



VIA EMAIL: csalisbury@westurban.ca

File: 26250-20/26083
Site ID: 26083

October 5, 2023

Cameron Salisbury
1295172 B.C. Ltd.
111-2036 South Island Highway
Campbell River, BC, V9W 0E3

Dear Cameron Salisbury:

Re: Final Determination – 2210 Island Highway South, Campbell River, BC

Please find enclosed a Final Determination respecting the site referenced above and be advised of the following:

1. The Director has made a Final Determination that the site is not contaminated because the numerical standards and criteria of the Contaminated Sites Regulation have been met at the site.
2. Information about the site will be included in the Site Registry established under the *Environmental Management Act*.
3. The provisions of this Final Determination are without prejudice to the right of the Director to make orders or impose requirements as the Director may deem necessary in accordance with applicable laws. Nothing in this Final Determination will restrict or impair the Director's power in that regard.
4. A qualified environmental consultant should be available to identify, characterize and appropriately manage:
 - (a) any environmental media that may be contaminated, or
 - (b) removal of soil under the provisions of Part 8 of the Contaminated Sites Regulation and may be encountered during any future work at the site.
5. Groundwater wells that are no longer required must be properly decommissioned in accordance with the *Water Sustainability Act's* Groundwater Protection Regulation.

6. Please note that future site development may create preferential pathways for vapour. In this event, further assessment and remediation of vapour may be warranted.

Issuance of this Final Determination is a decision that may be appealed under Part 8 of the *Environmental Management Act*.

If you require clarification of any aspect of this Final Determination, please contact the undersigned at Site@gov.bc.ca.

Yours truly,



Janet Barrett, M.Sc., P.Eng.
Senior Contaminated Sites Officer

Enclosure

cc: Keltie Chamberlain, City of Campbell River, keltie.chamberlain@campbellriver.ca
Marc Glesby, Zenex Capital Corp., 1590 Wain Road, North Saanich, BC V8L 5V1
mglesby@gmail.com
Client Information Officer, ENV, Victoria csp_cio@Victoria1.gov.bc.ca
Anna Popova, CSAP Society apopova@csapsociety.bc.ca
Keith Miller, Wittich Environmental Services Ltd., keith@wesltd.net
Gary Hamilton, Approved Professional, Hamilton & D'Ambra Consulting Inc.
garyhamilton49@gmail.com



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

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

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

October 5, 2023

Date Issued

Janet Barrett

For Director, *Environmental Management Act*

Schedule A

The site covered by this Final Determination is located at 2210 Island Highway South, Campbell River, British Columbia, which is more particularly known and described as:

LOT 14, DISTRICT LOT 218, COMOX DISTRICT, PLAN 8401
PID: 000-566-969

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

Latitude: 49° 58' 14.82"
Longitude: 125° 13' 00.42"

October 5, 2023

Date Issued



Janet Barrett

For Director, *Environmental Management Act*

Site Plan



Location Map



October 5, 2023
Date Issued

Janet Barrett
Janet Barrett
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 Determination of Contaminated Site 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 Contaminated Sites Regulation numerical standards at the site. These vapour attenuation factors were selected based on assumptions about the structures, locations and depths of buildings existing or expected at the site. These assumptions include the following:

- (a) The site will remain in its current configuration; or
- (b) Any building erected on the Site will be of slab-on-grade construction with ground floor commercial use and multiple stories of residential use above.

Any inconsistencies that arise between the structures, locations, and depths of proposed or constructed buildings at 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 persons in a written submission to the Director. An application for an amendment or new Determination of Contaminated Site may be necessary.

October 5, 2023

Date Issued



Janet Barrett

For Director, *Environmental Management Act*

Schedule C

Substances and Uses

Substances evaluated in soil for commercial land soil use:

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

acenaphthene	83-32-9
aluminum	7429-90-5
anthracene	120-12-7
antimony	7440-36-0
arsenic	7440-38-2
barium	7440-39-3
benz(a)anthracene	56-55-3
benzene	71-43-2
benzo(a)pyrene	50-32-8
benzo(b+j)fluoranthenes	205-99-2 & 205-82-3
benzo(k)fluoranthene	207-08-9
beryllium	7440-41-7
boron	7440-42-8
bromodichloromethane	75-27-4
bromoform	75-25-2
cadmium	7440-43-9
carbon tetrachloride	56-23-5
chlorobenzene	108-90-7
chloroform	67-66-3
chloride ion	16887-00-6
chromium	7440-47-3
cobalt	7440-48-4
copper	7440-50-8
dibenz(a,h)anthracene	53-70-3
dibromochloromethane [DBCM]	124-48-1
dichlorobenzene, 1,2-	95-50-1
dichlorobenzene, 1,3-	541-73-1
dichlorobenzene, 1,4-	106-46-7
dichloroethane, 1,1-	75-34-3

October 5, 2023

Date Issued


Janet Barrett

For Director, *Environmental Management Act*

dichloroethane, 1,2-	107-06-2
dichloroethylene, 1,1-	75-35-4
dichloroethylene, 1,2-cis-	156-59-2
dichloroethylene, 1,2-trans-	156-60-5
dichloromethane	75-09-2
dichloropropane, 1,2-	78-87-5
dichloropropene, 1,3- (cis + trans)	542-75-6
ethylbenzene	100-41-4
ethylene glycol	107-21-1
fluoranthene	206-44-0
fluorene	86-73-7
HEPHs	N/A
indeno(1,2,3-cd)pyrene	193-39-5
iron	7439-89-6
lead	7439-92-1
LEPHs	N/A
lithium	7439-93-2
manganese	7439-96-5
mercury	7439-97-6
methyl tert-butyl ether [MTBE]	1634-04-4
methylnaphthalene, 1-	90-12-0
methylnaphthalene, 2-	91-57-6
molybdenum	7439-98-7
naphthalene	91-20-3
nickel	7440-02-0
phenanthrene	85-01-8
pyrene	129-00-0
quinoline	91-22-5
selenium	7782-49-2
silver	7440-22-4
sodium ion	17341-25-2
strontium	7440-24-6
styrene	100-42-5
tetrachloroethane, 1,1,1,2-	630-20-6
tetrachloroethane, 1,1,2,2-	79-34-5

October 5, 2023

Date Issued

Janet Barrett

Janet Barrett

For Director, *Environmental Management Act*

tetrachloroethylene	127-18-4
thallium	7440-28-0
tin	7440-31-5
toluene	108-88-3
trichloroethane, 1,1,1-	71-55-6
trichloroethane, 1,1,2-	79-00-5
trichloroethylene	79-01-6
trichlorofluoromethane	75-69-4
triethylene glycol	112-27-6
tungsten	7440-33-7
uranium	7440-61-1
vinyl chloride	75-01-4
VPHs	N/A
xylenes	1330-20-7
zinc	7440-66-6

To meet local background concentrations:

Vanadium	7440-62-2
----------	-----------

Substances evaluated in vapour for commercial land vapour use:

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

bromodichloromethane [BDCM]	75-27-4
bromoform	75-25-2
carbon tetrachloride	56-23-5
chlorobenzene	108-90-7
chloroethane	75-00-3
chloroform	67-66-3
chloromethane	74-87-3
dichloromethane	75-09-2
dichlorobenzene, 1,2-	95-50-1
dichlorobenzene, 1,3-	541-73-1

October 5, 2023

Date Issued



Janet Barrett

For Director, *Environmental Management Act*

dichlorobenzene, 1,4-	106-46-7
dichloroethane, 1,1-	75-34-3
dichloroethylene, 1,1-	75-35-4
dichloroethylene, 1,2-cis-	156-59-2
dichloroethylene, 1,2-trans-	156-60-5
dichloropropane, 1,2-	78-87-5
dichloropropene, 1,3- (cis + trans)	542-75-6
styrene	100-42-5
tetrachloroethane, 1,1,1,2-	630-20-6
tetrachloroethane, 1,1,2,2-	79-34-5
tetrachloroethylene	127-18-4
toluene	108-88-3
trichloroethane, 1,1,1-	71-55-6
trichloroethane, 1,1,2-	79-00-5
trichloroethylene	79-01-6
trichlorofluoromethane	75-69-4
vinyl chloride	75-01-04

Substances evaluated in vapour for residential land soil use:

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

bromodichloromethane [BDCM]	75-27-4
bromoform	75-25-2
carbon tetrachloride	56-23-5
chlorobenzene	108-90-7
chloroethane	75-00-3
chloroform	67-66-3
chloromethane	74-87-3
dichloromethane	75-09-2
dichlorobenzene, 1,2-	95-50-1
dichlorobenzene, 1,3-	541-73-1
dichlorobenzene, 1,4-	106-46-7
dichloroethane, 1,1-	75-34-3

October 5, 2023

Date Issued

Janet Barrett

Janet Barrett

For Director, *Environmental Management Act*

dichloroethylene, 1,1-	75-35-4
dichloroethylene, 1,2-cis-	156-59-2
dichloroethylene, 1,2-trans-	156-60-5
dichloropropane, 1,2-	78-87-5
dichloropropene, 1,3- (cis + trans)	542-75-6
styrene	100-42-5
tetrachloroethane, 1,1,1,2-	630-20-6
tetrachloroethane, 1,1,2,2-	79-34-5
tetrachloroethylene	127-18-4
toluene	108-88-3
trichloroethane, 1,1,1-	71-55-6
trichloroethane, 1,1,2-	79-00-5
trichloroethylene	79-01-6
trichlorofluoromethane	75-69-4
vinyl chloride	75-01-04

Substances evaluated in water for freshwater aquatic life water use:

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

acenaphthene	83-32-9
acridine	260-94-6
anthracene	120-12-7
antimony	7440-36-0
arsenic	7440-38-2
barium	7440-39-3
benz(a)anthracene	56-55-3
benzene	71-43-2
benzo(a)pyrene	50-32-8
beryllium	7440-41-7
boron	7440-42-8
cadmium	7440-43-9
carbon tetrachloride	56-23-5
chlorobenzene	108-90-7
chloroform	67-66-3

October 5, 2023

Date Issued

Janet Barrett

Janet Barrett

For Director, *Environmental Management Act*

chromium	7440 47 3
chrysene	218-01-9
cobalt	7440-48-4
copper	7440-50-8
dichlorobenzene, 1,2-	95-50-1
dichlorobenzene, 1,3-	541-73-1
dichlorobenzene, 1,4-	106-46-7
dichloroethane, 1,2-	107-06-2
dichloromethane	75-09-2
EPH _{w10-19}	N/A
ethylbenzene	100-41-4
ethylene glycol	107-21-1
fluoranthene	206-44-0
fluorene	86-73-7
lead	7439-92-1
LEPH _w	N/A
mercury	7439-97-6
methyl tert-butyl ether [MTBE]	1634-04-4
molybdenum	7439-98-7
naphthalene	91-20-3
nickel	7440-02-0
phenanthrene	85-01-8
propylene glycol, 1,2-	57-55-6
pyrene	129-00-0
quinoline	91-22-5
selenium	7782-49-2
silver	7440-22-4
styrene	100-42-5
tetrachloroethylene	127-18-4
thallium	7440-28-0
titanium	7440-32-6
toluene	108-88-3
trichloroethylene	79-01-6
uranium	7440-61-1
VH _{w6-10}	N/A

October 5, 2023

Date Issued

Janet Barrett

Janet Barrett

For Director, *Environmental Management Act*

VPH _w	N/A
xylenes, total	1330-20-7
zinc	7440-66-6

Substances evaluated in water for marine aquatic life water use:

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

acenaphthene	83-32-9
acridine	260-94-6
anthracene	120-12-7
antimony	7440-36-0
arsenic	7440-38-2
barium	7440-39-3
benz(a)anthracene	56-55-3
benzene	71-43-2
benzo(a)pyrene	50-32-8
beryllium	7440-41-7
boron	7440-42-8
cadmium	7440-43-9
carbon tetrachloride	56-23-5
chlorobenzene	108-90-7
chloroform	67-66-3
chromium	7440 47 3
chrysene	218-01-9
cobalt	7440-48-4
copper	7440-50-8
dichlorobenzene, 1,2-	95-50-1
dichlorobenzene, 1,3-	541-73-1
dichlorobenzene, 1,4-	106-46-7
dichloroethane, 1,2-	107-06-2
dichloromethane	75-09-2
EPH _{w10-19}	N/A
ethylbenzene	100-41-4
ethylene glycol	107-21-1
fluoranthene	206-44-0

October 5, 2023

Date Issued

Janet Barrett

Janet Barrett

For Director, *Environmental Management Act*

fluorene	86-73-7
lead	7439-92-1
LEPH _w	N/A
mercury	7439-97-6
methyl tert-butyl ether [MTBE]	1634-04-4
molybdenum	7439-98-7
naphthalene	91-20-3
nickel	7440-02-0
phenanthrene	85-01-8
propylene glycol, 1,2-	57-55-6
pyrene	129-00-0
quinoline	91-22-5
selenium	7782-49-2
silver	7440-22-4
styrene	100-42-5
tetrachloroethylene	127-18-4
thallium	7440-28-0
titanium	7440-32-6
toluene	108-88-3
trichloroethylene	79-01-6
uranium	7440-61-1
VH _{w6-10}	N/A
VPH _w	N/A
xylenes, total	1330-20-7
zinc	7440-66-6

Substances evaluated in water for drinking water use:

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

acenaphthene	83-32-9
aluminium	7429-90-5
anthracene	120-12-7
antimony	7440-36-0
arsenic	7440-38-2

October 5, 2023

Date Issued

Janet Barrett

Janet Barrett

For Director, *Environmental Management Act*

barium	7440-39-3
benz(a)anthracene	56-55-3
benzene	71-43-2
benzo(a)pyrene	50-32-8
benzo(b+j)fluoranthene	205-99-2 / 205-82-3
beryllium	7440-41-7
boron	7440-42-8
bromodichloromethane [BDCM]	75-27-4
bromoform	75-25-2
cadmium	7440-43-9
carbon tetrachloride	56-23-5
chlorobenzene	108-90-7
chloroform	67-66-3
chromium	7440 47 3
cobalt	7440-48-4
copper	7440-50-8
dibromochloromethane [DBCM]	124-48-1
dichlorobenzene, 1,2-	95-50-1
dichlorobenzene, 1,4-	106-46-7
dichloroethane, 1,1-	75-34-3
dichloroethane, 1,2-	107-06-2
dichloroethylene, 1,1-	75-35-4
dichloroethylene, 1,2-cis-	156-59-2
dichloroethylene, 1,2-trans-	156-60-5
dichloromethane	75-09-2
dichloropropane, 1,2-	78-87-5
dichloropropene, 1,3- (cis + trans)	542-75-6
EPH _{w10-19}	N/A
ethylbenzene	100-41-4
ethylene glycol	107-21-1
fluoranthene	206-44-0
fluorene	86-73-7
iron	7439-89-6
lead	7439-92-1
lithium	7439-93-2

October 5, 2023

Date Issued

Janet Barrett

Janet Barrett

For Director, *Environmental Management Act*

manganese	7439-96-5
mercury	7439-97-6
methyl tert-butyl ether [MTBE]	1634-04-4
methylnaphthalene, 1-	90-12-0
methylnaphthalene, 2-	91-57-6
molybdenum	7439-98-7
naphthalene	91-20-3
nickel	7440-02-0
propylene glycol, 1,2-	57-55-6
pyrene	129-00-0
quinoline	91-22-5
selenium	7782-49-2
silver	7440-22-4
sodium ion	7440-23-5
strontium	7440-24-6
styrene	100-42-5
tetrachloroethane, 1,1,2,2-	79-34-5
tetrachloroethylene	127-18-4
tin	7440-31-5
toluene	108-88-3
trichloroethane, 1,1,1-	71-55-6
trichloroethane, 1,1,2-	79-00-5
trichloroethylene	79-01-6
trichlorofluoromethane	75-69-4
triethylene glycol	112-27-6
tungsten	7440-33-7
uranium	7440-61-1
vanadium	7440-62-2
VH _{w6-10}	N/A
vinyl chloride	75-01-4
xylenes, total	1330-20-7
zinc	7440-66-6

October 5, 2023

Date Issued

Janet Barrett

Janet Barrett

For Director, *Environmental Management Act*

Schedule D

Documents

Summary of Site Conditions, 2210 Island Highway South, Campbell River, BC. Hamilton & D'Ambra Consulting Inc. (February 21, 2023).

Supplemental Stage 2 Preliminary Site Investigation Report, 2210 Island Highway South, Campbell River, BC. Rebecca Ouellette & Keith Miller, Wittich Environmental Services Ltd. (February 21, 2023).

Stage 1 Preliminary Site Investigation Report, 2210 Island Highway South, Campbell River, BC. Christie Lucas & Jason Newington, WSP Canada Inc. (March 19, 2021).

Stage 2 Preliminary Site Investigation Report, 2210 Island Highway South, Campbell River, BC. Christie Lucas & Jason Newington, WSP Canada Inc. (March 29, 2021).

October 5, 2023

Date Issued



Janet Barrett

For Director, *Environmental Management Act*