



May 19, 2020

Tracking Number: 371230
Authorization Number: 2401

Comox Valley Regional District
600 Comox Rd
Courtenay BC V9N 3P6

Dear Operational Certificate Holder,

Application for Operational Certificate amendments dated March 23, 2018, under the Environmental Management Act

In response to the subject application, and pursuant to Section 16 of the Environmental Management Act, Operational Certificate 2401 (Appendix A) is hereby amended as follows:

1. Subsection 1.4. is amended from:

The location of the facilities for the management of waste and recyclable material to which this operational certificate is applicable is Block C of District Lot 85, Sayward Land District, approximately located as shown on attached Site Plan A.

to:

The location of the facilities for the management of waste and recyclable material to which this operational certificate is applicable is Block M and Block J of District Lot 85, Sayward Land District, approximately located as shown on attached Site Plan A

2. Section 1.5 is added:

1.5 Stormwater

1.5.1 The operational certificate holder must manage stormwater such that the stormwater is infiltrated into the ground with the authorized works.

1.5.2 The infiltrating stormwater must not include the concentration of any leachate substance in the stormwater greater than the Contaminated

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Sites Regulation Generic Numerical Water Standards for Drinking Water (DW) and Aquatic Life (AW) for freshwater for that substance.

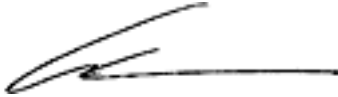
- 1.5.3 (a) The operational certificate holder must ensure that the Facility does not cause the concentration of Total Suspended Solids in the stormwater flowing from the Facility Site Boundary to be of worse quality than allowable concentrations specified in the British Columbia Approved and Working Water Quality Guidelines for a 24-hour duration during high flow conditions.
- (b) The operational certificate holder must cause a Qualified Professional to determine the applicable water use(s) for stormwater discharging from the Landfill Site and the applicable, maximum allowable concentration specified in the British Columbia Approved and Working Water Quality Guidelines and include such determinations in the Annual Operations and Monitoring Report.
- (c) The director may specify more stringent stormwater quality standards than those set out in this section.
- 1.5.4 The authorized works are mid slope swales, ditches, surface water management pond with energy dissipation and sediment traps, stormwater infiltration area, and related appurtenances approximately located as shown on Site Plan A.
- 1.5.5 The operational certificate holder must ensure that adequate authorized works to manage stormwater are complete and fully operational at all times.
- 1.5.6 The location of stormwater discharge to which this operational certificate is applicable is Block J of District Lot 85, Sayward Land District, approximately located as shown on attached Site Plan A.

3. Subsection 2.0 is added:

2.0 Glossary

The following terms when capitalized in this authorization have the meanings ascribed below. Other terms used in this authorization have the same meaning as those defined in the *Environmental Management Act*, applicable regulations, and the Landfill Criteria, unless the context indicates a contrary intent.

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“**Facility**” Means the landfill including all works related to stormwater management in Section 1.5.4.

“**Landfill Criteria**” means the *Landfill Criteria for Municipal Solid Waste*, Second Edition, June 2016, as it is amended or replaced from time to time, or other appropriate guidance or regulation in place at the time, as determined by the Director;

“**Qualified Professional**” in relation to a duty or function referred to in this Operational Certificate, means an individual who:

- (a) is registered in British Columbia with a professional organization, is acting under that organization's code of ethics and is subject to disciplinary action by that organization, and
- (b) through suitable education, experience, accreditation and knowledge, may reasonably be relied on to provide advice within his or her area of expertise, which area of expertise is applicable to the duty or function;

4. Subsection 2.1. is amended from:

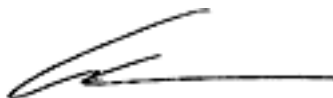
All facilities and information, including works, plans, assessments, investigations, surveys, programs and reports, must be certified by qualified professionals.

to:

The operational certificate holder must cause a Qualified Professional to:

- (a) Design and inspect the construction of the Facility, and,
- (b) Certify documents related to the Facility including plans, specifications, drawings, construction reports, assessments, reviews, investigations, studies, surveys, programs, reports and as-built record drawings.
- (c) Submit a completed Declaration of Competency and a Conflict of Interest Disclosure Statement with each document.

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5. Subsection 2.2.1 is amended from:

2.2.1 Plans

Site development, operating, leachate management, closure and post closure plans must be submitted to the Regional Waste Manager by December 31, 2003.

to:

(a) The operational certificate holder must cause a Qualified Professional to certify and submit an up to date DOCP, for the Facility, to the director before January 1, 2022. The landfill closure component of the DOCP must be submitted to the director by October 1, 2020 for approval.

(b) The DOCP must comply with the requirements of this operational certificate, include the information specified in all the items listed in the Landfill Criteria Section 10.3 Design, Operations and Closure Plan, and, if a Landfill Criteria Upgrading Plan is required pursuant to section 2.7 of this operational certificate, conform with the Landfill Criteria Upgrading Plan.

(c) The operational certificate holder must cause a Qualified Professional to certify and submit an updated DOCP to the director, as necessary to keep the DOCP up to date, at least once every five years after the date specified in the preceding (a).

(d) The operational certificate holder must carry out the most recent DOCP and design, construct, operate, inspect, maintain, monitor, and close the Facility, in compliance with most recent DOCP and this operational certificate.

6. Subsection 2.4 is amended from:

When 100,000 tonnes of waste have been discharged at the landfill, an assessment of the potential for landfill gas generation must be submitted to the Regional Waste Manager.

The landfill gas assessment must address, but is not limited to, subsections 4.2 and 6.4 of the Landfill Criteria for Municipal Solid Waste and section 6 of the Guidelines for Environmental Monitoring at Municipal Solid Waste Landfills.

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2.4.1 The potential for landfill gas generation is to be re-assessed at least once every 5 years after the initial assessment.

to:

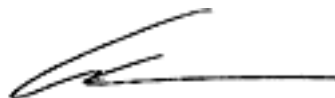
2.4.1 The operational certificate holder must ensure that:

- (a) The Facility does not cause:
 - (i) combustible gas concentrations to exceed the lower explosive limit of methane (5 percent by volume), or a lower concentration specified by the director, in soil at the Landfill Site Boundary;
 - (ii) combustible gas concentrations to exceed 20 percent of the lower explosive limit of methane (1 percent by volume) in any building;
 - (iii) federal, provincial, or local ambient air quality objectives and standards to be exceeded in air at the Landfill Site Boundary.

7. Subsection 2.7. is added:

- (a) The operational certificate holder must cause a Qualified Professional to certify and submit a Landfill Criteria Conformance Review to the director, on or before January 1, 2022.
- (b) The Landfill Criteria Conformance Review must be in accordance with the Landfill Criteria Section 2.2 Conformance of Existing Landfills, and include:
 - (i) A comparison and evaluation of the conformance status of the Facility with all applicable sections of the Landfill Criteria, and,
 - (ii) if non-conformance(s) with the Landfill Criteria are identified, a Landfill Criteria Upgrading Plan, including an action plan and schedule for all proposed upgrades to conform to the Landfill Criteria, and technical and environmental justification for any proposed exceptions from the Landfill Criteria.

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8. Site Plan A is replaced by the following updated Site Plan A (Appendix B).

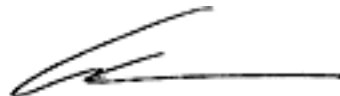
All other terms and conditions of the operational certificate remain in full force and effect.

Please note that although a revised operational certificate document has not been produced at this time a copy of this letter is being placed on the permit file, as an addendum to the operational certificate, to formally reflect the amendments.

This operational certificate 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 permittee. This permit is issued pursuant to the provisions of the Environmental Management Act to ensure compliance with Section 120(3) of that statute, which makes it an offence to discharge waste, from a prescribed industry or activity, without proper authorization. It is also the responsibility of the permittee to ensure that all activities conducted under this authorization are carried out with regard to the rights of third parties, and comply with other applicable legislation that may be in force.

This decision may be appealed to the Environmental Appeal Board in accordance with Part 8 of the Environmental Management Act. An appeal must be delivered within 30 days from the date that notice of this decision is given. For further information, please contact the Environmental Appeal Board at (250) 387-3464.

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Administration of this permit will be carried out by staff from the Environmental Protection Division's Regional Operations Branch. Documents pertinent to the operational certificate are to be submitted by email or electronic transfer to the Director, in accordance with the ministry Data & Report Submissions website at: <http://www2.gov.bc.ca/gov/content/environment/waste-management/waste-discharge-authorization/data-and-report-submissions>, or as further instructed. If you have any questions or concerns, please contact Authorizations - South at Authorizations.South@gov.bc.ca.

Yours truly,

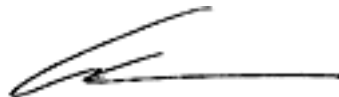


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ENCL:

Appendix A - Operational Certificate 2401 (December 2, 2003)
Appendix B – Site Plan A (April 22, 2020)

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for Director, *Environmental Management Act*
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Appendix A

Operational Certificate 2401 (December 2, 2003)



Date: DEC 02 2003

File: MR-2401

REGISTERED MAIL

Regional District of
Comox-Strathcona
600 Comox Rd
Courtenay BC V9N 3P6

Dear Regional District of Comox-Strathcona:

Enclosed is Operational Certificate MR-2401 issued under the provisions of the *Waste Management Act*. Your attention is respectfully directed to the terms and conditions outlined in the operational certificate. An annual operational certificate fee will be determined according to the *Waste Management Operational certificate Fees Regulation*.

This operational certificate does not authorise entry upon, crossing over, or use for any purpose of private or Crown lands or works, unless and except as authorised by the owner of such lands or works. The responsibility for obtaining such authority shall rest with the operational certificate holder. This operational certificate is issued pursuant to the provisions of the *Waste Management Act* to ensure compliance with Section 54(3) of that statute, which makes it an offence to discharge waste without proper authorisation. It is also the responsibility of the operational certificate holder to ensure that all activities conducted under this authorisation are carried out with regard to the rights of third parties, and comply with other applicable legislation that may be in force.

This decision may be appealed to the Environmental Appeal Board. Notice of the appeal must (1) be in writing, (2) include the grounds for appeal, (3) be directed by registered mail or personally delivered to the Chair, Environmental Appeal Board, 4th Floor 836 Yates Street, Victoria, British Columbia, V8V 1X4, (4) be delivered within 30 days from the date notice of the decision is given, and (5) be accompanied by a fee of \$25, payable to the Minister of Finance. For further information, please contact the Environmental Appeal Board at 250 387-3464.

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Ministry of
Water, Land and Air
Protection

Vancouver Island Region

Mailing Address:
2080A Labieux Road
Nanaimo BC V9T 6J9

Telephone: 250 751-3100
Facsimile: 250 751-3103

Administration of this operational certificate will be carried out by staff from our regional office located at 2080-A Labieux Road, Nanaimo, British Columbia, V9T 6J9, telephone 250 751-3100. Plans, data and reports pertinent to the operational certificate are to be submitted to the Regional Waste Manager, at this address.

Yours truly,



B. W. Medlar
Assistant Regional Waste Manager
Vancouver Island Region

Enclosure



MINISTRY OF WATER, LAND
AND AIR PROTECTION

Vancouver Island Region
Environmental Protection
2080-A Lableux Road
Nanaimo, British Columbia
V9T 6J9
Telephone: (250) 751-3100
Fax: (250) 751-3103

OPERATIONAL CERTIFICATE
MR-02401

Under the Provisions of the Waste Management Act

Regional District of Comox-Strathcona
600 Comox Road
Courtenay, British Columbia
V9N 3P6

is authorised to manage waste and recyclable material from the Regional District of Comox-Strathcona and environs at the Campbell River landfill located on Argonaut Road, Campbell River, British Columbia, subject to the conditions listed below. Contravention of any of these conditions is a violation of the *Waste Management Act* and may result in prosecution.

1. MANAGEMENT OF WASTE AND RECYCLABLE MATERIAL

1.1. Sanitary Landfill

- 1.1.1. This subsection applies to the discharge of waste to a sanitary landfill.
- 1.1.2. Waste may be discharged to the sanitary landfill shown on attached Site Plan A.
- 1.1.3. The characteristics of the discharge must be municipal solid waste as defined under the *Waste Management Act* and other wastes as approved in writing by the Regional Waste Manager.
- 1.1.4. The authorised works are a sanitary landfill, and related appurtenances approximately located as shown on attached Site Plan A.
- 1.1.5. The authorised works must be complete and in operation on and from the date of this operational certificate.

1.2. Leachate

- 1.2.1. This subsection applies to leachate from the landfill.
- 1.2.2. The characteristics of the leachate must not exceed concentrations set in the *British Columbia Approved Water Quality Guidelines (Criteria)* and *A Compendium of Working Water Quality Guidelines for British Columbia* at the property boundary. Where natural background water quality concentrations

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DEC 02 2003

B. W. Medlar
Assistant Regional Waste Manager

OPERATIONAL CERTIFICATE: MR-02401

exceed the aforementioned guidelines, characteristics of the leachate must not exceed background concentrations.

1.3. Entrance facilities

- 1.3.1. The authorised facilities are signs, weigh scales, recyclable material and waste drop-off and storage facilities and related appurtenances.
- 1.3.2. The authorised facilities must be complete and in operation on and from the date of this operational certificate.

1.4. Location of Authorised Facilities

The location of the facilities for the management of waste and recyclable material to which this operational certificate is applicable is Block C of District Lot 85, Sayward Land District, approximately located as shown on attached Site Plan A.

2. GENERAL REQUIREMENTS

2.1. Qualified Professionals

All facilities and information, including works, plans, assessments, investigations, surveys, programs and reports, must be certified by qualified professionals.

2.2. Plans

- 2.2.1. Site development, operating, leachate management, closure and post closure plans must be submitted to the Regional Waste Manager by December 31, 2003.
- 2.2.2. The plans referenced in subsection 2.2.1 must address, but not be limited to, each of the subsections in the *Landfill Criteria for Municipal Solid Waste* including performance, siting, design, operational and closure and post-closure criteria.
- 2.2.3. The facilities must be developed, operated and closed in accordance with the plans referenced in subsection 2.2.1.

2.3. Bear-Proof Facilities

- 2.3.1. Bears must not access putrescible waste at the landfill facility. All putrescible waste that arrives at the landfill facility must be immediately contained within a bear-proof bin or an area enclosed by a bear-proof electric fence. Grass, leaves, weeds, branches and woodwaste are exempt from bear-proofing requirements.
- 2.3.2. A bear-proof electric fence must be installed around the landfill facilities.

- 2.3.3. The bear-proof fence must be designed, constructed, operated and maintained to prevent bears from penetrating the fence.
- 2.3.4. The bear-proof electric fence and bear-proof bins must be installed and in operation by March 30, 2004.

2.4. Landfill Gas

- 2.4.1. When 100,000 tonnes of waste have been discharged at the landfill, an assessment of the potential for landfill gas generation must be submitted to the Regional Waste Manager.
- 2.4.2. The landfill gas assessment must address, but is not limited to, subsections 4.2 and 6.4 of the *Landfill Criteria for Municipal Solid Waste* and section 6 of the *Guidelines for Environmental Monitoring at Municipal Solid Waste Landfills*.
- 2.4.3. The potential for landfill gas generation is to be re-assessed at least once every 5 years after the initial assessment.

2.5. Seismic and Fault Activity

A report that assesses the risk from seismic and fault activity must be submitted to the Regional Waste Manager by December 31, 2003.

2.6. Additional Facilities or Works

The Regional Waste Manager may require investigations, surveys, and the construction of additional facilities or works including, but not limited to, additional leachate and landfill gas management facilities. The Regional Waste Manager may also amend the requirements of any of the information required by this operational certificate including plans, programs, assessments and reports.

3. MONITORING AND REPORTING

3.1. Monitoring Program

- 3.1.1. A monitoring program must be developed to identify any impacts to the environment and public health from the landfill.
- 3.1.2. The monitoring program must address, but not be limited to, subsections 4.1, 4.2 and 7.15 of the *Landfill Criteria for Municipal Solid Waste* and the *Guidelines for Environmental Monitoring at Municipal Solid Waste Landfills*.
- 3.1.3. Monitoring must be conducted in accordance with the monitoring program.

3.2. Annual Operating and Monitoring Report

3.2.1. An annual operating and monitoring report for the preceding 12 month period from January 1 to December 31 must be submitted to the Regional Waste Manager by April 30 of each year.

3.2.2. The report must include:

- An executive summary;
- Tonnage of each type of waste discharged to the landfill for the year;
- Remaining site life and capacity;
- Review of the preceding year of operation, plans for the next year and any new information or proposed changes relating to the facilities and plans;
- Comparison of the monitoring data with the performance criteria in section 4 of the *Landfill Criteria for Municipal Solid Waste* and the *Guidelines for Environmental Monitoring at Municipal Solid Waste Landfills*, interpretation of the monitoring data, identification and interpretation of irregularities and trends, recommendations, and any proposed changes to the monitoring program.

4. SITE CLOSURE

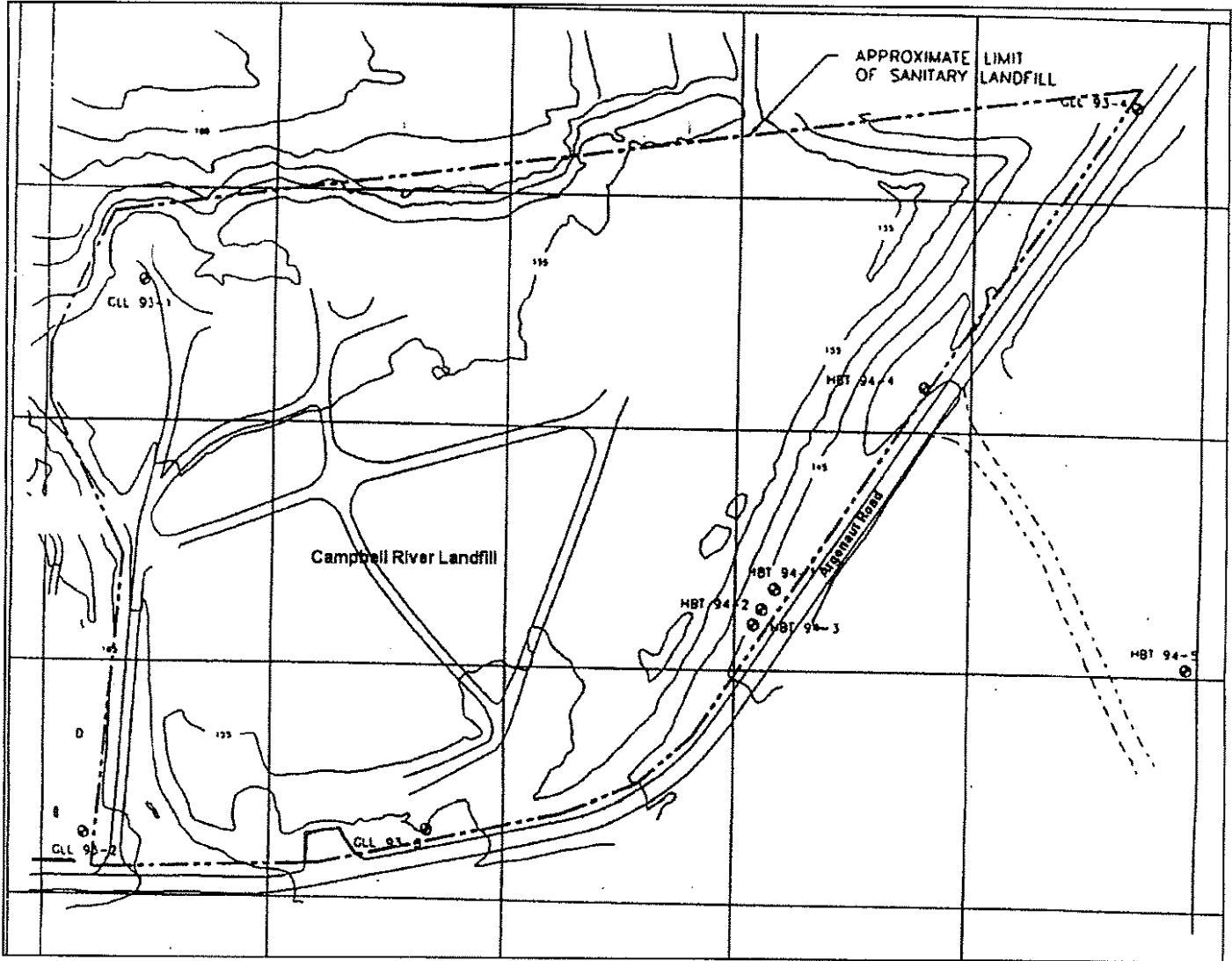
4.1. Closure and Post-Closure Fund

A closure and post-closure financial security trust fund must be built up over time. The closure and post-closure fund must ultimately meet or exceed the estimated closure and post-closure costs plus a reasonable contingency for any remediation that may be required.

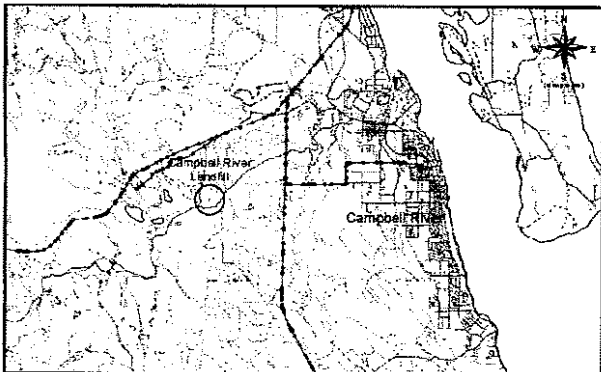


B. W. Medlar
Assistant Regional Waste Manager

SITE PLAN A



Location Map



Scale: Not to Scale

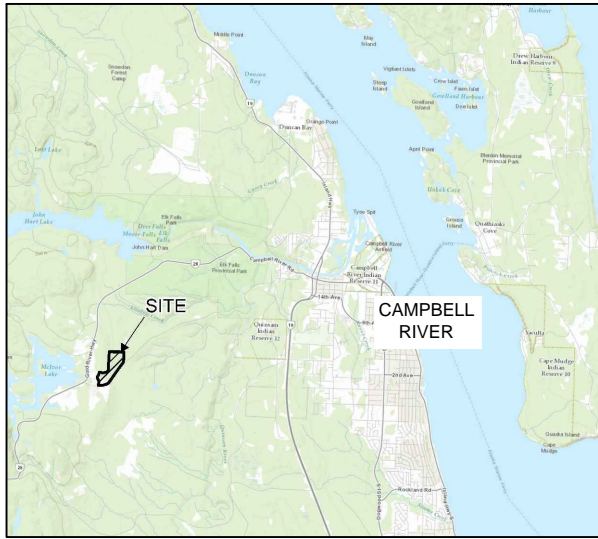
Operational Certificate: MR-02401

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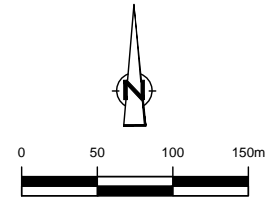
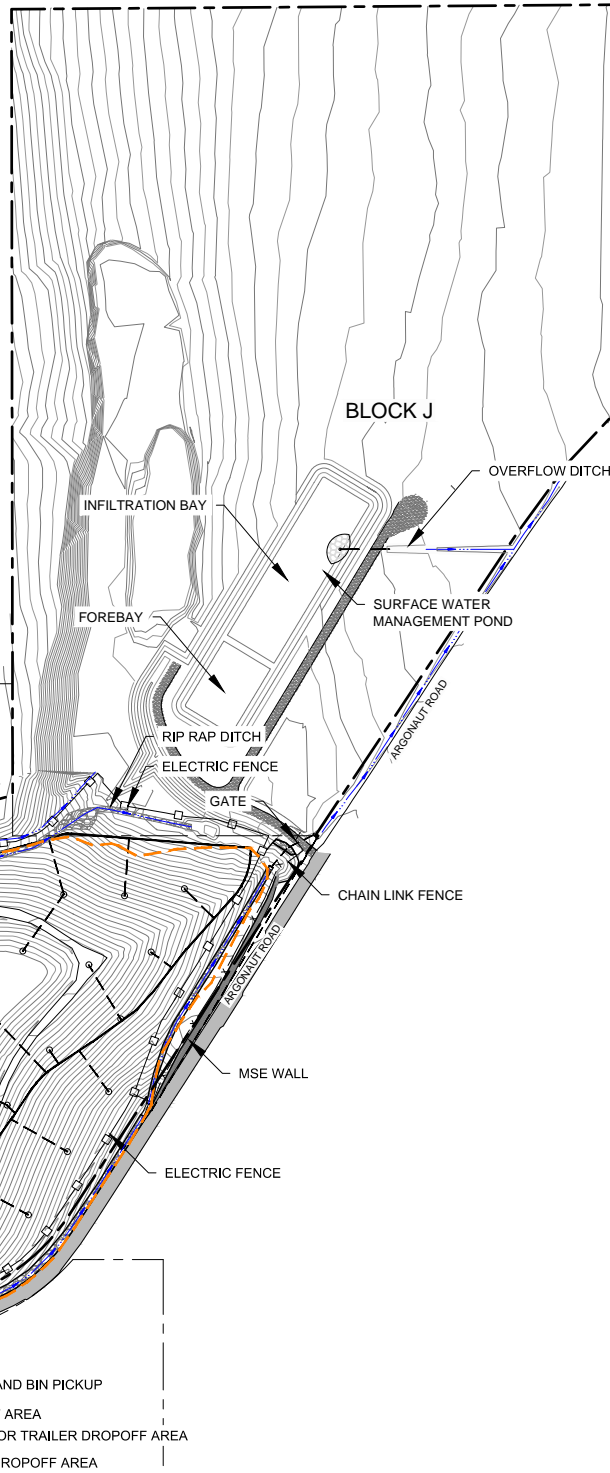
B. W. Medlar
Assistant Regional Waste Manager
Vancouver Island Region

Appendix B

Site Plan (April 22,2020)



SITE PLAN



LEGEND:

- MAJOR CONTOUR (2m INTERVAL)
- MINOR CONTOUR (1m INTERVAL)
- LEGAL BOUNDARY
- LANDFILL SITE BOUNDARY
- APPROXIMATE LIMIT OF SANITARY LANDFILL
- DRAINAGE DITCH
- CHAIN LINK FENCE
- ELECTRIC FENCE
- PROPOSED LFG HEADER PIPE
- PROPOSED LFG LATERAL PIPE
- GRAVEL ROADWAY
- ASPHALT ROADWAY
- RIP RAP DITCH
- CULVERT
- PROPOSED LFG EXTRACTION WELL

- GRAVEL AREA
- YARD WASTE COLLECTION AREA
- DRYWALL BUILDING
- RAMP
- BLOCK L
- PROPOSED LFG FLARE COMPOUND
- SHOP
- OFFICE
- SCALE HOUSE
- PAVED AREA
- SCALES
- OFFICE
- PUBLIC ACCESS
- HHW STORAGE AREA
- STAFF PARKING AND BIN PICKUP
- PUBLIC DROPOFF AREA
- 53' WALKING FLOOR TRAILER DROPOFF AREA
- RECYCLING BIN DROPOFF AREA
- BLOCK M
- BLOCK N
- BLOCK J
- INFILTRATION BAY
- FOREBAY
- RIP RAP DITCH
- ELECTRIC FENCE
- GATE
- MSE WALL
- CHAIN LINK FENCE
- ARGONAUT ROAD
- ARGONAUT ROAD
- ARGONAUT ROAD
- SURFACE WATER MANAGEMENT POND
- OVERFLOW DITCH

EXISTING TOPOGRAPHICAL SURVEY COMPLETED OCTOBER 24, 2018.