

EPA Application Form

7.3.1 - Emissions to Sewer - Attachment

Organisation Name:

Advanced Environmental Solutions (Ireland) Ltd.

Application I.D.:

LA001648

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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

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Emissions to Sewer Attachment (See **Note i** at end of this attachment)

The information contained in this attachment will be forwarded to the relevant Water Services Authority in which the sewer is vested or by which the sewer is controlled, under Section 99E of the EPA Act 1992 as amended or Section 52 of the Waste Management Act 1996 as amended. Please ensure that you have provided all the information in this attachment that the Water Services Authority require for deciding whether to authorise your discharge to sewer.

Waste Water to Sewer - Emission Point Details (See **Note ii** at the end of this attachment) - one row per emission point

Complete the table below for each emission point to sewer

Emission Point Code ¹	What is the Emission Source?	Emission Point Grid Ref.		Volume to be emitted		Period of emission (average)		Measures to reduce/minimise /prevent emissions (list techniques)
		Easting ²	Northing ³	Max. rate/hour (m ³)	Max. day (m ³)	days/year	hr/day	
SE1	Wash water from the vehicle/bin wash areas and small amounts of liquid present in the incoming wastes. Sanitary wastewater	184934	178836		5			-

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¹ The following convention should be observed when labelling sewer emission points:

- SE1, SE2, ..., etc.,
- ² Six Digit GPS Irish National Grid Reference
- ³ Six Digit GPS Irish National Grid Reference

Authorisation Application Form

Emission Point Code ¹	What is the Emission Source?	Emission Point Grid Ref.		Volume to be emitted		Period of emission (average)		Measures to reduce/minimise /prevent emissions (list techniques)
		Easting ²	Northing ³	Max. rate/hour (m ³)	Max./day (m ³)	days/year	hr/day	

* add rows to the table as necessary

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Waste Water to Sewer - Emission Monitoring Points

Complete the table below with an individual record (i.e., row) for each monitoring/sampling point. A National Grid Reference (12 digit, 6E, 6N) must be entered for each monitoring/sampling point.

Emission Point Code	Monitoring/Sampling Point Code	Monitoring/Sampling Point Grid Ref.	
		Easting ¹	Northing ²
SE1	SE1	184934	178836

* add rows to the table as necessary

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Waste Water to Sewer- Emissions

Complete the table below for each emission point – add a new row for each parameter (See **Note iii** at the end of this attachment for further information)

Emission Point Code	Parameter	Monitoring Point Code	Proposed Emission Limits			Monitoring / Sampling		
			Max. Hourly (mg/l)	Max. Daily (kg/day)	Annual (kg/year)	Proposed Monitoring Frequency	Sample Method	Analysis Method and Technique

Authorisation Application Form

Emission Point Code	Parameter	Monitoring Point Code	Proposed Emission Limits			Monitoring / Sampling		
			Max. Hourly (mg/l)	Max. Daily (kg/day)	Annual (kg/year)	Proposed Monitoring Frequency	Sample Method	Analysis Method and Technique
SE1	pH	SE1	Unknown	Unknown	No pH value shall deviate from the specified range.	Monthly	composite	pH Meter (Electrode)
SE1	COD	SE1	Unknown	Unknown	All values < ELV	Monthly	composite	Spectrophotometry (Colorimetry)
SE1	BOD	SE1	Unknown	Unknown	All values < ELV	Quarterly	composite	Dissolved Oxygen Meter (Electrode)
SE1	Ammonia (as N)	SE1	Unknown	Unknown	All values < ELV	Quarterly	composite	Spectrophotometry (Colorimetry)
SE1	Suspended Solids	SE1	Unknown	Unknown	All values < ELV	Monthly	composite	Gravimetric analysis
SE1	Hydrocarbons	SE1	Unknown	Unknown	All values < ELV	Quarterly	composite	GC (Gas Chromatography)
SE1	Sulphate	SE1	Unknown	Unknown	All values < ELV	Quarterly	composite	Ion Chromatography
SE1	Fats, Oils and Greases	SE1	Unknown	Unknown	All values < ELV	Quarterly	composite	Gravimetric analysis
SE1	Detergents (as MBAS)	SE1	Unknown	Unknown	All values < ELV	Quarterly	composite	Spectrophotometry (Colorimetry)
SE1	Ortho-phosphate (as PO4)	SE1	Unknown	Unknown	All values < ELV	Quarterly	composite	Spectrophotometry (Colorimetry)
SW-1	pH	SW-1	Unknown	Unknown	No pH value shall deviate from the specified range.	Monthly	discrete	pH Meter (Electrode)



Authorisation Application Form

Emission Point Code	Parameter	Monitoring Point Code	Proposed Emission Limits			Monitoring / Sampling		
			Max. Hourly (mg/l)	Max. Daily (kg/day)	Annual (kg/year)	Proposed Monitoring Frequency	Sample Method	Analysis Method and Technique
SW-1	Conductivity	SW-1	Unknown	Unknown	All results < 1.2 x ELV	Monthly	discrete	Conductivity Meter (Electrode)
SW-1	COD	SW-1	Unknown	Unknown	All results < 1.2 x ELV	Monthly	discrete	Spectrophotometry (Colorimetry)
SW-1	Ammonia (as N)	SW-1	Unknown	Unknown	All results < 1.2 x ELV	Quarterly	discrete	Spectrophotometry (Colorimetry)
SW-1	Suspended Solids	SW-1	Unknown	Unknown	All results < 1.2 x ELV	Monthly	discrete	Gravimetric analysis
SW-1	Mineral oils	SW-1	Unknown	Unknown	All results < 1.2 x ELV	Quarterly	discrete	GC (Gas Chromatography)

* add rows to the table as necessary

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Equivalent Levels of Protection **Not Applicable**

For Industrial Emissions licence applications and with regard to Article 15(1) of the Industrial Emissions Directive (or Section 86A(8) of the EPA Act 1992 as amended) upload a document that describes how the environment as a whole is provided with an equivalent level of protection and will not lead to higher levels of pollution in the environment – use the '**Equivalent Level of Protection (Sewer)**' attachment template (select Document Type: '**Equivalent Level of Protection**' in the application form).

Equivalent Level of Protection (Sewer) filename:

Waste Water Treatment Plant

Where waste water emissions to sewer are propose, the Agency must obtain the consent of the Water Services Authority to which the sewer is vested or controlled by. To expedite the consultation, provide details of the Water Services Authority, the agglomeration, the treatment plant name and the letter of consent/agreement in the following section.

Provide the name of the Water Services Authority applicable to your application:

Enter the name of the agglomeration to which trade effluent⁴ discharges

Enter the Treatment Plant Name:

Demonstrate agreement for acceptance of the proposed discharge to sewer, by way of a letter of consent/agreement from the operator of the sewer. Where available, also include details of the agreed consent conditions and discharge limitations (select Document Type: '**Sewer Discharge Consent**' in the application form).

Sewer Discharge Consent filename:

⁴ Trade effluent has the meaning given in the Water Services Act 2007 as amended.

Authorisation Application Form

Sanitary wastewater from the office connects with the outfall from the central foul water silt trap/oil interceptor in the main yard and flows to the underground pump sump located in the north east of the site. It is then pumped via a rising main to an Irish Water foul sewer, located at the southern facility entrance.

Note i This part of the application form collects data on waste water emissions to sewer. In this context waste water involves trade effluent or other matter other than domestic sewage or storm water. Please note that emission limit values and monitoring requirements in any proposed licence shall be based on the information supplied hereunder.

Note ii Complete the table for each emission point having regard to the guidance hereunder.

The following convention should be observed when labelling emission points: Sewer SE1, SE2, SE3,...etc.

Describing the source of the emission helps explain the nature of the emission such as process or contaminated run-off etc.

A National Grid Reference (12 digit, 6E, 6N) must be given for each emission point.

Measures are usually required to reduce, minimise or prevent emissions from occurring. They may involve the application of a single technique or a combination of techniques including process integrated, recovery, abatement and treatment techniques. List all techniques proposed/employed. Technique(s) employed be capable of providing an equivalent level of protection and complying with the proposed/known emission level(s).

Note iii Complete the table for each emission point having regard to the guidance hereunder.

Characterise the emissions (identify the parameters) under normal operation. The parameters also cover volumes and rates of emission. Those substances which are likely to be emitted in significant quantities, having regard to their potential to transfer pollution from one medium to another must be identified and the applicant must determine emission levels having considered the following:

To identify the chemical parameters:

1. Substances listed in the Schedule of EPA (Industrial Emissions)/(Integrated Pollution Control)(Licensing) Regulations 2013.
2. IED chapters III, IV, V VI where relevant.
3. The fate of materials/substances, intermediates, products and by products used or produced through the process particularly substances of very high concern, substances carrying the Hazard statement H400 to 413 (hazardous to the aquatic environment) and hazardous substances with damaging effects on sensitive plants and ecosystems.
4. Any reaction substances likely to appear as a result of treatment or natural breakdown processes with damaging effects on sensitive plants and ecosystems.
5. Any substances with the potential to cause odour nuisance off site.

Authorisation Application Form

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6. List I and List II substances listed in the Annex to EU Directive 2006/11/EC (as amended).
 7. Any substances likely to cause corrosion, congealing or unsafe environment of the sewer network.

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