

**AMENDMENT NO. 6  
TO  
CAPITAL REGIONAL DISTRICT  
SOLID WASTE MANAGEMENT PLAN REVISION 2  
As Approved by Minister on 22 December 1995**

**SUBJECT: INCLUSION OF HIGHWEST WASTE MANAGEMENT FACILITY IN  
THE CRD SOLID WASTE MANAGEMENT PLAN**

TYPE OF AMENDMENT: Regulatory

**PURPOSE**

The purpose of this amendment is to include the Highest Waste Management Facility (HWMF) in the Capital Regional District (CRD) Solid Waste Management Plan (SWMP).

**AMENDMENT:**

1. Replace any reference to Highest Waste Recyclers Ltd. with Highest Waste Recycler Ltd. (HWRL) Highest Waste Management Facility (HWMF).
2. Delete Paragraph 6 in Section 9.0, Highest Waste Recyclers Ltd. Landfill Site Plan.
3. Delete Section 10.1.28 Highest Waste Recyclers Site, and replace with the following:

**10.1.28 HIGHEST WASTE RECYCLER LTD. (HWRL) HIGHEST WASTE MANAGEMENT FACILITY (HWMF)**

**10.1.28.1 Background**

The HWMF, situated on a 22.8 ha parcel of land within the municipality of the District of Highlands, and owned by John Wah Chew ("**Landowner**") is currently authorized to dispose of waste under Permit PR-05280 (issued in 1979) from the Ministry of Environment (MOE).

The MOE required that the CRD address the HWMF in its Solid Waste Management Plan (SWMP) and has advised the CRD that it intends to issue an Operational Certificate for the HWMF.

**10.1.28.2 Requirements**

The HWMF will include entrance facilities, a material recovery facility, a selected waste landfill and a refractory pit burner.

The CRD SWMP specifies the following requirements for the operation by the operator of the HWMF:

- 10.1.28.2.1 The maximum authorized quantity of clean wood that may be burned in the refractory pit burner is 7000 tonnes in 2007, 5000 tonnes in 2008, 3,000 tonnes in 2009 and zero tonnes in 2010 and subsequent years. Burning must cease by December 31, 2009.

- 10.1.28.2.2 That HWRL comply with the 2007 Design and Operation Plan, amendments and any subsequent revisions that have been prepared for the HWMF, as well as the operational certificate that may be issued for the HWMF by the MOE.
- 10.1.28.2.3 That HWRL post security in favour of the MOE and the CRD in a manner and form acceptable to the Director, MOE.
- 10.1.28.2.4 That HWRL establish and accrue in favour of the MOE and the CRD a closure and post-closure fund that meets or exceeds the estimated closure and post-closure costs, as well as a reasonable contingency fund for any remediation that may be required.
- 10.1.28.2.5 At least one (1) HWMF staff on site operating the facility must possess Solid Waste Association of North America, Manager of Landfill Operations certification.

### 10.1.28.3 Recommended Requirements

The CRD SWMP recommends that:

- 10.1.28.3.1 The MOE consider issuing to HWRL and the Landowner the attached draft operational certificate for the HWMF; and

- 10.1.28.3.2 HWRL be authorized by the MOE to operate the following as part of the HWMF: entrance facilities; a material recovery centre; a selected waste landfill; and a refractory lined air curtain burner.

#### 10.1.28.3.3 Entrance Facilities

The entrance facilities include a sign, gate, access road, weigh scale, gatehouse and related appurtenances approximately located as shown on the HWMF site plan (Figure 4).

#### 10.1.28.3.4 Material Recovery Centre

It is recommended that:

- (a) the maximum quantity of incoming waste stored on site at any one time shall be 10,620 tonnes;
- (b) the characteristics of the materials received shall be demolition, land clearing and construction waste and recyclable materials; and
- (c) the facilities include receiving, storing, sorting and processing facilities and related appurtenances approximately located as shown on the HWMF site plan (Figure 4).

#### 10.1.28.3.5 Selected Waste Landfill

It is recommended that:

- (a) the maximum rate of discharge be 22,500 tonnes per year;
- (b) the selected waste approved for discharge shall be demolition, land clearing and construction waste; residue of combustion from the on-

site refractory pit burner; and other wastes as approved in writing by the Director. Hazardous waste (as defined in the *Environmental Management Act* and the *Hazardous Waste Regulation*) and putrescible waste must not be discharged;

- (c) the authorized works be a 4.97 hectare selected waste landfill, a perimeter containment berm and ditches, stormwater detention ponds and related appurtenances approximately located as shown on the attached HWMF site plan (Figure 4);
- (d) HWRL design, operate and close the selected waste landfill in accordance with MOE *Landfill Criteria for Municipal Solid Waste and Guidelines for Environmental Monitoring at Municipal Solid Waste Landfills*; and
- (e) HWRL submit surveys, works, plans, assessments, investigations, programs and reports certified by a qualified professional, including site development, operating, leachate management, surface water management, closure and post-closure plans; fire safety plan; landfill gas assessment; geotechnical, seismic and fault risk assessment; legal survey; monitoring program; and annual operating and monitoring report.

#### 10.1.28.3.6 Refractory Lined Air Curtain Burner (RFB)

It is recommended that:

- (a) the maximum authorized burning duration be 9.5 hours per day (excluding daily start-up and closure operations), 98 hours per month and 800 hours per year. Burning should not occur on Saturdays, Sundays or statutory holidays. The Director may further regulate or prohibit burning;
- (b) the authorized works be a refractory lined air curtain burner with underfire and overfire air and related appurtenances approximately located as shown on the HWMF site plan attached (Figure 4); and
- (c) only clean wood shall be burned. Clean wood does not include hazardous waste (as defined in the *Environmental Management Act* and the *Hazardous Waste Regulation*); asphalt, asphalt products and asphalt shingles; metal barrels and pails; carpeting and underlay; drywall; fibreglass; fluorescent lights and tubes; furniture; appliances and electronics; insulation; mattresses; mercury switches; metals; paints, pesticides, solvents and their containers; plastics, including polyvinyl chloride and expanded rigid polystyrene foam, but excluding small residue of polyethylene film vapour barrier from demolition sources; putrescible waste; tires; vinyl flooring and vinyl siding; white goods; wiring (electrical); wood with paint, stain or coating; and treated wood, including wood treated with creosote, chromated copper arsenate, ammoniacal copper arsenate, ammoniacal copper zinc arsenate, pentachlorophenol and bituminous coatings.

#### 10.1.28.4 **Enforcement**

The MOE has indicated that it intends to enforce the Operational Certificate in accordance with ministry policy and procedures.

**10.1.28.5 Regulatory Bylaw**

The CRD will consider adopting a bylaw under Section 25(3) of the *Environmental Management Act* to regulate the operation of a privately owned waste management facility such as the HWMF, including the imposition of restrictions not inconsistent with this Plan. Through such a bylaw, the CRD could impose fees and charges for the purpose of recovering administration and enforcement costs.

**10.1.28.6 Consultation**

In connection with any bylaw referred to in Section 10.1.28.5, the CRD intends to undertake consultations with the affected operator of the HWMF and other affected stakeholders in accordance with the *Environmental Management Act*.

- 4. Delete Section 11.4.1, Background, and Section 11.4.2, The Plan - Demolition and Construction Wood Debris, and replace with the following:

11.4.1 The Plan – Demolition and Construction Wood Debris

That no burning of demolition and construction waste be allowed, except as stipulated in Section 10.1.28.

- 5. Delete Section 11.5.1, Background, and Section 11.5.2, The Plan, and replace with the following:

11.5.1 The Plan

Subject to Board approval, the CRD may purchase an air monitoring device and develop an air management program in concert with the MELP, member municipalities and institutions.

- 6. Delete Appendix K, Highwest Waste Recyclers Ltd. Operating Plan.

This amendment supersedes any other part of the CRD Solid Waste Management Plan Revision 2 which it is in conflict with or in disagreement with this amendment.

**AMENDMENT NO. 6 APPROVALS:**

Capital Regional District Board Approval	<u>12th</u>	day of	<u>September</u>	2007
Ministry of Environment Approval	<u>27th</u>	day of	<u>February</u>	2008

