



MINISTRY OF WATER, LAND
AND AIR PROTECTION

Vancouver Island Region
Environmental Protection
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OPERATIONAL CERTIFICATE
MR-05634

Under the Provisions of the Environmental Management Act

Regional District of Alberni-Clayoquot
3008 Fifth Avenue
Port Alberni, British Columbia
V9Y 2E3

is authorized to manage recyclable material and waste from the Regional District of Alberni-Clayoquot and environs at the West Coast landfill located between Ucluelet and Tofino, British Columbia, subject to the conditions listed below. Contravention of any of these conditions is a violation of the *Environmental 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 *Environmental Management Act* and other wastes as approved in writing by the Director.
- 1.1.4. The authorized works are a sanitary landfill, and related appurtenances approximately located as shown on attached Site Plan A.
- 1.1.5. The authorized 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 the management and disposal of leachate from the landfill.

Date Issued:
Date Amended:
(most recent)
Page: 1 of 4

APR 12 2005

R. Alexander
for Director, *Environmental Management Act*

OPERATIONAL CERTIFICATE: MR-05634

- 1.2.2. The characteristics of the leachate at the property boundary 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*. Where natural background water quality concentrations exceed the aforementioned guidelines, characteristics of the leachate must not exceed background concentrations.
- 1.2.3. The authorized works are a leachate collection and conveyance system, leachate treatment works, discharge distribution pipe, and related appurtenances approximately located as shown on Site Plan A.
- 1.2.4. The authorized works must be complete and in operation on or before September 30, 2005.

1.3. Location of authorized facilities

The location of the facilities for the management of waste and recyclable material to which this operational certificate is applicable is Lot A, Plan VIP 68534 and Plan VIP 38600, District Lot 1399, Clayoquot Land District.

2. GENERAL REQUIREMENTS

2.1. Entrance facilities

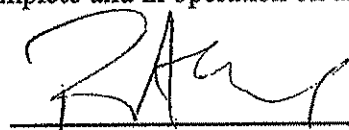
- 2.1.1. The authorized facilities are signs, weigh scales, recyclable material and waste drop-off and storage facilities and related appurtenances approximately located as shown on attached Site Plan A.
- 2.1.2. The authorized facilities must be complete and in operation on and from the date of this operational certificate.

2.2. Bear-Proof Facilities

- 2.2.1. 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.
- 2.2.2. A bear-proof electric fence must be installed around the landfill.
- 2.2.3. The bear-proof fence must be designed, constructed, operated and maintained to prevent bears from penetrating the fence.
- 2.2.4. The bear-proof electric fence must be complete and in operation on and from the date of this operational certificate.

Date Issued:
Date Amended:
(most recent)
Page: 2 of 4

APR 12 2005



R. Alexander
for Director, *Environmental Management Act*

OPERATIONAL CERTIFICATE: MR-05634

2.3. Qualified Professionals

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

2.4. Plans

- 2.4.1. Site development, operating, leachate management, closure and post closure plans must be submitted to the Regional Manager, Environmental Protection, by December 31, 2005.
- 2.4.2. The plans 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.
- 2.4.3. The facilities must be developed, operated and closed in accordance with the plans.

2.5. Landfill Gas

- 2.5.1. 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 Manager, Environmental Protection.
- 2.5.2. 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*.
- 2.5.3. The potential for landfill gas generation is to be re-assessed at least once every 5 years after the initial assessment.


2.6. Seismic and Fault Activity

A report that assesses the risk from seismic and fault activity must be submitted to the Regional Manager, Environmental Protection, by December 31, 2005.

2.7. Additional Facilities or Works

The Director 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 Director may also amend the requirements of any of the information required by this operational certificate including plans, programs, assessments and reports.

Date Issued: APR 12 2005
Date Amended:
(most recent)
Page: 3 of 4



R. Alexander
for Director, Environmental Management Act

OPERATIONAL CERTIFICATE: MR-05634

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 Manager, Environmental Protection, by June 1 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 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.

APR 12 2005



R. Alexander
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