Environmental Protection Agency
An Ghníomhaireacht um Chaomhnú Comhshaoil

Headquarters
P.O. Box 3000
Johnstown Castle Estate
County Wexford
Ireland

TECHNICAL AMENDMENT D
TO
WASTE LICENCE

Licence Register Number:	W0144-01
Licensee:	Oxigen Environmental
Location of Facility:	Coes Road, Dundalk, County Louth

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 register number W0144-01 granted on 6/2/2002 and amended on 26/9/2007, 3/12/2007 and 29/6/2016 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 Act 1996 as amended.

A screening for Appropriate Assessment was undertaken to assess, in view of best scientific knowledge and the conservation objectives of the site, if the activity, individually or in combination with other plans or projects is likely to have a significant effect on any European Site. In this context, particular attention was paid to the European Sites at Dundalk Bay SPA [004026] and Dundalk Bay SAC [000455].

The activity is not directly connected with or necessary to the management of any European Site and the Agency considered, for the reasons set out below, that it can be excluded, on the basis of objective information, that the activity, individually or in combination with other plans or projects, will have a significant effect on any European Site and accordingly determined that an Appropriate Assessment of the activity was not required.

The reasons for this determination are as follows:

- The species and habitats are water dependent and the installation of odour abatement equipment and a new emission point to air will have no adverse impact on them.
- Foul water arising at the facility is authorised to discharge to foul sewer for treatment at the Dundalk waste water treatment plant. The AER for 2015 shows compliance with licence emission limits.

Technical Amendment

In pursuance of the powers conferred on it by Section 42B(1)(b) of the Waste Management Act 1996 as amended, the Agency amends licence register number W0144-01, granted to Oxigen Environmental, Coes Road, Dundalk, Co Louth.

Henceforth, the licence shall be read in conjunction with Amendment A issued on 26/9/2007, Amendment B issued on 3/12/2007, Amendment C issued on 29/6/2016 and the amendments set out below.

This technical amendment is limited to the following:

- Glossary of Terms;
- Conditions 1, 3, 5, 6, 7 and 10; and
- Schedules C and D.

Amendments

Glossary of Terms

Treatment/pre-treatment Any manual, thermal, physical, chemical or biological processes that change the characteristics of the waste in order to reduce its volume or hazardous nature or facilitate its handling, disposal or recovery.

To be inserted into the Glossary of the existing licence.

Conditions of Licence

Condition 1 Scope of the Licence

1.11 With reference to class 11.4(b) of the First Schedule of the EPA Act 1992 as amended, the quantity of waste recovered and/or disposed of in any treatment process that involves the pre-treatment of waste for incineration or co-incineration shall not exceed 75 tonnes in any one day.

The new condition 1.11 above to be inserted after condition 1.10 of the existing licence.

Condition 3 Infrastructure

3.16 The licensee shall, by 30 June 2017, install in a prominent location on the site a wind sock or other wind direction indicator which shall be visible from the public roadway outside the site.

The new condition 3.16 above to be inserted after condition 3.15 of the existing licence.

Condition 5 Facility Operations

5.11 The floor and surfaces of the residual, food and other odour-forming waste areas shall be cleaned from waste debris daily or when cleared of waste and in any event every 48 hours, or 72 hours at bank holiday weekends.

5.12 All waste treatment equipment used during the storage, holding or treatment of residual, food and odour-forming waste shall be cleared of waste at an appropriate frequency.

The new conditions 5.11 and 5.12 above to be inserted after condition 5.10 of the existing licence.

Condition 6 Emissions

6.8 The licensee shall install and provide adequate measures for the control of odours from the facility.

6.9 From 30 June 2017, all buildings for the storage, holding or treatment of residual, food and odour-forming waste shall be maintained at negative air pressure with ventilated gases being subject to treatment.

6.10 From 30 June 2017, ventilated gases from all buildings for the storage, holding or treatment of residual, food and odour-forming waste shall be extracted at a volumetric rate adequate to ensure 4 air changes per hour in the ventilated area.

6.11 Test Programme

6.11.1 The licensee shall prepare a test programme for abatement equipment installed to abate emissions to atmosphere.

6.11.2 The programme shall be completed within three months of the commencement of operation of the abatement equipment.

6.11.3 The criteria for the operation of the abatement equipment, as determined by the test programme, shall be incorporated into the standard operating procedures.

6.11.4 The test programme shall as a minimum:

- establish all criteria for operation, control and management of the abatement equipment to ensure compliance with the emission limit values **and conditions of** this licence; and
- assess the performance of any monitors on the abatement system and establish a maintenance and calibration programme for each monitor.

6.11.5 A report on the test programme shall be submitted to the Agency within one month of completion.

The new conditions 6.8, 6.9, 6.10 and 6.11 above to be inserted after condition 6.7 of the existing licence.

Condition 7 Nuisance Control

7.5 All residual, food and other odour-forming waste accepted at the facility shall be removed from the facility within 48 hours of its arrival, or 72 hours for waste accepted during bank holiday weekends.

7.6 The loading and unloading of waste vehicles at buildings used for the storage, holding or treatment of residual, food and odour-forming waste shall take place within the envelope of the negative air pressure system.

7.7 The licensee shall, prior to 30 June 2017, prepare and maintain and, from 30 June 2017, implement a programme to demonstrate negative pressure and building envelope integrity throughout all buildings where residual, food or other odour-forming waste is deposited, stored or treated to ensure that there is no significant escape of odours. The programme shall also maintain all criteria for the operation and control of negative pressure. This programme shall be reviewed at least annually.

7.8 The licensee shall undertake, by 28 July 2017 and thereafter at a

frequency to be agreed or directed by the Agency, and in any case no less than once every three years, an odour impact assessment. The assessment shall identify and quantify all significant odour sources at the facility and shall include an assessment of the suitability and adequacy of the odour control system. Any recommendations arising from the odour impact assessment shall be implemented following agreement by the Agency.

7.9 All doors to buildings used for the storage, holding or treatment of residual, food and odour-forming waste shall be kept closed when not in use.

Delete condition 7.5 of the existing licence and replace with the above condition 7.5 and the new conditions 7.6, 7.7, 7.8 and 7.9.

Condition 10 Records

10.6 The licensee shall maintain adequate records and evidence to the satisfaction of the Agency that demonstrate compliance with condition 1.11.

10.7 The licensee shall maintain records and evidence to the satisfaction of the Agency that demonstrate compliance with condition 5.11.

The new condition 10.6 above to be inserted after condition 10.5 of the existing licence.

Schedules to Licence

SCHEDULE C: Emission Limits

C.4 Emission limit values for carbon filter emissions

Emission point reference number: A1-1

Location: Adjacent to municipal waste building

Grid reference: 306003 307035

Volume to be emitted: 26,000m^3/hour

Minimum discharge height: 20 metres above ground

Parameter	Emission limit value
Odour	300 OU_E/m^3

Insert the new Schedule C.4 above after Schedule C.3 of the existing licence.

SCHEDULE D: Monitoring

D.5 Control and monitoring of emissions to air

D.5.1 Control of emissions to air

Emission point reference number: A1-1

Description of treatment: Dust and carbon filtration

Control parameter	Monitoring	Frequency
Exhaust fans and ducting	Verify speed and ampage of fan on control panel.	Daily
	Duct volume control dampers: Blow down face of damper to remove dust build up.	Monthly
	Inspect impeller for signs of excessive vibration, corrosion or solids build-up.	Quarterly
	Inspect external housing for signs of corrosion or wear.	Quarterly
Reverse jet filter	Pressure drop across filter.	Continuous
	Compare pressure drops across filter shown on digital and analogue sensors to check for continuity.	Daily
	Empty dust bins below hoppers.	Monthly or more frequently if needed
	Open access doors and check for any damage to cartridges.	Monthly
Carbon absorber	Check pressure drop across absorber and compare with output on SCADA system.	Daily
	Perform olfactory test on outlet gas (sniff tubes) and facility boundary	Daily
	Check for settling of carbon within the absorber. Remove top access panels and top up when necessary.	Quarterly
Records	Maintain documentary evidence of monitoring performed in conformance with this table.	Daily

D.5.2 Monitoring of emissions to air

Emission point reference number: A1-1

Parameter	Monitoring frequency	Analysis method or technique
Mercaptans	Weekly	To be agreed by the Agency
Odour	Monthly	IS EN 13725
Gas velocity and volume flow	Monthly	To be agreed by the Agency
Total ammonia	Quarterly	To be agreed by the Agency
Amines	Quarterly	To be agreed by the Agency
Hydrogen sulphide	Quarterly	To be agreed by the Agency
Condensable VOCs	Quarterly	To be agreed by the Agency
TVOC as C	Quarterly	To be agreed by the Agency
Particulates	Quarterly	To be agreed by the Agency
Detailed record of waste activities ongoing and quantity of waste present at time of sampling	To coincide with monitoring events	Documentary record of waste types and quantities in the building.

Insert the new Schedule D.5 above after Schedule D.4 of the existing licence.

This technical amendment shall be cited as Amendment D (in pursuance of Section 42B(1) of the Waste Management Act 1996 as amended) to waste licence register number W0144-01.

Sealed by the seal of the Agency on this the day of 2017

PRESENT when the seal of the Agency was affixed hereto:

Authorised Person