-16          | 12.0                        | 0                        | 0                 |
| 10: NR Lock #28           | 13-May-16          | 12.0                        | 0                        | 0                 |
| 11: NR Lock #30           | 13-May-16          | 12.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

  
 Carrie Greenlaw  
 Project Specialist  
 Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

18-May-2016

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 16 May 2016  
**LR Report:** CA14361-MAY16

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 16-May-16                | 16-May-16         |
| 2: Analysis Start Time    |                    | ---                         | 14:45                    | 14:45             |
| 3: Analysis Approval Date |                    | ---                         | 17-May-16                | 17-May-16         |
| 4: Analysis Approval Time |                    | ---                         | 14:24                    | 14:24             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock #23            | 16-May-16          | 10.0                        | 0                        | 0                 |
| 7: NR Lock #24            | 16-May-16          | 10.0                        | 0                        | 0                 |
| 8: NR Lock #25            | 16-May-16          | 10.0                        | 0                        | 0                 |
| 9: NR Lock #27            | 16-May-16          | 10.0                        | 0                        | 0                 |
| 10: NR Lock #28           | 16-May-16          | 10.0                        | 0                        | 0                 |
| 11: NR Lock #30           | 16-May-16          | 10.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

### Method Descriptions

| Parameter      | Description  | SGS Method Code           | Reference Method Code |
|----------------|--|---------------------------|-----------------------|
| E. Coli        | E.Coli by membrane filtration on DC media            | ME-CA-[ENV]MIC-LAK-AN-001 | OMOE MICROMFDC-E3407A |
| Total Coliform | Total Coliform by membrane filtration using DC media | ME-CA-[ENV]MIC-LAK-AN-001 | OMOE MICROMFDC-E3407A |

**Patti Stark**  
Project Specialist Environmental Services,  
Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

24-May-2016

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 20 May 2016  
**LR Report:** CA14545-MAY16

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 20-May-16                | 20-May-16         |
| 2: Analysis Start Time    |                    | ---                         | 16:40                    | 16:40             |
| 3: Analysis Approval Date |                    | ---                         | 24-May-16                | 24-May-16         |
| 4: Analysis Approval Time |                    | ---                         | 09:53                    | 09:53             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock #31            | 20-May-16 15:10    | 27.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

### Method Descriptions

| Parameter      | Description  | SGS Method Code           |
|----------------|--|---------------------------|
| E. Coli        | E.Coli by membrane filtration on DC media            | ME-CA-[ENV]MIC-LAK-AN-001 |
| Total Coliform | Total Coliform by membrane filtration using DC media | ME-CA-[ENV]MIC-LAK-AN-001 |

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

27-May-2016

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 24 May 2016  
**LR Report:** CA14564-MAY16

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

## CERTIFICATE OF ANALYSIS

### Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 24-May-16                | 24-May-16         |
| 2: Analysis Start Time    |                    | ---                         | 13:30                    | 13:30             |
| 3: Analysis Approval Date |                    | ---                         | 26-May-16                | 26-May-16         |
| 4: Analysis Approval Time |                    | ---                         | 10:25                    | 10:25             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock #31            | 24-May-16 10:00    | 19.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

### Method Descriptions

| Parameter      | Description  | SGS Method Code           |
|----------------|--|---------------------------|
| E. Coli        | E.Coli by membrane filtration on DC media            | ME-CA-[ENV]MIC-LAK-AN-001 |
| Total Coliform | Total Coliform by membrane filtration using DC media | ME-CA-[ENV]MIC-LAK-AN-001 |

**Kimberley Didsbury**  
Project Specialist  
Environmental Services, Analytical





**SGS Canada Inc.**

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Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

26-July-2016

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 25 July 2016  
**LR Report:** CA14657-JUL16

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 25-Jul-16                | 25-Jul-16         |
| 2: Analysis Start Time    |                    | ---                         | 17:05                    | 17:05             |
| 3: Analysis Approval Date |                    | ---                         | 26-Jul-16                | 26-Jul-16         |
| 4: Analysis Approval Time |                    | ---                         | 16:11                    | 16:11             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock #22            | 25-Jul-16 15:09    | 29.0                        | 0                        | 0                 |
| 7: NR Lock #23            | 25-Jul-16 15:15    | 29.0                        | 0                        | 0                 |
| 8: NR Lock #24            | 25-Jul-16 14:15    | 29.0                        | 0                        | 0                 |
| 9: NR Lock #25            | 25-Jul-16 14:01    | 29.0                        | 0                        | 0                 |
| 10: NR Lock #27           | 25-Jul-16 12:56    | 29.0                        | 0                        | 0                 |
| 11: NR Lock #28           | 25-Jul-16 12:41    | 29.0                        | 0                        | 0                 |
| 12: NR Lock #31           | 25-Jul-16 12:20    | 29.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

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Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

03-June-2016

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 31 May 2016  
**LR Report:** CA14766-MAY16

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 31-May-16                | 31-May-16         |
| 2: Analysis Start Time    |                    | ---                         | 16:05                    | 16:05             |
| 3: Analysis Approval Date |                    | ---                         | 02-Jun-16                | 02-Jun-16         |
| 4: Analysis Approval Time |                    | ---                         | 20:29                    | 20:29             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock #22            | 31-May-16 13:45    | 32.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

06-October-2016

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 03 October 2016  
**LR Report:** CA16024-OCT16

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL | Nitrite (as N) mg/L | Nitrate (as N) mg/L | Nitrate + Nitrite (as N) mg/L |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|---------------------|---------------------|-------------------------------|
| 1: Analysis Start Date    |                    | ---                         | 03-Oct-16                | 03-Oct-16         | 03-Oct-16           | 03-Oct-16           | 03-Oct-16                     |
| 2: Analysis Start Time    |                    | ---                         | 15:30                    | 15:30             | 21:55               | 21:55               | 21:55                         |
| 3: Analysis Approval Date |                    | ---                         | 04-Oct-16                | 04-Oct-16         | 05-Oct-16           | 05-Oct-16           | 05-Oct-16                     |
| 4: Analysis Approval Time |                    | ---                         | 14:29                    | 14:29             | 09:50               | 09:50               | 09:50                         |
| 5: MAC                    |                    | ---                         | 0                        | 0                 | < 0.003             | < 0.006             | < 0.006                       |
| 6: NR Lock #22            | 03-Oct-16          | 22.0                        | 0                        | 0                 | < 0.003             | 0.041               | 0.041                         |
| 7: NR Lock #23            | 03-Oct-16          | 22.0                        | 0                        | 0                 | < 0.003             | 0.080               | 0.080                         |
| 8: NR Lock #24            | 03-Oct-16          | 22.0                        | 0                        | 0                 | < 0.003             | 0.035               | 0.035                         |
| 9: NR Lock #25            | 03-Oct-16          | 22.0                        | 0                        | 0                 | < 0.003             | 0.114               | 0.114                         |
| 10: NR Lock #27           | 03-Oct-16          | 22.0                        | 0                        | 0                 | < 0.003             | <0.006              | <0.006                        |
| 11: NR Lock #28           | 03-Oct-16          | 22.0                        | 0                        | 0                 | < 0.003             | 0.115               | 0.115                         |
| 12: NR Lock #30           | 03-Oct-16          | 22.0                        | 0                        | 0                 | 0.008               | 0.022               | 0.030                         |
| 13: NR Lock #31           | 03-Oct-16          | 22.0                        | 0                        | 0                 | <0.003              | 0.044               | 0.044                         |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

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Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

14-June-2016

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 09 June 2016  
**LR Report:** CA16543-JUN16

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL | Nitrite (as N) mg/L | Nitrate (as N) mg/L | Nitrate + Nitrite (as N) mg/L |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|---------------------|---------------------|-------------------------------|
| 1: Analysis Start Date    |                    | ---                         | 09-Jun-16                | 09-Jun-16         | 13-Jun-16           | 13-Jun-16           | 13-Jun-16                     |
| 2: Analysis Start Time    |                    | ---                         | 12:40                    | 12:40             | 17:24               | 17:24               | 17:24                         |
| 3: Analysis Approval Date |                    | ---                         | 10-Jun-16                | 10-Jun-16         | 14-Jun-16           | 14-Jun-16           | 14-Jun-16                     |
| 4: Analysis Approval Time |                    | ---                         | 11:15                    | 11:15             | 14:33               | 14:33               | 14:33                         |
| 5: MAC                    |                    | ---                         | 0                        | 0                 | 0.003 <MDL          | 0.006 <MDL          | 0.006 <MDL                    |
| 6: NR Lock #30            | 08-Jun-16 15:30    | 19.0                        | 0                        | 0                 | 0.046               | 0.057               | 0.103                         |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

27-May-2016

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 26 May 2016  
**LR Report:** CA17010-MAY16

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 26-May-16                | 26-May-16         |
| 2: Analysis Start Time    |                    | ---                         | 13:55                    | 13:55             |
| 3: Analysis Approval Date |                    | ---                         | 27-May-16                | 27-May-16         |
| 4: Analysis Approval Time |                    | ---                         | 12:16                    | 12:16             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock #22            | 26-May-16 11:00    | 21.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

31-August-2016

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 29 August 2016  
**LR Report:** CA17153-AUG16

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 29-Aug-16                | 29-Aug-16         |
| 2: Analysis Start Time    |                    | ---                         | 18:25                    | 18:25             |
| 3: Analysis Approval Date |                    | ---                         | 31-Aug-16                | 31-Aug-16         |
| 4: Analysis Approval Time |                    | ---                         | 09:26                    | 09:26             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock #22            | 29-Aug-16 14:40    | 30.0                        | 0                        | 0                 |
| 7: NR Lock #23            | 29-Aug-16 14:56    | 30.0                        | 0                        | 0                 |
| 8: NR Lock #24            | 29-Aug-16 15:26    | 30.0                        | 0                        | 0                 |
| 9: NR Lock #25            | 29-Aug-16 15:15    | 30.0                        | 0                        | 0                 |
| 10: NR Lock #27           | 29-Aug-16 12:45    | 30.0                        | 0                        | 0                 |
| 11: NR Lock #28           | 29-Aug-16 11:43    | 30.0                        | 0                        | 0                 |
| 12: NR Lock #30           | 29-Aug-16 12:03    | 30.0                        | 0                        | 0                 |
| 13: NR Lock #31           | 29-Aug-16 11:15    | 30.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

19-September-2016

**Trent-Severn Waterway (Central Sector)**

Attn : Greg Stencell

**Date Rec. :** 16 September 2016  
**LR Report:** CA14382-SEP16

PO Box 567  
Peterborough, ON  
K9J 6Z6,

**Copy:** #1

Phone: 705-750-4130  
Fax:705-750-4140

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 16-Sep-16                | 16-Sep-16         |
| 2: Analysis Start Time    |                    | ---                         | 13:00                    | 13:00             |
| 3: Analysis Approval Date |                    | ---                         | 19-Sep-16                | 19-Sep-16         |
| 4: Analysis Approval Time |                    | ---                         | 11:52                    | 11:52             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock #22            | 16-Sep-16          | 23.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

07-October-2016

**Trent-Severn Waterway (Northern Sector)**

Attn : Chuck Wilkinson

**Date Rec. :** 05 October 2016

**LR Report:** CA14060-OCT16

2023 Kirkfield Road  
Kirkfield, ON  
K0M 2B0,

**Copy:** #1

Phone: 705-438-3153 or 705-887-8390 (cell)  
Fax:705-438-5201

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 05-Oct-16                | 05-Oct-16         |
| 2: Analysis Start Time    |                    | ---                         | 16:35                    | 16:35             |
| 3: Analysis Approval Date |                    | ---                         | 07-Oct-16                | 07-Oct-16         |
| 4: Analysis Approval Time |                    | ---                         | 10:40                    | 10:40             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Washago Shop        | 05-Oct-16 06:35    | 10.0                        | 0                        | 0                 |
| 7: NR Hamlet Bridge 57    | 05-Oct-16 06:35    | 10.0                        | 0                        | 0                 |
| 8: NR Lock 44             | 05-Oct-16 08:30    | 10.0                        | 0                        | 0                 |
| 9: NR Lock 45             | 05-Oct-16 07:35    | 10.0                        | 0                        | 0                 |
| 10: NR Lock 41            | 05-Oct-16 10:25    | 10.0                        | 0                        | 0                 |
| 11: NR Bridge 50          | 05-Oct-16 10:10    | 10.0                        | 0                        | 0                 |
| 12: NR Lock 40            | 05-Oct-16 10:40    | 10.0                        | 0                        | 0                 |
| 13: NR Lock 39            | 05-Oct-16 10:45    | 10.0                        | 0                        | 0                 |
| 14: NR Lock 38            | 05-Oct-16 10:50    | 10.0                        | 0                        | 0                 |
| 15: NR Lock 37            | 05-Oct-16 11:00    | 10.0                        | 0                        | 0                 |
| 16: NR Bridge 44          | 05-Oct-16 11:05    | 10.0                        | 0                        | 0                 |
| 17: NR Bridge 43          | 05-Oct-16 11:15    | 10.0                        | 0                        | 0                 |
| 18: NR Lock 36 KLL        | 05-Oct-16 11:45    | 10.0                        | 0                        | 0                 |
| 19: NR Kirkfield Shop     | 05-Oct-16 12:00    | 10.0                        | 0                        | 0                 |
| 20: NR Lock 35            | 05-Oct-16 12:25    | 10.0                        | 0                        | 0                 |
| 21: NR Lock 42            | 04-Oct-16 16:05    | 10.0                        | 0                        | 0                 |
| 22: NR Lock 43            | 04-Oct-16 15:30    | 10.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.





**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - KOL 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA14060-OCT16

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Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

**Trent-Severn Waterway (Northern Sector)**

Attn : Chuck Wilkinson

2023 Kirkfield Road  
Kirkfield, ON  
K0M 2B0,

Phone: 705-438-3153 or 705-887-8390 (cell)  
Fax:705-438-5201

08-June-2016

Date Rec. : 01 June 2016  
LR Report: CA14011-JUN16

Copy: #1

# CERTIFICATE OF ANALYSIS

## Final Report

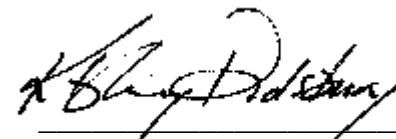
| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Nitrite (as N) mg/L | Nitrate (as N) mg/L | Nitrate + Nitrite (as N) mg/L | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|---------------------|---------------------|-------------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 02-Jun-16           | 02-Jun-16           | 02-Jun-16                     | 01-Jun-16                | 01-Jun-16         |
| 2: Analysis Start Time    |                    | ---                         | 17:38               | 17:38               | 17:38                         | 15:25                    | 15:25             |
| 3: Analysis Approval Date |                    | ---                         | 08-Jun-16           | 08-Jun-16           | 08-Jun-16                     | 03-Jun-16                | 03-Jun-16         |
| 4: Analysis Approval Time |                    | ---                         | 12:37               | 12:37               | 12:37                         | 09:25                    | 09:25             |
| 5: MAC                    |                    | ---                         | 1                   | 10                  | 10                            | 0                        | 0                 |
| 6: MDL                    |                    | ---                         | 0.003               | 0.006               | 0.006                         | ---                      | ---               |
| 7: NR Bridge 50           | 01-Jun-16 08:30    | 15.0                        | <0.003              | 0.026               | 0.026                         | 0                        | 0                 |
| 8: NR Lock 41             | 01-Jun-16 08:55    | 15.0                        | <0.003              | <0.006              | <0.006                        | 0                        | 0                 |
| 9: NR Lock 40             | 01-Jun-16 09:05    | 15.0                        | <0.003              | <0.006              | <0.006                        | 0                        | 0                 |
| 10: NR Lock 39            | 01-Jun-16 09:15    | 15.0                        | 0.003               | 0.009               | 0.012                         | 0                        | 0                 |
| 11: NR Lock 38            | 01-Jun-16 09:30    | 15.0                        | <0.003              | 0.039               | 0.039                         | 0                        | 0                 |
| 12: NR Bridge 44          | 01-Jun-16 09:45    | 15.0                        | <0.003              | <0.006              | <0.006                        | 0                        | 0                 |
| 13: NR Lock 37            | 01-Jun-16 09:55    | 15.0                        | <0.003              | <0.006              | <0.006                        | 0                        | 0                 |
| 14: NR Bridge 43          | 01-Jun-16 10:05    | 15.0                        | <0.003              | 0.014               | 0.014                         | 0                        | 0                 |
| 15: NR Kirkfield Shop     | 01-Jun-16 10:35    | 15.0                        | 0.023               | 0.248               | 0.271                         | 0                        | 0                 |
| 16: NR Rosedale           | 01-Jun-16 11:20    | 15.0                        | 0.004               | 0.020               | 0.024                         | 0                        | 0                 |
| 17: NR L KLL              | 01-Jun-16 10:40    | 15.0                        | <0.003              | 0.096               | 0.096                         | 0                        | 0                 |
| 18: NR Washago Shop       | 01-Jun-16 06:15    | 15.0                        | 0.012               | 0.058               | 0.071                         | 0                        | 0                 |
| 19: NR Lock 42            | 01-Jun-16 06:35    | 15.0                        | <0.003              | <0.006              | <0.006                        | 0                        | 0                 |

| Sample ID            | Sample Date & Time | Temperature Upon Receipt °C | Nitrite (as N) mg/L | Nitrate (as N) mg/L | Nitrate + Nitrite (as N) mg/L | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|----------------------|--------------------|-----------------------------|---------------------|---------------------|-------------------------------|--------------------------|-------------------|
| 20: NR Hamlet Bridge | 01-Jun-16 06:55    | 15.0                        | 0.004               | 0.075               | 0.080                         | 0                        | 0                 |
| 21: NR Lock 43       | 01-Jun-16 08:30    | 15.0                        | <0.003              | 0.020               | 0.020                         | 0                        | 0                 |
| 22: NR Lock 44       | 01-Jun-16 09:00    | 15.0                        | <0.003              | <0.006              | <0.006                        | 0                        | 0                 |
| 23: NR Lock 45       | 01-Jun-16 09:25    | 15.0                        | <0.003              | <0.006              | <0.006                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

MDL - SGS Method Detection Limit

NR - Not reportable under applicable Provincial drinking water regulations as per client.



Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

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Phone: 705-652-2000 FAX: 705-652-6365

16-February-2016

**Trent-Severn Waterway (Northern Sector)**

Attn : Chuck Wilkinson

**Date Rec. :** 11 February 2016  
**LR Report:** CA14184-FEB16

2023 Kirkfield Road  
Kirkfield, ON  
K0M 2B0,

**Copy:** #1

Phone: 705-438-3153 or 705-887-8390 (cell)  
Fax:705-438-5201

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                   | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL | Nitrite (as N) mg/L | Nitrate (as N) mg/L | Nitrate + Nitrite (as N) mg/L |
|-----------------------------|--------------------|-----------------------------|--------------------------|-------------------|---------------------|---------------------|-------------------------------|
| 1: Analysis Start Date      |                    | ---                         | 11-Feb-16                | 11-Feb-16         | 11-Feb-16           | 11-Feb-16           | 11-Feb-16                     |
| 2: Analysis Start Time      |                    | ---                         | 11:35                    | 11:35             | 23:34               | 23:34               | 23:34                         |
| 3: Analysis Approval Date   |                    | ---                         | 12-Feb-16                | 12-Feb-16         | 16-Feb-16           | 16-Feb-16           | 16-Feb-16                     |
| 4: Analysis Approval Time   |                    | ---                         | 11:25                    | 11:25             | 12:58               | 12:58               | 12:58                         |
| 5: MAC                      |                    | ---                         | 0                        | 0                 | 1                   | 10                  | 10                            |
| 6: NR Washago Shop          | 11-Feb-16          | 14.0                        | 0                        | 0                 | <0.003              | 0.023               | 0.023                         |
| 7: NR Kirkfield Shop        | 11-Feb-16          | 14.0                        | 0                        | 0                 | <0.003              | 0.064               | 0.064                         |
| 8: NR Kirkfield Liftlock 36 | 11-Feb-16          | 14.0                        | 0                        | 0                 | 0.009               | 0.373               | 0.382                         |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



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12-August-2016

**Trent-Severn Waterway (Northern Sector)**

Attn : Chuck Wilkinson

**Date Rec. :** 10 August 2016  
**LR Report:** CA14280-AUG16

2023 Kirkfield Road  
Kirkfield, ON  
K0M 2B0,

**Copy:** #1

Phone: 705-438-3153 or 705-887-8390 (cell)  
Fax:705-438-5201

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 10-Aug-16                | 10-Aug-16         |
| 2: Analysis Start Time    |                    | ---                         | 14:45                    | 14:45             |
| 3: Analysis Approval Date |                    | ---                         | 11-Aug-16                | 11-Aug-16         |
| 4: Analysis Approval Time |                    | ---                         | 18:24                    | 18:24             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR KLL/36              | 10-Aug-16 10:00    | 21.0                        | 0                        | 0                 |
| 7: NR Bridge 50           | 10-Aug-16 08:33    | 21.0                        | 0                        | 0                 |
| 8: NR Lock 41             | 10-Aug-16 08:43    | 21.0                        | 0                        | 0                 |
| 9: NR Lock 40             | 10-Aug-16 08:54    | 21.0                        | 0                        | 0                 |
| 10: NR Lock 39            | 10-Aug-16 08:57    | 21.0                        | 0                        | 0                 |
| 11: NR Lock 38            | 10-Aug-16 09:08    | 21.0                        | 0                        | 0                 |
| 12: NR Lock 37            | 10-Aug-16 09:20    | 21.0                        | 0                        | 0                 |
| 13: NR Bridge 44          | 10-Aug-16 09:15    | 21.0                        | 0                        | 0                 |
| 14: NR Bridge 43          | 10-Aug-16 09:36    | 21.0                        | 0                        | 0                 |
| 15: NR Kirkfield Shop     | 10-Aug-16 09:54    | 21.0                        | 0                        | 0                 |
| 16: NR Rosedale 35        | 10-Aug-16 12:11    | 21.0                        | 0                        | 0                 |
| 17: NR Port Severn        | 10-Aug-16 08:20    | 21.0                        | 0                        | 0                 |
| 18: NR Big Chute          | 10-Aug-16 08:50    | 21.0                        | 0                        | 0                 |
| 19: NR Hamlet             | 10-Aug-16 10:00    | 21.0                        | 0                        | 0                 |
| 20: NR Lock 42            | 10-Aug-16 10:30    | 21.0                        | 0                        | 0                 |
| 21: NR Washago Shop       | 10-Aug-16 10:45    | 21.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



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09-September-2016

**Trent-Severn Waterway (Northern Sector)**

Attn : Chuck Wilkinson

**Date Rec. :** 07 September 2016  
**LR Report:** CA16265-SEP16

2023 Kirkfield Road  
Kirkfield, ON  
K0M 2B0,

**Copy:** #1

Phone: 705-438-3153 or 705-887-8390 (cell)  
Fax:705-438-5201

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 07-Sep-16                | 07-Sep-16         |
| 2: Analysis Start Time    |                    | ---                         | 17:15                    | 17:15             |
| 3: Analysis Approval Date |                    | ---                         | 09-Sep-16                | 09-Sep-16         |
| 4: Analysis Approval Time |                    | ---                         | 12:52                    | 12:52             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Bridge 50           | 07-Sep-16 09:15    | 16.0                        | 0                        | 0                 |
| 7: NR Lock 41             | 07-Sep-16 09:30    | 16.0                        | 0                        | 0                 |
| 8: NR Lock 40             | 07-Sep-16 09:45    | 16.0                        | 0                        | 0                 |
| 9: NR Lock 39             | 07-Sep-16 09:55    | 16.0                        | 0                        | 0                 |
| 10: NR Lock 38            | 07-Sep-16 10:05    | 16.0                        | 0                        | 0                 |
| 11: NR Lock 37            | 07-Sep-16 10:15    | 16.0                        | 0                        | 0                 |
| 12: NR Bridge 44          | 07-Sep-16 10:25    | 16.0                        | 0                        | 0                 |
| 13: NR Bridge 43          | 07-Sep-16 10:40    | 16.0                        | 0                        | 0                 |
| 14: NR Lock 36            | 07-Sep-16 11:05    | 16.0                        | 0                        | 0                 |
| 15: NR Lock 35            | 07-Sep-16 11:40    | 16.0                        | 0                        | 0                 |
| 16: NR Kirkfield Shop     | 07-Sep-16 11:10    | 16.0                        | 0                        | 0                 |
| 17: NR Washago Shop       | 07-Sep-16 06:20    | 16.0                        | 0                        | 0                 |
| 18: NR Lock 42            | 07-Sep-16 06:35    | 16.0                        | 0                        | 0                 |
| 19: NR Hamlet Bridge 57   | 07-Sep-16 06:50    | 16.0                        | 0                        | 0                 |
| 20: NR Lock 44            | 07-Sep-16 08:00    | 16.0                        | 0                        | 0                 |
| 21: NR Lock 45            | 07-Sep-16 08:05    | 16.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

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09-September-2016

**Trent-Severn Waterway (Northern Sector)**

Attn : Chuck Wilkinson

**Date Rec. :** 07 September 2016  
**LR Report:** CA16245-SEP16

2023 Kirkfield Road  
Kirkfield, ON  
K0M 2B0,

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# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 07-Sep-16                | 07-Sep-16         |
| 2: Analysis Start Time    |                    | ---                         | 17:05                    | 17:05             |
| 3: Analysis Approval Date |                    | ---                         | 09-Sep-16                | 09-Sep-16         |
| 4: Analysis Approval Time |                    | ---                         | 12:18                    | 12:18             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock 43             | 06-Sep-16 16:00    | 16.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



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13-July-2016

**Trent-Severn Waterway (Northern Sector)**

Attn : Chuck Wilkinson

Date Rec. : 12 July 2016  
LR Report: CA14261-JUL16

2023 Kirkfield Road  
Kirkfield, ON  
K0M 2B0,

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Phone: 705-438-3153 or 705-887-8390 (cell)  
Fax:705-438-5201

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 12-Jul-16                | 12-Jul-16         |
| 2: Analysis Start Time    |                    | ---                         | 17:05                    | 17:05             |
| 3: Analysis Approval Date |                    | ---                         | 13-Jul-16                | 13-Jul-16         |
| 4: Analysis Approval Time |                    | ---                         | 15:15                    | 15:15             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock 39             | 12-Jul-16 08:30    | 19.0                        | 0                        | 0                 |
| 7: NR Bridge 50           | 12-Jul-16 09:10    | 19.0                        | 0                        | 0                 |
| 8: NR Lock 36             | 12-Jul-16 10:35    | 19.0                        | 0                        | 0                 |
| 9: NR Lock 35             | 12-Jul-16 11:25    | 19.0                        | 0                        | 0                 |
| 10: NR Bridge 44          | 12-Jul-16 09:50    | 19.0                        | 0                        | 0                 |
| 11: NR Lock 38            | 12-Jul-16 09:40    | 19.0                        | 0                        | 0                 |
| 12: NR Lock 41            | 12-Jul-16 09:20    | 19.0                        | 0                        | 0                 |
| 13: NR Bridge 43          | 12-Jul-16 10:05    | 19.0                        | 0                        | 0                 |
| 14: NR Kirkfield Shop     | 12-Jul-16 10:55    | 19.0                        | 0                        | 0                 |
| 15: NR Lock 37            | 12-Jul-16 09:55    | 19.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical





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16-June-2016

**Trent-Severn Waterway (Northern Sector)**

Attn : Chuck Wilkinson

**Date Rec. :** 15 June 2016  
**LR Report:** CA14351-JUN16

2023 Kirkfield Road  
Kirkfield, ON  
K0M 2B0,

**Copy:** #1

Phone: 705-438-3153 or 705-887-8390 (cell)  
Fax:705-438-5201

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 15-Jun-16                | 15-Jun-16         |
| 2: Analysis Start Time    |                    | ---                         | 14:40                    | 14:40             |
| 3: Analysis Approval Date |                    | ---                         | 16-Jun-16                | 16-Jun-16         |
| 4: Analysis Approval Time |                    | ---                         | 14:16                    | 14:16             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR KLL                 | 15-Jun-16 08:35    | 18.0                        | 0                        | 0                 |
| 7: NR Kirkfield Shop      | 15-Jun-16 09:00    | 18.0                        | 0                        | 0                 |
| 8: NR Bridge 50           | 15-Jun-16 09:50    | 18.0                        | 0                        | 0                 |
| 9: NR Lock 41             | 15-Jun-16 10:15    | 18.0                        | 0                        | 0                 |
| 10: NR Lock 40            | 15-Jun-16 10:35    | 18.0                        | 0                        | 0                 |
| 11: NR Lock 39            | 15-Jun-16 10:45    | 18.0                        | 0                        | 0                 |
| 12: NR Lock 38            | 15-Jun-16 11:00    | 18.0                        | 0                        | 0                 |
| 13: NR Bridge 44          | 15-Jun-16 11:15    | 18.0                        | 0                        | 0                 |
| 14: NR Bridge 43          | 15-Jun-16 11:30    | 18.0                        | 0                        | 0                 |
| 15: NR Rosedale           | 15-Jun-16 12:40    | 18.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

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Lakefield - Ontario - K0L 2H0  
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21-October-2016

**Trent-Severn Waterway (Northern Sector)**

Attn : Chuck Wilkinson

**Date Rec. :** 20 October 2016

**LR Report:** CA14371-OCT16

2023 Kirkfield Road  
Kirkfield, ON  
K0M 2B0,

**Copy:** #1

Phone: 705-438-3153 or 705-887-8390 (cell)  
Fax:705-438-5201

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 20-Oct-16                | 20-Oct-16         |
| 2: Analysis Start Time    |                    | ---                         | 14:30                    | 14:30             |
| 3: Analysis Approval Date |                    | ---                         | 21-Oct-16                | 21-Oct-16         |
| 4: Analysis Approval Time |                    | ---                         | 13:42                    | 13:42             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR L36 KLL             | 20-Oct-16 11:40    | 9.0                         | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

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27-October-2016

**Trent-Severn Waterway (Northern Sector)**

Attn : Chuck Wilkinson

**Date Rec. :** 25 October 2016

**LR Report:** CA14508-OCT16

2023 Kirkfield Road  
Kirkfield, ON  
K0M 2B0,

**Copy:** #1

Phone: 705-438-3153 or 705-887-8390 (cell)  
Fax:705-438-5201

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 25-Oct-16                | 25-Oct-16         |
| 2: Analysis Start Time    |                    | ---                         | 17:00                    | 17:00             |
| 3: Analysis Approval Date |                    | ---                         | 27-Oct-16                | 27-Oct-16         |
| 4: Analysis Approval Time |                    | ---                         | 08:52                    | 08:52             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock 36 KLL         | 25-Oct-16 10:35    | 19.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

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27-September-2016

**Trent-Severn Waterway (Northern Sector)**

Attn : Chuck Wilkinson

**Date Rec. :** 22 September 2016  
**LR Report:** CA14508-SEP16

2023 Kirkfield Road  
Kirkfield, ON  
K0M 2B0,

**Copy:** #1

Phone: 705-438-3153 or 705-887-8390 (cell)  
Fax:705-438-5201

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL | Nitrite (as N) mg/L | Nitrate (as N) mg/L | Nitrate + Nitrite (as N) mg/L |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|---------------------|---------------------|-------------------------------|
| 1: Analysis Start Date    |                    | ---                         | 22-Sep-16                | 22-Sep-16         | 24-Sep-16           | 24-Sep-16           | 24-Sep-16                     |
| 2: Analysis Start Time    |                    | ---                         | 14:10                    | 14:10             | 16:20               | 16:20               | 16:20                         |
| 3: Analysis Approval Date |                    | ---                         | 23-Sep-16                | 23-Sep-16         | 27-Sep-16           | 27-Sep-16           | 27-Sep-16                     |
| 4: Analysis Approval Time |                    | ---                         | 13:13                    | 13:13             | 15:29               | 15:29               | 15:29                         |
| 5: MAC                    |                    | ---                         | 0                        | 0                 | 1                   | 10                  | 10                            |
| 6: NR Bridge 50           | 22-Sep-16 07:45    | 7.0                         | 0                        | 0                 | <0.003              | 0.036               | 0.036                         |
| 7: NR Lock 41             | 22-Sep-16 07:55    | 7.0                         | 0                        | 0                 | <0.003              | 0.091               | 0.091                         |
| 8: NR Lock 40             | 22-Sep-16 08:10    | 7.0                         | 0                        | 0                 | 0.003               | 0.022               | 0.025                         |
| 9: NR Lock 39             | 22-Sep-16 08:15    | 7.0                         | 0                        | 0                 | <0.003              | <0.006              | <0.006                        |
| 10: NR Lock 38            | 22-Sep-16 08:25    | 7.0                         | 0                        | 0                 | 0.014               | 0.170               | 0.184                         |
| 11: NR Lock 37            | 22-Sep-16 08:35    | 7.0                         | 0                        | 0                 | 0.017               | 0.083               | 0.100                         |
| 12: NR Bridge 44          | 22-Sep-16 08:45    | 7.0                         | 0                        | 0                 | <0.003              | <0.006              | <0.006                        |
| 13: NR Bridge 43          | 22-Sep-16 08:55    | 7.0                         | 0                        | 0                 | 0.012               | 0.127               | 0.139                         |
| 14: NR Lock 35            | 22-Sep-16 10:25    | 7.0                         | 0                        | 0                 | 0.004               | 0.048               | 0.052                         |
| 15: NR Lock 36 KLL        | 22-Sep-16 09:50    | 7.0                         | 0                        | 0                 | 0.012               | 0.162               | 0.174                         |
| 16: NR Kirkfield Shop     | 22-Sep-16 09:50    | 7.0                         | 0                        | 0                 | 0.060               | 0.851               | 0.911                         |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
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02-August-2016

**Trent-Severn Waterway (Northern Sector)**

Attn : Chuck Wilkinson

Date Rec. : 28 July 2016  
LR Report: CA17355-JUL16

2023 Kirkfield Road  
Kirkfield, ON  
K0M 2B0,

Copy: #1

Phone: 705-438-3153 or 705-887-8390 (cell)  
Fax:705-438-5201

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 28-Jul-16                | 28-Jul-16         |
| 2: Analysis Start Time    |                    | ---                         | 14:20                    | 14:20             |
| 3: Analysis Approval Date |                    | ---                         | 29-Jul-16                | 29-Jul-16         |
| 4: Analysis Approval Time |                    | ---                         | 12:47                    | 12:47             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock 36             | 28-Jul-16 08:10    | 20.0                        | 5 MAC                    | 0                 |
| 7: NR Bridge 50           | 28-Jul-16 08:45    | 20.0                        | 0                        | 0                 |
| 8: NR Lock 41             | 28-Jul-16 09:20    | 20.0                        | 0                        | 0                 |
| 9: NR Lock 40             | 28-Jul-16 09:30    | 20.0                        | 0                        | 0                 |
| 10: NR Lock 39            | 28-Jul-16 09:35    | 20.0                        | 0                        | 0                 |
| 11: NR Lock 38            | 28-Jul-16 09:50    | 20.0                        | 0                        | 0                 |
| 12: NR Bridge 44          | 28-Jul-16 10:00    | 20.0                        | 0                        | 0                 |
| 13: NR Lock 37            | 28-Jul-16 10:10    | 20.0                        | 0                        | 0                 |
| 14: NR Bridge 43          | 28-Jul-16 10:40    | 20.0                        | 0                        | 0                 |
| 15: NR Lock 35            | 28-Jul-16 11:30    | 20.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
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Phone: 705-652-2000 FAX: 705-652-6365

30-June-2016

**Trent-Severn Waterway (Northern Sector)**

Attn : Chuck Wilkinson

**Date Rec. :** 28 June 2016  
**LR Report:** CA18530-JUN16

2023 Kirkfield Road  
Kirkfield, ON  
K0M 2B0,

**Copy:** #1

Phone: 705-438-3153 or 705-887-8390 (cell)  
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# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 28-Jun-16                | 28-Jun-16         |
| 2: Analysis Start Time    |                    | ---                         | 16:30                    | 16:30             |
| 3: Analysis Approval Date |                    | ---                         | 30-Jun-16                | 30-Jun-16         |
| 4: Analysis Approval Time |                    | ---                         | 12:54                    | 12:54             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR KLL                 | 28-Jun-16 08:00    | 20.0                        | 0                        | 0                 |
| 7: NR Bridge 50           | 28-Jun-16 08:25    | 20.0                        | 0                        | 0                 |
| 8: NR Lock 41             | 28-Jun-16 08:37    | 20.0                        | 0                        | 0                 |
| 9: NR Lock 40             | 28-Jun-16 08:50    | 20.0                        | 0                        | 0                 |
| 10: NR Lock 39            | 28-Jun-16 09:00    | 20.0                        | 0                        | 0                 |
| 11: NR Lock 38            | 28-Jun-16 09:11    | 20.0                        | 0                        | 0                 |
| 12: NR Lock 37            | 28-Jun-16 09:35    | 20.0                        | 0                        | 0                 |
| 13: NR Bridge 44          | 28-Jun-16 09:25    | 20.0                        | 0                        | 0                 |
| 14: NR Bridge 43          | 28-Jun-16 09:45    | 20.0                        | 0                        | 0                 |
| 15: NR Kirkfield Shop     | 28-Jun-16 10:05    | 20.0                        | 0                        | 0                 |
| 16: NR Lock 35            | 28-Jun-16 10:50    | 20.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

**Kimberley Didsbury**  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

20-May-2016

**Trent-Severn Waterway (Northern Sector)**

Attn : Chuck Wilkinson

Date Rec. : 18 May 2016  
LR Report: CA18821-MAY16

2023 Kirkfield Road  
Kirkfield, ON  
K0M 2B0,

Copy: #1

Phone: 705-438-3153 or 705-887-8390 (cell)  
Fax:705-438-5201

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 18-May-16                | 18-May-16         |
| 2: Analysis Start Time    |                    | ---                         | 15:55                    | 15:55             |
| 3: Analysis Approval Date |                    | ---                         | 20-May-16                | 20-May-16         |
| 4: Analysis Approval Time |                    | ---                         | 09:16                    | 09:16             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Kirkfield Shop      | 18-May-16 08:30    | 12.0                        | 0                        | 0                 |
| 7: NR Lock 36             | 18-May-16 08:30    | 12.0                        | 0                        | 0                 |
| 8: NR Lock 37             | 18-May-16 09:20    | 12.0                        | 0                        | 0                 |
| 9: NR Lock 38             | 18-May-16 09:10    | 12.0                        | 0                        | 0                 |
| 10: NR Lock 39            | 18-May-16 09:25    | 12.0                        | 0                        | 0                 |
| 11: NR Lock 40            | 18-May-16 09:35    | 12.0                        | 0                        | 0                 |
| 12: NR Lock 41            | 18-May-16 10:00    | 12.0                        | 0                        | 0                 |
| 13: NR Bridge 43          | 18-May-16 08:45    | 12.0                        | 0                        | 0                 |
| 14: NR Bridge 44          | 18-May-16 09:00    | 12.0                        | 0                        | 0                 |
| 15: NR Bridge 50          | 18-May-16 10:05    | 12.0                        | 0                        | 0                 |
| 16: NR Lock 35            | 18-May-16 11:50    | 12.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

Carrie Greenlaw  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

30-November-2016

**Trent-Severn Waterway (Northern Sector)**

Attn : Chuck Wilkinson

**Date Rec. :** 29 November 2016  
**LR Report:** CA14532-NOV16

2023 Kirkfield Road  
Kirkfield, ON  
K0M 2B0,

**Copy:** #1

Phone: 705-438-3153 or 705-887-8390 (cell)  
Fax:705-438-5201

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 29-Nov-16                | 29-Nov-16         |
| 2: Analysis Start Time    |                    | ---                         | 13:55                    | 13:55             |
| 3: Analysis Approval Date |                    | ---                         | 30-Nov-16                | 30-Nov-16         |
| 4: Analysis Approval Time |                    | ---                         | 13:06                    | 13:06             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Washago Shop        | 29-Nov-16 07:20    | 11.0                        | 0                        | 0                 |
| 7: NR KLL Lock # 36       | 29-Nov-16 07:55    | 11.0                        | 0                        | 0                 |
| 8: NR Kirkfield Shop      | 29-Nov-16 08:15    | 11.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical





**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

16-December-2016

**Trent-Severn Waterway (Northern Sector)**

Attn : Chuck Wilkinson

**Date Rec. :** 14 December 2016  
**LR Report:** CA16654-DEC16

2023 Kirkfield Road  
Kirkfield, ON  
K0M 2B0,

**Copy:** #1

Phone: 705-438-3153 or 705-887-8390 (cell)  
Fax:705-438-5201

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Lead ug/L |
|---------------------------|--------------------|-----------------------------|-----------|
| 1: Analysis Start Date    |                    | ---                         | 15-Dec-16 |
| 2: Analysis Start Time    |                    | ---                         | 11:00     |
| 3: Analysis Approval Date |                    | ---                         | 16-Dec-16 |
| 4: Analysis Approval Time |                    | ---                         | 14:09     |
| 5: MAC                    |                    | ---                         | 10        |
| 6: MDL                    |                    | ---                         | 0.01      |
| 7: NR Washago Shop        | 14-Dec-16 08:30    | 10.0                        | 1.02      |
| 8: NR KLL Lock 36         | 14-Dec-16 09:00    | 10.0                        | 1.06      |
| 9: NR Kirkfield Shop      | 14-Dec-16 08:45    | 10.0                        | 0.61      |

MAC - Maximum Acceptable Concentration

MDL - SGS Method Detection Limit

NR - Not regulated / reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
*Kimberley Didsbury*  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

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Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

09-June-2016

**Trent-Severn Waterway (Southern Area)**

Attn : Greg Stencell

**Date Rec. :** 07 June 2016  
**LR Report:** CA14164-JUN16

12 Trent Drive  
Campbellford, ON  
K0L 1L0,

**Copy:** #1

Phone: 705-653-3240  
Fax:705-653-2053

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 07-Jun-16                | 07-Jun-16         |
| 2: Analysis Start Time    |                    | ---                         | 12:10                    | 12:10             |
| 3: Analysis Approval Date |                    | ---                         | 09-Jun-16                | 09-Jun-16         |
| 4: Analysis Approval Time |                    | ---                         | 11:22                    | 11:22             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR - Lock #9-Meyers    | 07-Jun-16 08:40    | 10.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

### Method Descriptions

| Parameter      | Description  | SGS Method Code           |
|----------------|--|---------------------------|
| E. Coli        | E.Coli by membrane filtration on DC media            | ME-CA-[ENV]MIC-LAK-AN-001 |
| Total Coliform | Total Coliform by membrane filtration using DC media | ME-CA-[ENV]MIC-LAK-AN-001 |

**Kimberley Didsbury**  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

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Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

30-May-2016

**Trent-Severn Waterway (Southern Area)**

Attn : Greg Stencell

**Date Rec. :** 26 May 2016  
**LR Report:** CA14664-MAY16

12 Trent Drive  
Campbellford, ON  
K0L 1L0,

**Copy:** #1

Phone: 705-653-3240  
Fax:705-653-2053

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                            | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|--------------------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date               |                    | ---                         | 26-May-16                | 26-May-16         |
| 2: Analysis Start Time               |                    | ---                         | 16:55                    | 16:55             |
| 3: Analysis Approval Date            |                    | ---                         | 27-May-16                | 27-May-16         |
| 4: Analysis Approval Time            |                    | ---                         | 16:45                    | 16:45             |
| 5: MAC                               |                    | ---                         | 0                        | 0                 |
| 6: NR Brighton Road Bridge           | 25-May-16 11:10    | 9.0                         | 0                        | 0                 |
| 7: NR Carrying Place Bridge          | 25-May-16 11:30    | 9.0                         | 0                        | 0                 |
| 8: NR Lock #4-Batawa                 | 25-May-16 12:25    | 9.0                         | 0                        | 0                 |
| 9: NR Lock #7-Glen Ross              | 25-May-16 13:25    | 9.0                         | 0                        | 0                 |
| 10: NR Lock #8-Percy Reach           | 25-May-16 14:20    | 9.0                         | 0                        | 0                 |
| 11: NR Lock #10-Hagues Reach         | 25-May-16 14:50    | 9.0                         | 0                        | 0                 |
| 12: NR Lock #14-Crowe Bay            | 25-May-16 15:15    | 9.0                         | 0                        | 0                 |
| 13: NR Lock #16/17 Healy Falls Upper | 25-May-16 16:15    | 9.0                         | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

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Lakefield - Ontario - K0L 2H0  
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03-June-2016

**Trent-Severn Waterway (Southern Area)**

Attn : Greg Stencell

**Date Rec. :** 31 May 2016  
**LR Report:** CA14762-MAY16

12 Trent Drive  
Campbellford, ON  
K0L 1L0,

**Copy:** #1

Phone: 705-653-3240  
Fax:705-653-2053

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                            | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|--------------------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date               |                    | ---                         | 31-May-16                | 31-May-16         |
| 2: Analysis Start Time               |                    | ---                         | 16:05                    | 16:05             |
| 3: Analysis Approval Date            |                    | ---                         | 02-Jun-16                | 02-Jun-16         |
| 4: Analysis Approval Time            |                    | ---                         | 20:29                    | 20:29             |
| 5: MAC                               |                    | ---                         | 0                        | 0                 |
| 6: NR Brighton Road Bridge           | 30-May-16 12:25    | 9.0                         | 0                        | 0                 |
| 7: NR Carrying Place Bridge          | 30-May-16 12:45    | 9.0                         | 0                        | 0                 |
| 8: NR Lock #4-Batawa                 | 30-May-16 14:25    | 9.0                         | 0                        | 0                 |
| 9: NR Lock #7-Glen Ross              | 30-May-16 15:00    | 9.0                         | 0                        | 0                 |
| 10: NR Lock #8-Percy Reach           | 30-May-16 09:00    | 9.0                         | 0                        | 0                 |
| 11: NR Lock #9-Meyes                 | 30-May-16 09:15    | 9.0                         | 0                        | 0                 |
| 12: NR Lock #10-Hagues Reach         | 30-May-16 09:30    | 9.0                         | 0                        | 0                 |
| 13: NR Lock #14-Crowe Bay            | 30-May-16 09:50    | 9.0                         | 0                        | 0                 |
| 14: NR Lock #16/17-Healy Falls Upper | 30-May-16 10:20    | 9.0                         | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

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Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

07-July-2016

**Trent-Severn Waterway (Southern Area)**

Attn : Greg Stencell

**Date Rec. :** 30 June 2016  
**LR Report:** CA14772-JUN16

12 Trent Drive  
Campbellford, ON  
K0L 1L0,

**Copy:** #1

Phone: 705-653-3240  
Fax:705-653-2053

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                            | Sample Date & Time | Temperature Upon Receipt °C | Nitrite (as N) mg/L | Nitrate (as N) mg/L | Nitrate + Nitrite (as N) mg/L | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|--------------------------------------|--------------------|-----------------------------|---------------------|---------------------|-------------------------------|--------------------------|-------------------|
| 1: Analysis Start Date               |                    | ---                         | 05-Jul-16           | 05-Jul-16           | 05-Jul-16                     | 30-Jun-16                | 30-Jun-16         |
| 2: Analysis Start Time               |                    | ---                         | 16:07               | 16:07               | 16:07                         | 17:30                    | 17:30             |
| 3: Analysis Approval Date            |                    | ---                         | 06-Jul-16           | 06-Jul-16           | 06-Jul-16                     | 04-Jul-16                | 04-Jul-16         |
| 4: Analysis Approval Time            |                    | ---                         | 11:48               | 11:48               | 11:48                         | 09:11                    | 09:11             |
| 5: MAC                               |                    | ---                         | 1                   | 10                  | 10                            | 0                        | 0                 |
| 6: MDL                               |                    | ---                         | 0.003               | 0.006               | 0.006                         | ---                      | ---               |
| 7: NR Brighton Bridge                | 29-Jun-16 15:15    | 6.0                         | <0.0003             | 0.701               | 0.701                         | ---                      | ---               |
| 8: NR Carrying Place Bridge          | 29-Jun-16 14:50    | 6.0                         | <0.0003             | 0.206               | 0.206                         | 0                        | 0                 |
| 9: NR Lock #4 Batawa                 | 29-Jun-16 13:00    | 6.0                         | 0.010               | 0.008               | 0.018                         | 0                        | 0                 |
| 10: NR Lock #7 Glen Ross             | 29-Jun-16 11:55    | 6.0                         | <0.0003             | 0.018               | 0.018                         | 0                        | 0                 |
| 11: NR Lock #8 Percy Reach           | 29-Jun-16 10:57    | 6.0                         | 0.006               | 0.046               | 0.052                         | 0                        | 0                 |
| 12: NR Lock #9 Meyers                | 29-Jun-16 10:30    | 6.0                         | <0.0003             | 0.016               | 0.016                         | 0                        | 0                 |
| 13: NR Lock #14 Crowe Bay            | 30-Jun-16 13:00    | 6.0                         | <0.0003             | 0.027               | 0.027                         | 0                        | 0                 |
| 14: NR Lock #15 Healy Falls Lower    | 30-Jun-16 15:00    | 6.0                         | 0.010               | 0.010               | 0.020                         | 0                        | 0                 |
| 15: NR Lock #16/17 Healy Falls Upper | 30-Jun-16 15:10    | 6.0                         | <0.0003             | 0.029               | 0.029                         | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

MDL - SGS Method Detection Limit

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

11-July-2016

**Trent-Severn Waterway (Southern Area)**

Attn : Greg Stencell

**Date Rec. :** 04 July 2016  
**LR Report:** CA16014-JUL16

12 Trent Drive  
Campbellford, ON  
K0L 1L0,

**Copy:** #1

Phone: 705-653-3240  
Fax:705-653-2053

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                        | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL | Nitrite (as N) mg/L | Nitrate (as N) mg/L | Nitrate + Nitrite (as N) mg/L |
|----------------------------------|--------------------|-----------------------------|--------------------------|-------------------|---------------------|---------------------|-------------------------------|
| 1: Analysis Start Date           |                    | ---                         | 04-Jul-16                | 04-Jul-16         | 06-Jul-16           | 06-Jul-16           | 06-Jul-16                     |
| 2: Analysis Start Time           |                    | ---                         | 17:50                    | 17:50             | 21:36               | 21:36               | 21:36                         |
| 3: Analysis Approval Date        |                    | ---                         | 05-Jul-16                | 05-Jul-16         | 11-Jul-16           | 11-Jul-16           | 11-Jul-16                     |
| 4: Analysis Approval Time        |                    | ---                         | 16:42                    | 16:42             | 12:39               | 12:39               | 12:39                         |
| 5: MAC                           |                    | ---                         | 0                        | 0                 | < 0.003             | < 0.006             | < 0.006                       |
| 6: NR Brighton Road Bridge       | 04-Jul-16 10:40    | 19.0                        | 0                        | 0                 | ---                 | ---                 | ---                           |
| 7: NR Lock #10 Hagues Reach      | 04-Jul-16 12:55    | 19.0                        | 0                        | 0                 | <0.003              | <0.006              | <0.006                        |
| 8: NR Lock #15 Healy Falls Lower | 04-Jul-16 13:40    | 19.0                        | 0                        | 0                 | ---                 | ---                 | ---                           |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

*Kimberley Didsbury*  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

22-August-2016

**Trent-Severn Waterway (Southern Area)**

Attn : Greg Stencell

**Date Rec. :** 19 August 2016  
**LR Report:** CA18561-AUG16

12 Trent Drive  
Campbellford, ON  
K0L 1L0,

**Copy:** #1

Phone: 705-653-3240  
Fax:705-653-2053

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                              | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|--|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date                 |                    | ---                         | 19-Aug-16                | 19-Aug-16         |
| 2: Analysis Start Time                 |                    | ---                         | 13:25                    | 13:25             |
| 3: Analysis Approval Date              |                    | ---                         | 22-Aug-16                | 22-Aug-16         |
| 4: Analysis Approval Time              |                    | ---                         | 09:31                    | 09:31             |
| 5: MAC                                 |                    | ---                         | 0                        | 0                 |
| 6: NR Brighton Road Bridge             | 18-Aug-16 13:00    | 13.0                        | 0                        | 0                 |
| 7: NR Carrying Place Bridge            | 18-Aug-16 12:45    | 13.0                        | 0                        | 0                 |
| 8: NR Lock #4 Batawa                   | 18-Aug-16 12:15    | 13.0                        | 0                        | 0                 |
| 9: NR Lock #7 Glen Ross                | 18-Aug-16 10:45    | 13.0                        | 0                        | 0                 |
| 10: NR Lock #8 Percy Reach             | 18-Aug-16 13:00    | 13.0                        | 0                        | 0                 |
| 11: NR Lock #9 Meyers                  | 18-Aug-16 12:40    | 13.0                        | 0                        | 0                 |
| 12: NR Lock #10 Hauges Reach           | 18-Aug-16 12:28    | 13.0                        | 0                        | 0                 |
| 13: NR Lock #14 Crowe Bay              | 18-Aug-16 12:05    | 13.0                        | 0                        | 0                 |
| 14: NR Lock #15 Healy Falls (Lower)    | 18-Aug-16 11:10    | 13.0                        | 0                        | 0                 |
| 15: NR Lock #16/17 Healy (Falls Upper) | 18-Aug-16 10:30    | 13.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
Lakefield - Ontario - K0L 2H0  
Phone: 705-652-2000 FAX: 705-652-6365

29-July-2016

**Trent-Severn Waterway (Southern Area)**

Attn : Greg Stencell

Date Rec. : 26 July 2016  
LR Report: CA18959-JUL16

12 Trent Drive  
Campbellford, ON  
K0L 1L0,

Copy: #1

Phone: 705-653-3240  
Fax:705-653-2053

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                             | Sample Date & Time | Temperature Upon Receipt °C | Nitrite (as N) mg/L | Nitrate (as N) mg/L | Nitrate + Nitrite (as N) mg/L | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------------------|--------------------|-----------------------------|---------------------|---------------------|-------------------------------|--------------------------|-------------------|
| 1: Analysis Start Date                |                    | ---                         | 27-Jul-16           | 27-Jul-16           | 27-Jul-16                     | 26-Jul-16                | 26-Jul-16         |
| 2: Analysis Start Time                |                    | ---                         | 06:47               | 06:47               | 06:47                         | 17:25                    | 17:25             |
| 3: Analysis Approval Date             |                    | ---                         | 29-Jul-16           | 29-Jul-16           | 29-Jul-16                     | 27-Jul-16                | 27-Jul-16         |
| 4: Analysis Approval Time             |                    | ---                         | 10:31               | 10:31               | 10:31                         | 16:08                    | 16:08             |
| 5: MAC                                |                    | ---                         | 1                   | 10                  | 10                            | 0                        | 0                 |
| 6: MDL                                |                    | ---                         | 0.003               | 0.006               | 0.006                         | ---                      | ---               |
| 7: NR Brighton Road Bridge            | 26-Jul-16 10:30    | 21.0                        | <0.003              | 0.226               | 0.226                         | 0                        | 0                 |
| 8: NR Carrying Place Bridge           | 26-Jul-16 10:55    | 21.0                        | 0.016               | 0.339               | 0.355                         | 0                        | 0                 |
| 9: NR Lock #4 - Battawa               | 26-Jul-16 11:25    | 21.0                        | <0.003              | 0.059               | 0.059                         | 0                        | 0                 |
| 10: NR Lock #7 - Glen Ross            | 26-Jul-16 12:40    | 21.0                        | <0.003              | 0.085               | 0.085                         | 0                        | 0                 |
| 11: NR Lock #8 - Percy Reach          | 26-Jul-16 10:35    | 21.0                        | <0.003              | <0.006              | <0.006                        | 0                        | 0                 |
| 12: NR Lock #9 - Meyers               | 26-Jul-16 10:10    | 21.0                        | <0.003              | <0.006              | <0.006                        | 0                        | 0                 |
| 13: NR Lock #10 - Hagues Reach        | 26-Jul-16 09:50    | 21.0                        | <0.003              | 0.035               | 0.035                         | 0                        | 0                 |
| 14: NR Lock #14 - Crowe Bay           | 26-Jul-16 11:00    | 21.0                        | <0.003              | 0.017               | 0.017                         | 0                        | 0                 |
| 15: NR Lock #15 - Healy Falls Lower   | 26-Jul-16 11:45    | 21.0                        | <0.003              | <0.006              | <0.006                        | 0                        | 0                 |
| 16: NR Lock #16/7 - Healy Falls Upper | 26-Jul-16 11:30    | 21.0                        | 0.005               | 0.061               | 0.066                         | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

MDL - SGS Method Detection Limit

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical





**SGS Canada Inc.**

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Phone: 705-652-2000 FAX: 705-652-6365

13-July-2016

**Trent-Severn Waterway (Northern Sector)**

Attn : Chuck Wilkinson

**Date Rec. :** 12 July 2016  
**LR Report:** CA14262-JUL16

2023 Kirkfield Road  
Kirkfield, ON  
K0M 2B0,

**Copy:** #1

Phone: 705-438-3153 or 705-887-8390 (cell)  
Fax:705-438-5201

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 12-Jul-16                | 12-Jul-16         |
| 2: Analysis Start Time    |                    | ---                         | 17:05                    | 17:05             |
| 3: Analysis Approval Date |                    | ---                         | 13-Jul-16                | 13-Jul-16         |
| 4: Analysis Approval Time |                    | ---                         | 15:16                    | 15:16             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Washago Shop        | 12-Jul-16 06:15    | 19.0                        | 0                        | 0                 |
| 7: NR Lock 42             | 12-Jul-16 06:25    | 19.0                        | 0                        | 0                 |
| 8: NR Hamlet Bridge 57    | 12-Jul-16 06:40    | 19.0                        | 0                        | 0                 |
| 9: NR Lock 43             | 12-Jul-16 07:35    | 19.0                        | 0                        | 0                 |
| 10: NR Lock 44            | 12-Jul-16 08:10    | 19.0                        | 0                        | 0                 |
| 11: NR Lock 45            | 12-Jul-16 08:40    | 19.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

**Kimberley Didsbury**  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

P.O. Box 4300 - 185 Concession St.  
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16-June-2016

**Trent-Severn Waterway (Northern Sector)**

Attn : Chuck Wilkinson

**Date Rec. :** 14 June 2016  
**LR Report:** CA14315-JUN16

2023 Kirkfield Road  
Kirkfield, ON  
K0M 2B0,

**Copy:** #1

Phone: 705-438-3153 or 705-887-8390 (cell)  
Fax:705-438-5201

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 14-Jun-16                | 14-Jun-16         |
| 2: Analysis Start Time    |                    | ---                         | 14:25                    | 14:25             |
| 3: Analysis Approval Date |                    | ---                         | 16-Jun-16                | 16-Jun-16         |
| 4: Analysis Approval Time |                    | ---                         | 14:17                    | 14:17             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Washago Shop        | 14-Jun-16 06:15    | 14.0                        | 0                        | 0                 |
| 7: NR Lock 42             | 14-Jun-16 06:35    | 14.0                        | 0                        | 0                 |
| 8: NR Hamlet Bridge 57    | 14-Jun-16 06:55    | 14.0                        | 0                        | 0                 |
| 9: NR Lock 43             | 14-Jun-16 08:05    | 14.0                        | 0                        | 0                 |
| 10: NR Lock 44            | 14-Jun-16 08:30    | 14.0                        | 0                        | 0                 |
| 11: NR Lock 45            | 14-Jun-16 09:00    | 14.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

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Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

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26-September-2016

**Trent-Severn Waterway (Northern Sector)**

Attn : Chuck Wilkinson

**Date Rec. :** 22 September 2016  
**LR Report:** CA14507-SEP16

2023 Kirkfield Road  
Kirkfield, ON  
K0M 2B0,

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Phone: 705-438-3153 or 705-887-8390 (cell)  
Fax:705-438-5201

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL | Nitrite (as N) mg/L | Nitrate (as N) mg/L | Nitrate + Nitrite (as N) mg/L |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|---------------------|---------------------|-------------------------------|
| 1: Analysis Start Date    |                    | ---                         | 22-Sep-16                | 22-Sep-16         | 23-Sep-16           | 23-Sep-16           | 23-Sep-16                     |
| 2: Analysis Start Time    |                    | ---                         | 14:10                    | 14:10             | 22:10               | 22:10               | 22:10                         |
| 3: Analysis Approval Date |                    | ---                         | 23-Sep-16                | 23-Sep-16         | 26-Sep-16           | 26-Sep-16           | 26-Sep-16                     |
| 4: Analysis Approval Time |                    | ---                         | 13:13                    | 13:13             | 12:31               | 12:31               | 12:31                         |
| 5: MAC                    |                    | ---                         | 0                        | 0                 | < 0.003             | < 0.006             | < 0.006                       |
| 6: NR Lock 43             | 21-Sep-16 15:45    | 7.0                         | 0                        | 0                 | <0.003              | 0.070               | 0.070                         |
| 7: NR Lock 44             | 21-Sep-16 16:25    | 7.0                         | 0                        | 0                 | <0.003              | 0.043               | 0.043                         |
| 8: NR Lock 45             | 21-Sep-16 16:50    | 7.0                         | 0                        | 0                 | <0.003              | 0.042               | 0.042                         |
| 9: NR Hamlet Bridge 57    | 21-Sep-16 17:35    | 7.0                         | 0                        | 0                 | 0.006               | 0.134               | 0.140                         |
| 10: NR Washago Shop       | 21-Sep-16 17:55    | 7.0                         | 0                        | 0                 | 0.014               | 0.036               | 0.050                         |
| 11: NR Lock 42            | 21-Sep-16 18:05    | 7.0                         | 0                        | 0                 | 0.012               | 0.011               | 0.023                         |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
*Kimberley Didsbury*  
Project Specialist  
Environmental Services, Analytical



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25-August-2016

**Trent-Severn Waterway (Northern Sector)**

Attn : Chuck Wilkinson

**Date Rec. :** 23 August 2016  
**LR Report:** CA16912-AUG16

2023 Kirkfield Road  
Kirkfield, ON  
K0M 2B0,

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Phone: 705-438-3153 or 705-887-8390 (cell)  
Fax:705-438-5201

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 23-Aug-16                | 23-Aug-16         |
| 2: Analysis Start Time    |                    | ---                         | 18:05                    | 18:05             |
| 3: Analysis Approval Date |                    | ---                         | 25-Aug-16                | 25-Aug-16         |
| 4: Analysis Approval Time |                    | ---                         | 08:49                    | 08:49             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Lock 45             | 23-Aug-16 08:40    | 19.0                        | 0                        | 0                 |
| 7: NR Lock 44             | 23-Aug-16 08:10    | 19.0                        | 0                        | 0                 |
| 8: NR Lock 43             | 23-Aug-16 07:35    | 19.0                        | 0                        | 0                 |
| 9: NR Bridge 57           | 23-Aug-16 06:40    | 19.0                        | 0                        | 0                 |
| 10: NR Lock 42            | 23-Aug-16 06:20    | 19.0                        | 0                        | 0                 |
| 11: NR Washago Shop       | 23-Aug-16 06:10    | 19.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
**Kimberley Didsbury**  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

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29-July-2016

**Trent-Severn Waterway (Northern Sector)**

Attn : Chuck Wilkinson

**Date Rec. :** 28 July 2016  
**LR Report:** CA17356-JUL16

2023 Kirkfield Road  
Kirkfield, ON  
K0M 2B0,

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Phone: 705-438-3153 or 705-887-8390 (cell)  
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# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 28-Jul-16                | 28-Jul-16         |
| 2: Analysis Start Time    |                    | ---                         | 14:20                    | 14:20             |
| 3: Analysis Approval Date |                    | ---                         | 29-Jul-16                | 29-Jul-16         |
| 4: Analysis Approval Time |                    | ---                         | 12:41                    | 12:41             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Bridge 57           | 28-Jul-16 06:50    | 11.0                        | 0                        | 0                 |
| 7: NR Lock 42             | 28-Jul-16 06:25    | 11.0                        | 0                        | 0                 |
| 8: NR Lock 43             | 28-Jul-16 07:45    | 11.0                        | 0                        | 0                 |
| 9: NR Lock 44             | 28-Jul-16 08:25    | 11.0                        | 0                        | 0                 |
| 10: NR Lock 45            | 28-Jul-16 08:55    | 11.0                        | 0                        | 0                 |
| 11: NR Washago Shop       | 28-Jul-16 06:10    | 11.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

Kimberley Didsbury  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

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Lakefield - Ontario - K0L 2H0  
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30-June-2016

**Trent-Severn Waterway (Northern Sector)**

Attn : Chuck Wilkinson

**Date Rec. :** 28 June 2016  
**LR Report:** CA18531-JUN16

2023 Kirkfield Road  
Kirkfield, ON  
K0M 2B0,

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Phone: 705-438-3153 or 705-887-8390 (cell)  
Fax:705-438-5201

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 28-Jun-16                | 28-Jun-16         |
| 2: Analysis Start Time    |                    | ---                         | 16:30                    | 16:30             |
| 3: Analysis Approval Date |                    | ---                         | 30-Jun-16                | 30-Jun-16         |
| 4: Analysis Approval Time |                    | ---                         | 12:54                    | 12:54             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Washago Shop        | 28-Jun-16 06:05    | 16.0                        | 0                        | 0                 |
| 7: NR Lock 42             | 28-Jun-16 06:20    | 16.0                        | 0                        | 0                 |
| 8: NR Bridge 57 Hamlet    | 28-Jun-16 06:35    | 16.0                        | 0                        | 0                 |
| 9: NR Lock 43             | 28-Jun-16 07:35    | 16.0                        | 0                        | 0                 |
| 10: NR Lock 44            | 28-Jun-16 08:10    | 16.0                        | 0                        | 0                 |
| 11: NR Lock 45            | 28-Jun-16 08:45    | 16.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

NR - Not reportable under applicable Provincial drinking water regulations as per client.

\_\_\_\_\_  
**Kimberley Didsbury**  
Project Specialist  
Environmental Services, Analytical



**SGS Canada Inc.**

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20-May-2016

**Trent-Severn Waterway (Northern Sector)**

Attn : Chuck Wilkinson

**Date Rec. :** 18 May 2016  
**LR Report:** CA18820-MAY16

2023 Kirkfield Road  
Kirkfield, ON  
K0M 2B0,

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Fax:705-438-5201

# CERTIFICATE OF ANALYSIS

## Final Report

| Sample ID                 | Sample Date & Time | Temperature Upon Receipt °C | Total Coliform cfu/100mL | E. Coli cfu/100mL |
|---------------------------|--------------------|-----------------------------|--------------------------|-------------------|
| 1: Analysis Start Date    |                    | ---                         | 18-May-16                | 18-May-16         |
| 2: Analysis Start Time    |                    | ---                         | 15:55                    | 15:55             |
| 3: Analysis Approval Date |                    | ---                         | 20-May-16                | 20-May-16         |
| 4: Analysis Approval Time |                    | ---                         | 09:16                    | 09:16             |
| 5: MAC                    |                    | ---                         | 0                        | 0                 |
| 6: NR Washago Shop        | 18-May-16 06:05    | 18.0                        | 0                        | 0                 |
| 7: NR Lock 42             | 18-May-16 06:20    | 18.0                        | 0                        | 0                 |
| 8: NR Lock 43             | 18-May-16 08:10    | 18.0                        | 0                        | 0                 |
| 9: NR Lock 44             | 18-May-16 09:20    | 18.0                        | 0                        | 0                 |
| 10: NR Lock 45            | 18-May-16 09:35    | 18.0                        | 0                        | 0                 |

MAC - Maximum Acceptable Concentration

Carrie Greenlaw  
Project Specialist  
Environmental Services, Analytical