

EPA Application Form

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

Organisation Name: *

Indaver Ireland Limited

Application I.D.: *

LA010332

Authorisation Application Form

Amendments to this Application Form Attachment

Version No.	Date	Amendment since previous version	Reason
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? ^{1*}	Describe the disposal or recovery treatment technique *	Disposal / Recovery Code *
20 03 01 B	Municipal mixed residual non-household	5.5	On-site	Use principally as a fuel or other means to generate energy	R01
13 08 99*	Wastes not otherwise specified	1	Off-site	Oil re-refining or other reuses of oil	R09
16 10 02	Aqueous liquid wastes other than those mentioned in 16 10 01	600	Off-site	Biological treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12	D08

¹ Options: '**On-site**' or '**Off-site**'

Authorisation Application Form

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? ^{1*}	Describe the disposal or recovery treatment technique *	Disposal / Recovery Code *
19 01 02	Ferrous materials removed from bottom ash	3,500	Off-site	Recycling / reclamation of metals and metal compounds	R04
19 01 07*	solid wastes from gas treatment	16,000 approx.	Off-site	Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage, pending collection, on the site where the waste is produced)	R5
19 01 12	bottom ash and slag other than those mentioned in 19 01 11	1,000	Off-site	Blending or mixing prior to submission to any of the operations numbered D 1 to D 12	D13
19 01 12	bottom ash and slag other than those mentioned in 19 01 11	36,029	Off-site	Specially engineered landfill (e.g. placement into lined discrete cells which are capped and isolated from one another and the environment, etc.)	D05
19 01 13*	fly ash containing hazardous substances from boiler cleaning works	100	Off-site	Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage, pending collection, on the site where the waste is produced)	D12
19 12 03	Non-ferrous metal	700	Off-site	Recycling/reclamation of metals and metal compounds	R04
20 01 36	Household other waste electrical and electronic equipment, non-hazardous	0.69	Off-site	Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage, pending collection, on the site where	R13

Authorisation Application Form

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? ^{1*}	Describe the disposal or recovery treatment technique *	Disposal / Recovery Code *
				the waste is produced)	
20 03 04	Septic tank sludge	175.72	Off-site	Biological treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any of the operations numbered D 1 to D 12	D08
20 03 07	Bulky waste non-household	9.84	Off-site	Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes)	R03
19 01 15*	Boiler Ash and Flue Gas Cleaning Residues	39,000	Off-site	Storage of waste pending any of the operations numbered R 1 to R 12 (excluding temporary storage, pending collection, on the site where the waste is produced)	R5

*add rows to the table as necessary

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.

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? ²	Describe the disposal or recovery treatment technique	Disposal / Recovery Code	Describe off-site uses (where applicable)
Not Applicable					

*add rows to the table as necessary

² Options: 'On-site' or 'Off-site' or 'not classified as waste'.

Authorisation Application Form

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.