

# EPA Application Form

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

**Organisation Name:**

AbbVie Ireland NL B.V.

**Application I.D.:**

LA001712

*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

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## 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-8-1-2 Waste Mgt and 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
<b>Existing</b>					
08 01 11*	PAINT/VARNISH ORGANIC LIQ- 200L	0.034	Dispatched offsite to a waste facility	Incineration with energy recovery	D15/D10
08 03 12*	INK WASTE LIQUID - 25L	0.124	Dispatched offsite to a waste facility	Transfer	D15
08 03 12*	INK WASTE LIQUID- 200L	0.751	Dispatched offsite to a waste facility	Incineration with energy recovery	D15/D10

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

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13 01 13*	ORGANIC HYDRAULIC OIL	0.179	Dispatched offsite to a waste facility	Incineration with energy recovery	D15/D10
13 01 13*	ORGANIC HYDRAULIC OIL 200L	0.098	Dispatched offsite to a waste facility	Incineration with energy recovery	D15/D10
15 01 01	CARDBOARD AND PAPER BALES	12.95	Dispatched offsite to a waste facility	Recycling/reclamation of organic substances	R12/R3
15 01 06	DRY MIXED RECYCABLES	9.632	Dispatched offsite to a waste facility	Recycling/reclamation of organic substances	R12/R3
15 01 10*	Combi drum containing empty bottles of IPA	0.245	Dispatched offsite to a waste facility	Incineration with energy recovery	D15/D10
15 02 02*	Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, e.g. IPA wipes, Protective clothing contaminated by dangerous substances.	1.689	Dispatched offsite to a waste facility	Incineration with energy recovery	D15/D10
16 02 13*	Discarded equipment containing hazardous components	1.085	Dispatched offsite to a waste facility	Recycling/reclamation of metals and metal compounds	R12/R4
16 02 14	NON HAZ WEEE-CYLINDERS- EMPTY - WAT	0.159	Dispatched offsite to a waste facility	Recycling/reclamation of metals and metal compounds	R4
16 03 04	SUB ASSEMBLY PRODUCT PENS	0.66	Dispatched offsite to a waste facility	Use principally as a fuel or other means to generate energy	R12/R1
16 03 05*	Injection pens containing Humira Product and off-spec liquid	0.833	Dispatched offsite to a waste facility	Incineration with energy recovery	D15/D10

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16 05 06*	LAB SMALLS LIQUID	0.103	Dispatched offsite to a waste facility	Incineration with energy recovery	D15/D10
17 09 04	C & D WASTE	34.5	Dispatched offsite to a waste facility	Recycling/reclamation of other inorganic materials	R13/R5
18 01 03*	Biohazardous waste	0.06	Dispatched offsite to a waste facility	Incineration with energy recovery	D15/D10
18 02 02*	Injection pens and medical waste	0.034	Dispatched offsite to a waste facility	Incineration with energy recovery	D15/D10
20 01 08	BIODEGRADABLE FOOD WASTE	4.808	Dispatched offsite to a waste facility	Recycling/reclamation of organic substances	R3
20 01 21*	200121* FLUORESCENT TUBE	0.1	Dispatched offsite to a waste facility	Recycling/reclamation of metals and metal compounds	R4
20 01 39	Plastic trays, pallets, PP, PET, PVC, tubing.	29.55	Dispatched offsite to a waste facility	Recycling/reclamation of organic substances	R12/R3
20 01 40	Stainless steel, mixed metal, clad steel of cooling tower	50.94	Dispatched offsite to a waste facility	Recycling/reclamation of metals and metal compounds	R12/R4
20 03 01	Mixed municipal waste	22.745	Dispatched offsite to a waste facility	Use principally as a fuel or other means to generate energy	R12/R1
20 03 07	C&I DRY MIXED	37.78	Dispatched offsite to a waste facility	Use principally as a fuel or other means to generate energy	R12/R1
<b>NEW</b>					
07 05 14	Autoclaved filters / bags / tubing – single use items generated daily from standard production processes.	<7	Off site	Offsite disposal or recovery as appropriate	D or R

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07 05 14	Miscellaneous Process items (autoclaved) – single use items generated daily from standard production processes.	<4	Off site	Offsite disposal or recovery as appropriate	D or R
07 05 14	Miscellaneous Process items (no product contact) – single use items generated daily from standard production processes.	<5	Off site	Offsite disposal or recovery as appropriate	D or R
07 05 13	Spent IPA wipes – single use items generated daily from standard production processes.	<2	Off site	Offsite disposal	D
20 01 27	Waste Resins from Chromatography–single use items generated daily from standard production processes.	<3	Off site	Offsite disposal	D
07 05 04	Solvent Waste – generated weekly from lab processes and some production processes	<2	Off site	Offsite disposal	D
16 05 06, 16 09 04	Laboratory Samples and Waste (various types) – generated weekly from laboratory processes only	<3.5	Off site	Offsite disposal	D
16 05 09	Coolant Waste – generated periodically from Maintenance Functions	<1	Off site	Offsite recovery	R

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16 10 01* 18 01 08* (cyto-toxic medicines)	High High Strength Wastewater	3120	Off site	Offsite disposal - incineration	D

The following should be provided where appropriate:

1. Analysis of the waste (include test methods and Q.C.)
  - a. **No analysis is completed for existing waste types. The approved disposal contractor relies on the detail provided by Abbvie as well as the supporting SDS sheet. This will apply to new wastes from the bio-chemical production suite.**
  - b. **Wastewater analysis for high high strength wastewater will not be required by Indaver. Information on the potential toxins contained in the wastewater will be provided to Indaver prior to offsite removal.**
2. Its location of storage and the manner by which the integrity/impermeability of storage areas is maintained
  - a. **At the existing facility, all hazardous and some non-hazardous wastes are stored within a designated waste storage area inside the Warehouse. Hazardous wastes are stored in a designated mobile bund.**
  - b. **Some non-hazardous wastes (general waste, mixed recycling waste, metal waste, C&D waste) will be stored in external skips.**
  - c. **Wastes generated in the new production suite (excluding high high strength wastewater) will be stored within a designated waste storage area inside the Warehouse. Hazardous wastes are stored in a designated mobile bund. Spent IPA wipes and other hazardous solid wastes will be double bagged.**
3. Period or periods of generation of the waste.
  - a. **Indaver move a consignment of hazardous waste offsite on a weekly basis.**
  - b. **Non-hazardous waste moves offsite on a weekly basis.**
  - c. **The high high strength wastewater tank will be emptied weekly or bi-weekly dependant on the load.**

## 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)
Experimental animal waste Swine carcass  <i>Classified under Category 1 (iv) experimental animals as defined in 2009 by Regulation (EC) No 1069/2009 Article 8 (a)(iv) animals used for experiments as defined by Article 2(d) of Directive 86/609/EEC without prejudice to Article 3(2) if Regulation (EC) No 1831/2003</i>	0.100	Off Site	Incineration on land	D10	N/A

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\*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.