



Ministry of
Environment

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 and criteria.

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.

AUG 18 2016

Date Issued

Peter Kickham

For Director, *Environmental Management Act*

Schedule A

The site covered by this Certificate of Compliance is located at 2575 Alaska Highway, Fort Nelson, British Columbia which is more particularly known and described as:

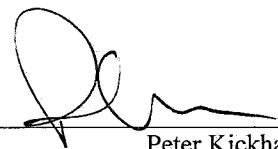
Lot 1, District Lot 1197, Peace River District, Plan PGP46399
PID: 024-930-920

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

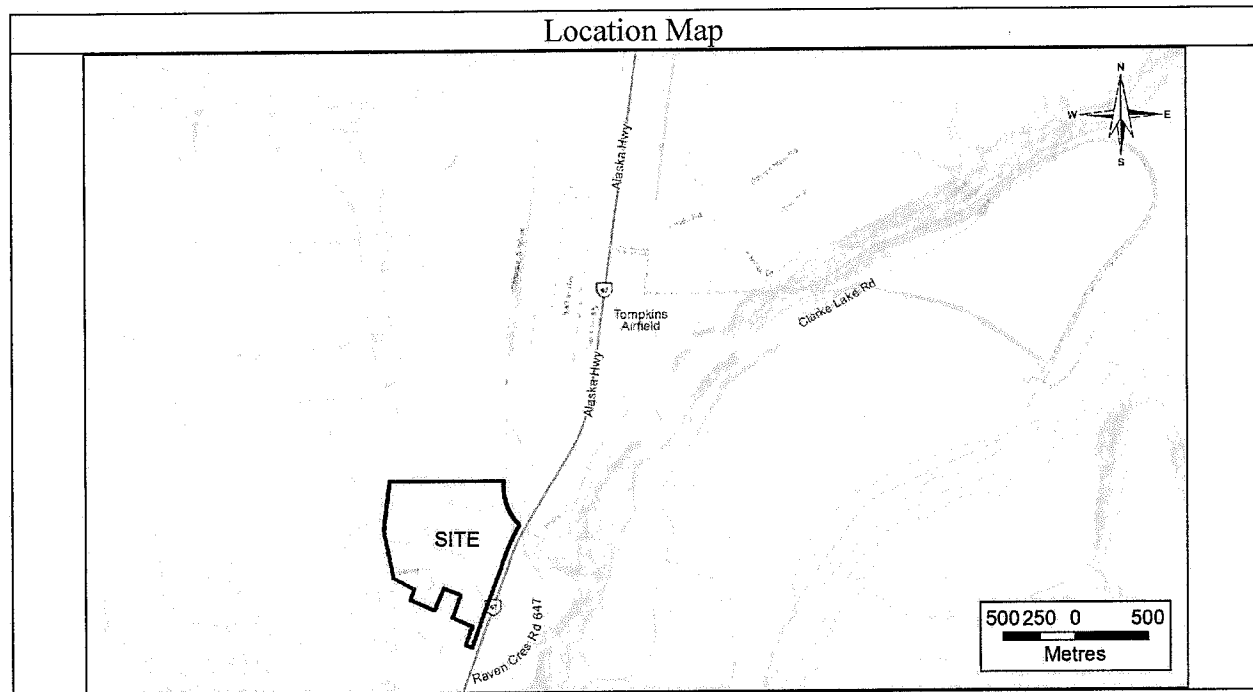
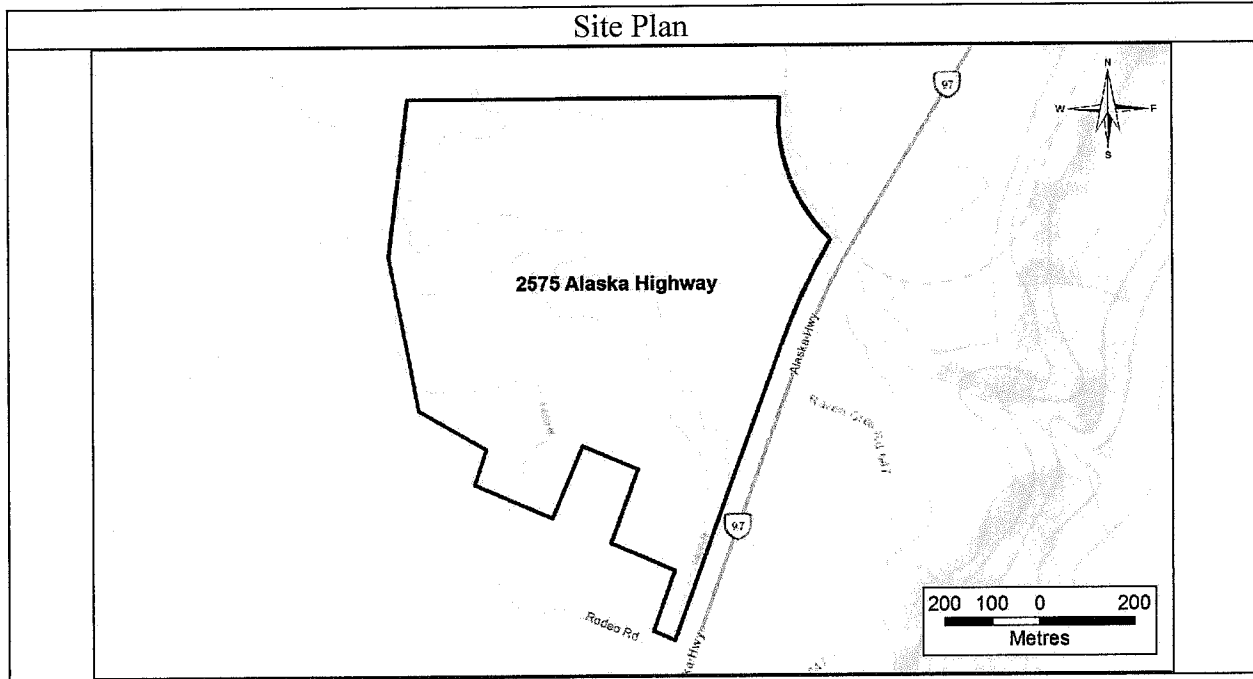
Latitude: 58° 43' 42.9"
Longitude: 122° 41' 46.6"

AUG 18 2016

Date Issued



Peter Kickham
For Director, *Environmental Management Act*



AUG 18 2016

Date Issued

Peter Kickham
For Director, *Environmental Management Act*

Schedule B

Requirements and Conditions

1. Any changes in land, vapour, or water uses must be promptly identified by the responsible persons in a written submission to the Director. An application for an amendment or new Certificate of Compliance may be necessary. The uses 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 a Contaminated Sites Regulation numerical standard at the site. These vapour attenuation factors were selected based on assumptions about the structures, locations and depths of buildings and trenches existing or expected at the site. These assumptions include the following:

- a) Future buildings will be slab on grade and groundwater must not contact the slab.

Any inconsistencies that arise between the structures, locations and depths of proposed or constructed buildings or trenches (if trench exposure duration exceeds 90 days) at the site and the range of structures, locations and depths of assumed in the selection of vapour attenuation factors in the documents listed in Schedule D must be promptly identified by the responsible person or persons in a written submission to the Director. An application for an amendment or new Certificate of Compliance may be necessary.

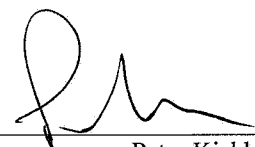
2. The principal risk controls which must be present or implemented and must be maintained at the site include the following:

- a) Salt storage facilities must remain covered to ensure chloride releases will not impact off-site aquatic receiving environments;
- b) Constructed ditches on the Property must continue to be maintained to prevent establishment of aquatic habitat;
- c) Preventative measures to inhibit wildlife access to the surface water in Ditch 7 must be maintained; and
- d) Vegetation must be prevented from establishing within the soil chloride and sodium impacted area near the shop and salt pad.

3. If requested by the Director, the responsible persons 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.

AUG 18 2016

Date Issued




Peter Kickham

For Director, *Environmental Management Act*

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.
5. Where required under a Performance Verification Plan for the site, records of performance verification actions and results must be maintained by the responsible persons or their agent. The records must be available for inspection by the Director.
6. Institutional and engineering controls required in clause 2 of this Schedule must be undertaken as specified in the Operation and Maintenance Plan listed in Schedule D.
7. The Director must be notified promptly by the persons responsible for the site if performance verification actions indicate that any institutional and engineering controls required in clause 2 of this Schedule are not being met. The following information must be submitted to the Director with the notification, or as soon as practicable thereafter:
 - (a) The time period over which institutional and engineering controls did not meet the requirements of Schedule B;
 - (b) The nature of the excursions;
 - (c) The temporary or permanent corrective measures implemented or to be implemented;
 - (d) An implementation schedule; and
 - (e) Supporting documentation.

AUG 18 2016

Date Issued



Peter Kickham

For Director, *Environmental Management Act*

**Schedule C
Substances and Uses**

Substances remediated in soil for industrial land soil use:

To meet numerical remediation standards:

- Nickel; and
- VPHs.

To meet risk-based remediation standards:

- Arsenic, chloride Ion (Cl-), chromium, and sodium Ion (Na+).

To meet local background concentrations:

- Arsenic.

Substances remediated in vapour for industrial land vapour use:

To meet numerical remediation standards:

- VPHv.

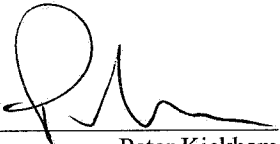
Substances remediated in water for aquatic life water use:

To meet risk-based remediation standards:

- Chloride.

AUG 18 2016

Date Issued



Peter Kickham
For Director, *Environmental Management Act*

Schedule D

Documents

Summary of Site Condition, prepared by Martin Jarman / M.P. Jarman & Associates Ltd. and Reidar Zapf-Gilje / GeoEnviroLogic Consulting Ltd., dated May 2016;

Performance Verification Plan, 2575 Alaska Highway, Fort Nelson, BC, prepared by Tetra Tech EBA Inc., dated May 2016;

Detailed Risk Assessment, 2575 Alaska Highway, Fort Nelson, BC, prepared by Tetra Tech EBA Inc., dated May 2016;

Supplemental Detailed Site Investigation 2575 Alaska Highway, Fort Nelson, BC, prepared by Tetra Tech EBA Inc., dated May 2016;

Stage 2 Preliminary Site Investigation, Detailed Site Investigation and Limited Soil Remediation, 2575 Alaska Highway, Fort Nelson, BC, prepared by Tetra Tech EBA Inc., dated May 2016;

Stage 1 Preliminary Site Investigation Update, 2575 Alaska Highway, Fort Nelson, BC, prepared by Tetra Tech EBA Inc., dated May 2016;

Request for approval of local background arsenic in soil under Contaminated Sites Regulation (CSR) Protocol 4 2575 Alaska Highway, Fort Nelson, BC (SITE 11990), prepared by Peter Kickham / BC Ministry of Environment, dated April 2016;

Addendum to Protocol 4 Application for Naturally Elevated Arsenic Concentrations in Soil, 2575 Alaska Highway, Fort Nelson, British Columbia, British Columbia Ministry of Environment Site Nos. 16506 and 11990, prepared by Tetra Tech EBA Inc., dated April 4, 2016;

Response to BC MOE Request for Additional Information, Protocol 4 Application for Naturally Elevated Arsenic Concentrations in Soil, 2575 Alaska Highway, Fort Nelson, British Columbia, British Columbia Ministry of Environment Site Nos. 16506 and 11990, prepared by Tetra Tech EBA Inc., dated February 2016;

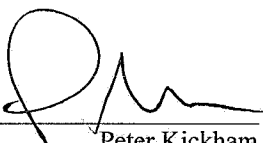
Protocol 4 Application for Naturally Elevated Arsenic Concentrations in Soil, Introduction Letter and Background Information, 2575 Alaska Highway, Fort Nelson, British Columbia, British Columbia Ministry of Environment Site Nos. 16506 and 11990, prepared by Tetra Tech EBA Inc., dated October 21, 2015;

Application for Determination of Local Background Concentrations of Sulphate in Groundwater at 2575 Alaska Highway, Fort Nelson, British Columbia, prepared by Lavinia Zanini / BC Ministry of Environment, dated October 2015; and

Assessment of Background Sulphate Concentrations in Groundwater, 2575 Alaska Highway, Fort Nelson, BC, prepared by Stephan Klump and Scott Schillereff / Tetra Tech EBA Inc., dated April 15, 2015.

AUG 18 2016

Date Issued



Peter Kickham
For Director, *Environmental Management Act*