



PRELIMINARY DETERMINATION
(Pursuant to Section 44 of the *Environmental Management Act*)

I have made a Preliminary Determination that the site identified in Schedule A of this document **is not** a contaminated site.

This Preliminary Determination is qualified by the requirements and conditions specified in Schedule B.

The site does not have concentrations of the substances specified in Schedule C that exceed the applicable standards and criteria prescribed in the Contaminated Sites Regulation for determining whether a site is a contaminated site.

I have issued this Preliminary Determination 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.

This is to advise that I will consider submissions received 35 days after delivery of this Preliminary Determination before a Final Determination is made.

In accordance with the *Environmental Management Act*, I will notify persons with an interest in the subject site once a Final Determination is made.

This Preliminary Determination should not be construed as an assurance that there are no hazards present at the site.

Date Issued

May 9, 2016

J.A. Brooke
For Director, *Environmental Management Act*

Schedule A

The site covered by this Preliminary Determination is Right of Way located adjacent to Water Avenue, Hope, British Columbia, which is more particularly known and described as:

That Part of District Lot 15 Group 1 and Section 9 Township 5 Range 26 West of the 6th Meridian
Yale Division Yale District Shown on Plan EPP57928
PID: 029-768-021

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

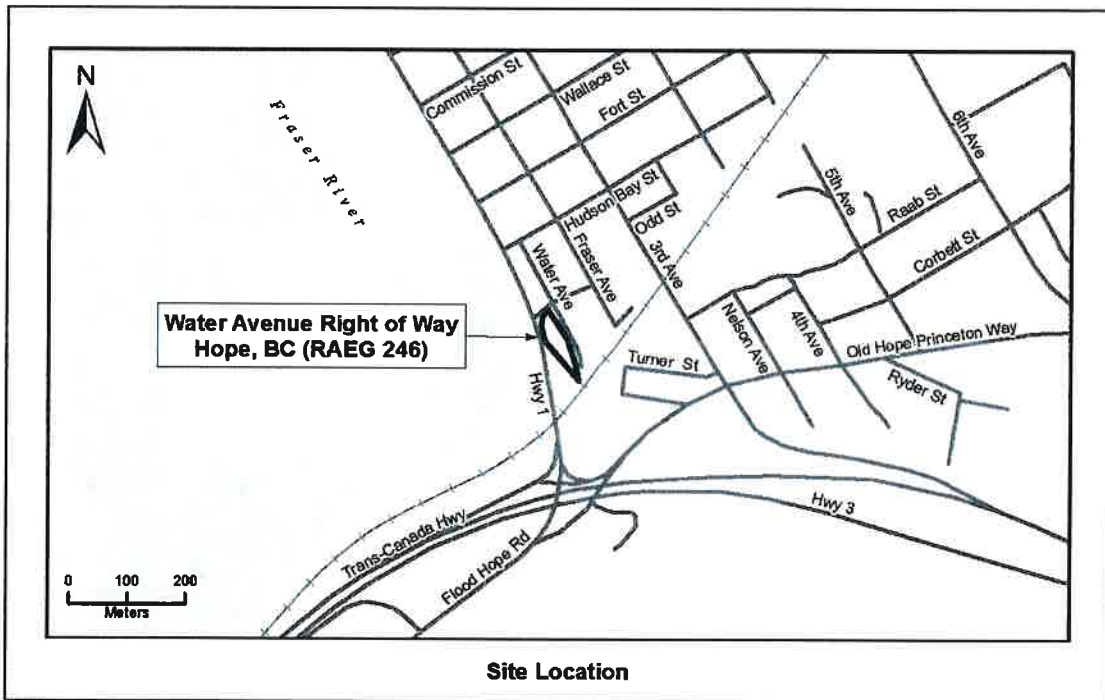
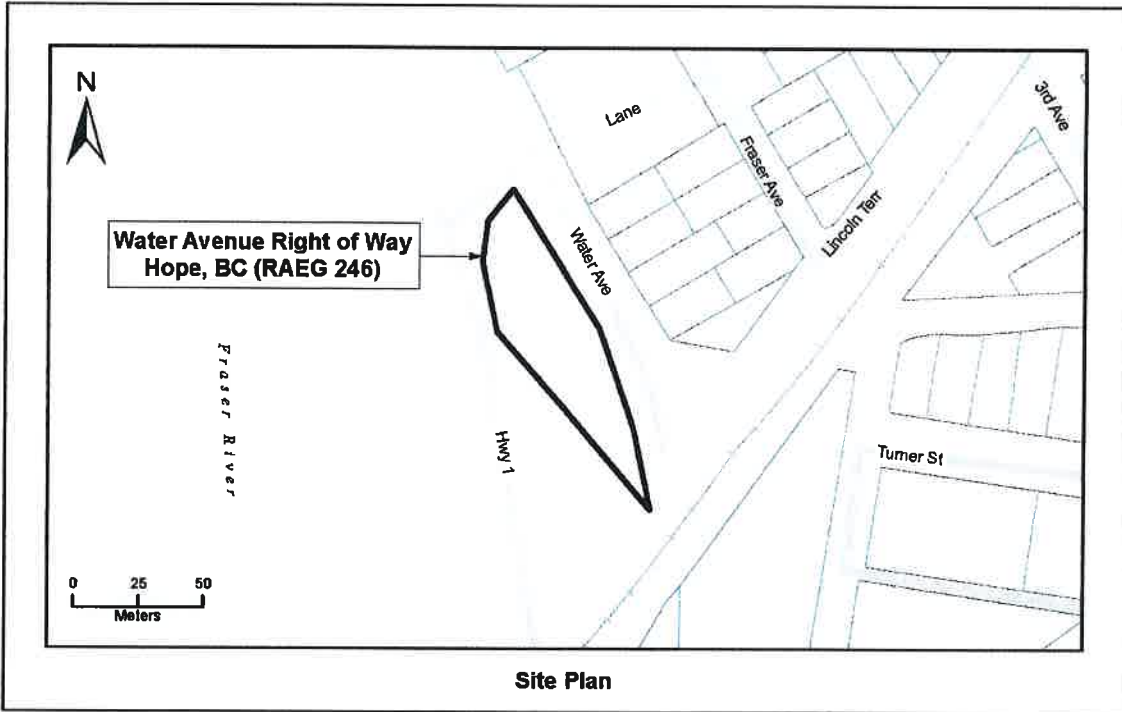
Latitude: 49° 22' 31.62"
Longitude: 121° 26' 29.4"

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Schedule B
Requirements and Conditions

This Schedule contains no requirements or conditions.

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Schedule C

Substances and Uses

Substances evaluated in soil for residential land soil use:

To meet numerical standards prescribed for defining whether a site is contaminated:

- Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, lithium, manganese, mercury, molybdenum, nickel, selenium, silver, strontium, tin, uranium, vanadium, and zinc;
- VPHs, LEPHs, and HEPHs;
- Benzene, ethylbenzene, toluene, and xylene;
- Benz[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, dibenz[a,h]anthracene, indeno[1,2,3-cd]pyrene, naphthalene, phenanthrene, and pyrene;
- 1,3-Butadiene, 1,2-dichloroethane, 1,2-dibromoethane (ethylene dibromide) (EDB); and
- Methyl tert-butyl ether (MTBE).

Substances evaluated in vapour for residential land vapour use:

To meet numerical standards prescribed for defining whether a site is contaminated:

- Benzene, bromodichloromethane (BDCM), bromomethane (methyl bromide), 1,3-butadiene, chlorobenzene (monochlorobenzene), chloroethane (ethyl chloride), chloroethene (vinyl chloride), chloromethane (methyl chloride), n-decane, dibromochloromethane (DBCM), 1,2-dibromoethane (ethylene dibromide) (EDB), dibromomethane (methylene bromide), 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, dichlorodifluoromethane (Freon 12), 1,1-dichloroethane, 1,2-dichloroethane, 1,1-dichloroethene (1,1-dichloroethylene), 1,2-dichloroethene (cis) (1,2-dichloroethylene, cis), 1,2-dichloroethene (trans) (1,2-dichloroethylene, trans), dichloromethane (methylene chloride), 1,2-dichloropropane (propylene dichloride), 1,3-dichloropropene,, ethylbenzene, n-hexane, isopropylbenzene (cumene), methylcyclohexane, methyl isobutyl ketone (4-methyl-2-pentanone), methyl tert-butyl ether (MTBE), naphthalene, styrene, 1,1,2,2-tetrachloroethane, tetrachloroethylene (PCE) (PERC), tetrachloromethane (carbon tetrachloride), toluene, tribromomethane (bromoform), 1,1,1-trichloroethane, 1,1,2-trichloroethane, trichloroethylene (TCE), trichlorofluoromethane (Freon 11), trichloromethane (chloroform), 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, VPHv, and xylenes, mixture.

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Substances evaluated in water for freshwater aquatic life water use:

To meet numerical standards prescribed for defining whether a site is contaminated:

- Antimony, arsenic, barium, beryllium, boron, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, titanium, uranium, and zinc;
- VPHw, LEPHw, VHW₆₋₁₀, and EPHW₁₀₋₁₉;
- Benzene, ethylbenzene and toluene;
- Methyl tertiary butyl ether (MTBE);
- Acenaphthene, acridine, anthracene, benzo[a]anthracene, benzo[a]pyrene, chrysene, fluoranthene, fluorene, naphthalene, phenanthrene, pyrene, and quinoline;
- 1,2-Dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichloroethane, dichloromethane (methylene chloride), 1,3-hexachlorobutadiene, monochlorobenzene, styrene, tetrachloroethylene (tetrachloroethene, 1,1,2,2-), tetrachloromethane (carbon tetrachloride), 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, trichloroethylene (trichloroethene, 1,1,2-), trichloromethane (chloroform), and
- Ethylene glycol, propylene glycol.

Substances evaluated in water for drinking water use:

To meet numerical standards prescribed for defining whether a site is contaminated:

- Aluminum, antimony, arsenic, barium, boron, cadmium, chloride, chromium, copper, lead, lithium, magnesium, mercury, molybdenum, selenium, sodium, strontium, tin, uranium, and zinc;
- VHW₆₋₁₀ and EPHW₁₀₋₁₉;
- Benzene, ethylbenzene, toluene, and xylenes (total);
- Methyl tertiary butyl ether (MTBE);
- Benzo[a]pyrene;
- Bromobenzene, bromodichloromethane (BDCM), bromomethane (methyl bromide), 1,3-butadiene, , chloroethane (ethyl chloride), chloroethene (vinyl chloride), chloromethane (methyl chloride), dibromochloromethane (DBCM), 1,2-dibromoethane (ethylene dibromide) (EDB), dibromomethane (methylene bromide), dichlorodifluoromethane (Freon 12), 1,1-dichloroethane, 1,1-dichloroethene, 1,2-dichlorobenzene, 1,4-dichlorobenzene, 1,2-dichloroethane, 1,2-dichloroethene (cis), 1,2-dichloroethene (trans), 1,2-dichloropropane (propylene dichloride), dichloromethane (methylene chloride), 1,3-hexachlorobutadiene, monochlorobenzene, tetrachloroethylene (tetrachloroethene, 1,1,2,2), 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, 1,1,1-trichloroethane, 1,1,2-trichloroethane, 1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113), tetrachloromethane (carbon tetrachloride), tribromomethane (bromoform), trichloroethylene (TCE), trichlorofluoromethane (Freon 11), trichloromethane (chloroform); and
- Propylene glycol.

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Schedule D

Documents

Summary of Site Condition, prepared by Diane Zorn/Hemmera, dated March 28, 2016; and
Stage 1 and 2 Preliminary Site Investigation, Water Avenue Right of Way, Hope, BC
(RAEG 246), prepared by Rada Kolev, Michelle Nicholson, and Diane Zorn/Hemmera, dated
March 2016.

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