



Victoria File: 26250-20/25341
Regional File: 26250-20/25341
Site ID: 25341

April 28, 2022

McGregor Wark
Bridge and Elliott Limited Partnership
3550-1021 Hastings St.
Vancouver, BC V6E 0C3
mwark@headwaterprojects.ca

Dear McGregor Wark:

Re: Approval in Principle – 4905 Elliott Street, Delta, British Columbia

Please find enclosed an Approval in Principle respecting the contaminated site referenced above.

In addition to the conditions set out in Schedule B of the Approval in Principle, please be advised of the following:

1. Information about the site will be included in the Site Registry established under the *Environmental Management Act*.
2. The provisions of this Approval in Principle 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 Approval in Principle will restrict or impair the Director's powers in this regard.
3. A qualified environmental consultant should be available to identify, characterize and appropriately manage:
 - (a) any environmental media that may be contaminated, or
 - (b) soil which may exceed the standards triggering a Contaminated Soil Relocation Agreement set out in section 40 of the Contaminated Sites Regulation and may be encountered during any future subsurface work at the site.
4. This Approval in Principle does not authorize entry upon, crossing over, or use for any purpose of private or Crown lands or works, unless and except as authorized by the owner of

such lands or works. The responsibility for obtaining such authority rests with the persons undertaking remediation. It is also the responsibility of those persons to ensure that all activities conducted under this Approval in Principle are carried out with due regard to the rights of third parties, and comply with other applicable legislation that may be in force.

5. Additional permits and approvals may be required before remediation begins.
6. All site materials (e.g., excavated soil, replaced soil, groundwater from dewatering, pumping, well development etc.) must be characterized and managed in accordance with applicable legislation and ministry guidance.
7. Groundwater wells that are no longer required must be properly decommissioned in accordance with the *Water Sustainability Act's* Groundwater Protection Regulation.
8. Please be advised that there are inherent health and safety risks associated with remediation activities at contaminated sites. Development of site-specific work procedures in accordance with WorkSafeBC regulations is warranted. Please direct related questions to the WorkSafeBC office at 604-276-3100 (Lower Mainland only) or 1-888-621-7233 (toll free in B.C.).
9. Any substantial modifications to the approved remediation plan, including substantial changes to the remediation schedule conditions or circumstances described in the risk assessment upon which the remediation plan is based, or changes in land use, must be promptly identified by written submission to the Director.
10. If an application for a Certificate of Compliance is to be submitted for the site, the confirmation of remediation report accompanying the application must demonstrate compliance with the remediation standards and criteria in force at the time the application for the Certificate is made, which may differ from the remediation standards and criteria in force at the time of issuance of this Approval in Principle.

If you require clarification of any aspect of this Approval in Principle, please contact the undersigned at james.plett@gov.bc.ca.

Yours truly,



James Plett
Senior Contaminated Sites Officer

Enclosure

cc: Kevin Li, City of Delta, KLi@delta.ca

Zayed Mohamed, Approved Professional, PGL Environmental Consultants Ltd.,
zmohamed@pggroup.com

Andrea Rivers, PGL Environmental Consultants Ltd., arivers@pggroup.com

CSAP Society apopova@csapsociety.bc.ca

Client Information Officer, ENV, Victoria csp_cio@Victoria1.gov.bc.ca



APPROVAL IN PRINCIPLE
(Pursuant to Section 53 of the *Environmental Management Act*)

THIS IS TO CERTIFY that the remediation plan described herein submitted by Bridge and Elliott Limited Partnership for the contaminated site identified in Schedule A of this document has been approved.

When implemented, the remediation plan must be implemented in accordance with the requirements and conditions specified in Schedule B.

The substances for which remediation will be conducted and for which this Approval in Principle is valid are specified in Schedule C.

I have issued this Approval in Principle based on a review of 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 Approval in Principle if conditions imposed in the Approval in Principle are not complied with or any fees payable under Part 4 of the Act or regulations are outstanding.

This Approval in Principle should not be construed as an assurance that there are no hazards present at the Site.

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James Plett
For Director, *Environmental Management Act*

Schedule A

The site covered by this Approval in Principle is located at 4905 Elliott Street, Delta, British Columbia which is more particularly known and described as:

LOT B DISTRICT LOT 106 GROUP 2 NEW WESTMINSTER DISTRICT PLAN 3603

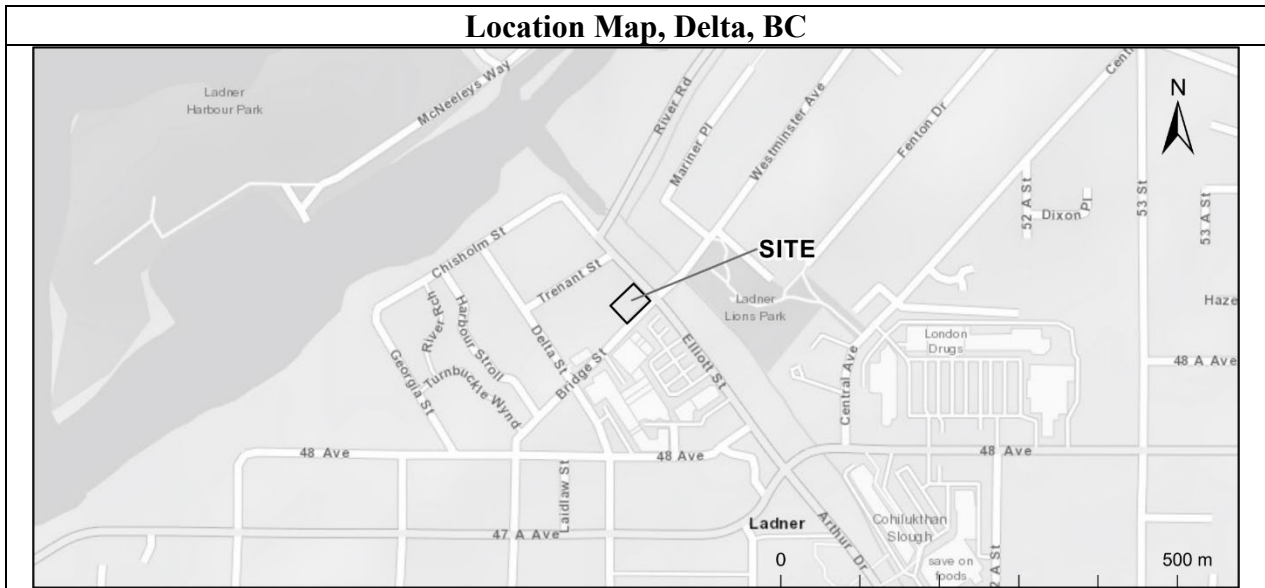
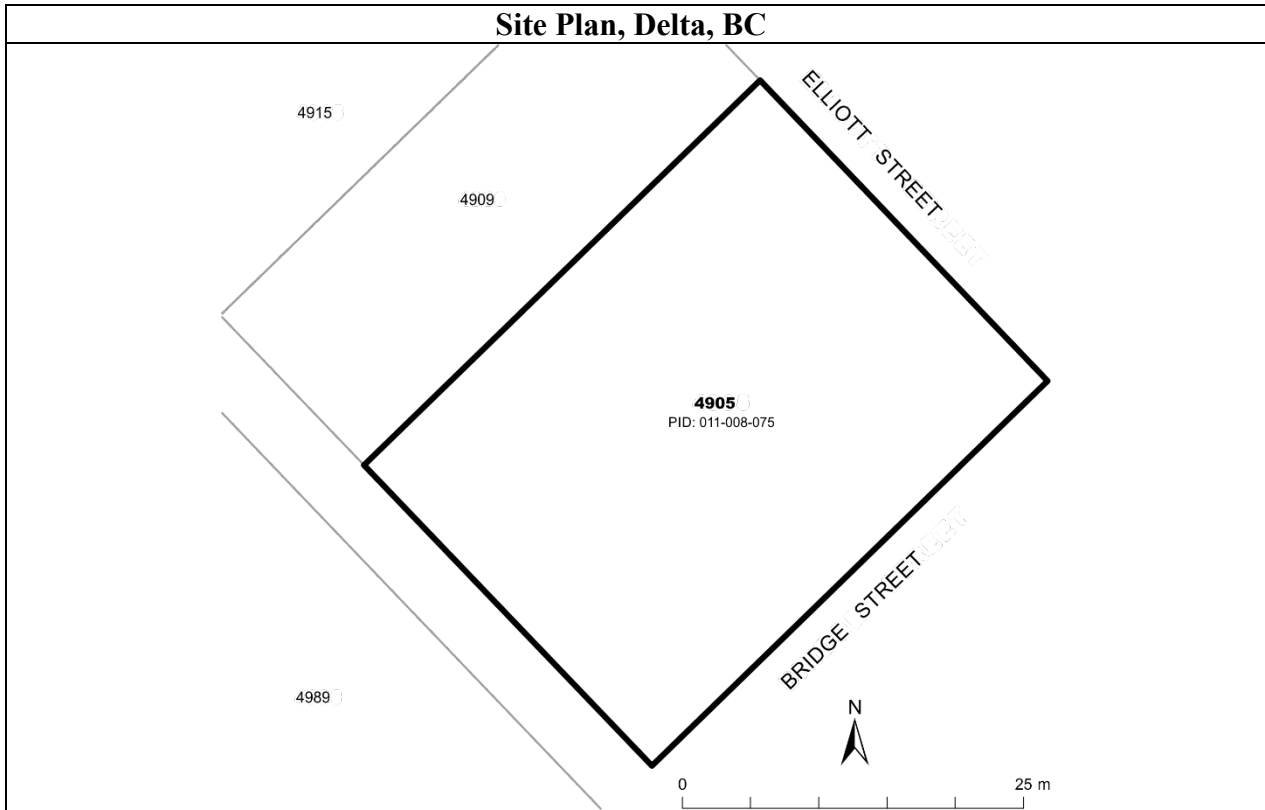
PID: 011-008-075

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

Latitude: 49° 5' 30.7"
Longitude: 123° 5' 5.1"

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Schedule B

Requirements and Conditions

1. Remediation, including monitoring, inspections and maintenance of any works, must be undertaken by the responsible persons in the manner and schedule specified in the plan listed in Schedule D or as specified in a modification of the plan approved by the Director.
2. Any substantial modifications to the approved remediation plan, including substantial changes to the remediation schedule, conditions or circumstances described in the risk assessment upon which the remediation plan is based, or changes in land, vapour, water, or sediment use, must be promptly identified in a written submission by the responsible persons to the Director. An application for an amendment or new Approval in Principle may be necessary.
3. Up-to-date records of monitoring, inspections and maintenance of any works must be maintained by the responsible persons or their agent. The records must be available for inspection by the Director.
4. Remediation must be completed within five years of the date of issuance of this Approval in Principle.
5. Remediation must be confirmed in accordance with applicable legislation and ministry guidance. Within 90 days of completing remediation, a report summarizing confirmation of remediation must be prepared in accordance with section 49 (2) of the Contaminated Sites Regulation and submitted to the Director.
6. A statement signed by an Approved Professional must be submitted to the Director *annually* within 90 days of the anniversary of the date of issuance of this Approval in Principle. The statement must include the following:
 - (a) A summary of remedial activities undertaken during the reporting period; and
 - (b) An assessment comparing remediation progress to the actions and schedule set out in the plans referenced above. Refer to Condition 3 above if remedial progress differs substantially from the schedule set out in the approved plans.

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7. If requested by the Director, a report signed by an Approved Professional must be submitted for review to the Director and must include the following:
 - (a) A summary of remedial activities undertaken to date;
 - (b) An assessment comparing remediation progress to the actions and schedule set out in the plans referenced above. Refer to Condition 3 above if remedial progress differs substantially from the schedule set out in the approved plan;
 - (c) Evaluation of the performance of the institutional and/or engineering controls; and
 - (d) Supporting documentation (e.g., analytical reports, records of inspection, maintenance of treatment works, etc.).

8. 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 the current configuration; or,*
 - (b) *Any building constructed on the site will be slab-on-grade.*

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 Approval in Principle may be necessary.

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Schedule C

Substances and Uses

Substances to be remediated in soil for commercial land soil use:

To meet numerical remediation standards:

ethylbenzene	100-41-4
selenium	7782-49-2
toluene	108-88-3
xylenes, total	1330-20-7

To meet risk-based remediation standards:

benzene	71-43-2
VPHs	n/a

Substances to be remediated in water for marine aquatic life water use:

To meet risk-based remediation standards:

benzene	71-43-2
LEPHw	n/a
naphthalene	91-20-3
VPHw	n/a

Substance to be remediated in water for freshwater aquatic life water use:

To meet risk-based remediation standards:

benzene	71-43-2
LEPHw	n/a
naphthalene	91-20-3
toluene	108-88-3
VPHw	n/a

Substances to be remediated in water for drinking water use:

To meet numerical remediation standards:

benzo(a)pyrene	50-32-8
dibenz(a,h)anthracene	53-70-3

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To meet risk-based remediation standards:

benzene	71-43-2
ethylbenzene	100-41-4
xylenes, total	1330-20-7

Substances evaluated in water for drinking water use:

To meet local background concentrations:

arsenic	7440-38-2
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Substances to be remediated in vapour for commercial land vapour use:

To meet risk-based remediation standards:

benzene	71-43-2
VPHv	n/a

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Schedule D

Documents

- *Summary of Site Condition*, prepared by Zayed Mohamed / PGL Environmental Consultants Ltd., dated April 26, 2022.
- *Performance Verification Plan – 4905 Elliott Street, Delta, BC*, prepared by PGL Environmental Consultants Ltd., dated January 10, 2022.
- *Stage 1 and Stage 2 Preliminary Site Investigation, Detailed Site Investigation, Screening Level Risk Assessment, and Remedial Action Plan - 4905, 4909 and 4915 Elliott Street, and 4989 Bridge Street, Delta, BC*, prepared by PGL Environmental Ltd., dated January, 2022.
- *Soil and Groundwater Delineation Summary - 4905 Elliott Street, Delta, BC*, prepared by PGL Environmental Consultants Ltd., dated October 30, 2020.
- *Phase 2 Environmental Site Investigation – 4905 Elliott Street, Delta, BC*, prepared by PGL Environmental Consultants Ltd., dated December, 2012.

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