



CERTIFICATE OF COMPLIANCE
(Pursuant to Section 53 of the *Environmental Management Act*)

THIS IS TO CERTIFY that as of the date indicated below, the site identified in Schedule A of this Certificate of Compliance has been satisfactorily remediated to meet the applicable Contaminated Sites Regulation remediation standards.

This Certificate of Compliance is qualified by the requirements and conditions specified in Schedule B.

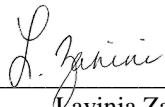
The substances for which remediation has been satisfactorily completed and for which this Certificate of Compliance is valid are listed in Schedule C.

I have issued this Certificate of Compliance based on a review of relevant information including the documents listed in Schedule D. I, however, make no representation or warranty as to the accuracy or completeness of that information.

A Director may rescind this Certificate of Compliance if requirements and conditions imposed in the Certificate of Compliance are not complied with or any fees payable under Part 4 of the Act or regulations are outstanding.

This Certificate of Compliance should not be construed as an assurance that there are no hazards present at the site.

May 1, 2019
Date Issued


Lavinia Zanini, P.Ge.
For Director, *Environmental Management Act*

Schedule A

The site covered by this Certificate of Compliance is located at 11015 100th Street, Fort St. John, British Columbia which is more particularly known and described as:

That Part of the Northwest 1/4 of Section 6, Township 84, Range 18, West of the Sixth Meridian, Peace River District as shown on Plan Annexed to 47404M, Except Plan 17564
PID: 013-185-543

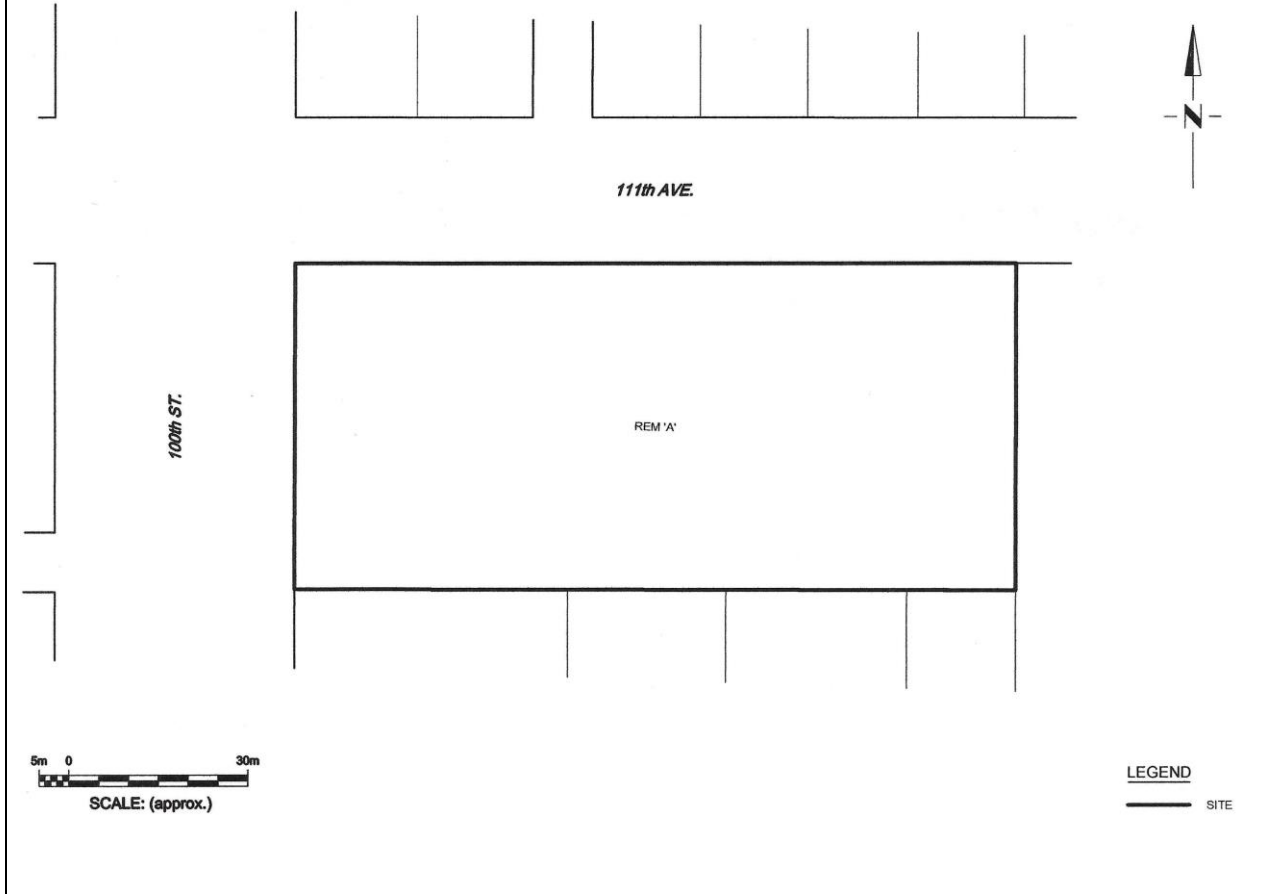
The approximate centre of the site using the NAD (North American Datum) 1983 convention is:

Latitude: 56° 15' 21.8"
Longitude: 120° 50' 46.9"

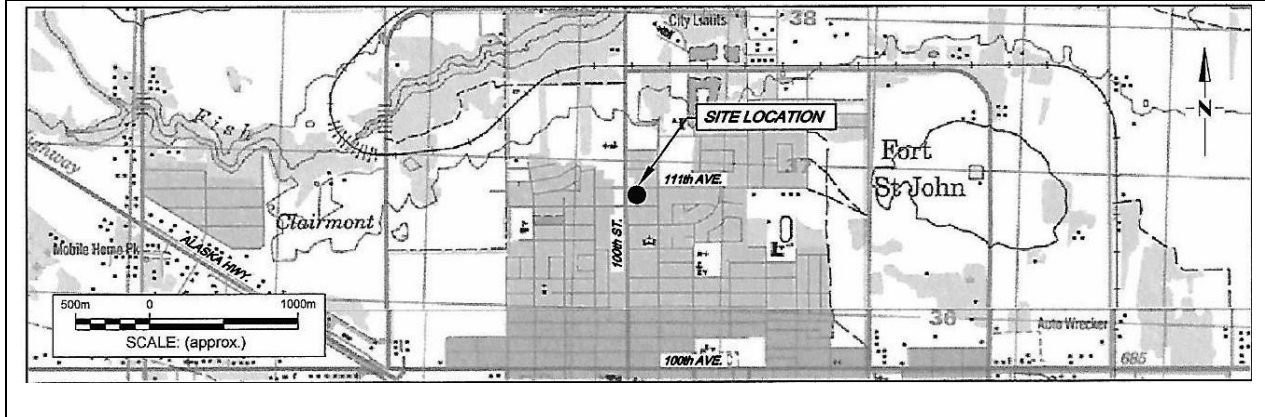
May 1, 2019
Date Issued


Lavinia Zanini, P.Ge.
For Director, *Environmental Management Act*

Site Plan, Fort St. John, BC



Location Map, Fort St. John, BC



April 30, 2019
Date Issued


Lavinia Zanini, P.Geo.
For Director, Environmental Management Act

Schedule B

Requirements and Conditions

1. Any changes in land, vapour or water use must be promptly identified by the responsible person<s> in a written submission to the Director. An application for an amendment or new Certificate of Compliance may be necessary. The use<s> to which this condition applies are described in Schedule C and in the site investigation documents listed in Schedule D.

The documents listed in Schedule D indicate that vapour attenuation factors were applied to meet Contaminated Sites Regulation numerical standards at and adjacent to the site. These vapour attenuation factors were selected based on assumptions about the structures, locations and depths of buildings existing or expected at and adjacent to the site. These assumptions include the following:

- a) Future buildings at the site must be of slab-on-grade construction.

Any inconsistencies that arise between the structures, locations and depths of proposed or constructed buildings at or adjacent to the site and the range of structures, locations and depths of buildings assumed in the selection of vapour attenuation factors in the documents listed in Schedule D must be promptly identified by the responsible person<s> in a written submission to the Director. An application for an amendment or new Certificate of Compliance may be necessary.

2. The principal risk controls which must be present or implemented and must be maintained at the site include the following:
 - a) Groundwater must not be used for drinking water.
 - b) Deep rooting vegetation must be prevented from growing.
3. If requested by the Director, the responsible person<s> must provide a signed statement indicating whether the principal risk controls listed in clause 2 of this Schedule have been and continue to be met. This may include providing a signed statement by an Approved Professional.
4. Performance verification must be undertaken as specified in the Performance Verification Plan listed in Schedule D or as specified in a modification of the plan approved by the Director.

April 30, 2019
Date Issued


Lavinia Zanini, P.Geol.
For Director, *Environmental Management Act*

Schedule C

Substances and Uses

Substances remediated in soil for commercial land soil use:

To meet risk-based remediation standards:

Benzene (CAS # 71-43-2)
Cobalt (CAS # 7440-48-4)
Ethylbenzene (CAS # 100-41-4)
LEPHs (No CAS #)
Naphthalene (CAS # 91-20-3)
Toluene (CAS # 108-88-3)
VPHs (No CAS #)
Xylenes (CAS # 1330-20-7)

Substances remediated in water for drinking water use:

To meet risk-based remediation standards:

Arsenic (CAS # 7440-38-2)
Benzene (CAS # 71-43-2)
Benzo(a)anthracene (CAS # 56-55-3)
Cobalt (CAS # 7440-48-4)
Dibromoethane, 1,2- (CAS # 106-93-4)
Dichloroethane, 1,2- (CAS # 107-06-2)
Dichloromethane (CAS # 75-09-2)
Dichloropropane, 1,2- (CAS # 78-87-5)
EPH_{w10-19} (No CAS #)
Ethylbenzene (CAS # 100-41-4)
Fluorene (CAS # 86-73-7)
Lead (CAS # 7439-92-1)
Methylnaphthalene, 2- (CAS # 91-57-6)
Naphthalene (CAS # 91-20-3)
Quinoline (CAS # 91-22-5)
Selenium (CAS # 7782-49-2)
Tetrachloroethane, 1,1,2,2- (CAS # 79-34-5)
Toluene (CAS # 108-88-3)
VH_{w6-10} (No CAS #)
Xylenes, total (CAS # 1330-20-7)

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Schedule D

Documents

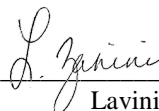
Document Title	Author / Company	Document Date
<i>Administrative Guidance 11 Memorandum – 11015 100th Street, Fort St John</i>	Core6 Environmental Ltd.	March 25, 2019
<i>Performance Verification Plan</i>	Core6 Environmental Ltd.	February 14, 2019
<i>Summary of Site Conditions – 11015 100th Street, Fort St. John</i>	Core6 Environmental Ltd.	February 8, 2019
<i>Human Health & Ecological Risk Assessment 11015 100th Street, Fort St. John, British Columbia</i>	Core6 Environmental Ltd.	February, 2019
<i>Stage 1 Preliminary Site Investigation and Detailed Site Investigation 11015 100th Street, Fort St. John, BC</i>	Core6 Environmental Ltd.	February, 2019
<i>Re: Application for Determination of Local Background Concentration for Dissolved Cobalt, Lithium and Selenium Concentrations in Groundwater, 11015 – 100th Street, Fort St. John, British Columbia</i>	British Columbia Ministry of Environment and Climate Change Strategy	June 14, 2018
<i>Re: Protocol 6 Approval Application Not to Delineate Groundwater Contamination - 11015 100th Street, Fort St. John, BC.</i>	British Columbia Ministry of Environment and Climate Change Strategy	May 15, 2018
<i>Re: Request for Director's decision for background arsenic in soil under Contaminated Sites Regulation (CSR) Protocol 4, at 11015 100th Street, in Fort St. John, BC.</i>	British Columbia Ministry of Environment	April 16, 2018
<i>Re: Application for Determination of Local Background Concentration for Dissolved Sodium, Magnesium, Sulphate and Uranium Concentrations in Groundwater, 11015 – 100th Street, Fort St. John, British Columbia</i>	British Columbia Ministry of Environment	October 12, 2016
<i>Draft Stage 2 Preliminary Site Investigations and Detailed Site Investigation. 11015 100th Street, Fort St. John, British Columbia. File 14-211-EFJ.</i>	Nichols Environmental (Canada) Ltd.	March 27, 2015
<i>Site Transition Form. Former Shell Bulk Plant at 11015 100th Street, Fort St. John, BC.</i>	SNC Lavalin Environment Inc.	October 30, 2013

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<i>Soil, Water and Soil Vapour Investigation Results. Former Shell Bulk Plant at 11015 100th Street, Fort St. John, BC (LC: P00102).</i>	SNC Lavalin Environment Inc.	April 15, 2013
<i>Site Investigations and Remedial Activities Summary Report. Former Shell Bulk Plant at 11015 100th Street, Fort St. John, BC (LC: P00102).</i>	SNC Lavalin Environment Inc.	July 4, 2011
<i>Stage 1 Preliminary Site Investigation. Former Shell Bulk Plant. 11015 100th Street, Fort St. John, BC (LC: P00102).</i>	SNC Lavalin Environment Inc.	September 22, 2008
<i>Former Shell Agency Site, Fort St. John, BC (LC: P00102) Summary of Excavation/ Biocell Construction Activities, 2003 Field Season. Project V0-034.</i>	Morrow Environmental Consultants Inc.	December 5, 2003
<i>Additional Drilling Investigation. Shell Outlet NO. P00102, 11015 100 Street, Fort St. John, British Columbia. Seacor Job No. 201.00571.004</i>	Seacor Environmental Engineering Inc.	December 10, 1999
<i>Stage 1 and 2 Preliminary Site Investigation. Shell Outlet NO. P00102, 11015 100 Street, Fort St. John, British Columbia. Seacor Job No. C0041-010-02</i>	Seacor Environmental Engineering Inc.	September 7, 1999
<i>Environmental Site Assessment. Shell Bulk Plant (LC: P00102) 11015 100 Street, Fort St. John, British Columbia. Seacor Job No. C0041-010</i>	Seacor Environmental Engineering Inc.	November 3, 1992

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