



**OFFICE OF ENVIRONMENTAL
SUSTAINABILITY**

ENVIRONMENTAL LICENSING PROGRAMME

TO: Dara Lynott, Director

FROM: Brian Meaney, Inspector, Environmental Licensing Programme

DATE: 29 May 2017

RE: Technical Amendment to Industrial Emissions Licence Register Number W0167-03, held by Indaver Ireland Limited.

The Agency received a request on 21/10/2016 for a technical amendment of licence register number W0167-03. The request relates to the addition of a List of Waste code to the licence.

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

1. Background

Indaver Ireland Limited was granted a revised licence on 2/6/2015 for an installation located at Carranstown, Duleek, Co. Meath. The incineration installation is licenced under class 11.3 of the First Schedule to the 1992 EPA Act as amended.

A technical amendment to the revised licence was made on 21/6/2016 to provide for the storage of metals recovered from bottom ash.

2. Technical Amendment request

Schedule A.2 of licence register number W0167-03 lists the hazardous waste categories (specified by List of Waste (LoW)¹ code) that may be accepted at the installation. The licensee has sought the addition of the LoW code 19 02 08* to Schedule A.2 under the category "aqueous wastes". This LoW code is characterised as follows:

19 Wastes from waste management facilities, off-site waste water treatment plants and the preparation of water intended for human consumption and water for industrial use

19 02 wastes from physico/chemical treatments of waste (including dechromatation, decyanidation, neutralisation)

19 02 08* liquid combustible wastes containing hazardous substances

The 19 02 08* waste is generated at Indaver's solvent recovery facility at Dublin Port (licence register number W0036-02) and is currently exported for treatment. The solvent

¹ Formerly known as "EWC" or "European Waste Catalogue" codes.

recovery facility at W0036-02 includes a tank for aqueous or low calorific value waste. The liquid waste arrives at the recovery facility from pharmaceutical and chemical companies and is typically described by LoW codes as follows:

07 01 01*

07 05 01*

Both of these LoW codes are already authorised for acceptance for incineration at the installation.

When the different wastes are blended at W0036-02, the mixture becomes 19 02 08*, being a waste generated at a waste management facility.

This waste is capable of being treated at the licensee's Carranstown facility and the licensee states that its treatment in Ireland will improve the State's self-sufficiency in the treatment of hazardous waste.

The licensee intends completing a test programme in the near future and would like to include this LoW code in the programme.

All waste acceptance criteria and other limitations and restrictions in the licence will be applicable to the new waste stream, including chemical limits for hazardous waste and chlorine limits for all waste.

The licensee had also sought an increase in the quantity of hazardous "aqueous waste" authorised for treatment at the installation, but this request was withdrawn in an email dated 20/4/2017 and will not be considered further.

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

I have consulted with the OEE in relation to this technical amendment request who confirmed that the addition of the LoW code cannot be accommodated under the existing licence.

4. Assessment

The licensee confirmed by email dated 11/5/2017 that the acceptance of the new waste stream will not cause any failure to comply with relevant conditions of licence register number W0167-03, including waste acceptance limitations and emission limit values. There is no proposal to increase the quantity of hazardous waste already authorised for acceptance at the installation. There is no evidence to suggest that acceptance of the blended waste will cause a failure to comply with existing licence conditions including emission limit values.

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
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River Boyne and River Blackwater SAC [002299]	3 km	7230 Alkaline fens 91E0 Alluvial forests with <i>Alnus glutinosa</i> and <i>Fraxinus excelsior</i> (Alno-Padion, Alnion incanae; Salicion albae)* 1099 River Lamprey <i>Lampetra fluviatilis</i> 1106 Salmon <i>Salmo salar</i> 1355 Otter <i>Lutra lutra</i>	As per NPWS (2016) Conservation objectives for River Boyne and River Blackwater SAC [002299]. Generic Version 5.0. Department of Arts, Heritage, Regional, Rural and Gaeltacht Affairs. Dated 15/8/2016.
River Boyne and River Blackwater SPA [004232]	3 km	A229 Kingfisher <i>Alcedo atthis</i>	As per NPWS (2016) Conservation objectives for River Boyne and River Blackwater SPA [004232]. Generic Version 5.0. Department of Arts, Heritage, Regional, Rural and Gaeltacht Affairs. Dated 15/8/2016
Boyne Coast and Estuary SAC [001957]	7km	1130 Estuaries 1140 Mudflats and sandflats not covered by seawater at low tide 1310 Salicornia and other annuals colonizing mud and sand 1330 Atlantic salt meadows (<i>Glauco-Puccinellietalia maritima</i>) 1410 Mediterranean salt meadows (<i>Juncetalia maritimi</i>) 2110 Embryonic shifting dunes 2120 Shifting dunes along the shoreline with <i>Ammophila arenaria</i> ('white dunes') 2130 Fixed coastal dunes with herbaceous vegetation ('grey dunes')*	As per NPWS (2012) Conservation Objectives: Boyne Coast and Estuary SAC 001957. Version 1.0. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht. Dated 31/10/2012.
Boyne Estuary SPA [004080]	8 km	A048 Shelduck <i>Tadorna tadorna</i> A130 Oystercatcher <i>Haematopus ostralegus</i> A140 Golden Plover <i>Pluvialis apricaria</i> A141 Grey Plover <i>Pluvialis squatarola</i> A142 Lapwing <i>Vanellus vanellus</i> A143 Knot <i>Calidris canutus</i> A144 Sanderling <i>Calidris alba</i>	As per NPWS (2013) Conservation Objectives: Boyne Estuary SPA 004080. Version 1. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht. Dated 26/2/2013.

		A156 Black-tailed Godwit <i>Limosa limosa</i> A162 Redshank <i>Tringa totanus</i> A169 Turnstone <i>Arenaria interpres</i> A195 Little Tern <i>Sterna albifrons</i> A999 Wetlands	
River Nanny Estuary and Shore SPA [004158].	8km	A130 Oystercatcher <i>Haematopus ostralegus</i> wintering A137 Ringed Plover <i>Charadrius hiaticula</i> wintering A140 Golden Plover <i>Pluvialis apricaria</i> wintering A143 Knot <i>Calidris canutus</i> wintering A144 Sanderling <i>Calidris alba</i> wintering A184 Herring Gull <i>Larus argentatus</i> wintering A999 Wetlands	As per NPWS (2012) Conservation Objectives: River Nanny Estuary and Shore SPA 004158. Version 1.0. National Parks and Wildlife Service, Department of Arts, Heritage and the Gaeltacht. Dated 21/9/2012.

6. Recommendation

I recommend that technical amendment of licence register number W0167-03 is made in accordance with Section 96(1)(b) of the EPA Acts 1992 as amended.

I recommend that the licence amendment as set out in the attached Recommended Technical Amendment is approved. The making of the amendment will not result in the relevant requirements of Section 83(5) of the EPA Act 1992 as amended ceasing to be satisfied.

Signed,



Brian Meaney

Environmental Licensing Programme