

EPA Application Form

7.1 - Emissions Overview Attachment

Organisation Name: *

Amazon Data Services Ireland Limited

Application I.D.: *

LA007495

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7. Emissions Overview



Main Emissions/Discharges



Select the emission(s)/discharge thematic(s) (environmental media) applicable to the activity in the table below. Enter the number of main emission points for each thematic and complete the table below.

The following table contains additional guidance for certain fields where you see a small red triangle in the cell. To view the guidance simply hover over the relevant cell.

Emission/Discharge Thematic	Thematic Applicable to Application? *	Number of main emission points? *	Does emission have trans-boundary potential? *	Upload a Report on Compliance with current ELVs (where applicable) include results of recent emission monitoring for each thematic identified * - enter filename in table below
Surface Water	Yes	1	No	See Attachment 7-1-3-1
Sewer (Not Storm Water)	No	2	No	See Attachment 7-1-3-1
Air	Yes	0	No	See Attachment 7-1-3-1
Noise	Yes	n/a	No	See Attachment 7-1-3-1
Ground, Groundwater and/or Landspreading	No	0		See Attachment 7-1-3-1
Storm Water	Yes	1	No	See Attachment 7-1-3-1
Total:		4		

Receiving Environment



For each applicable thematic listed below - upload an impact assessment of the emissions/discharges on the receiving environment.

The following table contains additional guidance for certain fields where you see a small red triangle in the cell. To view the guidance simply hover over the relevant cell.

Emission/Discharge Thematic	Thematic Applicable to Application?	Upload 'receiving environment report' and an 'emissions impact assessment' with your application - enter filename in table *
Surface Water	Yes	Attachment-7-1-3-2-Water & Soil Emissions Impact
Air	Yes	Attachment-7-1-3-2-Air Emissions Impact
Noise	Yes	Attachment-7-1-3-2-Noise Emissions Impact
Ground (and/or Landspreading)	No	Attachment-7-1-3-2-Water & Soil Emissions Impact

* indicates required field

Guidance on the information required in the upload documents is included below**Guidance on the content of Reports on Compliance**

For each relevant thematic (environmental media), include results of emission monitoring and other data, that enables a comparison of the operation of the installation/facility with the best available techniques (BAT).

For Industrial Emission Licence applications this must enable a comparison of the installation with BAT described in the applicable BAT conclusions and with the emission levels associated with the best available techniques in accordance with Section 86A(9) of the Act of 1992 as amended.

The report(s) on compliance should be uploaded under section '**7.1.3 Additional Documents**'. Select Document Type: '**Emissions Compliance Report**' for the upload(s).

Impact Assessment of Emissions/Discharges

Provide an assessment of the effects of any emissions on the environment, including on an environmental medium other than that into which the emissions are made.

Describe, where appropriate, measures for minimising pollution over long distances or in the territory of other states.

Guidance on Assessment of Impact on Receiving Surface Water

Describe the existing environment in terms of water quality with particular reference to environmental quality objectives and standards and any objectives and standards laid down for protected areas.

Include a statement whether or not emissions of main polluting substances (as defined in the Schedule of EPA (Licensing)(Amendment) Regulations 2004, S.I. No. 394 of 2004) to water are likely to impair the environment.

Indicate whether or not the activity complies with the requirements of the EC Environmental Objectives (Surface Waters) Regulations 2009, S.I. No. 272 of 2009.

If the discharge is to water body that is already achieving high status, or if the discharge is to waters draining to the surface water bodies identified under the First Schedule of the EC Environmental Objectives (Freshwater Pearl Mussel) Regulations 2009, compliance must be with the 95%ile high status limits.

Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Full details of the assessment and any other relevant information on the receiving environment should be uploaded.

For emissions outside emission limit established according to the combined approach, a full evaluation of the existing abatement/treatment system must be provided. A planned programme of improvement towards meeting the upgraded standards is required. This should highlight specific goals and a time scale, together with options for modification, upgrading or replacement as required to bring the emissions within the limits established in accordance with the combined approach.

Any relevant additional information/supporting should be included in the upload.

Guidance on Assessment of Atmospheric Emissions

Describe the existing environment in terms of air quality with particular reference to ambient air quality standards.

Provide a statement as to whether or not emissions of main polluting substances (as defined in the Schedule of EPA (Industrial Emissions)(Licensing) Regulations 2013, S.I. No. 137 of 2013) to the atmosphere are likely to impair the environment.

Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

This upload should also contain full details of any dispersion modelling of atmospheric emissions from the activity, where required. When carrying out dispersion modelling, regard should be had to the EPA "Air Dispersion Modelling from Industrial installations Guidance Note (AG4)" or similar guidelines from a recognised authority.

Describe, where appropriate, measures for minimising pollution over long distances or in the territory of other states.

Any relevant additional/supporting information should be included in the upload.

Guidance for the content of a Noise Emissions Impact Assessment

Give details and an assessment of the impacts of any existing or proposed noise emissions on the environment, including environmental media other than those into which the emissions are to be made.

The Agency's Guidance Note for Noise: Licence Applications, Surveys and Assessments in Relation to Scheduled Activities (NG4) (2012) should be consulted (available on www.epa.ie) where a noise impact assessment is required. A planned programme of improvement towards meeting upgraded standards is required and should have due regard to the noise control and mitigation measures outlined in section 8 and appendix (IX) of the Guidance Note. This programme should highlight specific goals and a time scale, together with options for modification, upgrading or replacement, as required, to bring the emissions within the limits as set out in the Guidance Note.

Prediction models, maps (no larger than A3), diagrams and supporting documents, including details of noise attenuation and noise proposed control measures to be employed, should form part of the upload.

(i) State the maximum Sound Pressure Levels which will be experienced at typical points on the boundary of the operation. (State sampling interval and duration)

(ii) State the maximum Sound Pressure Levels which will be experienced at typical noise sensitive locations, outside the boundary of the operation.

(iii) Give details of the background (or residual) noise levels experienced at the site in the absence of noise from this operation.

Details of proposed noise limit criteria must be included in the Tab 7.5 - 'Noise Emissions Attachment'.

Any relevant additional/supporting information should be included in the upload.

Guidance on Assessment of Impact of Ground/Groundwater Emissions

For the Landspreading of agricultural manures or other organic fertilisers - complete the applicable 'Landspreading Controls' template in Tab 7.6.1 -'Emissions to Ground and/or Landspreading' attachment and either the '**7.6.2(a) Landspreading Controls - Agri - Attachment**' or '**7.6.2(b) Landspreading Controls (Non-Agri) Attachment**'. In this case include a comment in this table to refer to the upload in tab 7.6.2 of the application form.

For other existing or proposed emissions to ground/groundwater the scope and detail of this assessment will depend to a large extent on the extent and type of emissions to ground at any site, which in turn are related to the risk. Describe the existing groundwater quality. Give summary details and an assessment of the impacts of any existing or proposed emissions on the ground (aquifers, soils, sub-soils and rock environment), including any impact on environmental media other than those into which the emissions are to be made. This includes, land injection, etc. The requirements of the European Communities Environmental Objectives (Groundwater) Regulations 2010 (S.I. No. 9 of 2010) should be considered. Information should be provided on the manner in which these Regulations were taken into account in the assessment of the impact of the activity on groundwater. The upload should also contain full details of any modelling carried out of the potential impact of emissions from the activity on groundwater. Any relevant additional/supporting information should be included in the upload.

Ground and/or Groundwater Contamination

Summary details of known ground and/or groundwater contamination, historical or current, on or under the site must be given. Indicate whether or not compliance with the requirements of the EC Environmental Objectives (Groundwater) Regulations 2010, S.I. No. 9 of 2010 can be achieved. Full details including all relevant investigative studies, assessments, or reports, monitoring results, location and design of monitoring installations, plans, drawings, documentation, including containment engineering, remedial works, and any other supporting information should be included in the upload attachment.

Baseline Report

In the case of an Industrial Emissions Directive activity that involves the use, production or release of relevant hazardous substances (as defined in section 3 of the EPA Act 1992 as amended), and having regard to the possibility of soil and groundwater contamination at the site of the installation, should provide a baseline report in accordance with Section 86B of the EPA Act 1992 as amended. Where required the baseline report should be included Tab 4.8 'Reports' in the application form. You may include cross references in this assessment to information provided in the uploaded baseline report where applicable.