

# EPA Application Form

## 7.3.1 - Emissions to Sewer - Attachment

**Organisation Name:**

AbbVie Ireland NL B.V.

**Application I.D.:**

LA001712

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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 <sup>1</sup> | What is the Emission Source?    | Emission Point Grid Ref. NOTE 1 |                       | Volume to be emitted             |                            | Period of emission (average) |        | Measures to reduce/minimise /prevent emissions (list techniques)   |
|----------------------------------|---------------------------------|---------------------------------|-----------------------|----------------------------------|----------------------------|------------------------------|--------|--|
|                                  |                                 | Easting <sup>2</sup>            | Northing <sup>3</sup> | Max. rate/hour (m <sup>3</sup> ) | Max./day (m <sup>3</sup> ) | days/year                    | hr/day |  |
| SE1                              | Low strength process wastewater | 569882                          | 837335                | 12.7                             | 180                        | 365                          | 24     | Grease traps (Canteen wastewater)<br>pH and temperature adjustment |

\* add rows to the table as necessary

**Note 1: Emission and monitoring point coordinates are in Irish Transverse Mercator (ITM) / UTM (Universal Transverse Mercator)**

<sup>1</sup> The following convention should be observed when labelling sewer emission points:

SE1, SE2, ..., etc.,

<sup>2</sup> Six Digit GPS Irish National Grid Reference

<sup>3</sup> Six Digit GPS Irish National Grid Reference



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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 <sup>1</sup>                | Northing <sup>2</sup> |
| SE1                 | SE1a (Sampling Cabinet)        | 569801                              | 837626                |
| SE1                 | SE1b (Flow meter)              | 569803                              | 837625                |
|                     |                                |                                     |                       |
|                     |                                |                                     |                       |

\* add rows to the table as necessary

### 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) | Max. Weekly (kg/week) | Annual (kg/year)     | Proposed Monitoring Frequency | Sample Method      | Analysis Method and Technique |
| SE1                 | Volumetric Flow (m <sup>3</sup> ) | SE1b                  | 12.7 m <sup>3</sup>      | 180 m <sup>3</sup>  | 1260 m <sup>3</sup>   | 65,700m <sup>3</sup> | Continuous                    | In-line flow meter | Standard Methods              |

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|     |                                 |      |      |     |      |       |            |                           |                  |
|-----|---------------------------------|------|------|-----|------|-------|------------|---------------------------|------------------|
| SE1 | pH                              | SE1a | 6-9  | 6-9 | 6-9  | 6-9   | Continuous | In-line pH Probe          | Standard Methods |
| SE1 | Temperature                     | SE1a | 35   | 35  | 35   | 35    | Continuous | In-line Temperature Probe | Standard Methods |
| SE1 | COD                             | SE1a | 599  | 97  | 679  | 35308 | Weekly     | Standard Methods          | Standard Methods |
| SE1 | BOD                             | SE1a | 377  | 61  | 427  | 22204 | Weekly     | Standard Methods          | Standard Methods |
| SE1 | Suspended solids                | SE1a | 333  | 54  | 378  | 19656 | Weekly     | Gravimeter                | Standard Methods |
| SE1 | Total phosphorous (as P)        | SE1a | 68   | 11  | 77   | 4004  | Weekly     | Standard Methods          | Standard Methods |
| SE1 | Total Nitrogen                  | SE1a | 12   | 2   | 14   | 728   | Monthly    | Standard Methods          | Standard Methods |
| SE1 | Chlorides                       | SE1a | 6000 | 18  | 126  | 6552  | Quarterly  | Standard Methods          | Standard Methods |
| SE1 | Sulphates (as SO <sub>4</sub> ) | SE1a | 15   | 2.7 | 18.9 | 986   | Quarterly  | Standard Methods          | Standard Methods |
| SE1 | Oils, fats and greases          | SE1a | 10   | 1.8 | 13   | 657   | Quarterly  | Standard Method           | Standard Methods |
| SE1 | Detergents (as MBAS)            | SE1a | 20   | 3.6 | 25   | 1314  | Quarterly  | Standard Methods          | Standard Methods |

\* add rows to the table as necessary

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### Equivalent Levels of Protection

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:

Attachment-7-3-2 Equivalent-Protection-Sewer

### 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:

Irish Water

Enter the name of the agglomeration to which trade effluent<sup>4</sup> discharges

Sligo

Enter the Treatment Plant Name:

Sligo County Council Waste Water Treatment Plant

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:

n/a

<sup>4</sup> Trade effluent has the meaning given in the Water Services Act 2007 as amended.

## Authorisation Application Form

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**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.
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.