

# EPA Application Form

## 8.1 - Waste Generated and Animal By-Products Generated - Attachment

**Organisation Name: \***

Indaver Ireland Ltd.

**Application I.D.: \***

LA001689

*Authorisation Application Form*

**Amendments to this Application Form Attachment**

<b>Version No.</b>	<b>Date</b>	<b>Amendment since previous version</b>	<b>Reason</b>
V.1.0	July 2017	N/A	Online application form attachment
As above	Mar 2018	Identification of required fields	Assist correct completion of attachment



## Authorisation Application Form

### **Waste Generated** (See **Note i** at the end of this attachment)

Attach evidence that demonstrates, in accordance with Articles 11(3) and 12(1)(h) of the Industrial Emissions Directive (for IE licence applications) and Article 4(1) of the Waste Framework Directive (for all applications), how the waste hierarchy (see **Note ii** at the end of this attachment) has been taken into account in the prevention and management of waste generated at the installation/facility (select Document Type: '**Waste Hierarchy**').

**Waste Hierarchy** evidence filename: \*

Attachment-4-3-8-Waste Hierarchy

### **Complete the table below in relation to waste generated at the installation or facility**

Describe, by completing the table below, the arrangements for the recovery or disposal of solid and liquid wastes generated. Use one row (at least) for each waste generated (*the following are examples: e.g., production waste, office waste, canteen waste, vehicle servicing waste, workshop waste, landfill leachate, liquid waste, yard sweepings, ash*). Where appropriate, attach analysis of the waste (include test methods and Q.C.) and period or periods of generation of the waste.

**Note:** This table is for waste generated as a result of the licensable and associated activities.

This table **is not** for waste accepted at the installation or facility (these details are required to be included elsewhere (in the Waste Activities Tab (4.3))).

List of Waste (LoW) Code entry *	Applicant's description of waste generated at the facility or installation *	Estimate or, for a licence review, actual tonnes generated per annum *	Is the waste recovered or disposed on-site or is it dispatched off-site to a waste facility? <sup>1*</sup>	Describe the disposal or recovery treatment technique *	Disposal / Recovery Code *
16 10 02	Water from our boiler blowdown/drained during shutdown	2000.0	Off-site	Waste water treatment	D9 Physico-chemical treatment (disposal)
17 09 04	Mixed construction and demolition waste	100.0	Off-site	Waste is bulked onsite prior to moving to another facility	R13 Storage pending recovery or recycling of waste

<sup>1</sup> Options: 'On-site' or 'Off-site'

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19 01 02	Ferrous metals removed from bottom ash on site using overband magnets	2400.0	Off-site	Waste is bulked onsite prior to moving to another facility	R4 Metal recycling or reclamation (to end-of-waste)
19 01 07*	Flue gas residue - if exported in bulk	9104.0	Off-site	Underground storage in a saltmine	R5 Inorganic materials recycling or reclamation (to end-of-waste)
19 01 12	Bottom ash from incineration of waste	52664	Off-site	Landfill of bottom ash (using as intermediate cover/road building)	R11 Use of waste obtained from any of the operations numbered R 1 to R 10
19 01 13*	Boiler ash (fly ash containing hazardous substances) - if exported in bulk	2000	Off-site	Underground storage in a saltmine	R5 Inorganic materials recycling or reclamation (to end-of-waste)
19 01 07*	Solidified Residues - Combination of 19 01 07 * and 19 01 13* with water if solidified on site in 1m3 bags	13880	Off-site	Underground storage in a saltmine - within Ireland	R5 Recycle reclamation of other inorganic materials
19 12 03	Non ferrous metal removed from the bottom ash using an eddy current system	240	Off-site	Flotation to split out various metals, then smelting	R4 Metal recycling or reclamation (to end-of-waste)
20 01 21*	Waste fluorescent lamps	0.1	Off-site	Treatment of lighting equipment, lamps and components and mercury recovery	R4 Metal recycling or reclamation (to end-of-waste)

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20 01 36	Waste electrical and electronic equipment and cabling	2	Off-site	Waste is bulked onsite prior to moving to another facility	R13 Storage pending recovery or recycling of waste
20 01 38	Broken timber pallets/wood	5	Off-site	Waste is bulked onsite prior to moving to another facility	R12 Production of fuel from waste incl. SRF and RDF
20 03 01	MSW waste which would not fit in the hopper	5	Off-site	Waste is bulked onsite prior to moving to another facility	R13 Storage pending recovery or recycling of waste
20 03 04	Septic tank sludge from shutdown activities.	40	Off-site	Waste water treatment	D9 Physico-chemical treatment (disposal) D13 Blending or mixing prior to submission to any of the operations numbered D 1 to D 12
Varia	Various Hazardous wastes from maintenance activities on site	1	Off-site	IND Transfer Station followed by disposal by high temperature incineration.	D10 Incineration on Land
Varia	Household waste generated on site (administration building)	5.5	On-site	Incineration	

\*add rows to the table as necessary



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The following should be provided where appropriate:

1. Analysis of the waste (include test methods and Q.C.)
2. Its location of storage and the manner by which the integrity/impermeability of storage areas is maintained
3. Period or periods of generation of the waste.



### Authorisation Application Form

#### Animal By-Products

Complete this table for any animal by-products generated whether classified as waste or not.

Description of material	Estimate <u>or</u> for licence reviews, actual tonnes generated per annum	Is the animal by-product used on-site <u>or</u> is it dispatched off-site to another facility? <sup>2</sup>	Describe the disposal or recovery treatment technique	Disposal / Recovery Code	Describe off-site uses (where applicable)
N/A	N/A	N/A	N/A	N/A	N/A

\*add rows to the table as necessary

<sup>2</sup> Options: 'On-site' or 'Off-site' or 'not classified as waste'.

## *Authorisation Application Form*

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**Note i** **Waste Generated**

This part of the form collects data and information on the management of waste generated at the facility or installation. (Do not repeat information already provided in Tab 4 on Waste Activities, where applicable).

Waste must be managed without endangering human health and harming the environment, and in particular without risk to water, air, soil, plants or animals, without causing a nuisance through noise or odours, and without adversely affecting the countryside or places of special interest. Measures must be taken to ensure that waste generation is avoided in accordance with the waste hierarchy in Council Directive 98/2008/EC on waste and section 21A of the Waste Management Act 1996, as amended. Where waste is generated, it must be prepared for re-use, recycled or recovered or, where that is technically and economically impossible, it can be disposed of while avoiding or reducing any impact on the environment (applicants should provide this information in the context of the Waste Management Act 1996 as amended).

**Note ii** **Waste Hierarchy**

Describe what measures will be taken to prevent the generation of waste to the extent possible. State whether the operator of the installation or facility has participated in any projects under the National Waste Prevention Programme.

Where waste is generated at the installation or facility, describe how it will be, in order of priority in accordance with section 21A of the Waste Management Act 1996, as amended, prepared for re-use, recycling, recovery or where that is not technically or economically possible, disposed of in a manner which will prevent or minimise any impact on the environment.

Section 29(2A) of the Waste Management Act 1996, as amended states that it shall be the duty of waste producers and holders to ensure that waste undergoes recovery operations in accordance with sections 21A and 32(1) of the Acts.

For waste whose generation cannot be prevented, describe what measures will be in place to ensure that waste is collected separately (if technically, environmentally and economically practicable) and will not be mixed with other waste or other material with different properties.