PORT METRO vancouver

Project Review Application Form

Information supplied in this application may be made public during consultation with adjacent municipalities, First Nations groups and other interested parties, as well as to other members of the public through the Access to Information Act. ***Please advise PMV of any commercially or financially sensitive information which you do not want provided to third parties.***

APPLICANT or CONSULTANT

Note names of additional applicants or consultants below

Company Viterra		Contact Peter Idema, P.Eng.
No. & Street 1803 Stewart Street		Title Manager, Terminal Engineering and Maintenance Systems Vancouver
City Vancouver		Phone 604-293-6204
Postal Code V5L 5G1	Email peter.idema@viterra.com	Fax 604-293-6210

TENANT *(if different from above)*

Tenant File Number	Contact
Company	Title
No. & Street	Phone
City	Email
Postal Code	Fax

RECEIVED
PLANNING & TRADE DEVELOPMENT
DEC 06 2013
VANCOUVER FRASER PORT AUTHORITY

PROJECT INFORMATION

Location/Address/Legal Description Location: Pacific Elevators Limited Viterra: Address: 1803 Stewart Street; Legal Description: See attached report for details.	City Vancouver

Project Description Summary *(attach detailed description and rationale as necessary)*

The objective of the Pacific Elevators Upgrades Project, Pacific Basin Dredging is to complete the deepening of the Pacific basin to -13.7 m depth to accommodate Panamax vessels throughout the basin between PAC1 Jetty and Lapointe Pier. A detailed project description is included in the attached environmental assessment report.

Floor Area n/a	Height of proposed structure(s) n/a

Describe in-water works if any

The project involves dredging in the Pacific Basin using a barge-mounted modified 200 tonne hydraulic excavator.

Required utility connections:	☐ power	☐ gas	☐ water	☐ sanitary	☐ storm
Presently on site:	☐ power	☐ gas	☐ water	☐ sanitary	☐ storm
Modifications required:	☐ power	☐ gas	☐ water	☐ sanitary	☐ storm

Other required approvals A disposal-at-sea (DAS) permit application is being submitted to Environment Canada concurrently to this Project Review Application.

Approx. construction value	Proposed start date	Proposed completion date
$1.5M	Fall 2014	February 28, 2015

PROJECT ENVIRONMENTAL IMPLICATIONS

Include in-water works, discharges to land or water by pipe or surface run-off, potential leachates, soil contamination potential, air emissions, habitat impacts, etc. Attach a detailed description including drawings and plans, as well as proposed mitigation as appropriate.

Project environmental assessment report and sediment quality report attached to application.

Will the proposal involve off-site impacts (e.g. traffic, noise, views, glare, dust)? ☐ yes ■ no

Comments:

The project site is at a sufficient distance from potential receptors that noise effects will be negligible. The contractor will comply with City of Vancouver Noise Control Bylaw.

Does the proposal affect any known historical or archaeological feature? ☐ yes ■ no

Comments:

Previously disturbed area with low archaeological potential.

Does the proposal involve fill? If yes, please specify: ☐ yes ■ no

Length (m) Width (m) Volume (m^3)

PROPERTY INFORMATION

Do you have an existing lease/licence/easement with Port Metro Vancouver for the property or waterlot? ■ yes ☐ no

If yes to the above, is the proposal permitted under the terms and conditions of your agreement? Comments: ■ yes ☐ no

Is the proposal entirely within your leasehold area? If not, what arrangements have you made with Port Metro Vancouver or other landowners? ■ yes ☐ no

For in-water works, are you or Port Metro Vancouver the upland owner? ■ yes ☐ no

If no, please attach letter of consent from upland owner.

DREDGING

Complete this section only if dredging is proposed. If dredging is new ("capital dredging"), the Project Permit fee applies. For maintenance dredging, there is an environmental review with no fee.

Type of dredging
- [x] NEW (Capital)
- [ ] RENEWAL (Maintenance)
- [ ] OTHER Please Explain:

DREDGE SITE

Water Lot Use: Ship berth for grain loading.

Site Address/Local Name:	City:	Postal Code:
Pacific Elevators, 1803 Stewart Street	Vancouver	V5L 5G1

SITE SKETCH

Sketch in proposed dredge area, showing all relevant features.

See drawing of dredge area in attached environmental assessment report (Figure 2 in EA report).

DREDGING - SEDIMENT ANALYSIS INFORMATION

- *All proposed dredging sites must be sampled and the material must meet the "Interim Contaminant Testing Guidelines" developed by Environment Canada - Disposal at Sea Program (http://www.ec.gc.ca/iem-das/Default.asp?lang=En&n=0047B595-1).*
- *Soil to be disposed of on land must meet BCMOE Contaminated Sites Regulations, and may require a soil deposition permit from the receiving municipality, if applicable.*
- *A copy of the sample analysis must be received prior to the project being reviewed.*
- *The analysis will be valid for four (4) years and kept on file at Port Metro Vancouver offices.*

Sample Date	No. of Samples		
March 11, 2013	36	☒ Tested for Disposal at Sea ☐ Tested for Upland Disposal	☐ Pass ☐ Fail To be determined by EC.

Tested By See Sediment Quality Report for details of chemical analysis and toxicity testing.	Telephone	Cellular	Fax
Address	City		
Postal Code	Email address		

DREDGING METHODOLOGY

DREDGE METHOD	☐ Clamshell ☐ Hopper	☐ Cutter-Suction ☒ Other Modified excavator bucket
DISPOSAL METHOD	☒ Disposal at Sea	Permit Holder Pending Permit Number Max. Permit Volume Expiry Date
	☐ In-River Disposal	Disposal Site Unloading Method
	☒ Upland Disposal For sediments not meeting DAS requirements.	Disposal Site Prov/Muni. Permit #
	☐ Habitat Compensation	Habitat Site
	☐ Beach Replenishment	Site Description

Proposed Commencement Date	Proposed Completion Date	Proposed Hours of Work
Fall 2014	Feb 28, 2015	~60 working days

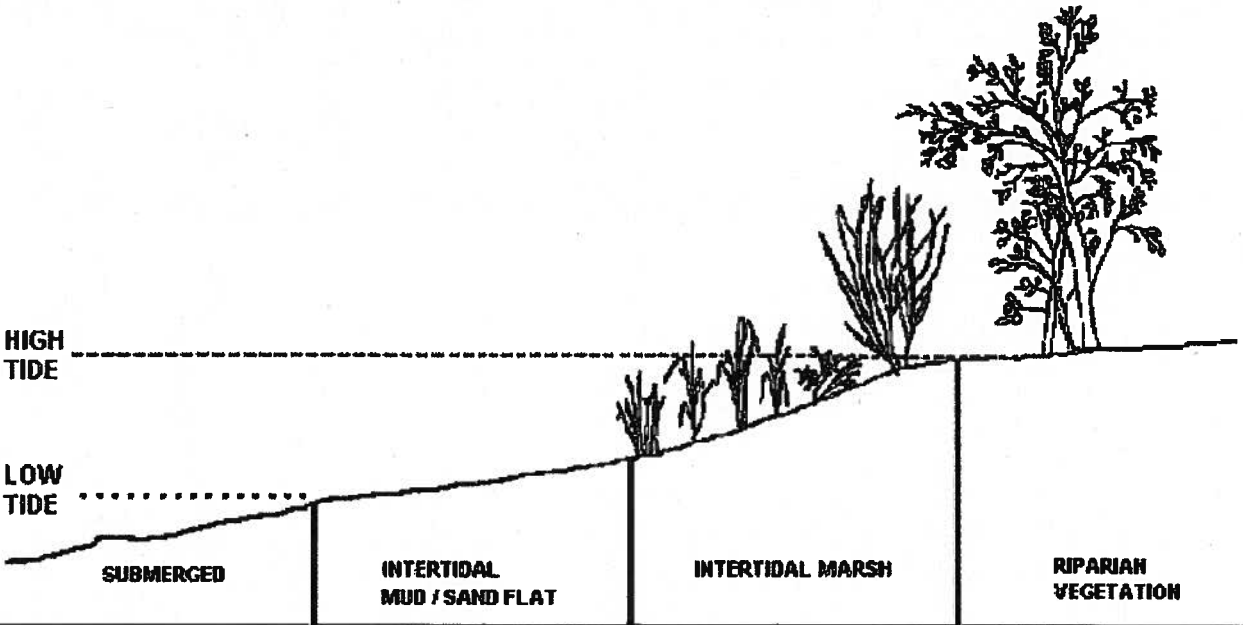
DREDGING VOLUMES

Length (m) 300 m	Width (m) 25 m to 95 m	Area (m^2) 15,827 sq. m
Existing grade (m LLW) EL. -10.6 m	Proposed grade (m LLW) EL. -13.7 m	
Proposed volume (m^3) 35,216 cu. m	☐ Per Year ■ Per Event	

CROSS SECTION

On the cross-section diagram, indicate the biological zones affected by dredging and calculate the surface area to be affected by construction.

Indicate the area affected using the diagram below as a guide to zones. Enter area affected in the appropriate space in the diagram.



SUBMERGED	INTERTIDAL MUD / SAND FLAT	INTERTIDAL MARSH	RIPARIAN VEGETATION
Length (m) 300 m	Length (m) 0	Length (m) 0	Length (m) 0
Width (m) 25 to 95 m	Width (m) 0	Width (m) 0	Width (m) 0

WRITTEN DESCRIPTION OF DREDGING PROPOSED

Attach additional pages as necessary.

Dredging equipment will consist of a barge-mounted 200-tonne hydraulic excavator modified with a heavy duty dredging bucket capable of breaking through the dense underlying sediment. Sediment will be mechanically excavated and placed on either a flat, or hopper barge. GPS controls will allow for precise (+/- 10 cm) bucket positioning. Precise positioning of the bucket will enable separation of sediment for sampling purposes. Sediment sampling will occur during dredging activities, in accordance with DAS requirements. Sediment that meets the DAS permit requirements will be transported by barge to the disposal site, anticipated to be the Point Grey disposal site. The Point Grey disposal site is located at 49.25667°N, 123.36500°W (NAD83) (+/- 1 nautical mile).

DREDGING CONTRACTOR

Contractor Name: JJM Construction Ltd.			
Address: 8218 River Way	City: Delta		
Postal Code: V4G 1C4	Email address: cpeddie@jjmconstruction.com		
Contact Name (if different): Craig Peddie	Telephone: 604.946.0978 x.255	Cellular:	Fax: 604.946.9327

PREVIOUS DREDGING (IF ANY)

Use descriptions as per the Dredging Methodology section.

Date Dredged: 2009	Volume Removed: >= 500 cu. m
Dredge Method: not available	Disposal Method: upland disposal
Dredge Grade: not available	Contractor: Vancouver Pile Driving
Previous Dredge Approval / Permit No: EAP/PRP 08-122	

I/we certify that I/we have reached the age of majority and the information provided in this application and supporting documentation is correct to the best of my/our knowledge.	
Applicant Name Peter A. Idema	Tenant *(when not applicant)*: Name
Title Manager, Terminal Engineering	Title
Date Nov. 19th, 2013	Date
Signature Peter A. Idema	Signature
	This signature signifies the applicant may act on my behalf during the course of the permit review process

Application fee submitted: $ 2625.00 *See page 16 in Project Review Guide*	Documentation deposit submitted: $ 10,000.00 *See page 16 in Project Review Guide*

Please send all completed applications to:

Port Metro Vancouver
Planning and Development Department
100 The Pointe, 999 Canada Place
Vancouver, BC Canada V6C 3T4

Applications for Environmental EAP review will be redirected to the appropriate department.