



Headquarters
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Ireland

TECHNICAL AMENDMENT A TO WASTE LICENCE

Licence Register Number:	W0049-02
Licensee:	Bord na Móna Energy Limited
Location of Facility:	Clonbullogue Ash Repository, Cloncreen Bog, Clonbullogue, County Offaly

Reasons for the Decision

The Environmental Protection Agency is satisfied, on the basis of the information available, that subject to compliance with the conditions of licence Reg. No. W0049-02 granted on 2nd October 2006, as well as any amendments noted herein, any emissions from the activity will comply with and not contravene any of the requirements of Section 40(4) of the Waste Management Acts 1996 to 2007.

Technical Amendment

In pursuance of the powers conferred on it by Section 42B(1)(c) of the Waste Management Acts 1996 to 2007, the Agency amends licence Reg. No. W0049-02, granted to Bord na Móna Energy Limited; Leabeg, Tullamore, Co. Offaly.

This technical amendment shall be cited as Amendment A to the licence (in pursuance of Section 42B(1) of the Waste Management Acts 1996 to 2007). Henceforth, the licence shall be read in conjunction with Amendment A set out below.

The amendment is limited to the following:

Amendments

Condition 6. Control and Monitoring

- 6.1.4 The frequency of leachate removal from the leachate holding lagoon shall be such that a minimum freeboard of 0.5m shall be maintained in the lagoon at all times. The required freeboard shall be clearly indicated in the lagoon.
- 6.1.5 None

Amend Condition 6.1.4 of the existing licence as above. Delete Condition 6.1.5 of the existing licence.

SCHEDULE B: Emission Limits

B.2 Emissions to Water

Emission Point Reference No.: L-2 ^{Note 1}

Name of Receiving Waters: Figile River (via the West-East Drain)

Parameter	Emission Limit Value
pH	6 - 10
Suspended Solids	35 mg/l
Flow	3.5 l/s ^{Note 2}

Note 1: These emission limit values apply to discharges from the leachate lagoon to discharge point L-2 as shown on Drawing No. 2401057-6 *Environmental Monitoring and Sampling Locations*.

Note 2: In the event of an emergency flood situation an alternative discharge rate may be agreed with the Agency.

Amend 'Schedule B.2: Emissions to Water' of the existing licence as above.

SCHEDULE C: Control & Monitoring

C.2.2 *Monitoring of Emissions to Water*

Emission Point Reference No.: Leachate Lagoon (L-2)

PARAMETER ^{Note 1}	SURFACE WATER Monitoring Frequency
Visual Inspection/Odour ^{Note 2}	Weekly
Level	Weekly
Flow Restriction	Weekly calibration/check
COD	Quarterly
Dissolved Oxygen	Quarterly
Electrical Conductivity	Quarterly
Ammoniacal Nitrogen	Quarterly
pH	Quarterly
Total Suspended Solids	Quarterly
Metals / non metals ^{Note 3}	Annually
List I/II organic substances (Screen) ^{Note 4}	Annually
Mercury	Annually
Sulphate (SO₄)	Annually
Total P (as orthophosphate)	Annually
Toxicity ^{Note 5}	As agreed by the Agency in accordance with Condition 6.15

- Note 1:** All the analysis shall be carried out by a competent laboratory using standard and internationally accepted procedures.
- Note 2:** Where there is evident gross contamination, additional samples should be analysed and the full suite of parameters shown tested.
- Note 3:** Metals and elements to be analysed by AA/ICP should include as a minimum: boron, cadmium, calcium, chromium (total), copper, iron, lead, magnesium, manganese, nickel, potassium, sodium and zinc.
- Note 4:** Samples screened for the presence of organic compounds using Gas Chromatography / Mass Spectrometry (GC/MS) or other appropriate techniques and using the list I/II Substances from EU Directive 76/464/EEC and 80/68/EEC as a guideline. Recommended analytical techniques include: volatiles (US Environmental Protection Agency method 524 or equivalent), semi-volatiles (USEPA method 525 or equivalent), and pesticides (USEPA method 608 or equivalent).
- Note 5:** The number of toxic units (Tu) = 100/x hour EC/LC50 in percentage vol/vol so that higher Tu values reflect greater levels of toxicity. For test regimes where species death is not easily detected, immobilisation is considered equivalent to death.

Amend 'Schedule C.2.2: Monitoring of Emissions to Water' of the existing licence as above.

C.2.3 *Monitoring of West-East Drain*

Emission Point Reference No.: SWR-1, SW4, SW8, SW7

Parameter	Monitoring Frequency	Analysis Method/Technique
Visual Inspection	Weekly	Sample and examine for colour and odour
pH	Quarterly	pH electrode/meter
Suspended Solids	Quarterly	Standard Method
COD	Quarterly	Standard Method
Ammonia	Quarterly	Standard Method

Amend 'Schedule C.2.3: Monitoring of Storm Water Emission' of the existing licence as above.

C.6 *Ambient Monitoring*

Receiving Water Monitoring

Emission Point Reference No.: SW5 and SW6

Location: Figile River. Location of monitoring points as shown on Drawing No. 2401057-6 *Environmental Monitoring & Sampling Locations*, unless otherwise agreed by the Agency.

Parameter	Monitoring Frequency	Analysis Method/Technique
Visual Inspection	Weekly	Sample and examine for colour and odour
pH	Quarterly	pH electrode/meter
Suspended Solids	Quarterly	Standard Method
COD	Quarterly	Standard Method
Ammonia	Quarterly	Standard Method

Amend Section 'Receiving Water Monitoring' in Schedule C.6 of the existing licence as above.

Sealed by the seal of the Agency on this the 29th day of January 2008

PRESENT when the seal of the Agency
was affixed hereto:

Padraic Larkin, Director/Authorised Person