



**OFFICE OF ENVIRONMENTAL
SUSTAINABILITY**

ENVIRONMENTAL LICENSING PROGRAMME

TO: Dara Lynott, Director

FROM: Brian Meaney, Inspector, Environmental Licensing Programme

DATE: 04/04/2017

RE: Technical amendment to Industrial Emissions licence register number W0232-01, held by Dublin Waste to Energy Limited, Arthur Cox Building, Earlsfort Terrace, Dublin 2.

The Agency received a request on 31/1/2017 from Dublin Waste to Energy Limited to make a technical amendment to licence register number W0232-01. The request relates to interpretation of monitoring data for carbon monoxide emissions.

This memo recommends that the change may be accommodated by a Technical Amendment, in accordance with Section 96(1)(c) of EPA Act 1992 as amended.

1. Background

Dublin City Council was granted waste licence register number W0232-01 on 1/12/2008 for a facility located at Pigeon House Road, Poolbeg, Dublin 4.

The licence was amended for the purposes of Section 76A(11) of the Waste Management Act 1996 as amended on 7/1/2014. The amendment gave effect to the requirements of the Industrial Emissions Directive (2010/75/EU) and the licence became an Industrial Emissions licence.

The Industrial Emissions licence was transferred to Dublin Waste to Energy Limited on 31/10/2014.

The licensee is authorised to carry out waste activities including waste incineration under classes 11.3(a) and 11.1 of the First Schedule to the EPA Act 1992 as amended.

2. Technical Amendment request

The licensee sought inclusion of the following text in Schedule B.1 of the licence:

"at least 95% of all 10-minute values taken in any 24 hour period shall not exceed 150 mg/m³ or all the half hourly average values taken in the same period shall not exceed 100 mg/m³"

and the replacement of existing footnotes to the table with a new set of footnotes.

3. Assessment

Schedule B Emission Limits of the licence specifies limit values and interpretation for carbon monoxide as follows:

Parameter	Units	Half-hour average	Daily average	Periodic
Carbon monoxide (CO) ^{Note 4}	mg/m ³	100 ^{Note 5}	50 ^{Note 6}	150 ^{Note 7}

Note 4: The emission limit values of carbon monoxide (CO) concentrations shall not be exceeded in the combustion gases (excluding the start-up and shut-down phase).

Note 5: Taken in any 24 hour period.

Note 6: 97% of the daily average value over the year does not exceed the emission limit value.

Note 7: 95% of all measurements determined as 10-minute average values shall not exceed the emission limit value.

To unambiguously reflect the provisions of point 1.1(d)(i) of Part 8 of Annex VI of the Industrial Emissions Directive, the table and the footnotes to the table should be amended as set out in the attached recommended technical amendment.

4. Consultation with the Office of Environmental Enforcement (OEE)

I consulted with the OEE senior inspector Dr Ian Marnane who confirmed that the proposed licence amendment cannot be accommodated under the existing licence. I also consulted with OEE during the drafting of the recommended technical amendment.

5. Appropriate Assessment

Table 1 lists the European Sites assessed, their associated qualifying interests and conservation objectives. A screening for Appropriate Assessment was undertaken and is documented in the attached recommended technical amendment.

Table 1 List of European Sites assessed, their associated qualifying interests and conservation objectives.

European Site	Distance from installation	Qualifying interests (* denotes a priority habitat)	Conservation objectives
South Dublin Bay and River Tolka SPA [004024]	Adjacent	Light-bellied Brent Goose (<i>Branta bernicla hrota</i>) [A046] Oystercatcher (<i>Haematopus ostralegus</i>) [A130] Ringed Plover (<i>Charadrius hiaticula</i>) [A137] Grey Plover (<i>Pluvialis squatarola</i>) [A141] Knot (<i>Calidris canutus</i>) [A143] Sanderling (<i>Calidris alba</i>) [A144] Dunlin (<i>Calidris alpina</i>) [A149] Bar-tailed Godwit (<i>Limosa lapponica</i>) [A157] Redshank (<i>Tringa totanus</i>) [A162] Black-headed Gull (<i>Chroicocephalus ridibundus</i>) [A179] Roseate Tern (<i>Sterna dougallii</i>) [A192]	As per NPWS (201□) Conservation Objectives: South Dublin Bay and River Tolka Estuary SPA 004024. Version 1. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht. (dated 9/3/2015)

		<p>Common Tern (<i>Sterna hirundo</i>) [A193]</p> <p>Arctic Tern (<i>Sterna paradisaea</i>) [A194]</p> <p>Wetland and Waterbirds [A999]</p>	
<p>South Dublin Bay SAC [000210]</p>	<p>230m</p>	<p>Mudflats and sandflats not covered by seawater at low tide [1140]</p> <p>Annual vegetation of drift lines [1210]</p> <p>Salicornia and other annuals colonising mud and sand [1310]</p> <p>Embryonic shifting dunes [2110]</p>	<p>As per NPWS (2013) Conservation Objectives: South Dublin Bay SAC 000210. Version 1. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht. (dated 22/8/2013)</p>
<p>North Dublin Bay SAC [000206]</p>	<p>2,450m</p>	<p>Mudflats and sandflats not covered by seawater at low tide [1140]</p> <p>Annual vegetation of drift lines [1210]</p> <p>Salicornia and other annuals colonising mud and sand [1310]</p> <p>Atlantic salt meadows (<i>Glauco-Puccinellietalia maritima</i>) [1330]</p> <p>Mediterranean salt meadows (<i>Juncetalia maritimi</i>) [1410]</p> <p>Embryonic shifting dunes [2110]</p> <p>Shifting dunes along the shoreline with <i>Ammophila arenaria</i> (white dunes) [2120]</p> <p>Fixed coastal dunes with herbaceous vegetation (grey dunes) [2130]</p> <p>Humid dune slacks [2190]</p> <p><i>Petalophyllum ralfsii</i> (Petalwort) [1395]</p>	<p>As per NPWS (2013) Conservation Objectives: North Dublin Bay SAC 000206. Version 1. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht. (dated 6/11/2013).</p>
<p>North Bull Island SPA [004006]</p>	<p>2,450m</p>	<p>Light-bellied Brent Goose (<i>Branta bernicla hrota</i>) [A046]</p> <p>Shelduck (<i>Tadorna tadorna</i>) [A048]</p> <p>Teal (<i>Anas crecca</i>) [A052]</p> <p>Pintail (<i>Anas acuta</i>) [A054]</p> <p>Shoveler (<i>Anas clypeata</i>) [A056]</p> <p>Oystercatcher (<i>Haematopus ostralegus</i>) [A130]</p> <p>Golden Plover (<i>Pluvialis apricaria</i>) [A140]</p> <p>Grey Plover (<i>Pluvialis squatarola</i>) [A141]</p> <p>Knot (<i>Calidris canutus</i>) [A143]</p> <p>Sanderling (<i>Calidris alba</i>) [A144]</p> <p>Dunlin (<i>Calidris alpina</i>) [A149]</p> <p>Black-tailed Godwit (<i>Limosa limosa</i>) [A156]</p> <p>Bar-tailed Godwit (<i>Limosa lapponica</i>) [A157]</p>	<p>As per NPWS (2015) Conservation Objectives: North Bull Island SPA 004006. Version 1. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht. (dated 9/3/2015)</p>

		<p>Curlew (<i>Numenius arquata</i>) [A160]</p> <p>Redshank (<i>Tringa totanus</i>) [A162]</p> <p>Turnstone (<i>Arenaria interpres</i>) [A169]</p> <p>Black-headed Gull (<i>Chroicocephalus ridibundus</i>) [A179]</p> <p>Wetland and Waterbirds [A999]</p>	
Howth Head SAC [000202]	7,600m	<p>Vegetated sea cliffs of the Atlantic and Baltic coasts [1230]</p> <p>European dry heaths [4030]</p>	As per NPWS (2016) Conservation Objectives: Howth Head SAC 000202. Version 1. National Parks and Wildlife Service, Department of Arts, Heritage, Regional, Rural and Gaeltacht Affairs. (dated 6/12/2016)
Rockabill to Dalkey Island SAC [003000]	7,250m	<p>Reefs [1170]</p> <p><i>Phocoena phocoena</i> (Harbour Porpoise) [1351]</p>	As per NPWS (2013) Conservation Objectives: Rockabill to Dalkey Island SAC 003000. Version 1. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht. (dated 7/5/2013)
Howth Head Coast SPA [004113]	9,960m	Kittiwake (<i>Rissa tridactyla</i>) [A188]	As per NPWS (2016) Conservation objectives for Howth Head Coast SPA [004113]. Generic Version 5.0. Department of Arts, Heritage, Regional, Rural and Gaeltacht Affairs. (dated 15/8/2016)

6. Recommendation

I recommend that the licence amendment is approved as set out in the attached recommended technical amendment. The making of the amendment will not result in the relevant requirements of Section 83(5) of the EPA Acts 1992 to 2012 ceasing to be satisfied.

Signed,



Inspector

Environmental Licensing Programme