

**APPENDIX B -  
LEED CANADA – NC 2009  
PROJECT CHECK LIST AND TEMPLATES**



# LEED Canada-NC 2009 Project Checklist

*MCTS and C&P Building - Placentia, NL*

Yes ? No

56	3	51	<b>Project Totals</b> (pre-certification estimates)	110 Possible Points
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Certified 40-49 points Silver 50-59 points Gold 60-79 points Platinum 80 points and above

Yes ? No

12	0	14	<b>Sustainable Sites</b>	26 Points
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✓			<b>Prereq 1 Construction Activity Pollution Prevention - CONTRACTOR</b>	<b>Required</b>
1			Credit 1 <b>Site Selection</b>	1
		5	Credit 2 <b>Development Density and Community Connectivity</b>	3, 5
		1	Credit 3 <b>Brownfield Redevelopment</b>	1
		6	Credit 4.1 <b>Alternative Transportation: Public Transportation Access</b>	3, 6
1			Credit 4.2 <b>Alternative Transportation: Bicycle Storage &amp; Changing Rooms</b>	1
3			Credit 4.3 <b>Alternative Transportation: Low-Emitting &amp; Fuel-Efficient Vehicles</b>	3
2			Credit 4.4 <b>Alternative Transportation: Parking Capacity</b>	2
1			Credit 5.1 <b>Site Development: Protect and Restore habitat</b>	1
1			Credit 5.2 <b>Site Development: Maximize Open Space</b>	1
		1	Credit 6.1 <b>Stormwater Design: Quantity Control</b>	1
1			Credit 6.2 <b>Stormwater Design: Quality Control</b>	1
		1	Credit 7.1 <b>Heat Island Effect: Non-Roof</b>	1
1			Credit 7.2 <b>Heat Island Effect: Roof</b>	1
1			Credit 8 <b>Light Pollution Reduction</b>	1

Yes ? No

7	0	3	<b>Water Efficiency</b>	10 Points
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✓			<b>Prereq 1 Water Use Reduction</b>	<b>Required</b>
4			Credit 1 <b>Water Efficient Landscaping</b>	2, 4
		2	Credit 2 <b>Innovative Wastewater Technologies</b>	2
3		1	Credit 3 <b>Water Use Reduction</b>	2 - 4

Yes ? No

9	3	23	<b>Energy &amp; Atmosphere</b>	35 Points
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✓			<b>Prereq 1 Fundamental Commissioning of Building Energy Systems</b>	<b>Required</b>
✓			<b>Prereq 2 Minimum Energy Performance</b>	<b>Required</b>
✓			<b>Prereq 3 Fundamental Refrigerant Management</b>	<b>Required</b>
6	1	12	Credit 1 <b>Optimize Energy Performance</b>	1 - 19
		7	Credit 2 <b>On-Site Renewable Energy</b>	1 - 7
		2	Credit 3 <b>Enhanced Commissioning</b>	2
		2	Credit 4 <b>Enhanced Refrigerant Management</b>	2
3			Credit 5 <b>Measurement and Verification</b>	3
	2		Credit 6 <b>Green Power</b>	2

8	0	6
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## 14 Points

Prereq 1	Storage and Collection of Recyclables	Required
Credit 1.1	Building Reuse: Maintain Existing Walls, Floors, and Roof	1 - 3
Credit 1.2	Building Reuse: Maintain Interior Non-Structural Elements	1
Credit 2	Construction Waste Management - CONTRACTOR	1 - 2
Credit 3	Materials Reuse	1 - 2
Credit 4	Recycled Content - CONTRACTOR	1 - 2
Credit 5	Regional Materials - CONTRACTOR	1 - 2
Credit 6	Rapidly Renewable Materials - CONTRACTOR	1
Credit 7	Certified Wood - CONTRACTOR	1

11	0	4
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## 15 Points

Prereq 1	Minimum Indoor Air Quality Performance	Required
Prereq 2	Environmental Tobacco Smoke (ETS) Control	Required
Credit 1	Outdoor Air Delivery Monitoring	1
Credit 2	Increased Ventilation	1
Credit 3.1	Construction IAQ Management Plan: During Construction - CONTRACTOR	1
Credit 3.2	Construction IAQ Management Plan: Before Occupancy - CONTRACTOR	1
Credit 4.1	Low-Emitting Materials: Adhesives and Sealants - CONTRACTOR	1
Credit 4.2	Low-Emitting Materials: Paints and Coatings - CONTRACTOR	1
Credit 4.3	Low-Emitting Materials: Flooring Systems - CONTRACTOR	1
Credit 4.4	Low-Emitting Mat.'s: Composite Wood & Agrifibre Prod.s - CONTRACTOR	1
Credit 5	Indoor Chemical and Pollutant Source Control	1
Credit 6.1	Controllability of System: Lighting	1
Credit 6.2	Controllability of System: Thermal Comfort	1
Credit 7.1	Thermal Comfort: Design	1
Credit 7.2	Thermal Comfort: Verification	1
Credit 8.1	Daylight and Views: Daylight	1
Credit 8.2	Daylight and Views: Views	1

6	0	0
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## 6 Points

Credit 1.1	<b>Exemplary Performance - SSc5.2 Site Development: Maximize Open Space</b>	1
Credit 1.2	<b>Exemplary Performance - MRc7 Certified Wood</b>	1
Credit 1.3	<b>Innovation: Reduced Mercury in Lighting</b>	1
Credit 1.4	<b>Innovation: Low Emitting Material: Systems Furniture and Seating</b>	1
Credit 1.5	<b>Innovation: Water Metering (from v4)</b>	1
Credit 2	<b>LEED® Accredited Professional</b>	1

3	0	1
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## 4 Points

Credit 1	<b>Durable Building</b>	<b>1</b>
Credit 2.1	<b>SSc1 - Site Selection</b>	<b>1</b>
Credit 2.2	<b>SSc5.1 - Site Development: Protect and Restore Habitat</b>	<b>1</b>
Credit 2.3	<b>SSc8 - Light Pollution Reduction</b>	<b>1</b>

## LEED Canada for New Construction and Major Renovations 2009

Project Number: 18669  
MCTS Centre - Placentia

### SS Prerequisite 1: CONSTRUCTION ACTIVITY POLLUTION PREVENTION

Please select only **ONE** of the following options:

- ☐ Streamlined Path
- ☐ Full Documentation Path
- ☒ Special Circumstances or Alternative Compliance Path

#### Construction Activity Pollution Prevention

Please select only **ONE** of the following options:

- ☐ **Periodic Inspection:** The builder or general contractor declares that periodic inspection occurred throughout the construction process and provides documentation demonstrating that the erosion and sedimentation control (ESC) plan was carried out appropriately.

Provide the following to support the selected option:

- ☐ A summary, sample log, checklist, inspection report, or similar document is submitted that demonstrates periodic inspection of the implemented measures. This documentation must include:
  - ☐ Sample dates
  - ☐ Inspection frequency (at least monthly, year-round)
  - ☐ At least 3 inspections equally spaced over the site work period
  - ☐ Descriptions of any corrective action taken

OR

- ☐ **Photo submission:** The project team provides date-stamped photos which show the implemented measures and any corrective action that was taken to effectively implement the erosion and sedimentation control (ESC) plan. Include at least 3 photos from at least 3 inspections equally spaced over the site work period. Inspections must occur monthly, at a minimum.

OR

- ☒ **Narrative:** The project team provides a narrative describing erosion and sedimentation control (ESC) plan implementation to describe what action was taken to effectively implement the ESC plan and maintain the erosion and sedimentation control measures.

Please select only **ONE** of the following options:

- ☐ **2003 EPA Construction General Permit:** The project team created and implemented an Erosion and Sedimentation Control (ESC) Plan that conforms to the requirements of the 2003 EPA Construction General Permit. The requirements of the CGP are more stringent than local erosion and sedimentation control standards and codes.

OR

- ☒ **Local Standard and Code:** The project team created and implemented an erosion and sedimentation control (ESC) plan that conforms to local erosion and sedimentation control standards and codes. The local standards and codes are more stringent than the National Pollutant Discharge Elimination System (NPDES) program requirements.

Provide the following to support the selected option:

- ☒ A narrative is provided which describes how the local erosion and sedimentation control standards and codes are equal to or more stringent than the requirements of Phase I and Phase II of the NPDES program.

#### Streamlined Path

Declare that:

- ☐ The erosion and sedimentation control (ESC) plan addresses each of the following objectives:
  - Prevention of soil loss during construction by stormwater runoff, wind erosion
  - Protecting topsoil by stockpiling for reuse
  - Prevention of sedimentation of storm sewers and receiving streams
  - Prevention of pollution of the air with dust and particulate matter

Provide the following to support the selected option:

- ☐ The Licensed Professional Exemption is available to Registered Civil Engineers. Submit details of professional status for the signatory (governing body, registration/licence number, expiration date.)
- ☐ The building location and LEED project boundary described in the plan are consistent with the site plan provided.

Site plan reference:

## Full Documentation Path

Please select only **ONE** of the following options:

- ☐ **ESC Plan:** The written erosion and sedimentation control (ESC) plan and/or specifications describing the relevant erosion and sedimentation control measures implemented by the project team.

OR

- ☐ **Construction drawings:** Construction drawings describing the relevant erosion and sedimentation control measures implemented by the project team.

Drawing reference:

## Special Circumstances or Alternative Compliance Path

Special circumstances preclude documentation of prerequisite compliance with the submittal requirements outlined in this form or the project team is using an alternative compliance path in lieu of standard submittal paths.

Provide the following to support the selected option:

- ☒ A narrative describing the special circumstances or alternative compliance path and any supporting alternate documentation.  
(The narrative must include justification that the prerequisite intent and requirements are met and reference the alternate documentation provided. Non-standard documentation will be considered upon its merits.)

Credit Interpretation Request (CIR) applied to credit:

889

### SS Prerequisite 1: Construction Activity Pollution Prevention

#### Prerequisite Documented

Streamlined Path	NO
Full Documentation	NO
Special Circumstances or Alternative Compliance Path	YES

The signature below constitutes a declaration that the project meets the prerequisite intent and the requirements of the option selected above and that the submitted documents accurately represent the project.

Name:	TBD
Organization:	TBD
Role in project:	Contractor
Signature:	
Date:	





# Credit Interpretation Request

**889 : LEED Canada NC/CS 2009 SSp1 – Alternative Path and Standard / LEED Canada NC/NE 2009 AÉSp1 – Voie alternative et la norme**

**Final Ruling Date** 5/1/2012

**Rating System** LEED Canada for New Construction and Major Renovations Version 2009

**Credit Category** Sustainable Sites (SS) SSp1

## Subject

LEED Canada NC/CS 2009 SSp1 – Alternative Path and Standard / LEED Canada NC/NE 2009 AÉSp1 – Voie alternative et la norme

## Summary Question

Is there an alternative compliance path for projects to meet the intent of LEED Canada NC 2009 (or LEED Canada CS 2009) SSp1 (Construction Activity Pollution Prevention) in place of the Erosion and Sedimentation Control (ESC) plan conforming to the requirements of the 2003 US EPA Construction General Permit, as the process outlined in this document is not applicable in Canada?

\*\*\*\*\*

Est-ce que il y a une méthode de conformité de rechange pour des projets visant à répondre à le but de la condition préalable AÉSp1 (Prévention de la pollution pendant la construction) de LEED Canada NC 2009 (ou LEED Canada NE 2009) à la place du Plan de contrôle de l'érosion et de la sédimentation qui conforme aux exigences du Construction General Permit de 2003 de l'EPA des États-Unis, alors que le processus décrit dans le présent document n'est pas applicable au Canada?

## Context and Arguments

N/A

## Final Ruling

Yes, project teams may instead follow LEED 2009 for Neighbourhood Development (with Canadian Alternate Compliance Paths) Green Infrastructure and Buildings (GIB) Prerequisite 4: Construction Activity Pollution Prevention. This document is available on CaGBC's website under the ND Rating System and the prerequisite is outlined below.

The LEED Canada NC/CS 2009 letter templates can still be used in documenting this prerequisite; however for the declaration, applicants can simply select "Local Standard and Code" and ensure this CIR number is noted on the LEED Letter Template CIR cell (row 112). There is no need to provide a further explanatory narrative, but the supporting submittals must reflect the alternate standard as noted below.

## INTENT

To reduce pollution from construction activities by controlling soil erosion, waterway sedimentation, and airborne dust generation.

## REQUIREMENTS

Create and implement an erosion and sedimentation control plan for all new construction activities associated with the project. The plan must incorporate practices such as phasing, seeding, grading, mulching, filter socks, stabilized site entrances, preservation of existing vegetation, and other best management practices (BMPs) to control erosion and sedimentation in runoff from the entire project site during construction. The plan must list the BMPs employed and describe how they accomplish the following objectives:

- a) Prevent loss of soil during construction by stormwater runoff and/or wind erosion, including but not limited to stockpiling of topsoil for reuse.
- b) Prevent sedimentation of any affected stormwater conveyance systems or receiving streams.
- c) Prevent polluting the air with dust and particulate matter.

The erosion and sedimentation control plan must describe how the project team will do the following:

- a) Preserve vegetation and mark clearing limits.
- b) Establish and delineate construction access.
- c) Control flow rates.
- d) Install sediment controls.
- e) Stabilize soils.
- f) Protect slopes.
- g) Protect drain inlets.
- h) Stabilize channels and outlets.
- i) Control pollutants.
- j) Control dewatering.
- k) Maintain the BMPs.
- l) Manage the erosion and sedimentation control plan.

The BMPs must be selected from the Washington State Department of Ecology's Stormwater Management Manual for Western Washington, Volume II, Construction Stormwater Pollution Prevention (2005 edition), or a locally approved equivalent, whichever is more stringent, and must comply with all federal, state (provincial/territorial), and local erosion and sedimentation control regulations.

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Oui, les équipes de projet peuvent au lieu suivre LEED 2009 pour l'aménagement des quartiers (avec les méthodes de conformité de rechange du Canada) Bâtiments et infrastructures durables, préalable 4 : Prévention de la pollution dans les activités de construction. Ce document est disponible sur le site Web du CBDCA à la page du système d'évaluation de L'aménagement des quartiers et le préalable est décrit ci-dessous.

Les lettres types LEED Canada NC/NE 2009 peuvent toujours être utilisées dans la documentation de cette condition préalable ; mais pour la déclaration, les demandeurs peuvent tout simplement sélectionner "Norme et codes locaux" et noté le numéro de ce DIC sur la lettre type LEED à la ligne 113. Il n'est pas nécessaire de fournir un narratif supplémentaire, mais la documentation soumise doit tenir compte de la norme comme il est indiqué ci-dessous.



**BUT**

Réduire la pollution causée par les activités de construction en contrôlant l'érosion des sols, la sédimentation dans les cours d'eau et la génération de poussière en suspension dans l'air.

**EXIGENCES**

Élaborer et mettre en oeuvre un plan de contrôle de l'érosion et de la sédimentation pour toutes les nouvelles constructions associées au projet. Le plan doit intégrer des pratiques telles que la construction par lots, l'ensemencement, le terrassement, l'utilisation de paillis, les gaines filtrantes, la stabilisation des entrées du site, la préservation de la végétation existante et d'autres pratiques exemplaires de gestion afin de contrôler l'érosion et la sédimentation dues au ruissellement sur toute la superficie du site pendant la construction. Le plan doit indiquer les pratiques exemplaires de gestion utilisées et expliquer comment elles répondent aux objectifs suivants :

- a. Prévenir la perte de sol pendant la construction à cause du ruissellement de l'eau de pluie ou de l'érosion par le vent, y compris, sans s'y limiter, la mise en tas de la couche de terre arable pour permettre sa réutilisation.
- b. Éviter la sédimentation dans tout système de transport des eaux pluviales et dans tout ruisseau collecteur.
- c. Prévenir la pollution de l'air par des poussières et des particules.

Le plan de contrôle de l'érosion et de la sédimentation doit expliquer comment l'équipe de projet réalisera les points suivants :

- a. Préserver la végétation et marquer les limites du défrichage.
- b. Établir et délimiter l'accès au site de construction.
- c. Contrôler les débits.
- d. Installer des mesures de contrôle de la sédimentation.
- e. Stabiliser les sols.
- f. Protéger les pentes.
- g. Protéger les entrées d'égouts pluviaux.
- h. Stabiliser les chenaux et les dégorgeoirs.
- i. Éliminer les polluants.
- j. Contrôler l'assèchement.
- k. Maintenir des pratiques exemplaires.
- l. Gérer le plan de contrôle de l'érosion et de la sédimentation.

Les pratiques exemplaires doivent être choisies dans le manuel du Washington State Department of Ecology, Stormwater Management Manual for Western Washington, Volume II, Construction Stormwater Pollution Prevention (édition de 2005) ou dans un équivalent approuvé localement, en prenant le plus strict des deux. En outre, ces pratiques doivent respecter toutes les réglementations fédérales, de l'État (provinciales / territoriales) et municipales de contrôle de l'érosion et de la sédimentation.

**Additional Applicable Credits**

Rating System	Version	Prerequisite/Credit
LEED Canada for Core and Shell Development	2009	SSp1





Total quantity of waste taken offsite:  
Percentage of waste diverted:

0 [cubic metres]  
0

### Special Circumstances or Alternative Compliance Path

**\*\*Select Option\*\***

Special circumstances preclude documentation of credit compliance with the submittal requirements outlined in this form or the project team is using an alternative compliance path in lieu of standard submittal paths.

Provide the following to support the selected option:

- ☐ A narrative describing the special circumstances or alternative compliance path and any supporting alternate documentation.  
(The narrative must include justification that the credit intent and requirements are met and reference the alternate documentation provided.  
Non-standard documentation will be considered upon its merits.)

### Credit Interpretation Request (CIR) applied to credit:

### MR Credit 2: Construction Waste Management

**Points Documented**

Standard Compliance Path ( Recycled or Salvaged  $\geq$  50%, 75%)

0

Special Circumstances or Alternative Compliance Path \*\*select option\*\*

0

The signature below constitutes a declaration that the project meets the credit intent and the requirements of the option selected above and that the submitted documents accurately represent the project.

Name: TBD

Organization: TBD

Role in project: Contractor

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

Date: \_\_\_\_\_



Special circumstances preclude documentation of credit compliance with the submittal requirements outlined in this form or the project team is using an alternative compliance path in lieu of standard submittal paths.

Provide the following to support the selected option:

- ☐ A narrative describing the special circumstances or alternative compliance path and any supporting alternate documentation.  
(The narrative must include justification that the credit intent and requirements are met and reference the alternate documentation provided.  
Non-standard documentation will be considered upon its merits.)

**Credit Interpretation Request (CIR) applied to credit:**

**MR Credit 4: Recycled Content**

**Points Documented**

Standard Compliance Path (Recycled Content  $\geq$  10%, 20%)  
Special Circumstances or Alternative Compliance Path (1 point)

0  
0

The Signature below constitutes a declaration that the project meets the credit intent and the requirements of the option selected above and that the submitted documents accurately represent the project.

Name: TBD  
Organization: TBD  
Role in project: Contractor  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_







The signature below constitutes a declaration that the project meets the credit intent and the requirements of the option selected above and that the submitted documents accurately represent the project.

Name:	TBD
Organization:	TBD
Role in project:	Contractor
Signature:	
Date:	



The signature below constitutes a declaration that the project meets the credit intent and the requirements of the option selected above and that the submitted documents accurately represent the project.

Name:	TBD
Organization:	TBD
Role in project:	Contractor
Signature:	
Date:	



Special circumstances preclude documentation of credit compliance with the submittal requirements outlined in this form or the project team is using an alternative compliance path in lieu of standard submittal paths.

Provide the following to support the selected option:

- ☐ A narrative describing the special circumstances or alternative compliance path and any supporting alternate documentation.  
(The narrative must include justification that the credit intent and requirements are met and reference the alternate documentation provided.  
Non-standard documentation will be considered upon its merits.)

**Credit Interpretation Request (CIR) applied to credit:**

**MR Credit 7: CERTIFIED WOOD**

**Points Documented**

Standard Compliance Path (1 point)	0
Special Circumstances or Alternative Compliance Path (1 point)	0

The signature below constitutes a declaration that the project meets the credit intent and the requirements of the option selected above and that the submitted documents accurately represent the project.

Name:	TBD
Organization:	TBD
Role in project:	Contractor
Signature:	
Date:	

## LEED Canada for New Construction and Major Renovations 2009

Project Number: 18669  
MCTS Centre - Placentia

### IEQ Credit 3.1: CONSTRUCTION IAQ MANAGEMENT PLAN - DURING CONSTRUCTION

Please select only **ONE** of the following options:

- ☒ **Air Handling Units were not operated**  
Permanently installed air handling units were not operated during construction.
- ☐ **Operating Air Handling Units**  
Permanently installed air handling units were operated during construction.
- ☐ **Special Circumstances or Alternative Compliance Path**

Air Handling Units were not operated

(1 Point)

Declare that:

- ☒ An Indoor Air Quality (IAQ) Management Plan was developed and implemented at the project building. The plan addresses IAQ during construction, and meets SMACNA IAQ Guidelines For Occupied Buildings Under Construction, 2nd Edition 2007, ANSI/SMACNA 008-2008 (Chapter 3).

Provide the following to support the selected option:

- ☒ IAQ Management Plan, highlighting management practices to be implemented during construction, including protection of stored on-site and installed absorptive materials from moisture damage.
- ☒ 18 photographs documenting IAQ performance during construction with date and time stamp. Include representative photos of all methods and at least 2 time periods must be included.

Table: Filtration Media for all permanently installed air handling units that were operated during construction.

Location of Permanently Installed Air Handling Unit (AHU)	Filter Manufacturer	Filter Identification (Model Number)	Filter MERV Rating (During Construction)	Pre-Occupancy Replacement Date	Replacement Filter MERV Rating (Post Construction)

Occupancy date:

#### Special Circumstances or Alternative Compliance Path

(1 Point)

Special circumstances preclude documentation of credit compliance with the submittal requirements outlined in this form or the project team is using an alternative compliance path in lieu of standard submittal paths.

Provide the following to support the selected option:

- ☐ A narrative describing the special circumstances or alternative compliance path and any supporting alternate documentation. (The narrative must include justification that the credit intent and requirements are met and reference the alternate documentation provided.)

Non-standard documentation will be considered upon its merits.)

**Credit Interpretation Request (CIR) applied to credit:**

**IEQ Credit 3.1: Construction IAQ Management Plan - During Construction**

**Points Documented**

Air Handling Units were not operated (1 point)	1
Operating Air Handling Units (1 point)	0
Special Circumstances or Alternative Compliance Path (1 point)	0

The signature below constitutes a declaration that the project meets the credit intent and the requirements of the option selected above and that the submitted documents accurately represent the project.

Name: TBD

Organization: TBD

Role in project: Contractor

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

Date: \_\_\_\_\_



## LEED Canada for New Construction and Major Renovations 2009

Project Number: 18669  
MCTS Centre - Placentia

### IEQ Credit 3.2: CONSTRUCTION IAQ MANAGEMENT PLAN - BEFORE OCCUPANCY

Please select only **ONE** of the following options:

- ☐ **OPTION 1. (PATH 1): Flush-Out Prior to Occupancy**  
Flush-out was completed prior to occupancy.
- ☐ **OPTION 1. (PATH 2): Occupancy Prior to Completion of Flush-out**  
Flush-out was completed overlapping with occupancy.
- ☒ **OPTION 2: Air Testing**  
IAQ testing prior to occupancy.
- ☐ **Special Circumstances or Alternative Compliance Path**

#### OPTION 2: Air Testing

(1 Point)

Declare that:

- ☒ An Indoor Air Quality (IAQ) Management Plan was developed and implemented for the project after all finishes were installed.
- ☒ The IAQ plan contains language highlighting post-construction IAQ management practices implemented for the project.

Provide the following to support the selected option:

Occupancy Date:

#### OPTION 1. (PATH 1): Flush-Out Prior to Occupancy

Declare that:

- ☐ A building flush-out was conducted prior to occupancy, with installation of new filtration media before the flush; and providing a total outdoor air volume of 4,300m<sup>3</sup> per m<sup>2</sup> of floor area (14,000 ft<sup>3</sup> of outdoor air per ft<sup>2</sup> of floor area), while maintaining an internal temperature of at least 16 degC (60 degF) and relative humidity no higher than 60%.

Provide the following to support the selected option:

- ☐ A narrative describing the building flush-out procedure.

**Table: Pre Occupancy Flush-out**

Flush-out start date	
Flush-out end date	
Total Volume of Flush Air ( $\geq 4,300\text{m}^3/\text{m}^2$ floor area)	
Internal Building Temperature (minimum)	
Internal Building Relative Humidity (maximum)	

#### OPTION 1. (PATH 2): Occupancy Prior to Completion of Flush-out

Declare that:

- ☐ After construction, a building flush-out was completed before and during occupancy, that included:
- installation of new filtration media (unless the system is configured to filter only outdoor air);
  - occupying spaces only after delivery of at least 1,075m<sup>3</sup> of outdoor air per m<sup>2</sup> of floor area (3,530 ft<sup>3</sup> of outdoor air per ft<sup>2</sup> of floor area);
  - during occupancy, providing the greater of 1.54 L/s per m<sup>2</sup> (0.30 cfm/ft<sup>2</sup>) of outdoor air or the design minimum outdoor air rate;
  - during each day of the flush-out period, starting ventilation at least three hours prior to occupancy;
  - maintaining the flush-out schedule until at least 4,300 m<sup>3</sup> per m<sup>2</sup> of floor area (14,000 ft<sup>3</sup> of outdoor air per ft<sup>2</sup> of floor area) of outdoor air was provided.

Provide the following to support the selected option:

- ☐ A narrative describing the building flush-out procedure.

**Table: Early Occupancy Flush-out**

Flush-out start date	
Flush-out end date	
Pre-occupancy flush air volume ( $\geq 1075 \text{ m}^3/\text{m}^2$ floor area)	
Post-occupancy flush air volume	
Total Volume of Flush Air ( $\geq 4,300 \text{ m}^3/\text{m}^2$ floor area)	0
Internal Building Temperature	
Internal Building Relative Humidity	

## OPTION 2: Air Testing

Declare that:

- ☒ After construction ended and prior to occupancy, baseline IAQ testing was conducted using testing protocols consistent with the United States Environmental Protection Agency Compendium of Methods for the Determination of Air Pollutants in Indoor Air.

Provide the following to support the selected option:

- ☒ A narrative describing the IAQ testing procedures, test date(s) and scope, sampling locations with respect to floor area, size, and ventilation system, and (as applicable) any corrective measures implemented or project-specific special considerations.
- ☒ A copy of the IAQ testing results highlighting the testing date(s) and concentrations of each of the following contaminants:
- Formaldehyde
  - Particulates (PM10)
  - Total Volatile Organic Compounds (TVOC)
  - 4-Phenylcyclohexene (4-PHC)
  - Carbon Monoxide
- Note: testing for 4-PHC is only required if carpets and fabrics with styrene butadiene rubber (SBR) latex backing material are installed as a part of the base building systems.

## Special Circumstances or Alternative Compliance Path

(1 Point)

Special circumstances preclude documentation of credit compliance with the submittal requirements outlined in this form or the project team is using an alternative compliance path in lieu of standard submittal paths.

Provide the following to support the selected option:

- ☐ A narrative describing the special circumstances or alternative compliance path and any supporting alternate documentation. (The narrative must include justification that the credit intent and requirements are met and reference the alternate documentation provided. Non-standard documentation will be considered upon its merits.)

## Credit Interpretation Request (CIR) applied to credit:

## IEQ Credit 3.2: Construction IAQ Management Plan - Before Occupancy

Points Documented

OPTION 1 (PATH 1): Flush-out Prior to Occupancy (1 point)	0
OPTION 1 (PATH 2): Occupancy Prior to Completion of Flush-out (1 point)	0
OPTION 2: Air Testing (1 point)	0
Special Circumstances or Alternative Compliance Path (1 point)	0

The signature below constitutes a declaration that the project meets the credit intent and the requirements of the option selected above and that the submitted documents accurately represent the project.

Name: TBD

Organization: TBD

Role in project: Contractor

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

Date: \_\_\_\_\_







**Organization:**

TBD

**Role in project:**

Contractor

**Signature:**

**Date:**







Standard Compliance Path (1 point)  
Special Circumstances or Alternative Compliance Path (1 point)

0  
0

The signature below constitutes a declaration that the project meets the credit intent and the requirements of the option selected above and that the submitted documents accurately represent the project.

Name: \_\_\_\_\_ TBD \_\_\_\_\_  
Organization: \_\_\_\_\_ TBD \_\_\_\_\_  
Role in project: \_\_\_\_\_ Contractor \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

**LEED Canada for New Construction and Major Renovations 2009**

Project Number: 18669  
MCTS Centre - Placentia

**IEQ Credit 4.4: LOW-EMITTING MATERIALS - COMPOSITE WOOD & AGRIFIBRE PRODUCTS**

Please select only **ONE** of the following options:

- ☒ **Standard Compliance Path**
- ☐ **Special Circumstances or Alternative Compliance Path**

**Standard Compliance Path**

(1 Point)

Declare that:

- ☒ Documentation (manufacturer datasheet or MSDS) has been retained to verify the values in the table and will be submitted, if requested, for specific items as a data check.

Please complete this table to support declaration.

**Table: Composite Wood and Agrifibre Products, and Laminating Adhesives**

Product Name	Product Manufacturer	Application / Use (e.g., millwork)	No Added UF Data Source (e.g., MSDS)

**Special Circumstances or Alternative Compliance Path**

(1 Point)

Special circumstances preclude documentation of credit compliance with the submittal requirements outlined in this form or the project team is using an alternative compliance path in lieu of standard submittal paths.

Provide the following to support the selected option:

- ☐ A narrative describing the special circumstances or alternative compliance path and any supporting alternate documentation. (The narrative must include justification that the credit intent and requirements are met and reference the alternate documentation provided. Non-standard documentation will be considered upon its merits.)

**Credit Interpretation Request (CIR) applied to credit:**

**IEQ Credit 4.4: Low-Emitting Materials - Composite Wood & Agrifibre Products****Points Documented**

Standard Compliance Path (1 point)

0

Special Circumstances or Alternative Compliance Path (1 point)

0

The signature below constitutes a declaration that the project meets the credit intent and the requirements of the option selected above and that the submitted documents accurately represent the project.

Name:

TBD

Organization:

TBD

Role in project:

Contractor

Signature:

Date: