

# AMENDING APPROVAL

## PROVINCE OF ALBERTA

### ENVIRONMENTAL PROTECTION AND ENHANCEMENT ACT R.S.A. 2000, c.E-12, as amended.

APPROVAL NO. 78945-02-01

APPLICATION NO. 005-78945

EFFECTIVE DATE: August 25, 2020


EXPIRY DATE: JULY 1, 2026

APPROVAL HOLDER WEST DRIED MEAT LAKE REGIONAL SOLID WASTE AUTHORITY

ACTIVITY: Construction, Operation and Reclamation of the West Dried Meat Lake

Regional Class II and Class III Landfill, where more than 10,000 tonnes per year of non-hazardous waste are disposed of.

is subject to the attached terms and conditions.

Designated Director under the Act  Todd Aasen, P.Eng.

Date Signed August 25, 2020

*Environmental Protection and Enhancement Act* Approval No. 78945-02-00 is hereby further amended as follows:

1. **PART 1: DEFINITIONS, SECTION 1.1: DEFINITIONS**, (oooo) is added:

(oooo) "inert waste" means a solid waste that, when disposed of in a landfill or re-used, is not reasonably expected to undergo physical, chemical or biological changes to such an extent as to produce substances that may cause an adverse effect and includes without limitation, demolition debris, concrete, asphalt, glass, ceramic materials, scrap metal and dry timber or wood that has not been chemically treated;

2. **PART 3: LANDFILL CONSTRUCTION, SECTION 3.1: GENERAL**, Clause 3.1.4 is repealed and replaced with the following:

3.1.4 The Detailed Design Plan and Specifications in 3.1.3 for any new cell shall include a minimum all of the following:

- (a) a double liner for Class II cells;
- (b) a liner for Class III cells;
- (c) a leachate collection system capable of maintaining the maximum acceptable leachate head;
- (d) a groundwater monitoring system;
- (e) a run-on control system to prevent flow onto the landfill areas for a 1 in 25 years – 24 hour duration rainfall event, at a minimum; and
- (f) a run-off control system to collect, convey and store the run-off peak flow from the landfill areas resulting from a 1 in 25 years-24 hour duration rainfall event, at a minimum.

3. **PART 3: LANDFILL CONSTRUCTION, SECTION 3.1: GENERAL**, Clause 3.1.13 is added:

3.1.13 Liner for Class III cells shall be constructed, at a minimum, with the following:

- (a) with clay material that can be compacted to achieve an in-place hydraulic conductivity of  $1 \times 10^{-9}$  metres/second or less; and
- (b) having a minimum thickness of 0.5 m.

4. **PART 4: LANDFILL OPERATIONS, LIMITS, MONITORING AND REPORTING, SECTION 4.1: GENERAL**, Clause 4.1.3 is repealed and replaced with the following:

4.1.3 The approval holder shall operate and maintain the following waste management components at the landfill, unless otherwise authorized in writing by the Director:

- (a) a weigh scale;
- (b) Class II waste disposal cells;
- (c) Class III waste disposal cells;
- (d) a leachate storage pond;
- (e) run-on control systems;
- (f) run-off control systems;
- (g) groundwater monitoring wells;
- (h) subsurface landfill gas monitoring wells;
- (i) equipment for:
  - (i) spreading,
  - (ii) compacting.
  - (iii) excavating, and
  - (iv) placing cover soil or alternate cover materials;
- (j) moveable wind screens;
- (k) litter catching fences;
- (l) a control burning area;
- (m) a recyclables storage area;
- (n) a household hazardous waste storage area; and
- (o) areas for topsoil and subsoil conservation.

DATED August 25, 2020

  
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DESIGNATED DIRECTOR UNDER THE ACT