



VIA EMAIL

File: 26250-20/2404
Site ID: 2404 (Part)

August 27, 2020

ECOWASTE INDUSTRIES LTD.

100-3031 Viking Way
Richmond, BC V6V 1W1

Attention: Mr. Thomas G. Land (tland@ecowaste.com)
President & CEO

Dear Thomas Land:

**Re: Certificate of Compliance
Part of Site ID 2404 – Building 3 (8020 Zylmans Way), a portion of Zylmans
Way and a perimeter road/berm area
15111 Williams Road, Richmond, British Columbia**

Please find enclosed a Certificate of Compliance respecting the site referenced above.

In addition to the conditions set out in Schedule B of the Certificate of Compliance, 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 Certificate of Compliance 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 Certificate of Compliance will in any way restrict or impair the Director's power 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 Part 8 of the Contaminated Sites Regulation

and which may be encountered during any future subsurface work at the site.

4. Groundwater wells that are no longer required must be properly decommissioned in accordance with the *Water Sustainability Act's* Groundwater Protection Regulation.

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

If you require clarification of any aspect of this Certificate of Compliance, please contact the ministry's Client Information Officer at the email address shown below.

Yours truly,



Alan W. McCammon
For Director, *Environmental Management Act*

Enclosure

cc: Steven De Sousa, City of Richmond, email: SDeSousa@richmond.ca
Josh Reis, City of Richmond, email: jreis@richmond.ca
Katie Scott, PGL Environmental Consultants, email: kscott@pggroup.com
Duncan Macdonald, Approved Professional, PGL Environmental Consultants,
dmacdonald@pggroup.com
Scott Steer, Steer Environmental, scott.steer@steerenvironmental.com
CSAP Society, apopova@csapsociety.bc.ca
Client Information Officer, ENV, Victoria csp_cio@Victoria1.gov.bc.ca



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.

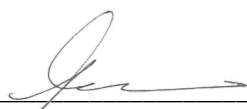
The substances for which remediation has been satisfactorily completed and for which this Certificate of Compliance is valid are listed in Schedule C.

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.

2020-08-27
Date Issued


Alan W. McCammon
For Director, *Environmental Management Act*

Schedule A

The site covered by this Certificate of Compliance is located at 15111 Williams Road Richmond, British Columbia and comprises Building 3 (8020 Zylmans Way), a portion of Zylmans Way and a perimeter road/berm area, which is more particularly known and described as:

Part of:

STRATA LOT 3 SECTION 22 BLOCK 4 NORTH RANGE 5 WEST NEW WESTMINSTER DISTRICT

STRATA PLAN EPS6471

TOGETHER WITH AN INTEREST IN THE COMMON PROPERTY IN PROPORTION TO THE UNT ENTITLEMENT OF THE STRATA LOT AS SHOWN ON FORM V which is described by the following metes and bounds:

The Point of Commencement (P.o.C.)

being the NE corner of STRATA LOT 3 SECTION 22 BLOCK 4 NORTH RANGE 5 WEST NEW WESTMINSTER DISTRICT

STRATA PLAN EPS6471, then

S 256.497 m along E PL of said lot, then

W 224.679 m, then

N 257.366 m, then

E 224.381 m along N PL of said lot to P.o.C.

Part of PID: 031-099-483

The site contains part of a legal parcel depicted in an engineering drawing prepared by PGL Environmental Consultants Ltd., dated August 2020.

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

Latitude: 49° 09' 16.75"

Longitude: 123° 02' 53.50"

2020-08-27

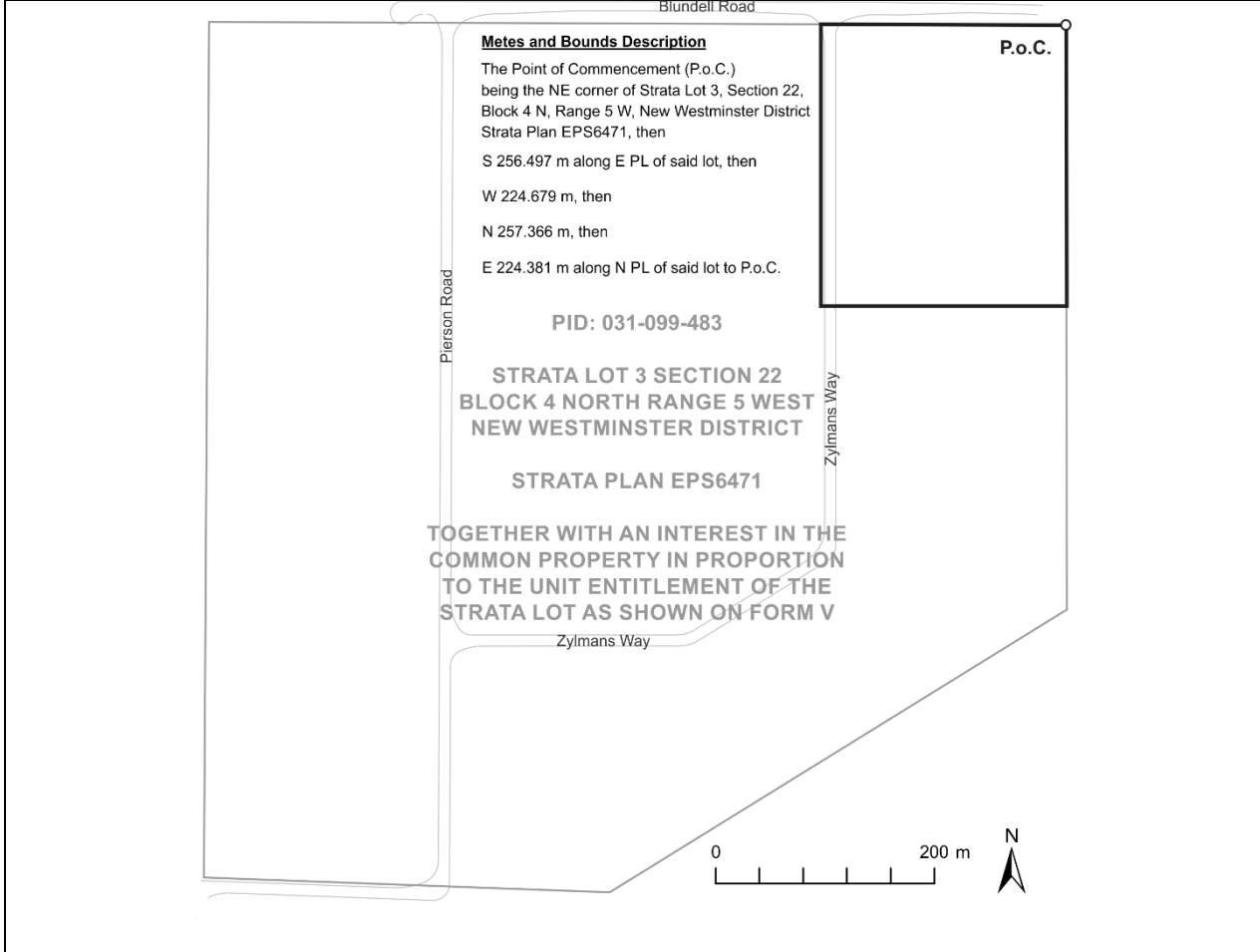
Date Issued



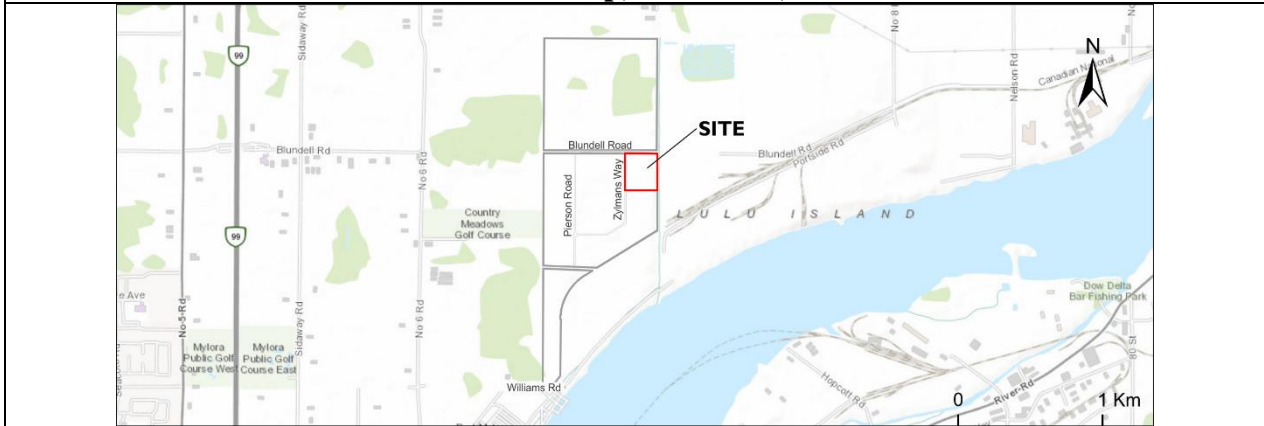
Alan W. McCammon

For Director, *Environmental Management Act*


Site Plan, Richmond, BC



Location Map, Richmond, BC



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Schedule B

Requirements and Conditions

WHEREAS Operational Certificate 4922 – issued under the provisions of the *Environmental Management Act* (“Act”) and in accordance with the Metro Vancouver Solid Waste Management Plan – governs management of solid waste at the site AND the Director, by letter dated November 30, 2016, provided a necessary release to the City of Richmond for issuance of the development permit for the site AND an Approval in Principle was issued September 22, 2017 for the site, TAKE NOTE THAT the following requirements and conditions are hereby imposed upon Ecowaste Industries Ltd. (“responsible person”):

1. Any conflict or inconsistency between this Certificate of Compliance and the requirements imposed in the Operational Certificate must be promptly identified by the responsible person in a written submission to the Director. This Certificate of Compliance is subject to ongoing compliance with the Operational Certificate, as amended.
2. Any changes in land, vapour, or water uses must be promptly identified by the responsible person 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 Contaminated Sites Regulation numerical and risk-based standards at the site. These vapour attenuation factors were selected based on assumptions about the structures, locations and depths of buildings and outdoor areas existing or expected at the site. These assumptions include the following:

- (a) *Any buildings constructed on the Site will have a vapour management system; and*
- (b) *Ongoing operation of the Landfill Gas System beneath the South Landfill thereby precluding the use of vapour attenuation factors on the Landfill.*

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 person<s> in a written submission to the Director. An application for an amendment or new Certificate of Compliance may be necessary.

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3. The principal risk controls which must be present or implemented and must be maintained at the site include the following:
 - (a) *The Vapour Management System operating below the building slab must continue to operate as designed.*
 - (b) *Site groundwater must not be used as a drinking water source.*
 - (c) *The requirements of the Design, Operations and Closure Plan (DOCP) for the landfill must be adhered to.*
4. If requested by the Director, the responsible person must provide a signed statement indicating whether the principal risk controls listed in clause 3 of this Schedule have been and continue to be met. This may include providing a signed statement by an Approved Professional.
5. 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.
6. Where required under a Performance Verification Plan for the site, records of performance verification actions and results must be maintained by the responsible person. The records must be available for inspection by the Director.
7. Institutional and engineering controls required in clause 3 of this Schedule must be undertaken as specified in the Operation and Maintenance Plan listed in Schedule D.
8. The Director must be notified promptly if verification actions indicate that any institutional or 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 problem;
 - (c) The temporary or permanent corrective measures implemented or to be implemented;
 - (d) An implementation schedule; and
 - (e) Supporting documentation.
9. 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) An evaluation of the performance of the institutional and engineering controls;
 - (b) Recommendations for modification of any plans referenced above, along with supporting rationale;


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- (c) Interpretation of current and cumulative results of the performance verification actions undertaken according to the plan described in clause 4 above; and
- (d) Supporting documentation.

10. As of the date of issue below, the Director does not require preparation and registration of a covenant under section 219 of the *Land Title Act* nor provision of financial security in connection with this Certificate of Compliance; however, the possible future need for measures and controls for the purposes specified in section 48 of the Contaminated Sites Regulation may be assessed by the Director from time to time.

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Schedule C

Substances and Uses

Substances remediated in soil for industrial land soil use:

To meet risk-based remediation standards:

arsenic 7440-38-2

Substances remediated in vapour for industrial land vapour use:

To meet risk-based remediation standards:

benzene 71-43-2
n-hexane 110-54-3
trichloroethylene 79-01-6
VPHv N/A

Substances remediated in water for drinking water use:

To meet risk-based remediation standards:


benzo(a)pyrene 50-32-8
toluene 108-88-3

Substances remediated in water for freshwater aquatic life water use:

To meet risk-based remediation standards:

toluene 108-88-3

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Schedule D

Documents

Summary of Site Condition 15111 Williams Road, Richmond, BC. Site ID 2404. PGL Environmental Consultants. August 21, 2020;

Confirmation of Remediation, Metes and Bounds Area Associated with Building 3, (8020 Zylmans Way, Richmond, BC) at 15111 Williams Road, Richmond, BC. PGL Environmental Consultants. April 2020;

Human Health and Ecological Risk Assessment, Metes and Bounds Area Associated with Building 3, (8020 Zylmans Way, Richmond, BC) at 15111 Williams Road, Richmond, BC. PGL Environmental Consultants. April 2020;

Operation and Maintenance Plan – Active VMS - Site ID: 2404 8020 Zylmans Way (Building 3), Richmond, BC. PGL Environmental Consultants. April 2020;

Performance Verification Plan – Site Id: 2404 8020 Zylmans Way (Building 3), Richmond, BC. PGL Environmental Consultants. April 2020;

Approval in Principal Annual Report for Ecowaste Landfill, 15111 Williams Road, Richmond, BC. PGL Environmental Consultants. March 2020;

Sulfides in Groundwater at Ecowaste Landfill, 15111 Williams Road, Richmond, BC. PGL Environmental Consultants. December 2019.

Request for Concurrence with Investigation Strategy, Ecowaste Landfill, 15111 William Road, Richmond, BC. Ministry of Environment. July 2019;

Concurrence with Investigation Strategy, Ecowaste Landfill, 15111 Williams Road, Richmond, BC. PGL Environmental Consultants. May 2019;

Sulfides in Groundwater at Ecowaste Landfill, 15111 Williams Road, Richmond, BC. PGL Environmental Consultants. May 2019;

Approval in Principal Annual Report for Ecowaste Landfill, 15111 Williams Road, Richmond, BC. PGL Environmental Consultants. March 2019;

Approval in Principal Annual Report for Ecowaste Landfill, 15111 Williams Road, Richmond, BC. PGL Environmental Consultants. March 2018;

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Approval in Principle – 15111 Williams Road, Richmond, BC. Ministry of Environment. September 2017;

Summary of Site Conditions. Duncan Macdonald, P.Eng. September 2017;

Ecowaste Landfill, 15111 Williams Road, Richmond, BC – Record Review Update. PGL Environmental Consultants. May 2017;

Protocol 6 Approval Application for Relief from Delineation. Ministry of Environment. November 2016;

Release Request – Development Permit Application. Ministry of Environment. November 2016;

Release Request – Development Permit. PGL Environmental Consultants. November 2016;

Remediation Plan, Ecowaste Landfill. PGL Environmental Consultants. November 2016;

Stage 2 Preliminary Site Investigation and Detailed Site Investigation, Ecowaste Landfill. PGL Environmental Consultants. November 2016;

Preapproval Application for Relief from further Horizontal Delineation. PGL Environmental Consultants. September 2016;

Site-Specific Determination of Water Use. PGL Environmental Consultants. August 2016;

Water Use Determination. Ministry of Environment. August 2016;

Addendum Water Use Determination, Ecowaste Landfill. PGL Environmental Consultants. June 2016;

Water Use Determination, Ecowaste Landfill. PGL Environmental Consultants. May 2016;
and

Stage 1 Preliminary Site Investigation, Ecowaste Landfill. PGL Environmental Consultants. April 2016.

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