



RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Public Works and Government Services Canada
1650, 635 - 8 Ave SW
Calgary
Alberta
T2P 3M3
Bid Fax: (403) 292-5786

SOLICITATION AMENDMENT MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address
Raison sociale et adresse du
fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution
Public Works and Government Services Canada
Northern Contaminated Site Program
ATB Place North Tower
10025 Jasper Avenue
Edmonton
Alberta
T5J 1S6

| | |
|---|---|
| Title - Sujet Lead Dust Remediation | |
| Solicitation No. - N° de l'invitation ET022-161920/A | Amendment No. - N° modif. 001 |
| Client Reference No. - N° de référence du client RCMP ET022-161920 | Date 2016-01-15 |
| GETS Reference No. - N° de référence de SEAG PW-\$NCS-129-10660 | |
| File No. - N° de dossier NCS-5-38290 (129) | CCC No./N° CCC - FMS No./N° VME |
| Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-01-21 | Time Zone Fuseau horaire Mountain Standard Time MST |
| F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/> | |
| Address Enquiries to: - Adresser toutes questions à: Izzotti, Diana | Buyer Id - Id de l'acheteur ncs129 |
| Telephone No. - N° de téléphone (403) 680-6109 () | FAX No. - N° de FAX (403) 292-5786 |
| Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: | |

Instructions: See Herein

Instructions: Voir aux présentes

| | |
|---|--|
| Delivery Required - Livraison exigée | Delivery Offered - Livraison proposée |
| Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur | |
| Telephone No. - N° de téléphone Facsimile No. - N° de télécopieur | |
| Name and title of person authorized to sign on behalf of Vendor/Firm (type or print) Nom et titre de la personne autorisée à signer au nom du fournisseur/de l'entrepreneur (taper ou écrire en caractères d'imprimerie) | |
| Signature | Date |

This Amendment No. 2 to Solicitation #ET022-161920/A is raised to provide the questions and answers identified at the mandatory site visit held January 5, 2016:

Room 146 – Identification Garage

- a) The onsite contractor referred to the scope of work and indicated that all horizontal surfaces are to be cleaned.
- b) The RCMP will remove anything they do not want touched
- c) A top down approach for cleaning is to be used
- d) The floor is to be resealed (refer to specs for details)

Question 1

Are the ducts to be cleaned?

Answer 1

The drawings in the specs (Fig 3) indicate what is to be done in this room.

Question 2

Are the cabinets to be cleaned?

Answer 2

All the tops of the cabinets and loose material in the room is to be cleaned

Question 3

Can we take pictures (in this room)?

Answer 3

No

Room 147

One vent to be cleaned

Room 164 area (offices 165 & 166)

Diffusers to be cleaned

Room 161 – LAB Area

- a) Spoke about the hoods and where they vent out
- b) Ceiling tiles can be removed for cleaning
- c) This is a discharge hepafilter area - exhaust with hoods
- d) There is no salvage, part of the disposal component

Rooms 158, 157, 152, 153, 150, 149

- a) Horizontal surfaces are to be cleaned

This Amendment No. 2 to Solicitation #ET022-161920/A is raised to provide the questions and answers identified at the mandatory site visit held January 5, 2016:

b) Loose items to be cleaned and set aside (RCMP will dispose of items/clear items)

Question 4

Will the tools and solvents be gone?

Answer 4

To be wiped down, boxed and covered with poly

Question 5

Is there central vac?

Answer 5

The central Vac connections are to be cleaned out

Room 150

Ceiling doesn't have to be cleaned, just anything below

Room 149

- a) Cabinets do not need to be wiped down
- b) Lead can go for recycling (solid pieces)
- c) See specs for Misc. room content (in drawings)

Range

To be cleaned:

- a) Remove fabric panels
- b) Floors
- c) Stairs
- d) Trap at end
- e) Wood panels (remove to clean)
- f) Water sump to be cleaned (under concrete)
- g) The air circulation is independent of the rest of the building in the range (clean vents)

A plan is to be submitted on how to set up / clean (refer to specs)

Question 6

Can the Risk Assessment report be distributed (EGE Report, Hazmat testing rationale)?

Answer 6

Please see the attached Risk Assessment Report

This Amendment No. 2 to Solicitation #ET022-161920/A is raised to provide the questions and answers identified at the mandatory site visit held January 5, 2016:

The contractor is responsible for all waste disposal

Room 163 – (could not get access)

- a) Wood, carpeting, shelving and gun racks
- b) Vents to be cleaned
- c) 2 drywall walls and 3 blocks
- d) Furniture and hand tools will be removed

Basement – HVAC System

(Toured room and viewed 001 Crawl Space)

- a) Duct work from range (interior of duct to be cleaned)
 - b) The 5 vacuum canisters to be removed from the vacuum system (dispose of canisters)
 - c) Air handling unit showed
 - d) Clean exterior of ducts in certain area
 - e) Clean back end of all exhaust
 - f) Showed gun range exhaust fan
-

Question 7

Can we cut access panels to get in ducts?

Answer 7

Yes if you repair them afterwards

Question 8

Can we take pictures (in this room)?

Answer 8

Yes

Question 9

Where is the air to vent out in the basement? (Concern about backflow).

Answer 9

Vent into exhaust end (goes to concrete chamber). HEPA filtered air generated by work activities within the basement area can be vented into the existing exhaust ducting or alternatively through the basement relief vent located on the southeast wall of the crawlspace. The exhaust duct located within the crawlspace area shall also be capped following abatement activities to prevent air flow from the building main exhaust systems from entering the crawlspace.

This Amendment No. 2 to Solicitation #ET022-161920/A is raised to provide the questions and answers identified at the mandatory site visit held January 5, 2016:

Question 10

Is on site testing ok?

Answer 10

All is to be vented outside. All HEPA filtered air generated by work activities in the West Block area is to be exhausted to exterior of the building through existing direct venting (fume hoods). There shall be no venting of HEPA filtered air back into the work area(s).

Question 11

Did you sample T-Bar Track, panels?

Answer 11

No

Question 12

Supplementary Conditions SC02 Insurance Terms: - Is it the intent of the contract for the successful general contractor to have lead abatement insurance? Lead abatement contractors carry general liability insurance with lead abatement included in their policies. Typical endorsement is for pollution and general liability. Why is this not detailed in the insurance requirements of this project? Does PWGSC not wish to have hazardous material insurance coverage for this project?

Answer 12

Please see attached amendment to the solicitation document – (Certificate of Insurance detailing G2040C - Environmental Impairment Liability Insurance)

Question 13.

Under Section 01 11 00 Summary of Work 1.1.2 list the EGE Engineering Ltd.'s report titled " Pre-Abatement Lead Assessment – Where can we obtain a copy of the report that is being referenced?

Answer 13

The spec package has drawings and figures that apply to the work required. Please see the additional tables for details regarding the sampling data for each room.

The entire report will not be released, however, the applicable information including the Risk Assessment and tables of the sampling completed are attached.

Question 14

Under Section 01 11 00 Summary of Work 1.1.3 Scope of Work – details experienced Lead Remediation Contractor – What criteria is being used to evaluate this condition? How will this be used to evaluate the bidders?

Answer 14

This will be assessed by demonstrating that the Contractor has or does not have recent experience in the last two years completing hazardous material remediation and Lead Abatement associated training. See Table attached.

This Amendment No. 2 to Solicitation #ET022-161920/A is raised to provide the questions and answers identified at the mandatory site visit held January 5, 2016:

Question 15

Under 'Section 01 11 00 3.2 Lead Abatement .1 – air handling system(s)'

Who is responsible to shut down the mechanical supply and return air systems to the various work areas?

Answer 15

RCMP will isolate the mechanical and electrical systems associated with the unit in advance of the work being completed. Isolation activities to be coordinated with RCMP personnel.

Question 16

Under Section 01 11 00 3.2 Lead Abatement - ...regarding "electrical isolation" only – Who is going to isolate the electrical systems in the area required to be cleaning and / or demolished?

Answer 16

Where possible, RCMP will isolate the mechanical and electrical systems associated with the area(s) in advance of the work being completed. Isolation activities to be coordinated with RCMP personnel.

Question 17

Under Section 01 11 00 Section 3.5 Waste Storage, Transport and Disposal – For pricing purposes we need analytical data on the surfaces to be cleaned for both disposal and to help us define the level of effort to clean the residual lead grime from the surfaces to be cleaned. Further the concentration of lead if any in the materials being cleaned will be necessary to help define the probable success of cleaning the contaminated surfaces along with the likelihood encapsulation of materials. Where can we find this lead data on the level of contamination and lead content in materials to be cleaned?

Answer 17

Please see the attached data tables for sample data.

Question 18

On porous surfaces – concrete, plywood, carpet, mechanical insulated ducting etc. The cleaning process may not be successful after completing the defined level of effort detailed in Section 01 11 00 - 3.2 Lead Abatement section 10. This section and clause seems to anticipate this event and thus defines that the exposed concrete floors are to be sealed using a concrete sealant which is also defined under the scope of work section 01 11 00 clause 1.1.1 within the various room work descriptions. What type of concrete sealant should we consider applying? Please consider that the type of sealants vary greatly in durability, cost and application preparations and methods.

Answer 18

An example of concrete sealant is provided in the specifications – Section 2.1.1. The type of sealant intended to be used by the successful Contractor must be identified in their proposal.

Question 19

RE: 'Section 01 11 00 Scope of Work clause 1.1.1' - Why were the porous plywood floors not listed for sealing in Room 149 scope of work? How should this be valued if it is found they are not cleanable?

This Amendment No. 2 to Solicitation #ET022-161920/A is raised to provide the questions and answers identified at the mandatory site visit held January 5, 2016:

Answer 19

The wood floors are to be cleaned and sealed in this room. The filing cabinets will remain in place.

Question 20

The Concrete floors in Room 152 are not listed to be sealed. Why?

Answer 20

The Room 152 floors are to be sealed also. This room is listed on Figure 3 to be sealed in the general comments.

Question 21

Room 163 was not available to view during the site meeting. It is being cleaned from the top down, however; no direction has been given regarding the floor surface. What is to be done with the floor surface since it is a horizontal surface listed to be cleaned? What type of floor surface is in the room?

Answer 21

The floor surface is carpet. The floor does not need to be cleaned. All other horizontal surfaces to be cleaned. The floor surface will need to be protected while cleaning is completed.

Question 22 Some rooms listed do not define the floor surfaces as being contaminated yet list surfaces above as being lead contaminated (example rooms 154-157 plus others).

Are contractors to assume:

- a) these floor surfaces are clean
- b) these surfaces should be protected from contamination prior to work commencing in the area
- c) there are existing surface samples confirming this conclusion

Answer 22

- a) Yes, floor surfaces are clean.
 - b) Yes, all clean surfaces must be protected.
 - c) Yes, tables of sample data is attached.
-

Question 23

Section 01 11 00 Contractor Use of Premises 1.9.3 – this clause lists rooms to remain operational on a DAILY basis during remediation activities. With the work being performed under personnel protective equipment, negative air systems, along with room 146 being our primary access point – How will these rooms remain operational during their cleaning and surface sealing work activities? What is the clients proposed schedule for this work to occur?

Answer 23

Cleaning Rooms 146 and 148 will require coordination with RCMP personnel. Rooms 146 and 148 are to remain operational. A separate hard surface access enclosure will be required in Room 146.

This Amendment No. 2 to Solicitation #ET022-161920/A is raised to provide the questions and answers identified at the mandatory site visit held January 5, 2016:

Question 24

Section 01 11 00 1.20 Surface Clearance Sampling section .3 details re-cleaning of failed surfaces and then the potential sealing and / or the replacement of these materials. How should this be priced? Please consider that some surfaces observed on site will not be cleanable to the Surface Clearance Sampling criteria defined in the specifications.

Answer 24

We may have some materials that are "not cleanable", such as mechanical insulation within the ducting leading to/from the range. In such cases, a change in scope would be required, but only after 2x washing and testing still demonstrates it cannot be cleaned to acceptable levels. No materials require replacement.

This Amendment is also raised to amend the Solicitation as follows:

A)

On the front page of the ITT under:

1) **RETURN BIDS TO:**

DELETE: Bid Fax: (403) 680-6109

INSERT: Bid Fax: (403) 292-5786

2) **Closing Date :**

DELETE: at - à 02:00 PM on - le 2016-01-19

INSERT: at - à 02:00 PM on - le 2016-01-21

B) On Page 10: **BID AND ACCEPTANCE FORM**

DELETE

BA06 CONSTRUCTION TIME

The Contractor shall perform and complete the Work within two (2) weeks from the date of notification of acceptance of the offer. The work on site shall commence on February 22nd 2016.

INSERT

BA06 CONSTRUCTION TIME

The Contractor shall perform and complete the Work within three (3) weeks from the date of notification of acceptance of the offer. The work on site shall commence on February 22nd 2016.

C)

As per Section SI02 - BID DOCUMENTS, clause 1, item g: Any amendment issued prior to solicitation closing:

INSERT:

Bidders **must** have experience and qualified staff onsite, and shall complete the following declarations prior to award:

1) As per point 1.1.3 of the Scope of Work: *The work is to be completed by an experienced Lead Remediation Contractor.* Do you have experience in the last two years completing hazardous Material remediation?

Yes: _____

Do you have staff trained in the remediation of hazardous materials; including lead, that will be available to complete the work onsite?

Yes: _____

INSERT: ANNEX A - CERTIFICATE OF INSURANCE (attached)

 Travaux publics et
Services gouvernementaux
Canada

| | |
|---|------------------------------|
| Description and Location of Work | Contract No. ET022-161920 |
| Lead Dust Remediation, RCMP Former Shooting Range. Regina, Saskatchewan | Project No. |

| | | | | |
|--|-----------------------|------|----------|--------|
| Name of Insurer, Broker or Agent Code | Address (No., Street) | City | Province | Postal |
| Name of Insured (Contractor) Code | Address (No., Street) | City | Province | Postal |
| Additional Insured Her Majesty the Queen in Right of Canada as represented by the Minister of Public Works and Government Services | | | | |

| Type of Insurance | Insurer Name and Policy Number | Inception Date D / M / Y | Expiry Date D / M / Y | Limits of Liability | | |
|---|-----------------------------------|--------------------------------|--------------------------|--|--------------------------|--------------------------------|
| Commercial General Liability | | | | Per Occurrence | Annual General Aggregate | Completed Operations Aggregate |
| Umbrella/Excess Liability | | | | \$ | \$ | \$ |
| | | | | \$ | \$ | \$ |
| Environmental Impairment Liability | | | | \$ <input type="checkbox"/> Per Incident <input type="checkbox"/> Per Occurrence | | Aggregate \$ |

This Amendment No. 2 to Solicitation #ET022-161920/A is raised to provide the questions and answers identified at the mandatory site visit held January 5, 2016:

| | | | | | |
|---------------------------------------|--|--|--|--|-----------------|
| "Contractors Pollution Liability" | | | | | |
| "Contractors Professional Liability" | | | | | |
| Automobile Liability Insurance (\$1M) | | | | \$ <input type="checkbox"/> Per Incident <input type="checkbox"/> Per Occurrence | Aggregate \$ |

I certify that the above policies were issued by insurers in the course of their Insurance business in Canada, are currently in force and include the applicable insurance coverage's stated on page 2 of this Certificate of Insurance, including advance notice of cancellation / reduction in coverage.

Name of person authorized to sign on behalf of Insurer(s) (Officer, Agent, Broker)
Telephone number

Signature
Date D / M / Y

CERTIFICATE OF INSURANCE Page 2 of 2

General

The insurance policies required on page 1 of the Certificate of Insurance must be in force and must include the insurance coverage listed under the corresponding type of insurance on this page.

The policies must insure the Contractor and must include Her Majesty the Queen in Right of Canada as represented by the Minister of Public Works and Government Services as an additional Insured.

The insurance policies must be endorsed to provide Canada with not less than thirty (30) days notice in writing in advance of a cancellation of insurance or any reduction in coverage.

Without increasing the limit of liability, the policies must protect all insured parties to the full extent of coverage provided. Further, the policies must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.

Commercial General Liability

The insurance coverage provided must not be substantially less than that provided by the latest edition of IBC Form 2100.

The policy must either include or be endorsed to include coverage for the following exposures or hazards if the Work is subject thereto:

- (a) Blasting.
- (b) Pile driving and caisson work.
- (c) Underpinning.
- (d) Removal or weakening of support of any structure or land whether such support be natural or otherwise if the work is performed by the insured contractor.

This Amendment No. 2 to Solicitation #ET022-161920/A is raised to provide the questions and answers identified at the mandatory site visit held January 5, 2016:

The policy must have the following minimum limits:

- (a) **\$5,000,000** Each Occurrence Limit;
- (b) **\$10,000,000** General Aggregate Limit per policy year if the policy contains a General Aggregate; and
- (c) **\$5,000,000** Products/Completed Operations Aggregate Limit.

Umbrella or excess liability insurance may be used to achieve the required limits.

Environmental Impairment Liability

- 1- The Contractor must obtain "Contractor Pollution Liability" and "Contractors Professional Liability" insurance, and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature, but for not less than \$1,000,000.00 per accident or occurrence and in the annual aggregate.
- 2- If the policy is written on a claims-made basis, coverage must be in place for a period of at least 12 months after the completion or termination of the Contract.
- 3- The "Contractor Pollution Liability" and "Contractors Professional Liability" policy must include the following:
 - a- Additional Insured: Canada is added as an additional insured, but only with respect to liability arising out of the Contractor's performance of the Contract. The interest of Canada as additional insured should read as follows: Canada, represented by Public Works and Government Services Canada.
 - b- Notice of Cancellation: The Insurer will endeavour to provide the Contracting Authority thirty (30) days written notice of policy cancellation.
 - c- Separation of Insureds: The policy must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.
 - d- Contractual Liability: The policy must, on a blanket basis or by specific reference to the Contract, extend to assumed liabilities with respect to contractual provisions.
 - e- Incidental Transit Extension: The policy must extend to losses arising from any waste, products or materials transported, shipped, or delivered via any transportation mode to a location beyond the boundaries of a site at which the Contractor or any entity for which the Contractor is legally liable is performing or has performed the operations described in the contract.
 - f- Asbestos, Lead and Mould Abatement: The policy must extend coverage to activities related to the removal and disposal of asbestos-containing materials, of lead and lead containing materials, of mould and mould containing materials, and of minor amounts of miscellaneous other hazardous materials.
 - g- Storage Tank Third-Party Liability - The policy must extend to off-site third party bodily injury and property damage due to releases from storage tanks (above and below ground). Coverage must include corrective action and clean-up due to releases from storage tanks.
 - h- Litigation Rights: Pursuant to subsection 5(d) of the Department of Justice Act, S.C. 1993, c. J-2, s.1, if a suit is instituted for or against Canada which the Insurer would, but for this clause, have the right to pursue or defend on behalf of Canada as an Additional Named Insured under the insurance policy, the Insurer must promptly contact the Attorney General of Canada to agree on the legal strategies by sending a letter, by registered mail or by courier, with an acknowledgement of receipt.

For the province of Quebec, send to:

Director Business Law Directorate,
Quebec Regional Office (Ottawa),
Department of Justice,
284 Wellington Street, Room SAT-6042,
Ottawa, Ontario, K1A 0H8

For other provinces and territories, send to:

Senior General Counsel,
Civil Litigation Section,
Department of Justice
234 Wellington Street, East Tower
Ottawa, Ontario K1A 0H8

This Amendment No. 2 to Solicitation #ET022-161920/A is raised to provide the questions and answers identified at the mandatory site visit held January 5, 2016:

Automobile Liability Insurance

1. The Contractor must obtain Automobile Liability Insurance, and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature, but for not less than \$2,000,000 per accident or occurrence.
2. The policy must include the following:
 - a. Third Party Liability - \$2,000,000 Minimum Limit per Accident or Occurrence
 - b. Accident Benefits - all jurisdictional statutes
 - c. Uninsured Motorist Protection
 - d. Notice of Cancellation: The Insurer will endeavor to provide the Contracting Authority thirty (30) days written notice of cancellation.



[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

**RE: Development of Screening Guidelines for Lead in Dust – RCMP
Lab Building, 6101 Dewdney Avenue, Regina, SK**

INTRODUCTION

In response to your request, [REDACTED] has developed screening guidelines for lead in dust for the RCMP Lab Building in Regina, Saskatchewan. The purpose of these guidelines is to provide a scientific basis for the management and remediation of lead dust arising from historical operations in the building.

BACKGROUND

The RCMP Lab Building historically included a single-lane indoor firing range used for ballistic testing. These activities resulted in lead dust within the building. [REDACTED] collected 123 surface wipe samples in August 2015 and 298 surface wipe samples in September 2015 for lead analysis. Several samples had concentrations exceeding 100 µg/ft², established as a decontamination target for floors, walls and ceilings by the Department of National Defence (DND, 2003).

The objective of this report is to establish risk-based screening guidelines for lead dust on exposed surfaces within the building using methods consistent with risk assessment guidance published by Health Canada.

Based on the locations where [REDACTED] identified lead dust, 3 potential exposure scenarios were identified:

1. Settled dust on surfaces that staff may contact on a daily basis (floors, walls, other horizontal surfaces);
2. Settled dust on surfaces that maintenance personnel may be periodically exposed to (above suspended ceilings, exposed ducting, HVAC system external components);
3. Settled dust on surfaces internal to the HVAC system where exposure would not normally occur.

METHODOLOGY

The settled dust guidelines were calculated using methodologies consistent with published Health Canada risk assessment guidance (Health Canada, 2010, updated 2012) as well as guidance on indoor settled dust currently in development. Dust exposure estimates are based on the assumption that exposure is primarily a result of settled dust adhering to skin and being ingested during hand to mouth contact events. Exposure by lead passing directly through the skin is assumed to be negligible since the lead is bound to particles and has low ability to cross the skin even when disassociated from particles. Dust ingestion exposure is estimated using a mechanistic model developed by Wilson et al. (2013). This model estimates exposure on a mass per day (mg/d) basis, which is appropriate when dust concentrations are available on a mass basis (e.g. mg/kg). A recent follow-up study (Wilson et al., in press) expanded the model to estimate dust exposure on a surface area basis (m²/day) for use with dust concentrations measured on an area basis (e.g. µg/m² or µg/ft²). For lead dust, measurement on an area basis has been found to be a better predictor of blood lead concentrations for dust from hard surfaces, while measurement on a mass basis is a better predictor for soft surfaces (Yiin et al., 2000). The details of the calculations are provided in Appendix A.

Airborne dust was also considered using inhalation exposure calculations consistent with Health Canada (2010, updated 2012) guidance; equations are provided in Appendix A.

The toxicity of lead was evaluated using a tolerable daily intake (TDI) to represent the maximum acceptable oral exposure, and a tolerable concentration (TC) to represent the maximum acceptable inhalation exposure. The toxicity assessment for lead is summarized in Appendix B.

To allow for background exposure to lead, the target hazard quotient was set at 0.2 (i.e. 20% of the total allowable exposure could come from lead dust in the building, while the remaining 80% is allocated to background exposure).

Based on the building use, it was assumed that only adults would be exposed on a regular basis.

Model input parameters are summarized in Table 1 below.

| Table 1 Model Inputs | | | | |
|--|--|--|--|--|
| Parameter | Daily Contact Hard Surfaces | Daily Contact Soft Surfaces | Periodic Exposure Hard Surfaces | Periodic Exposure Soft Surfaces |
| Surface area of hand (m ²) ^a | 0.0445 | 0.0445 | 0.0445 | 0.0445 |
| Fraction of surface area that is partial front fingers ^a | 0.05 | 0.05 | 0.05 | 0.05 |
| Frequency of hand to mouth events (events/h) ^a | 1 | 1 | 1 | 1 |
| Saliva extraction factor ^a | 0.5 | 0.5 | 0.5 | 0.5 |
| Fraction transferred to hands ^a | 0.4 | | 0.4 | |
| Tolerable daily intake (mg/kg-bw/d) ^b | 0.0005 | 0.0005 | 0.0005 | 0.0005 |
| Tolerable Concentration (mg/m ³) ^b | 0.00015 | 0.00015 | 0.00015 | 0.00015 |
| Body weight (kg) ^c | 70.7 | 70.7 | 70.7 | 70.7 |
| Relative absorption factor (gastrointestinal) ^c | 1 | 1 | 1 | 1 |
| Exposure time (h/d) | 10 ^c | 10 ^c | 2 ^d | 2 ^d |
| Days/week at site ^c | 5 | 5 | 5 | 5 |
| Weeks/year at site ^c | 48 | 48 | 48 | 48 |

a – based on Wilson et al., in press

b – see Appendix B

c – default value for occupationally exposed adult (Health Canada 2010, updated 2012)

d - assumed

RESULTS

Calculated lead guidelines are summarized in Table 2 below.

| Table 2 Lead Guidelines | | | | |
|------------------------------------|--------------------------------|--------------------------------|---------------------------------------|---------------------------------------|
| Parameter | Daily Contact Hard Surfaces | Daily Contact Soft Surfaces | Periodic Exposure Hard Surfaces | Periodic Exposure Soft Surfaces |
| Settled Dust (mg/m ²) | 2.4 | 12 | 12 | 60 |
| Settled Dust (µg/ft ²) | 220 | 1100 | 1100 | 5600 |
| Indoor Air (µg/m ³) | 0.11 | | | |

CLOSURE

This report has been prepared for the Public Works and Government Services Canada on behalf of the Royal Canadian Mounted Police and [REDACTED], and pertains solely to lead dust measured in the RCMP Lab Building in Regina, Saskatchewan. The risk assessment was based on site data collected by others, and was limited to a study of those contaminants specifically addressed in these reports. Data presented in the reports completed by others are assumed to be accurate, but have not been independently verified by [REDACTED].

Human health risk assessments involve a number of uncertainties and limitations. As a consequence, the use of the results presented herein to develop site management strategies may either be overly protective or may not necessarily provide complete protection to human receptors or prevent damage of property in all circumstances. The results of the risk assessment as presented herein were determined in accordance with generally accepted protocols and the reported site conditions. Given the assumptions used herein, the risk assessment provides a conservative estimate of the risks involved. The services performed in the preparation of this report were conducted in a manner consistent with the level of skill and care ordinarily exercised by professional engineers and scientists practising under similar conditions.

Appendix A – Equations

The dust ingestion rate is calculated as per Wilson et al. (in press):

$$DIG = SA_{Hand} \times FSA_{Fingers} \times FQ \times SE \times ET \times FTSS \quad (Equation 1)$$

Where:

DIG = dust ingestion rate (m²/d)

SA_{Hand} = surface area of one hand (m²)

FSA_{Fingers} = fraction of surface area of hands that are partial front fingers (dimensionless)

FQ = frequency of hand-to-mouth events (events/h)

SE = saliva extraction factor (dimensionless)

ET = exposure time in contact with indoor surfaces (h/d)

FTSS = fraction transferred from indoor surfaces to hands

The site-specific management objective (i.e. dust guideline) can then be calculated as:

$$SSMO = [(TDI \times THQ \times BW \times RAF_{GIT} \times DAF) / (DIG_{Total} \times ET)] \quad (Equation 2)$$

Where:

SSMO = site-specific management objective (mg/m²)

TDI = tolerable daily intake (mg/kg-bw/d)

THQ = target hazard quotient (dimensionless)

BW = body weight (kg)

RAF_{GIT} = relative absorption factor for the gastrointestinal tract

DAF = dust allocation factor (dimensionless)

DIG_{Total} = dust ingestion rate (m²/d)

ET = exposure term (days/week x weeks/year)

Allowable indoor airborne dust concentrations are calculated as:

$$AIG = TC \times DAF / ET \quad (Equation 3)$$

Where:

AIG = air inhalation guideline (mg/m³)

TC = tolerable concentration (mg/m³)

DAF = dust allocation factor

ET = exposure term (hours/day x days/week x weeks/year)

APPENDIX B – TOXICITY ASSESSMENT

LEAD

1.1 Inhalation Exposure Limits

1.1.1 Acute Inhalation

| Table B.22-1 Acute Inhalation Exposure Limits for Lead | | | | | | |
|--|-------------------------|---------------------------------|-------|-------|------|-----|
| AGENCY | ESRD | OMOE | ATSDR | OEHHA | TCEQ | WHO |
| Exposure Limit Type | AAQO | 24 hr standard 30 d standard | - | - | - | - |
| Exposure Limit Value (µg/m³) | 1.5 | 0.5 0.2 | - | - | - | - |
| Critical Organ or Effect | - | Neurological | - | - | - | - |
| Species | - | Human Children | - | - | - | - |
| Study | - | Cal EPA 2001 | - | - | - | - |
| Source | Alberta Government 2013 | OMOE 2007 | - | - | - | - |

- not available

Bold – Exposure Limit selected for HHRA.

The OMOE (2007) has a 30-day standard of 0.2 µg/m³ for lead and lead compounds based on neurological effects in children. The 30-day standard was derived using a model developed by the California Environmental Protection Agency (Cal EPA) to determine the air lead concentration associated with a 5% probability of children in a reference population exceeding a blood lead level of concern of 10 µg/dL. This LOC is considered to be out of date with respect to the state of science surrounding blood lead concentrations and potential adverse effects. The OMOE 24 hour value is derived from the 30-day standard.

The Alberta Government (2013) provides an AAQO of 1.5 µg/m³ for a 1-hour averaging period, which was adopted from the Texas Natural Resource Conservation Commission, but no specific basis is provided.

Due to the lack of defensible acute inhalation exposure limits, lead was not assessed on an acute basis.

1.1.2 Chronic Inhalation

| Table B.22-2 Chronic Inhalation Exposure Limits for Lead | | | | | | | | |
|--|------|-------|--------------------------|------------|------|------|--------------------|----------|
| AGENCY | ESRD | ATSDR | Health Canada | OEHHA | RIVM | TCEQ | US EPA | WHO |
| Exposure Limit Type | - | - | TC | RsC | - | - | NAAQS* | AQG |
| Exposure Limit Value (µg/m ³) | - | - | 0.1 | 0.8 | - | - | 0.15 | 0.5 |
| Critical Organ or Effect | - | - | - | Kidneys | - | - | - | - |
| Species | - | - | - | Rats | - | - | - | - |
| Study | - | - | Oral toxicity conversion | Azar 1973 | - | - | - | - |
| Source | - | - | Health Canada (2015) | OEHHA 2009 | - | - | US EPA 2008 | WHO 2000 |

- not available

Bold – Exposure Limit selected for HHRA.

* NAAQS – National Ambient Air Quality Standard.

Lead and inorganic lead compounds are classified as probably carcinogenic to humans (Group 2A) by IARC, as reasonably anticipated to be human carcinogens (Group K) by NTP and as confirmed animal carcinogens with unknown relevance to humans (Group A3) by ACGIH (OSU, 2010). However, the data for establishing an RSD was considered weak (US EPA 2004), and potential neurological effects has been identified as a more sensitive end point than carcinogenicity (Health Canada, pers comm. 2015). For this reason, lead was treated as a non-carcinogen by inhalation for this risk assessment and an RsD was calculated.

The WHO (2000) inhalation guideline of 0.5 µg/m³ is based on the recommendation that the annual average air concentration of lead not exceed 0.5 µg/m³. This guideline was based on the assumption that the upper limit of non-anthropogenic blood lead levels is 30 µg/L. Recent

scientific evidence indicates that this assumption may not be protective against potential neurological effects (Health Canada 2013).

The OEHHA (2009) has derived an inhalation unit risk estimate of $1.2 \times 10^{-5} (\mu\text{g}/\text{m}^3)^{-1}$ (equivalent to an RsC of about $0.8 \mu\text{g}/\text{m}^3$). This cancer-based value was derived from an oral rat study, where male and female rats were administered lead acetate in the diet for a duration of 2 years (Azar *et al.*, 1973). Significant incidences of kidney tumours were observed in the animals. A linearized multistage model was used to fit the male tumour incidence data, and human equivalent doses were calculated. This value was not selected as it was not considered to be protective against potential neurological effects (Health Canada 2013).

The US EPA has not reported an RsC due to insufficient data (US EPA, 2004). An estimate of carcinogenic risk was not derived by the US EPA from the oral exposure studies by Azar *et al.* (1973).

Based on the *Clean Air Act*, which indicates a primary standard is to be set at the maximum permissible ambient air level which will protect the health of any [sensitive] group of the population, the US EPA revised the primary national ambient air quality standards (NAAQS) for lead to $0.15 \mu\text{g}/\text{m}^3$ (US EPA, 2008). This limit is set to be protective of air emission and multi-exposure pathways. The NAAQS was set to provide increased protection for children and other at-risk populations against an array of adverse effects in children, including neurocognitive and neurobehavioral effects. The averaging time for the primary NAAQS was revised to a rolling 3-month period with a maximum (not-to-be-exceeded) form, evaluated over a 3-year period. The NAAQS was derived from a blood lead level of $10 \mu\text{g}/\text{dL}$ ($100 \mu\text{g}/\text{L}$) in consideration of studies assessing potential adverse health effects in association with measured blood lead concentrations. The US EPA primary standard was intended to include an adequate margin of safety to address uncertainties associated with inconclusive scientific and technical information available at the time of standard setting. It was also intended to provide a reasonable degree of protection against hazards that research has not yet identified. As this limit is currently the lowest limit defined for inhalation of lead and data indicating blood lead concentrations are most sensitive to oral exposure rather than inhalation of air (OEHHA 2007), the US EPA NAAQS was selected for the current assessment.

A chronic inhalation TC of $0.1 \mu\text{g}/\text{m}^3$ was calculated from the oral exposure limit of $0.0005 \text{ mg}/\text{kg bw}/\text{day}$ recommended by Health Canada (pers. comm. 2015). Discussion of the basis for the oral exposure limit is provided below. The calculated TC is slightly lower than the US EPA NAAQS; however, it was not selected for the current assessment, as it is an estimation of an inhalation TRV from oral exposure data. The US EPA NAAQS is derived from inhalation exposure data.

The calculation of the chronic inhalation exposure for the toddler age group (generally the most sensitive life stages) is as follows:

$$TC = \frac{\text{oral exposure limit}}{IR} \times BW$$

TC = Tolerable concentration ($\mu\text{g}/\text{m}^3$)
 IR = Inhalation rate (m^3/d)
 BW = Body weight (kg)

$$TC = \frac{0.0005 \text{ mg/kg/d}}{8.3 \text{ m}^3/\text{d}} \times 16.5 \text{ kg} \times \frac{1000 \mu\text{g}}{\text{mg}} = 1 \mu\text{g}/\text{m}^3$$

1.2 Oral Exposure Limits

1.2.1 Chronic Oral

| Table B.22-3 Chronic Oral Exposure Limits for Lead | | | | | | |
|--|-------|---------------------------------------|---------------|-----------|--------|-----|
| AGENCY | ATSDR | Health Canada | OEHHA | RIVM | US EPA | WHO |
| Exposure Limit Type | - | BMDL₀₁ | RsD | TDI | - | - |
| Exposure Limit Value (mg/kg bw/day) | - | 0.0005 | 0.0012 | 0.0036 | - | - |
| Critical Organ or Effect | - | Neurotoxicity | Kidney tumors | | - | - |
| Species | - | Human children | Male rats | | - | - |
| Study | - | - | - | | - | - |
| Source | - | Health Canada, pers comm. 2015 | OEHHA 2009 | RIVM 2001 | - | - |

- not available

Bold – Exposure Limit selected for HHRA.

Lead and inorganic lead compounds are classified as probably carcinogenic to humans (Group 2A) by IARC, as reasonably anticipated to be human carcinogens (Group K) by NTP and as confirmed animal carcinogens with unknown relevance to humans (Group A3) by ACGIH (OSU, 2010). However, potential neurological effects has been identified as a more sensitive

end point than carcinogenicity (Health Canada, pers comm. 2015; US EPA, 2004, 2008). For this reason, lead was treated as a non-carcinogen by ingestion for this risk assessment.

Health Canada (2013) has concluded that their previous provisional tolerable weekly intake of 0.025 mg/kg bw/day for lead could no longer be considered protective of human health since there is no evidence of a threshold for critical lead-induced health effects. Health Canada recommends the use of the BMDL₀₁ of 0.0005 mg/kg bw/d derived by the European Food Safety Authority (EFSA 2010) from a blood lead level of 12 µg/L for developmental neurotoxicity in children (Health Canada, pers comm. 2015). This value was used for the assessment.

The RIVM (2001) provides an oral exposure limit of 0.0036 mg/kg bw/d based on the TDI established by the WHO (2003).

The WHO (2003) derived a TDI of 0.0036 mg/kg bw/d developed from the provisional tolerable weekly intake (PTWI) of 0.025 mg/kg bw/d. This PTWI has been recently withdrawn, based on scientific evidence that it is no longer considered protective (JECFA/FAO 2011; EFSA 2010). Because the dose–response analyses do not provide any indication of a threshold for the key effects of lead, JECFA concluded that it was not possible to establish a new PTWI that would be considered to be health protective.

The OEHHHA (2009) derived a chronic oral slope factor of 8.5×10^{-3} (mg/kg/d)⁻¹ (equivalent to an RsD of 0.0012 mg/kg bw/d) based on the incidence of kidney tumours in male rats.

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Table 1 - Summary of Lead Results in Surface Dust
Pre-Abatement Lead Assessment - RCMP Lab Building - Regina, SK

| Sample Number | Date Sampled (yyyy/mm/dd) | Location Description | Surface Sampled | Lead on Wipe (ug) | Surface Area Sampled (m ²) | Lead Concentration (ug/0.09 m ² = ug/ft ²) | Lead Abatement Guideline ⁽³⁾ (ug/0.09 m ² = ug/ft ²) |
|---------------------|---------------------------|---|----------------------|-------------------|--|---|--|
| Room 102/105 | | | | | | | |
| 102-F-1 | 2015/09/14 | W Central - carpet | Floor | 3.2 | 0.09 | 3.2 | 220 |
| 102-C-1 | 2015/09/15 | E Central - painted metal | Ceiling | <2.0 | 0.09 | <2.0 | 220 |
| 102-W-1 | 2015/09/14 | N wall - painted drywall | Wall | 5.2 | 0.09 | 5.2 | 220 |
| 102-W-2 | 2015/09/14 | W wall - glass | Wall | 4.0 | 0.09 | 4.0 | 220 |
| 102-W-3 | 2015/09/14 | S wall - painted drywall | Wall | 2.4 | 0.09 | 2.4 | 220 |
| 102-W-4 | 2015/09/14 | E wall - painted drywall | Wall | <2.0 | 0.09 | <2.0 | 220 |
| 102-S-1 | 2015/09/14 | Top - table, NE | Horizontal | 5.0 | 0.09 | 5.0 | 220 |
| 102-WIN-1 | 2015/09/14 | Window sill, N | Window Sill | 2.1 | 0.0475 | 4.0 | 220 |
| 105-T-1 | 2015/09/17 | Ceiling chase - top of lay-in 2x4' acoustical ceiling tile, NW | Ceiling (above) | 10.8 | 0.09 | 10.8 | 1,100 |
| 105-TD-1 | 2015/09/17 | Ceiling chase - top of unpainted metal supply air duct - SV.1.20, NW | Duct (above ceiling) | 137 | 0.09 | 137 | 1,100 |
| 102-ED-1 | 2015/09/14 | Exterior painted metal supply air grating, SE | HVAC - Supply | <2.0 | 0.09 | <2.0 | 220 |
| 102-ED-2 | 2015/09/14 | Exterior unpainted metal exhaust air grating, SW | HVAC - Exhaust | 10.8 | 0.09 | 10.8 | 220 |
| 102-ID-1 | 2015/09/14 | Interior unpainted metal exhaust air duct above grating, SW | HVAC - Exhaust | 6.5 | 0.08 | 7.3 | 1,100 |
| Room 120 | | | | | | | |
| 120-F-1 | 2015/09/14 | W - carpet | Floor | < 2.0 | 0.09 | < 2.0 | 1,100 |
| 120-C-1 | 2015/09/15 | W - lay-in 2x4' acoustical ceiling tile | Ceiling | 4.5 | 0.09 | 4.5 | 220 |
| 120-W-1 | 2015/09/14 | W wall - painted drywall | Wall | 2.7 | 0.09 | 2.7 | 220 |
| 120-W-2 | 2015/09/14 | S wall - painted drywall | Wall | <2.0 | 0.09 | <2.0 | 220 |
| 120-S-1 | 2015/09/14 | Top - workstation, S | Horizontal | 2.5 | 0.09 | 2.5 | 220 |
| 120-T-1 | 2015/09/17 | Ceiling chase - top of lay-in 2x4' acoustical ceiling tile, SW | Ceiling (above) | 10.6 | 0.09 | 10.6 | 1,100 |
| 120-TD-1 | 2015/09/17 | Ceiling chase - top of unpainted metal supply air duct, SW | Duct (above ceiling) | 87.3 | 0.09 | 87.3 | 1,100 |
| 120-ED-1 | 2015/09/16 | Exterior painted metal exhaust air grating, SW | HVAC - Exhaust | 9.4 | 0.09 | 9.4 | 220 |
| 120-ED-2 | 2015/09/16 | Exterior of supply air vent - light fixture, SW | HVAC - Supply | 10.6 | 0.04 | 23.9 | 220 |
| 120-ID-1 | 2015/09/16 | Interior unpainted metal exhaust air duct above grating, SW | HVAC - Exhaust | 30.1 | 0.05 | 54.2 | 1,100 |
| 120-ID-2 | 2015/09/16 | Interior unpainted metal supply air diffuser at light fixture, SW | HVAC - Supply | 16.1 | 0.04 | 36.2 | 1,100 |
| 120-CV-1 | 2015/09/16 | Interior central vacuum wall connection, N | Central Vac | 57.6 | 0.008 | 648 | 1,100 |
| Room 141 | | | | | | | |
| 141-F-1 | 2015/09/14 | W - linoleum | Floor | 21.2 | 0.09 | 21.2 | 220 |
| 141-F-2 | 2015/09/14 | E - linoleum | Floor | 12.2 | 0.09 | 12.2 | 220 |
| 141-C-1 | 2015/09/15 | W - lay-in 2x4' acoustical ceiling tile | Ceiling | 11.7 | 0.09 | 11.7 | 220 |
| 141-C-2 | 2015/09/15 | E - lay-in 2x4' acoustical ceiling tile | Ceiling | 54.7 | 0.09 | 54.7 | 220 |
| 141-W-1 | 2015/09/14 | N wall - painted drywall | Wall | 4.1 | 0.09 | 4.1 | 220 |
| 141-W-2 | 2015/09/14 | W wall - painted drywall | Wall | <2.0 | 0.09 | <2.0 | 220 |
| 141-W-3 | 2015/09/14 | S wall - painted drywall | Wall | 6.8 | 0.09 | 6.8 | 220 |
| 141-W-4 | 2015/09/14 | E wall - painted concrete block | Wall | 3.6 | 0.09 | 3.6 | 220 |
| 141-S-1 | 2015/09/14 | Top - table, W | Horizontal | 8.4 | 0.09 | 8.4 | 220 |
| 141-S-2 | 2015/09/14 | Top - shelving, E | Horizontal | 32.4 | 0.09 | 32.4 | 220 |
| 141-T-1 | 2015/09/14 | Ceiling chase - top of lay-in 2x4' acoustical ceiling tile, SW | Ceiling (above) | 12.4 | 0.09 | 12.4 | 1,100 |
| 141-TD-1 | 2015/09/14 | Ceiling chase - top of unpainted metal supply air duct/light fixture, E | Duct (above ceiling) | 89.0 | 0.09 | 89.0 | 1,100 |
| 141-ED-1 | 2015/09/14 | Exterior painted metal exhaust air grating, W | HVAC - Exhaust | 11.8 | 0.09 | 11.8 | 220 |
| 141-ED-2 | 2015/09/14 | Exterior of supply air vent - light fixture, SE | HVAC - Supply | 7.0 | 0.04 | 15.8 | 220 |
| 141-ID-1 | 2015/09/14 | Interior unpainted metal exhaust air duct above grating, W | HVAC - Exhaust | 36.9 | 0.08 | 41.5 | 1,100 |
| 141-ID-2 | 2015/09/14 | Interior unpainted metal supply air diffuser at light fixture, SE | HVAC - Supply | 11.8 | 0.04 | 26.6 | 1,100 |
| Room 144 | | | | | | | |
| 144-F-1 | 2015/09/14 | N - carpet | Floor | 3.3 | 0.09 | 3.3 | 1,100 |
| 144-F-2 | 2015/09/14 | Central - carpet | Floor | 4.4 | 0.09 | 4.4 | 1,100 |
| 144-F-3 | 2015/09/14 | S - carpet | Floor | 4.7 | 0.09 | 4.7 | 1,100 |
| 144-C-1 | 2015/09/16 | N - painted metal | Ceiling | 78.0 | 0.09 | 78.0 | 220 |
| 144-C-2 | 2015/09/16 | Central - painted metal | Ceiling | 84.0 | 0.09 | 84.0 | 220 |
| 144-C-3 | 2015/09/16 | S - painted metal | Ceiling | 68.3 | 0.09 | 68.3 | 220 |
| 144-W-1 | 2015/09/14 | N end - E wall - glass | Wall | <2.0 | 0.09 | <2.0 | 220 |
| 144-W-2 | 2015/09/14 | N end - W wall - painted drywall, outside Room 173 | Wall | 2.9 | 0.09 | 2.9 | 220 |
| 144-W-3 | 2015/09/14 | Central - E wall - painted drywall, across from Room 163 | Wall | 3.4 | 0.09 | 3.4 | 220 |
| 144-W-4 | 2015/09/14 | Central - W wall - painted drywall, outside Room 153 | Wall | <2.0 | 0.09 | <2.0 | 220 |
| 144-W-5 | 2015/09/14 | S end - E wall - painted drywall across from Room 148 | Wall | <2.0 | 0.09 | <2.0 | 220 |
| 144-W-6 | 2015/09/14 | S end - W wall - near entrance | Wall | <2.0 | 0.09 | <2.0 | 220 |
| 144-ED-1 | 2015/09/16 | Exterior of supply air vent - across from Room 162 | HVAC - Supply | 56.4 | 0.08 | 63.5 | 220 |
| 144-ED-2 | 2015/09/16 | Exterior of exhaust air vent - across from Room 148 | HVAC - Exhaust | 15.8 | 0.09 | 15.8 | 220 |
| 144-ID-1 | 2015/09/16 | Interior of supply air vent - across from Room 162 | HVAC - Supply | 144 | 0.09 | 144 | 1,100 |
| 144-ID-2 | 2015/09/16 | Interior of exhaust air vent - across from Room 148 | HVAC - Exhaust | 134 | 0.09 | 134 | 1,100 |
| Room 146 | | | | | | | |
| 146-F-1 | 2015/09/16 | N - concrete | Floor | 33.9 | 0.09 | 33.9 | 220 |
| 146-F-2 | 2015/09/16 | SW - concrete | Floor | 27.4 | 0.09 | 27.4 | 220 |
| 146-F-3 | 2015/09/16 | SE - concrete | Floor | 184 | 0.09 | 184 | 220 |
| 146-C-1 | 2015/09/16 | N - painted concrete | Ceiling | 2.0 | 0.09 | 2.0 | 220 |
| 146-C-2 | 2015/09/16 | SW - painted concrete | Ceiling | < 2.0 | 0.09 | < 2.0 | 220 |
| 146-C-3 | 2015/09/16 | SE - painted concrete | Ceiling | < 2.0 | 0.09 | < 2.0 | 220 |
| 146-W-1 | 2015/09/16 | N wall - painted cinder block | Wall | 25.3 | 0.09 | 25.3 | 220 |
| 146-W-2 | 2015/09/16 | W wall - painted cinder block | Wall | 16.2 | 0.09 | 16.2 | 220 |
| 146-W-3 | 2015/09/16 | S overhead door - painted metal | Wall | 44.7 | 0.09 | 44.7 | 220 |
| 146-W-4 | 2015/09/16 | SE wall - painted cinder block | Wall | 38.5 | 0.09 | 38.5 | 220 |
| 146-W-5 | 2015/09/16 | E wall - painted cinder block | Wall | 42.9 | 0.09 | 42.9 | 220 |
| 146-S-1 | 2015/09/16 | Top - table, N | Horizontal | 268 | 0.09 | 268 | 220 |
| 146-S-2 | 2015/09/16 | Top - table, pressure wash station, SW | Horizontal | 902 | 0.09 | 902 | 220 |
| 146-S-3 | 2015/09/16 | Top - shelving, SE end | Horizontal | 12,700 | 0.09 | 12,700 | 220 |
| 146-S-4 | 2015/09/16 | Top - grey cabinet, E wall | Horizontal | 51.3 | 0.09 | 51.3 | 220 |
| 146-S-5 | 2015/09/16 | Top - wood cabinet, NE end | Horizontal | 1,830 | 0.09 | 1,830 | 220 |
| 146-TD-1 | 2015/09/16 | Top of painted metal exhaust air duct, NW | Duct | 1,690 | 0.09 | 1,690 | 1,100 |
| 146-TD-2 | 2015/09/16 | Top of painted metal exhaust air duct, SW | Duct | 3,590 | 0.09 | 3,590 | 1,100 |
| 146-ED-1 | 2015/09/16 | Exterior of painted metal supply air louvre, S | HVAC - Supply | 1,130 | 0.08 | 1,271 | 220 |
| 146-ED-2 | 2015/09/16 | Exterior of painted metal exhaust air louvre, SW | HVAC - Exhaust | 4,090 | 0.09 | 4,090 | 220 |
| 146-ID-1 | 2015/09/16 | Interior unpainted metal supply air duct, S | HVAC - Supply | 47.6 | 0.08 | 53.6 | 1,100 |
| 146-ID-2 | 2015/09/16 | Interior unpainted metal exhaust air duct, SW | HVAC - Exhaust | 7,060 | 0.09 | 7,060 | 1,100 |
| 146-ID-3 | 2015/09/16 | Interior unpainted metal exhaust air duct at fire damper FD-103, NW | HVAC - Exhaust | 523 | 0.09 | 523 | 1,100 |
| ST-F-1 | 2015/08/04 | Stairwell entry to Room 151, concrete | Floor | 11,700 | 0.09 | 11,700 | 220 |
| ST-W-1 | 2015/08/04 | Stairwell entry to Room 151, painted concrete block | Wall - 1.0 m | 287 | 0.09 | 287 | 220 |
| ST-W-2 | 2015/08/05 | Stairwell entry to Room 151, painted concrete block | Wall - 3.5 m | 100 | 0.09 | 100 | 220 |
| Room 147 | | | | | | | |
| 147-F-1 | 2015/09/16 | Central - linoleum sheet | Floor | 1,220 | 0.09 | 1,220 | 220 |
| 147-C-1 | 2015/09/16 | Central - lay-in 2x4' acoustical ceiling tile | Ceiling | 3.7 | 0.09 | 3.7 | 220 |
| 147-W-1 | 2015/09/16 | N wall - painted concrete block | Wall | 12.8 | 0.09 | 12.8 | 220 |
| 147-W-2 | 2015/09/16 | W wall - painted concrete block | Wall | 4.5 | 0.09 | 4.5 | 220 |
| 147-W-3 | 2015/09/16 | S wall - painted concrete block | Wall | 8.4 | 0.09 | 8.4 | 220 |
| 147-W-4 | 2015/09/16 | E wall - painted concrete block | Wall | 7.1 | 0.09 | 7.1 | 220 |

Table 1 - Summary of Lead Results in Surface Dust
Pre-Abatement Lead Assessment - RCMP Lab Building - Regina, SK

| Sample Number | Date Sampled (yyyy/mm/dd) | Location Description | Surface Sampled | Lead on Wipe (ug) | Surface Area Sampled (m²) | Lead Concentration (ug/0.09 m² = ug/ft²) | Lead Abatement Guideline ⁽³⁾ (ug/0.09 m² = ug/ft²) |
|-----------------|---------------------------|---|----------------------|-------------------|---------------------------|--|---|
| 147-S-1 | 2015/09/16 | Top - work bench, E wall | Horizontal | 61.4 | 0.09 | 61.4 | 220 |
| 147-TC-1 | 2015/09/16 | Ceiling chase - top of lay-in 2x4' acoustical ceiling tile, N | Ceiling (above) | 71.3 | 0.09 | 71.3 | 1,100 |
| 147-TD-1 | 2015/09/16 | Ceiling chase - top of supply air unpainted metal duct, N | Duct (above ceiling) | 198 | 0.09 | 198 | 1,100 |
| 147-ED-1 | 2015/09/16 | Exterior painted metal supply air grating, Central | HVAC - Supply | 3.1 | 0.09 | 3.1 | 220 |
| 147-ED-2 | 2015/09/16 | Exterior painted metal exhaust air grating, N near floor | HVAC - Exhaust | 1,010 | 0.09 | 1,010 | 220 |
| 147-ID-1 | 2015/09/16 | Interior flexible riser above supply air diffuser, Central | HVAC - Supply | 14.5 | 0.08 | 16.3 | 1,100 |
| 147-ID-2 | 2015/09/16 | Interior unpainted metal exhaust air duct, N near floor | HVAC - Exhaust | 323 | 0.09 | 323 | 1,100 |
| 147-ID-3 | 2015/09/16 | Interior unpainted metal exhaust air duct, SW near floor | HVAC - Exhaust | 340 | 0.09 | 340 | 1,100 |
| 147-ID-4 | 2015/09/16 | Interior unpainted metal supply air duct, SV1.36, pre-reheat coils, NE | HVAC - Supply | 25.0 | 0.05 | 45.0 | 1,100 |
| 147-EF-1 | 2015/09/16 | W Fume Hood, painted metal base | Fume - Exhaust | 142 | 0.09 | 142 | 220 |
| 147-JF-1 | 2015/09/16 | Interior unpainted metal duct above fume hood, W wall | Fume - Exhaust | 57.4 | 0.09 | 57.4 | 1,100 |
| Room 148 | | | | | | | |
| 148-F-1 | 2015/09/16 | Central - linoleum sheet | Floor | 30.2 | 0.09 | 30.2 | 220 |
| 148-C-1 | 2015/09/16 | Central - lay-in 2x4' acoustical ceiling tile | Ceiling | < 2.0 | 0.09 | < 2.0 | 220 |
| 148-W-1 | 2015/09/16 | W wall - painted concrete block | Wall | 4.7 | 0.09 | 4.7 | 220 |
| 148-W-2 | 2015/09/16 | S wall - painted concrete block | Wall | 7.2 | 0.09 | 7.2 | 220 |
| 148-W-3 | 2015/09/16 | E wall - painted concrete block | Wall | < 2.0 | 0.09 | < 2.0 | 220 |
| 148-S-1 | 2015/09/16 | Top - work bench, W wall | Horizontal | 3.4 | 0.09 | 3.4 | 220 |
| 148-TC-1 | 2015/09/16 | Ceiling chase - top of lay-in 2x4' acoustical ceiling tile, Central | Ceiling (above) | 203 | 0.09 | 203 | 1,100 |
| 148-TD-1 | 2015/09/16 | Ceiling chase - top of supply air unpainted metal duct, SE | Duct (above ceiling) | 784 | 0.09 | 784 | 1,100 |
| 148-ED-1 | 2015/09/16 | Exterior painted metal on supply air diffuser, Central | HVAC - Supply | < 2.0 | 0.09 | < 2.0 | 220 |
| 148-ED-2 | 2015/09/16 | Exterior of supply air vent - light fixture, SE | HVAC - Supply | 14.6 | 0.09 | 14.6 | 220 |
| 148-ID-1 | 2015/09/16 | Interior flexible plastic supply air duct above air diffuser, Central | HVAC - Supply | 19.4 | 0.09 | 19.4 | 1,100 |
| 148-ID-2 | 2015/09/16 | Interior unpainted metal supply air duct - light fixture, SE | HVAC - Supply | 23.1 | 0.09 | 23.1 | 1,100 |
| 148-ID-3 | 2015/09/16 | Interior unpainted metal supply air duct - SV1.37, pre-reheat coils, SE | HVAC - Supply | 26.5 | 0.05 | 47.7 | 1,100 |
| 148-EF-1 | 2015/09/16 | Base of fume hood - painted metal, N wall | Fume - Exhaust | 20.4 | 0.09 | 20.4 | 220 |
| 148-JF-1 | 2015/09/16 | Interior unpainted exhaust air duct above fume hood, N wall | Fume - Exhaust | < 2.0 | 0.09 | < 2.0 | 1,100 |
| Room 149 | | | | | | | |
| 149-F-1 | 2015/09/14 | N Central - OSB wood | Floor | 430 | 0.09 | 430 | 220 |
| 149-C-1 | 2015/09/15 | N Central - painted concrete | Ceiling | 6.7 | 0.09 | 6.7 | 220 |
| 149-W-1 | 2015/09/14 | N wall - painted concrete block | Wall | 4.6 | 0.09 | 4.6 | 220 |
| 149-W-2 | 2015/09/14 | S wall - painted concrete block | Wall | 5.7 | 0.09 | 5.7 | 220 |
| 149-W-3 | 2015/09/14 | E wall - painted concrete block | Wall | 4.1 | 0.09 | 4.1 | 220 |
| 149-S-1 | 2015/09/14 | Top - shelf, painted metal, Central | Horizontal | 12.3 | 0.09 | 12.3 | 220 |
| 149-TD-1 | 2015/09/15 | Top of exhaust air painted metal duct, N central | Duct | 65.7 | 0.09 | 65.7 | 220 |
| 149-ED-1 | 2015/09/15 | Exterior of painted metal exhaust air grating - vertical louvers, N | HVAC - Exhaust | 669 | 0.068 | 885 | 220 |
| 149-ED-2 | 2015/09/15 | Exterior of painted metal supply air diffuser - horizontal, S | HVAC - Supply | 123 | 0.09 | 123 | 220 |
| 149-ID-1 | 2015/09/15 | Interior unpainted metal exhaust air duct - horizontal, N | HVAC - Exhaust | 202 | 0.08 | 227 | 1,100 |
| 149-ID-2 | 2015/09/15 | Interior unpainted supply air duct above diffuser - vertical, S | HVAC - Supply | 41.4 | 0.09 | 41.4 | 1,100 |
| 149-ID-3 | 2015/09/15 | Interior unpainted metal supply air duct -SV1.38, pre-reheat coils, Central | HVAC - Supply | 35.8 | 0.05 | 64.4 | 1,100 |
| Room 150 | | | | | | | |
| 150-F-1 | 2015/08/05 | W central - unpainted concrete | Floor | 699 | 0.09 | 699 | 220 |
| 150-C-1 | 2015/08/05 | E central - painted concrete | Ceiling | 15.0 | 0.09 | 15.0 | 220 |
| 150-W-1 | 2015/08/05 | N wall - painted concrete block | Wall | 93.0 | 0.09 | 93.0 | 220 |
| 150-W-2 | 2015/08/05 | W wall - painted concrete block | Wall | 242 | 0.09 | 242 | 220 |
| 150-W-3 | 2015/08/05 | S wall - painted concrete block | Wall | 21.9 | 0.09 | 21.9 | 220 |
| 150-W-4 | 2015/08/05 | E wall - painted concrete block | Wall | 29.0 | 0.09 | 29.0 | 220 |
| 150-S-1 | 2015/08/05 | Top - workbench, laminate, NW | Horizontal | 111 | 0.09 | 111 | 220 |
| 150-S-2 | 2015/08/05 | Top - cupboards, laminate, SW | Horizontal | 358 | 0.09 | 358 | 220 |
| 150-HVAC-1 | 2015/08/05 | Exterior of exhaust air - metal louvers, N | HVAC - Exhaust | 868 | 0.09 | 868 | 220 |
| 150-HVAC-2 | 2015/08/05 | Exterior of supply air - painted metal diffusers, N | HVAC - Supply | 247 | 0.09 | 247 | 220 |
| 150-TD-1 | 2015/09/15 | Top of painted exhaust air duct, NE | Duct | 246 | 0.09 | 246 | 220 |
| 150-ID-1 | 2015/09/15 | Interior unpainted exhaust air duct, N | HVAC - Exhaust | 167 | 0.09 | 167 | 1,100 |
| 150-ID-2 | 2015/09/15 | Interior unpainted supply air duct above diffuser, S central | HVAC - Supply | 24.6 | 0.09 | 24.6 | 1,100 |
| 150-ID-3 | 2015/09/15 | Interior unpainted exhaust air duct at fire damper FD-102, SW | HVAC - Exhaust | 381 | 0.09 | 381 | 1,100 |
| 150-ID-4 | 2015/09/15 | Interior unpainted metal supply air duct - SV1.39, pre-reheat coils, NW | HVAC - Supply | 31.5 | 0.05 | 56.7 | 1,100 |
| 150-ID-5 | 2015/09/15 | Interior bench exhaust pipe, S central | HVAC - Exhaust | 173 | 0.047 | 331 | 1,100 |
| 150-CV-1 | 2015/09/16 | Interior central vacuum wall connection, E | Central Vac | 367 | 0.008 | 4,129 | 1,100 |
| Room 151 | | | | | | | |
| 151-F-1 | 2015/08/05 | N end, landing - linoleum | Floor | 8,410 | 0.09 | 8,410 | 220 |
| 151-F-2 | 2015/08/05 | N end - linoleum tile | Floor | 3,300 | 0.09 | 3,300 | 220 |
| 151-F-3 | 2015/08/05 | Central - linoleum tile | Floor | 8,070 | 0.09 | 8,070 | 220 |
| 151-F-4 | 2015/08/05 | Central - linoleum tile | Floor | 10,400 | 0.09 | 10,400 | 220 |
| 151-F-5 | 2015/08/05 | Central - linoleum tile | Floor | 9,210 | 0.09 | 9,210 | 220 |
| 151-F-6 | 2015/08/05 | S end - linoleum tile | Floor | 14,200 | 0.09 | 14,200 | 220 |
| 151-F-7 | 2015/08/05 | S end - linoleum tile | Floor | 58,200 | 0.09 | 58,200 | 220 |
| 151-C-1 | 2015/08/05 | N end - painted drywall | Ceiling | 53.5 | 0.09 | 53.5 | 220 |
| 151-C-2 | 2015/08/05 | N end - fabric panel | Ceiling | 91.7 | 0.09 | 91.7 | 220 |
| 151-C-3 | 2015/08/05 | Central - fabric panel | Ceiling | 85.3 | 0.09 | 85.3 | 220 |
| 151-C-4 | 2015/08/05 | Central - fabric panel | Ceiling | 52.4 | 0.09 | 52.4 | 220 |
| 151-C-5 | 2015/08/05 | Central - fabric panel | Ceiling | 52.8 | 0.09 | 52.8 | 220 |
| 151-C-6 | 2015/08/05 | S end - fabric panel | Ceiling | 31.3 | 0.09 | 31.3 | 220 |
| 151-C-7 | 2015/08/05 | S end - fabric panel | Ceiling | 12,700 | 0.09 | 12,700 | 220 |
| 151-W-1 | 2015/08/05 | N end - E wall - fabric panel | Wall | 348 | 0.09 | 348 | 220 |
| 151-W-2 | 2015/08/05 | N end - E wall - fabric panel | Wall | 273 | 0.09 | 273 | 220 |
| 151-W-3 | 2015/08/05 | Central - E wall - fabric panel | Wall | 231 | 0.09 | 231 | 220 |
| 151-W-4 | 2015/08/05 | Central - E wall - fabric panel | Wall | 131 | 0.09 | 131 | 220 |
| 151-W-5 | 2015/08/05 | Central - E wall - fabric panel | Wall | 202 | 0.09 | 202 | 220 |
| 151-W-6 | 2015/08/05 | S end - E wall - fabric panel | Wall | 179 | 0.09 | 179 | 220 |
| 151-W-7 | 2015/08/05 | S end - E wall - painted wood panel | Wall | 1,230 | 0.09 | 1,230 | 220 |
| 151-W-8 | 2015/08/05 | Backstop - painted wood panel, E | Wall | 294 | 0.09 | 294 | 220 |
| 151-W-9 | 2015/08/05 | N end - W wall - fabric panel | Wall | 670 | 0.09 | 670 | 220 |
| 151-W-10 | 2015/08/05 | N end - W wall - drywall | Wall | 207 | 0.09 | 207 | 220 |
| 151-W-11 | 2015/08/05 | Central - W wall - drywall | Wall | 236 | 0.09 | 236 | 220 |
| 151-W-12 | 2015/08/05 | Central W wall - fabric panel | Wall | 127 | 0.09 | 127 | 220 |
| 151-W-13 | 2015/08/05 | Central - W wall - fabric panel | Wall | 127 | 0.09 | 127 | 220 |
| 151-W-14 | 2015/08/05 | S end - W wall - fabric panel | Wall | 150 | 0.09 | 150 | 220 |
| 151-W-15 | 2015/08/05 | S end - W wall - painted wood panel | Wall | 1,770 | 0.09 | 1,770 | 220 |
| 151-W-16 | 2015/08/05 | Backstop - painted wood panel, W | Wall | 509 | 0.09 | 509 | 220 |
| 151-W-17 | 2015/09/15 | NW Corner - drywall surface behind acoustic panel | Wall | 80.5 | 0.09 | 80.5 | 220 |
| 151-S-1 | 2015/08/05 | Top - bench, laminate, NE | Horizontal | 18,400 | 0.09 | 18,400 | 220 |
| 151-S-2 | 2015/08/05 | Top - water chamber on firing bench, NE | Horizontal | 19,900 | 0.09 | 19,900 | 220 |
| 151-S-3 | 2015/08/05 | Top - ballistic trap, metal surface, S | Horizontal | 60,800 | 0.09 | 60,800 | 220 |
| 151-HVAC-1 | 2015/08/05 | Exterior of exhaust air - unpainted metal, SE | HVAC - Exhaust | 56,800 | 0.09 | 56,800 | 220 |
| 151-HVAC-2 | 2015/08/05 | Exterior of exhaust air - unpainted metal, SW | HVAC - Exhaust | 55,800 | 0.09 | 55,800 | 220 |

Table 1 - Summary of Lead Results in Surface Dust
Pre-Abatement Lead Assessment - RCMP Lab Building - Regina, SK

| Sample Number | Date Sampled (yyyy/mm/dd) | Location Description | Surface Sampled | Lead on Wipe (ug) | Surface Area Sampled (m²) | Lead Concentration (ug/0.09 m² = ug/ft²) | Lead Abatement Guideline ⁽³⁾ (ug/0.09 m² = ug/ft²) |
|-----------------|---------------------------|---|----------------------|-------------------|---------------------------|--|---|
| 151-HVAC-3 | 2015/08/05 | Exterior of supply air - painted metal grating, NE | HVAC - Supply | 1,210 | 0.045 | 2,420 | 220 |
| 151-HVAC-4 | 2015/08/05 | Exterior of supply air - painted metal grating, NW | HVAC - Supply | 594 | 0.045 | 1,188 | 220 |
| 151-PIT-1 | 2015/08/05 | Sump Pit - wall, concrete, S | Sump Pit | 1,350 | 0.09 | 1,350 | 1,100 |
| 151-ID-1 | 2015/09/15 | Concrete Block at supply air duct, NW | HVAC-Supply | 74.8 | 0.09 | 74.8 | 220 |
| 151-ID-2 | 2015/09/15 | Interior unpainted metal supply air duct, NW | HVAC-Supply | 9,550 | 0.09 | 9,550 | 1,100 |
| 151-ID-3 | 2015/09/15 | Interior concrete exhaust air duct, SE | HVAC-Exhaust | 44,100 | 0.09 | 44,100 | 1,100 |
| Room 152 | | | | | | | |
| 152-F-1 | 2015/08/04 | W central - unpainted concrete | Floor | 376 | 0.09 | 376 | 220 |
| 152-C-1 | 2015/08/04 | E central - painted concrete | Ceiling | < 2.0 | 0.09 | < 2.0 | 220 |
| 152-W-1 | 2015/08/04 | N wall - painted concrete block | Wall | 103 | 0.09 | 103 | 220 |
| 152-W-2 | 2015/08/04 | W wall - painted concrete block | Wall | 104 | 0.09 | 104 | 220 |
| 152-W-3 | 2015/08/04 | S wall - painted concrete block | Wall | 21.8 | 0.09 | 21.8 | 220 |
| 152-W-4 | 2015/08/04 | E wall - painted concrete block | Wall | 45.8 | 0.09 | 45.8 | 220 |
| 152-S-1 | 2015/08/04 | Top - workbench, linoleum, W | Horizontal | 648 | 0.09 | 648 | 220 |
| 152-HVAC-1 | 2015/08/04 | Exterior of supply air - painted metal diffusers, NE | HVAC - Supply | 192 | 0.09 | 192 | 220 |
| 152-HVAC-2 | 2015/08/04 | Exterior of exhaust air - metal louvers, NW | HVAC - Exhaust | 1,210 | 0.09 | 1,210 | 220 |
| 152-TD-1 | 2015/09/15 | Top of painted metal exhaust air duct, N | Duct | 248 | 0.09 | 248 | 220 |
| 152-ID-1 | 2015/09/15 | Interior unpainted metal exhaust air duct, N | HVAC - Exhaust | 1,770 | 0.09 | 1,770 | 1,100 |
| 152-ID-2 | 2015/09/15 | Interior unpainted metal supply air duct above diffuser, NE | HVAC - Supply | 24.6 | 0.09 | 24.6 | 1,100 |
| 152-ID-3 | 2015/09/15 | Interior unpainted metal supply air duct above diffuser, SE | HVAC - Supply | 41.3 | 0.09 | 41.3 | 1,100 |
| 152-ID-4 | 2015/09/15 | Interior unpainted metal supply air duct - SV1.40, pre-reheat coils, W | HVAC - Supply | 19.7 | 0.05 | 35.5 | 1,100 |
| 152-ID-5 | 2015/09/16 | Interior unpainted metal supply air duct at fire damper FD-99, N | HVAC - Supply | 39.1 | 0.09 | 39.1 | 1,100 |
| Room 153 | | | | | | | |
| 153-F-1 | 2015/09/14 | W central - concrete | Floor | 654 | 0.09 | 654 | 220 |
| 153-C-1 | 2015/09/15 | W central - painted concrete | Ceiling | 3.6 | 0.09 | 3.6 | 220 |
| 153-W-1 | 2015/09/14 | N wall - painted concrete block | Wall | 6.0 | 0.09 | 6.0 | 220 |
| 153-W-2 | 2015/09/14 | S wall - painted concrete block | Wall | 48.1 | 0.09 | 48.1 | 220 |
| 153-W-3 | 2015/09/14 | E wall - painted concrete block | Wall | 7.5 | 0.09 | 7.5 | 220 |
| 153-S-1 | 2015/09/14 | Top - counter, NE | Horizontal | 194 | 0.09 | 194 | 220 |
| 153-TD-1 | 2015/09/15 | Top of painted metal supply air diffuser box, SE | Duct | 229 | 0.09 | 229 | 220 |
| 153-ED-1 | 2015/09/15 | Exterior of painted metal supply air diffuser, Central | HVAC - Supply | 18.2 | 0.09 | 18.2 | 220 |
| 153-ED-2 | 2015/09/15 | Exterior of painted metal supply air diffuser, S | HVAC - Supply | 33.2 | 0.09 | 33.2 | 220 |
| 153-ID-1 | 2015/09/15 | Interior unpainted metal supply air duct at fire damper FD-101, NE | HVAC - Supply | 37.6 | 0.09 | 37.6 | 1,100 |
| 153-ID-2 | 2015/09/15 | Interior unpainted metal supply air duct at fire damper FD-100, NE | HVAC - Supply | 14.5 | 0.09 | 14.5 | 1,100 |
| 153-ID-3 | 2015/09/15 | Interior unpainted metal exhaust air duct - bench exhaust, SW | HVAC - Exhaust | 36.7 | 0.05 | 66.1 | 1,100 |
| 153-EF-1 | 2015/09/14 | Base of fume hood - painted metal, E wall | Fume - Exhaust | 1,070 | 0.09 | 1,070 | 220 |
| 153-IF-1 | 2015/09/14 | Interior unpainted exhaust air duct above fume hood, E wall | Fume - Exhaust | 873 | 0.05 | 1,571 | 1,100 |
| Room 154 | | | | | | | |
| 154-F-1 | 2015/09/14 | Central - carpet | Floor | 65.4 | 0.09 | 65.4 | 1,100 |
| 154-C-1 | 2015/09/15 | Central - lay-in 2x4' acoustical ceiling tile | Ceiling | 4.7 | 0.09 | 4.7 | 220 |
| 154-W-1 | 2015/09/14 | S wall - painted drywall | Wall | 3.1 | 0.09 | 3.1 | 220 |
| 154-W-2 | 2015/09/14 | E wall - painted drywall | Wall | 2.9 | 0.09 | 2.9 | 220 |
| 154-S-1 | 2015/09/14 | Top - desk, SE | Horizontal | 73.3 | 0.09 | 73.3 | 220 |
| 154-TC-1 | 2015/09/15 | Ceiling chase - top of lay-in, 2x4' acoustical ceiling tile, N central | Ceiling (above) | 25.0 | 0.09 | 25.0 | 1,100 |
| 154-ED-1 | 2015/09/15 | Exterior of painted metal exhaust air grating, NE | HVAC - Exhaust | 16.0 | 0.09 | 16.0 | 220 |
| 154-ED-2 | 2015/09/15 | Exterior of painted metal supply air diffuser, SE | HVAC - Supply | 35.5 | 0.09 | 35.5 | 220 |
| Room 155 | | | | | | | |
| 155-F-1 | 2015/09/14 | Central - carpet | Floor | 52.0 | 0.09 | 52.0 | 1,100 |
| 155-C-1 | 2015/09/15 | Central - lay-in 2x4' acoustical ceiling tile | Ceiling | 4.5 | 0.09 | 4.5 | 220 |
| 155-W-1 | 2015/09/14 | N wall - painted drywall | Wall | 2.3 | 0.09 | 2.3 | 220 |
| 155-W-2 | 2015/09/14 | E wall - painted drywall | Wall | 5.4 | 0.09 | 5.4 | 220 |
| 155-S-1 | 2015/09/14 | Top - desk, S | Horizontal | 30.7 | 0.09 | 30.7 | 220 |
| 155-TD-1 | 2015/09/15 | Ceiling chase - top of unpainted metal exhaust air duct, E central | Duct (above ceiling) | 355 | 0.09 | 355 | 1,100 |
| 155-ED-1 | 2015/09/15 | Exterior of painted metal exhaust air grating, NE | HVAC - Exhaust | 27.0 | 0.09 | 27.0 | 220 |
| 155-ED-2 | 2015/09/15 | Exterior of painted metal supply air diffuser, Central | HVAC - Supply | 39.2 | 0.09 | 39.2 | 220 |
| 155-ID-1 | 2015/09/15 | Interior unpainted metal exhaust air duct above intake, NE | HVAC - Exhaust | 60.8 | 0.09 | 60.8 | 1,100 |
| Room 156 | | | | | | | |
| 156-F-1 | 2015/09/14 | Central - carpet | Floor | 22.9 | 0.09 | 22.9 | 1,100 |
| 156-C-1 | 2015/09/15 | Central - lay-in 2x4' acoustical ceiling tile | Ceiling | 3.2 | 0.09 | 3.2 | 220 |
| 156-W-1 | 2015/09/14 | N wall - painted drywall | Wall | <2.0 | 0.09 | <2.0 | 220 |
| 156-W-2 | 2015/09/14 | E wall - painted drywall | Wall | 3.4 | 0.09 | 3.4 | 220 |
| 156-S-1 | 2015/09/14 | Top - desk, NE | Horizontal | 27.1 | 0.09 | 27.1 | 220 |
| 156-TC-1 | 2015/09/15 | Ceiling chase - top of lay-in 2x4' acoustical ceiling tile, Central | Ceiling (above) | 24.9 | 0.09 | 24.9 | 1,100 |
| 156-ED-1 | 2015/09/15 | Exterior of painted metal exhaust air grating, SE | HVAC - Exhaust | 21.4 | 0.09 | 21.4 | 220 |
| 156-ED-2 | 2015/09/15 | Exterior of painted metal supply air diffuser, N central | HVAC - Supply | 32.7 | 0.09 | 32.7 | 220 |
| 156-ID-1 | 2015/09/15 | Interior unpainted metal exhaust air duct above intake, SE | HVAC - Exhaust | 27.1 | 0.09 | 27.1 | 1,100 |
| Room 157 | | | | | | | |
| 157-F-1 | 2015/08/04 | N - low pile carpet | Floor | 163 | 0.09 | 163 | 1,100 |
| 157-C-1 | 2015/08/04 | N - lay-in 2x4' acoustical ceiling tile | Ceiling | < 2.0 | 0.09 | < 2.0 | 220 |
| 157-W-1 | 2015/08/04 | N wall - painted drywall | Wall | 7.5 | 0.09 | 7.5 | 220 |
| 157-W-2 | 2015/08/04 | W wall - painted drywall | Wall | 17.0 | 0.09 | 17.0 | 220 |
| 157-W-3 | 2015/08/04 | S wall - painted drywall | Wall | 2.0 | 0.09 | 2.0 | 220 |
| 157-W-4 | 2015/08/04 | E wall - painted drywall | Wall | 2.4 | 0.09 | 2.4 | 220 |
| 157-S-1 | 2015/08/04 | Top - painted metal cabinet, SW | Horizontal | 87.8 | 0.09 | 87.8 | 220 |
| 157-HVAC-1 | 2015/08/04 | Exterior of exhaust air - painted metal grating, NW | HVAC - Exhaust | 999 | 0.09 | 999 | 220 |
| 157-HVAC-2 | 2015/08/04 | Ceiling chase - top of duct above fixture, NW | Duct (above ceiling) | 192 | 0.09 | 192 | 1,100 |
| 157-TC-1 | 2015/09/15 | Ceiling chase - top of lay-in 2x4' acoustical ceiling, tile, S | Ceiling (above) | 65.1 | 0.09 | 65.1 | 1,100 |
| 157-TD-1 | 2015/09/15 | Ceiling chase - top of exhaust air duct, N | Duct (above ceiling) | 478 | 0.09 | 478 | 1,100 |
| 157-ID-1 | 2015/09/15 | Interior of exhaust air duct, NW | HVAC - Exhaust | 623 | 0.09 | 623 | 1,100 |
| 157-ID-2 | 2015/09/15 | Interior supply air duct, light fixture, N | HVAC - Supply | 10.7 | 0.05 | 19.3 | 1,100 |
| 157-ID-3 | 2015/09/15 | Interior unpainted metal supply air duct - SV1.42, pre-reheat coils, Central | HVAC - Supply | 58.1 | 0.05 | 105 | 1,100 |
| 157-ID-4 | 2015/09/15 | Interior unpainted metal supply air duct - SV1.42, post-reheat coils, Central | HVAC - Supply | 43.0 | 0.05 | 77.4 | 1,100 |
| Room 158 | | | | | | | |
| 158-F-1 | 2015/09/14 | NW - linoleum sheet | Floor | 234 | 0.09 | 234 | 220 |
| 158-C-1 | 2015/09/15 | NW - lay-in 2x4' acoustical ceiling tile | Ceiling | < 2.0 | 0.09 | < 2.0 | 220 |
| 158-W-1 | 2015/09/14 | N wall - painted drywall | Wall | 7.8 | 0.09 | 7.8 | 220 |
| 158-W-2 | 2015/09/14 | W wall - painted drywall | Wall | 3.9 | 0.09 | 3.9 | 220 |
| 158-W-3 | 2015/09/14 | S wall - painted drywall | Wall | 8.4 | 0.09 | 8.4 | 220 |
| 158-W-4 | 2015/09/14 | E wall - painted drywall | Wall | 6.3 | 0.09 | 6.3 | 220 |
| 158-S-1 | 2015/09/14 | Top - counter, NE | Horizontal | 9.7 | 0.09 | 9.7 | 220 |
| 158-TC-1 | 2015/09/15 | Ceiling chase - top of lay-in 2x4' acoustical ceiling tile, NW | Ceiling (above) | 59.4 | 0.09 | 59.4 | 1,100 |
| 158-TD-1 | 2015/09/15 | Ceiling chase - top of unpainted metal supply air duct, NW | Duct (above ceiling) | 154 | 0.09 | 154 | 1,100 |
| 158-ED-1 | 2015/09/15 | Exterior of painted metal exhaust air grating, NW | HVAC - Exhaust | 2,780 | 0.09 | 2,780 | 220 |
| 158-ED-2 | 2015/09/15 | Exterior of painted metal supply air diffuser, S central | HVAC - Supply | 16.5 | 0.09 | 16.5 | 220 |
| 158-ID-1 | 2015/09/15 | Interior unpainted metal supply air duct - SV1.43 pre-reheat coils, N | HVAC - Supply | 63.2 | 0.05 | 114 | 1,100 |
| 158-ID-2 | 2015/09/15 | Interior unpainted metal supply air duct - SV1.43 post-reheat coils, N | HVAC - Supply | 44.1 | 0.05 | 79.4 | 1,100 |

Table 1 - Summary of Lead Results in Surface Dust
Pre-Abatement Lead Assessment - RCMP Lab Building - Regina, SK

| Sample Number | Date Sampled (yyyy/mm/dd) | Location Description | Surface Sampled | Lead on Wipe (ug) | Surface Area Sampled (m²) | Lead Concentration (ug/0.09 m² = ug/ft²) | Lead Abatement Guideline ⁽³⁾ (ug/0.09 m² = ug/ft²) |
|-----------------|---------------------------|---|----------------------|-------------------|---------------------------|--|---|
| 158-ID-3 | 2015/09/15 | Interior unpainted metal exhaust air duct above autopsy table, Central | HVAC - Exhaust | 248 | 0.09 | 248 | 1,100 |
| 158-EF-1 | 2015/09/14 | Exterior base of fume hood - painted metal, E wall | Fume - Exhaust | 17.4 | 0.09 | 17.4 | 220 |
| 158-IF-1 | 2015/09/14 | Interior unpainted exhaust air duct above fume hood, E wall | Fume - Exhaust | 879 | 0.05 | 1,582 | 1,100 |
| Room 159 | | | | | | | |
| 159-F-1 | 2015/08/04 | W - linoleum sheet | Floor | 209 | 0.09 | 209 | 220 |
| 159-F-2 | 2015/08/04 | E - linoleum sheet | Floor | 275 | 0.09 | 275 | 220 |
| 159-C-1 | 2015/08/04 | W - lay-in 2x4' acoustical ceiling tile | Ceiling | 3.6 | 0.09 | 3.6 | 220 |
| 159-C-2 | 2015/08/04 | E - lay-in 2x4' acoustical ceiling tile | Ceiling | 2.4 | 0.09 | 2.4 | 220 |
| 159-W-1 | 2015/08/04 | N wall - painted concrete block | Wall | 2.7 | 0.09 | 2.7 | 220 |
| 159-W-2 | 2015/08/04 | W wall - painted concrete block | Wall | 5.7 | 0.09 | 5.7 | 220 |
| 159-W-3 | 2015/08/04 | S wall - painted concrete block | Wall | 4.0 | 0.09 | 4.0 | 220 |
| 159-W-4 | 2015/08/04 | E wall - painted concrete block | Wall | 78.2 | 0.09 | 78.2 | 220 |
| 159-S-1 | 2015/08/04 | Top - painted metal cabinet, W | Horizontal | 35.9 | 0.09 | 35.9 | 220 |
| 159-S-2 | 2015/08/04 | Top - painted wood cupboards, SE | Horizontal | 251 | 0.09 | 251 | 220 |
| 159-HVAC-1 | 2015/08/04 | Exterior of exhaust air - painted metal grating, E | HVAC - Exhaust | 125 | 0.045 | 250 | 220 |
| 159-HVAC-2 | 2015/08/05 | Exterior of supply air - painted metal diffusers, W | HVAC - Supply | 403 | 0.09 | 403 | 220 |
| 159-TC-1 | 2015/09/15 | Ceiling chase - top of lay-in 2x4' acoustical ceiling tile, Central | Ceiling (above) | 95.0 | 0.09 | 95.0 | 1,100 |
| Room 160 | | | | | | | |
| 160-F-1 | 2015/08/05 | Central - linoleum sheet | Floor | 809 | 0.09 | 809 | 220 |
| 160-C-1 | 2015/08/05 | E - lay-in 2x4' acoustical ceiling tile | Ceiling | 6.0 | 0.09 | 6.0 | 220 |
| 160-W-1 | 2015/08/05 | N wall - painted drywall | Wall | 49.5 | 0.09 | 49.5 | 220 |
| 160-W-2 | 2015/08/05 | W wall - painted drywall | Wall | 33.0 | 0.09 | 33.0 | 220 |
| 160-W-3 | 2015/08/05 | S wall - painted cinder block | Wall | 66.1 | 0.09 | 66.1 | 220 |
| Room 161 | | | | | | | |
| 161-F-1 | 2015/08/05 | NE - linoleum sheet | Floor | 96.9 | 0.09 | 96.9 | 220 |
| 161-F-2 | 2015/08/05 | NW - linoleum sheet | Floor | 307 | 0.09 | 307 | 220 |
| 161-F-3 | 2015/08/05 | SW - linoleum sheet | Floor | 334 | 0.09 | 334 | 220 |
| 161-F-4 | 2015/08/05 | SE - linoleum sheet | Floor | 105 | 0.09 | 105 | 220 |
| 161-F-5 | 2015/08/05 | Central - linoleum sheet | Floor | 85.9 | 0.09 | 85.9 | 220 |
| 161-C-1 | 2015/08/05 | NE - lay-in 2x4' acoustical ceiling tile | Ceiling | 63.2 | 0.09 | 63.2 | 220 |
| 161-C-2 | 2015/08/05 | NW - lay-in 2x4' acoustical ceiling tile | Ceiling | 15.0 | 0.09 | 15.0 | 220 |
| 161-C-3 | 2015/08/05 | SW - lay-in 2x4' acoustical ceiling tile | Ceiling | 3.5 | 0.09 | 3.5 | 220 |
| 161-C-4 | 2015/08/05 | SE - lay-in 2x4' acoustical ceiling tile | Ceiling | 4.5 | 0.09 | 4.5 | 220 |
| 161-C-5 | 2015/08/05 | Central - lay-in 2x4' acoustical ceiling tile | Ceiling | 15.0 | 0.09 | 15.0 | 220 |
| 161-C-6 | 2015/08/05 | Ceiling chase - top of fluorescent fixture, S central | Ceiling | 403 | 0.09 | 403 | 1,100 |
| 161-W-1 | 2015/08/05 | N wall - painted drywall | Wall | 8.2 | 0.09 | 8.2 | 220 |
| 161-W-2 | 2015/08/05 | W wall - painted drywall | Wall | 10.3 | 0.09 | 10.3 | 220 |
| 161-W-3 | 2015/08/05 | SE wall - painted drywall | Wall | 9.6 | 0.09 | 9.6 | 220 |
| 161-W-4 | 2015/08/05 | E wall - painted metal cabinet | Wall | 4.0 | 0.09 | 4.0 | 220 |
| 161-S-1 | 2015/08/05 | Top - table, laminate, Central | Horizontal | 8.3 | 0.09 | 8.3 | 220 |
| 161-S-2 | 2015/08/05 | Top - table, laminate, Central | Horizontal | 29.8 | 0.09 | 29.8 | 220 |
| 161-S-3 | 2015/08/05 | Top - workbench, laminate, NW | Horizontal | 25.4 | 0.09 | 25.4 | 220 |
| 161-S-4 | 2015/08/05 | Top - workbench, laminate, W | Horizontal | 20.0 | 0.09 | 20.0 | 220 |
| 161-S-5 | 2015/08/05 | Top - workbench, laminate, SW | Horizontal | 86.1 | 0.09 | 86.1 | 220 |
| 161-WIN-1 | 2015/08/05 | Window - sill, NW | Window Sill | 43.4 | 0.115 | 34.0 | 220 |
| 161-WIN-2 | 2015/08/05 | Window - sill, SW | Window Sill | 41.7 | 0.115 | 32.6 | 220 |
| 161-HVAC-1 | 2015/08/05 | Exterior of exhaust - painted metal grating, NE | HVAC - Exhaust | 458 | 0.045 | 916 | 220 |
| 161-HVAC-2 | 2015/08/05 | Exterior of exhaust - painted metal grating, NW | HVAC - Exhaust | 1,410 | 0.045 | 2,820 | 220 |
| 161-TC-1 | 2015/09/15 | Ceiling chase - top of ceiling, tile, SE | Ceiling (above) | 56.8 | 0.09 | 56.8 | 1,100 |
| 161-TD-1 | 2015/09/15 | Ceiling chase - top of exhaust air duct, NW | Duct (above ceiling) | 358 | 0.09 | 358 | 1,100 |
| 161-ID-1 | 2015/09/15 | Interior of exhaust duct, NW | HVAC - Exhaust | 823 | 0.09 | 823 | 1,100 |
| 161-ID-2 | 2015/09/15 | Interior supply air duct - light fixture, NW | HVAC - Supply | 18.6 | 0.05 | 33.5 | 1,100 |
| 161-ID-3 | 2015/09/15 | Interior unpainted metal supply air duct - SV1.44, pre-reheat coils, S central | HVAC - Supply | 59.2 | 0.05 | 107 | 1,100 |
| 161-ID-4 | 2015/09/15 | Interior unpainted metal supply air duct - SV1.44, post-reheat coils, S central | HVAC - Supply | 45.6 | 0.05 | 82.1 | 1,100 |
| 161-CV-1 | 2015/09/16 | Interior central vacuum wall connection, SW | Central Vac | 15.3 | 0.008 | 172 | 1,100 |
| Room 162 | | | | | | | |
| 162-F-1 | 2015/09/14 | Central - carpet | Floor | 122 | 0.09 | 122 | 1,100 |
| 162-C-1 | 2015/09/15 | W - lay-in 2x4' acoustical ceiling tile | Ceiling | 136 | 0.09 | 136 | 220 |
| 162-W-1 | 2015/09/14 | SE wall - painted drywall | Wall | 4.1 | 0.09 | 4.1 | 220 |
| 162-W-2 | 2015/09/14 | NW wall - painted drywall | Wall | 5.8 | 0.09 | 5.8 | 220 |
| Room 163 | | | | | | | |
| 163-F-1 | 2015/09/14 | N - carpet | Floor | 62.0 | 0.09 | 62.0 | 1,100 |
| 163-F-2 | 2015/09/14 | S - carpet | Floor | 83.0 | 0.09 | 83.0 | 1,100 |
| 163-C-1 | 2015/09/15 | N - painted concrete | Ceiling | 4.4 | 0.09 | 4.4 | 220 |
| 163-C-2 | 2015/09/15 | S - painted concrete | Ceiling | 2.8 | 0.09 | 2.8 | 220 |
| 163-W-1 | 2015/09/15 | N wall - wood paneling | Wall | 5.2 | 0.09 | 5.2 | 220 |
| 163-W-2 | 2015/09/14 | W wall - wood paneling | Wall | <2.0 | 0.09 | <2.0 | 220 |
| 163-W-3 | 2015/09/14 | S wall - painted concrete block | Wall | 9.6 | 0.09 | 9.6 | 220 |
| 163-W-4 | 2015/09/14 | E wall - wood paneling | Wall | 3.7 | 0.09 | 3.7 | 220 |
| 163-S-1 | 2015/09/14 | Top - mid-shelf, E | Horizontal | 293 | 0.09 | 293 | 220 |
| 163-S-2 | 2015/09/14 | Top - mid-shelf, W | Horizontal | 1,550 | 0.09 | 1,550 | 220 |
| 163-TD-1 | 2015/09/15 | Top of painted metal exhaust air duct, S | Duct | 227 | 0.09 | 227 | 220 |
| 163-ED-1 | 2015/09/15 | Exterior of painted metal exhaust air grating, Central | HVAC - Exhaust | 1,160 | 0.09 | 1,160 | 220 |
| 163-ED-2 | 2015/09/15 | Exterior of painted metal supply air diffuser, W | HVAC - Supply | 60.1 | 0.09 | 60.1 | 220 |
| 163-ID-1 | 2015/09/15 | Interior unpainted metal exhaust air duct above grating, Central | HVAC - Exhaust | 35.2 | 0.05 | 63.4 | 1,100 |
| 163-ID-2 | 2015/09/15 | Interior unpainted metal supply air duct above diffuser, W | HVAC - Supply | 16.4 | 0.05 | 29.5 | 1,100 |
| 163-ID-3 | 2015/09/15 | Interior unpainted metal supply air duct - SV1.45, pre-reheat coils, S | HVAC - Supply | 112 | 0.09 | 112 | 1,100 |
| 163-ID-4 | 2015/09/16 | Interior unpainted metal exhaust air duct at fire damper FD-93, NE | HVAC - Exhaust | 750 | 0.09 | 750 | 1,100 |
| 163-ID-5 | 2015/09/16 | Interior unpainted metal supply air duct at fire damper FD-91, NW | HVAC - Supply | 29.7 | 0.09 | 29.7 | 1,100 |
| Room 164 | | | | | | | |
| 164-F-1 | 2015/08/04 | Central - linoleum sheet | Floor | 75.4 | 0.09 | 75.4 | 220 |
| 164-C-1 | 2015/08/04 | S central - lay-in 2x4' acoustical ceiling tile | Ceiling | < 2.0 | 0.09 | < 2.0 | 220 |
| 164-W-1 | 2015/08/04 | N wall - painted drywall | Wall | 13.2 | 0.09 | 13.2 | 220 |
| 164-W-2 | 2015/08/04 | W wall - painted drywall | Wall | 6.1 | 0.09 | 6.1 | 220 |
| 164-W-3 | 2015/08/04 | E wall - painted drywall | Wall | 2.5 | 0.09 | 2.5 | 220 |
| 164-W-4 | 2015/08/04 | S wall - painted drywall | Wall | 2.7 | 0.09 | 2.7 | 220 |
| 164-S-1 | 2015/08/04 | Top - workbench, laminate, W | Horizontal | 8.0 | 0.09 | 8.0 | 220 |
| 164-S-2 | 2015/08/04 | Top - shelving, laminate, E | Horizontal | 120 | 0.09 | 120 | 220 |
| 164-HVAC-1 | 2015/08/04 | Exterior of exhaust air - painted metal grating, S | HVAC - Exhaust | 533 | 0.045 | 1,066 | 220 |
| 164-HVAC-2 | 2015/08/04 | Exterior of exhaust air - painted metal grating, N | HVAC - Exhaust | 190 | 0.045 | 380 | 220 |
| 164-TC-1 | 2015/09/15 | Ceiling chase - top of lay-in 2x4' acoustical ceiling tile, N | Ceiling (above) | 36.4 | 0.09 | 36.4 | 1,100 |
| 164-TD-1 | 2015/09/15 | Ceiling chase - top of exhaust air duct, S | Duct (above ceiling) | 31.1 | 0.09 | 31.1 | 1,100 |
| 164-ID-1 | 2015/09/15 | Interior unpainted metal supply air duct - SV1.46, pre-reheat coils, S | HVAC - Supply | 31.2 | 0.05 | 56.2 | 1,100 |
| 164-ID-2 | 2015/09/15 | Interior unpainted metal supply air duct - SV1.46, post-reheat coils, S | HVAC - Supply | 40.7 | 0.05 | 73.3 | 1,100 |
| 164-ID-3 | 2015/09/15 | Interior of exhaust air duct, S | HVAC - Exhaust | 19.6 | 0.09 | 19.6 | 1,100 |

Table 1 - Summary of Lead Results in Surface Dust
Pre-Abatement Lead Assessment - RCMP Lab Building - Regina, SK

| Sample Number | Date Sampled (yyyy/mm/dd) | Location Description | Surface Sampled | Lead on Wipe (ug) | Surface Area Sampled (m ²) | Lead Concentration (ug/0.09 m ² = ug/ft ²) | Lead Abatement Guideline ⁽³⁾ (ug/0.09 m ² = ug/ft ²) |
|--|---------------------------|--|----------------------|-------------------|--|---|--|
| 164-ID-4 | 2015/09/15 | Interior supply air duct, light fixture, W | HVAC - Supply | 11.7 | 0.05 | 21.1 | 1,100 |
| Room 165 | | | | | | | |
| 165-F-1 | 2015/09/14 | E - carpet | Floor | 60.3 | 0.09 | 60.3 | 1,100 |
| 165-C-1 | 2015/09/15 | E - lay-in, 2x4' acoustical ceiling tile | Ceiling | 12.7 | 0.09 | 12.7 | 220 |
| 165-W-1 | 2015/09/14 | S wall - painted drywall | Wall | 2.2 | 0.09 | 2.2 | 220 |
| 165-S-1 | 2015/09/14 | Top - desk, central | Horizontal | 8.2 | 0.09 | 8.2 | 220 |
| 165-TC-1 | 2015/09/15 | Ceiling chase - top of lay-in 2x4' acoustical ceiling tile, Central | Ceiling (above) | 38.1 | 0.09 | 38.1 | 1,100 |
| 165-ED-1 | 2015/09/15 | Exterior of painted metal exhaust air grating, SE | HVAC - Exhaust | 281 | 0.09 | 281 | 220 |
| 165-ED-2 | 2015/09/16 | Exterior of supply air vent - light fixture, SW | HVAC - Supply | 6.3 | 0.09 | 6.3 | 220 |
| 165-ID-1 | 2015/09/15 | Interior unpainted metal exhaust air duct above grating, SE | HVAC - Exhaust | 83.6 | 0.09 | 83.6 | 1,100 |
| Room 166 | | | | | | | |
| 166-F-1 | 2015/09/14 | Central - linoleum sheet | Floor | 40.0 | 0.09 | 40.0 | 220 |
| 166-C-1 | 2015/09/15 | E central - lay-in 2x4' acoustical ceiling tile | Ceiling | 3.8 | 0.09 | 3.8 | 220 |
| 166-W-1 | 2015/09/14 | W wall - painted drywall | Wall | 70.3 | 0.09 | 70.3 | 220 |
| 166-S-1 | 2015/09/14 | Top - shelf, SE | Horizontal | 12.9 | 0.09 | 12.9 | 220 |
| 166-TD-1 | 2015/09/15 | Ceiling chase - top of unpainted exhaust air duct, SW | Duct (above ceiling) | 183 | 0.09 | 183 | 1,100 |
| 166-ED-1 | 2015/09/15 | Exterior of painted metal exhaust air grating, Central | HVAC - Exhaust | 13.4 | 0.09 | 13.4 | 220 |
| 166-ID-1 | 2015/09/15 | Interior unpainted metal exhaust air duct above grating, Central | HVAC - Exhaust | 54.6 | 0.09 | 54.6 | 1,100 |
| Room 167 | | | | | | | |
| 167-F-1 | 2015/09/14 | Central - linoleum sheet | Floor | <2.0 | 0.09 | <2.0 | 220 |
| 167-C-1 | 2015/09/14 | Central - painted drywall | Ceiling | 75.7 | 0.09 | 75.7 | 220 |
| 167-W-1 | 2015/09/14 | S wall - ceramic tile | Wall | <2.0 | 0.09 | <2.0 | 220 |
| 167-S-1 | 2015/09/14 | Top - counter, S | Horizontal | 3.1 | 0.09 | 3.1 | 220 |
| 167-TC-1 | 2015/09/14 | Ceiling chase adjacent hallway - top of lay-in 2x4' acoustical ceiling tile | Ceiling (above) | 35.6 | 0.09 | 35.6 | 1,100 |
| 167-ED-1 | 2015/09/14 | Exterior of unpainted metal exhaust air grating, NE | HVAC - Exhaust | 48.5 | 0.04 | 109 | 220 |
| 167-ED-2 | 2015/09/16 | Exterior of unpainted metal supply air grating, NE | HVAC - Supply | 2.7 | 0.04 | 6.1 | 220 |
| 167-ID-1 | 2015/09/14 | Interior unpainted metal exhaust air duct above grating, NE | HVAC - Exhaust | 84.1 | 0.09 | 84.1 | 1,100 |
| Room 168 | | | | | | | |
| 168-F-1 | 2015/09/14 | S - linoleum sheet | Floor | 4.3 | 0.09 | 4.3 | 220 |
| 168-C-1 | 2015/09/14 | S - painted drywall | Ceiling | 6.3 | 0.09 | 6.3 | 220 |
| 168-W-1 | 2015/09/14 | S wall - ceramic tile | Wall | 2.1 | 0.09 | 2.1 | 220 |
| 168-S-1 | 2015/09/14 | Top - counter surface, SE | Horizontal | 2.5 | 0.09 | 2.5 | 220 |
| 168-TD-1 | 2015/09/14 | Ceiling chase adjacent hallway - top of unpainted metal exhaust air duct, NW | Duct (above ceiling) | 150 | 0.09 | 150 | 1,100 |
| 168-ED-1 | 2015/09/14 | Exterior of unpainted metal exhaust air grating, Central | HVAC - Exhaust | 32.0 | 0.04 | 72.0 | 220 |
| 168-ID-1 | 2015/09/14 | Interior of unpainted metal exhaust air duct above grating, Central | HVAC - Exhaust | 38.7 | 0.09 | 38.7 | 1,100 |
| Room 173/183 | | | | | | | |
| 173-F-1 | 2015/09/14 | Central - carpet | Floor | <2.0 | 0.09 | <2.0 | 1,100 |
| 173-F-2 | 2015/09/14 | W - carpet | Floor | <2.0 | 0.09 | <2.0 | 1,100 |
| 173-C-1 | 2015/09/15 | Central - lay-in 2x4' acoustical ceiling tile | Ceiling | 4.8 | 0.09 | 4.8 | 220 |
| 173-C-2 | 2015/09/15 | SE - lay-in 2x4' acoustical ceiling tile | Ceiling | 5.8 | 0.09 | 5.8 | 220 |
| 173-W-1 | 2015/09/14 | N wall - painted drywall | Wall | <2.0 | 0.09 | <2.0 | 220 |
| 173-W-2 | 2015/09/14 | W wall - painted drywall | Wall | <2.0 | 0.09 | <2.0 | 220 |
| 173-W-3 | 2015/09/14 | S wall - painted drywall | Wall | <2.0 | 0.09 | <2.0 | 220 |
| 173-W-4 | 2015/09/14 | E wall - painted drywall | Wall | <2.0 | 0.09 | <2.0 | 220 |
| 173-S-1 | 2015/09/14 | Top - desk, W central | Horizontal | <2.0 | 0.09 | <2.0 | 220 |
| 173-S-2 | 2015/09/14 | Top - desk, W | Horizontal | <2.0 | 0.09 | <2.0 | 220 |
| 173-TC-1 | 2015/09/15 | Ceiling chase - top of lay-in 2x4' acoustical ceiling tile, Central | Ceiling (above) | 3.4 | 0.09 | 3.4 | 1,100 |
| 173-TD-1 | 2015/09/15 | Ceiling chase - top of unpainted metal exhaust air duct, SE | Duct (above ceiling) | 409 | 0.09 | 409 | 1,100 |
| 173-ED-1 | 2015/09/15 | Exterior of painted metal exhaust air grating, Central | HVAC - Exhaust | 3.4 | 0.09 | 3.4 | 220 |
| 173-ED-2 | 2015/09/15 | Exterior of supply air vent - light fixture, SE | HVAC - Supply | 5.8 | 0.04 | 13.1 | 220 |
| 173-ID-1 | 2015/09/15 | Interior unpainted metal exhaust air duct above grating, Central | HVAC - Exhaust | 19.7 | 0.05 | 35.5 | 1,100 |
| 173-ID-2 | 2015/09/15 | Interior unpainted metal supply air diffuser at light fixture, SE | HVAC - Supply | 10.9 | 0.04 | 24.5 | 1,100 |
| Basement Mechanical Area | | | | | | | |
| CS-HVAC-1 | 2015/08/05 | Interior exhaust air duct from Room 151 - pre-filter, galvanized metal | Duct - HVAC | 55,300 | 0.09 | 55,300 | 1,100 |
| CS-HVAC-2 | 2015/08/05 | Interior exhaust air duct from Room 151 - post-filter, galvanized metal | Duct - HVAC | 4,850 | 0.09 | 4,850 | 1,100 |
| CS-ED-1 | 2015/09/16 | Exterior exhaust air relief vent from main exhaust duct - metal louvre | HVAC - Exhaust | 2,470 | 0.075 | 2,964 | 1,100 |
| CS-ID-3 | 2015/09/15 | Interior supply air duct to Room 151 - pre-filter, galvanized metal | HVAC - Supply | 803 | 0.09 | 803 | 1,100 |
| CS-ID-4 | 2015/09/15 | Interior supply air duct to Room 151 - post-filter, galvanized metal | HVAC - Supply | 212 | 0.09 | 212 | 1,100 |
| CS-CV-CAN-3 | 2015/09/16 | Intake tube - W of Hall, Rooms 146-161, 225-242 - Canister 3 | Central Vac | 62.7 | 0.03 | 188 | 1,100 |
| CS-CV-CAN-1 | 2015/09/16 | Intake tube - 1st Floor - East of Hallway - Canister 1 | Central Vac | 52.8 | 0.015 | 317 | 1,100 |
| CS-CV-CAN-3-E | 2015/09/16 | Exterior exhaust from central vac - Canister 3 | Central Vac | 14.6 | 0.015 | 87.6 | 220 |
| CS-CV-CAN-3-I | 2015/09/16 | Interior central vac - post-filter bag - Canister 3 | Central Vac | 3,220 | 0.094 | 3,083 | 1,100 |
| Roof | | | | | | | |
| Roof-ED-1 | 2015/09/16 | Exterior of stainless exhaust air vent stack, 3rd from SW | HVAC - Exhaust | 15.9 | 0.09 | 15.9 | 1,100 |
| Roof-ID-1 | 2015/09/16 | Interior stainless exhaust vent stack, 3rd from SW | HVAC - Exhaust | 4.4 | 0.09 | 4.4 | 1,100 |
| Quality Assurance/Quality Control | | | | | | | |
| BLANK | 2015/08/05 | Blank wipe sample | Blank | < 2.0 | N/A | < 2.0 | N/A |
| TB-SD | 2015/09/14 | Travel Blank | Blank | <2.0 | N/A | <2.0 | N/A |
| MD-TB | 2015/09/16 | Travel Blank | Blank | < 2.0 | N/A | < 2.0 | N/A |
| EB-1 | 2015/09/15 | Equipment Blank | Blank | 3.0 | N/A | 3.0 | N/A |
| EB-2 | 2015/09/17 | Equipment Blank | Blank | < 2.0 | N/A | < 2.0 | N/A |

Notes:

1. All concentrations expressed in micrograms (ug) per square foot (ft²) or per 0.09 square metres (m²) as noted.
2. The symbol < indicates a concentration less than the laboratory method detection limit.
3. Lead Abatement Guideline = Development of Screening Guidelines for Lead in Dust - RCMP Lab Building, 6101 Dewdney Avenue, Regina SK (Millennium EMS Solutions Ltd.).
4. A black shaded cell indicates the lead concentration exceeds the decontamination guideline. A coloured shaded cell indicates the lead concentration may exceed guidelines if renovations are performed.