

EPA Application Form

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

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Organisation Name: *

Amazon Data Services Ireland Limited

Application I.D.: *

LA007495

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

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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 8.1.1 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 *
Domestic Type Wastes					
20 01 01 - paper and cardboard 20 01 39 - plastics	Dry Mixed Recyclables (DMR) primarily generated from canteens and offices in each data storage facility	130.4 tonnes (as 6x the DUB 54 annual tonnage)	Off site	Recycling / reclamation	R1 or R3

¹ Options: 'On-site' or 'Off-site'

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20 01 08 - Biodegradable kitchen and canteen waste	Food / Organic waste generated from canteens in each data storage facility	6.8 tonnes (as 6x the DUB 54 annual tonnage)	Off site	Recovery	R3
20 01 38 - wood other than that mentioned in 20 01 37	Wood (pallets) from deliveries	1.53 (estimate based on other site)	Off site	Recycling	R3
20 01 02 - Glass	Glass generated from canteens in each data storage facility	Very low quantities	Off site	Recycling	R5
08 03 15 – ink sludges other than those mentioned in 08 03 14	Waste Printer Cartridges/Toners generated from office activities	c. 3 printer cartridges per year per data storage facility	Off site (Vendor Managed)	Returned to vendor for reuse.	Handled by Vendor
Wastes from Maintenance Activities					
15 02 03 - Absorbents, filter materials, wiping cloths and protective materials other than those mentioned in 15 02 02*	Filters and other Media including: <ul style="list-style-type: none"> Air Filters Evaporative Media Containment Curtains 	c. 0.5 tonnes –	Off site	Recycling or Disposal	R1, R3 or R5
15 02 02* - absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective	Waste from minor spills	6 x 200L drums (estimate based on annual figures)	Off site	Incineration at Waste to Energy Facility	R12

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clothing contaminated by dangerous substances					
15 02 02* - absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances	Other Filters containing hazardous substances	0.7 tonnes	Off site (Vendor Managed)	Handled by Vendor (Recovery or Disposal)	Handled by Vendor
13 02 05* - mineral-based non-chlorinated engine, gear and lubricating oils	Used oil	Vendor Managed	Off site (Vendor Managed)	Handled by Vendor (Recovery)	Handled by Vendor (R13)
13 05 07* - oily water from oil/water separators	Oily water from separators	15 tonnes (as 3x the DUB 54 and 64 annual tonnage for 2019)	Off site (Vendor Managed)	Handled by Vendor (Recovery or Disposal)	Handled by Vendor (R13/D15)
08 01 12 – waste paint or varnish other than those mentioned in 08 01 11, 08 01 20 – aqueous suspensions, 08 01 99 – wastes not otherwise specified	Paints (Latex and Oil), Paint Thinners, Paint Primers and other chemical residues in empty containers	Very Low Quantities, not generated under usual circumstances – handled by Vendor	Off site (Vendor Managed)	Handled by Vendor (Recovery or Disposal)	Handled by Vendor (R13/D15)

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15 01 10* - Packaging containing residues of or contaminated by dangerous substances	Aerosol cans (Empty)	Very low quantities	Off site (Vendor Managed)	Handled by Vendor (Recycling)	Handled by Vendor (D15)
20 01 21* - fluorescent tubes and other mercury-containing waste ²	Fluorescent lamps	c. 20kg ³	Off site	Metal recycling/reclamation	R4
E-Waste					
16 06 05	Lithium batteries	0.075 tonnes	Off site	Recycling	R4
16 06 01*	Lead Acid Sealed Batteries	0.3 tonnes	Off site	Recycling	R6
20 01 36	Miscellaneous Parts and Equipment inc. fans, hard drives, cables, connectors (Non Hazardous)	59.87 tonnes	Off site	Metal recycling/reclamation	R4
20 01 36	Miscellaneous Parts and Equipment needing refinement inc. PCBAs, switches, servers, transformers, CPUs, laptops (Non Hazardous)	3.55 tonnes	Off site	Metal recycling/reclamation	R4
20 01 40	Metals (copper, steel, aluminium)	5.09 tonnes	Off site	Metal recycling/reclamation	R4

² All fluorescent tubes are replaced with LEDs when they reach their expiry date fluorescent tubes will not be installed in newer DCs (Buildings C-F)

³ Until they are all replaced.

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20 01 39	Recycle Plastic General	0.12 tonnes	Off site	Incineration	D10
200135	Broken Office Equipment (with no other life)	0.125 tonnes	Off site	Metal recycling/reclamation	R4
16 06 04	alkaline batteries (except 16 06 03)	16kg	Off-site	Metal recycling/reclamation	R4

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.

Provided as part of Attachment 8.1.1.

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Authorisation Application Form

Animal By-Products

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

Not Applicable

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? ⁴	Describe the disposal or recovery treatment technique	Disposal / Recovery Code	Describe off-site uses (where applicable)

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*add rows to the table as necessary

⁴ 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.