



**Ms. Noeleen Keavey  
Environmental Licensing Programme,  
Office of Environmental Sustainability,  
EPA Headquarters,  
PO Box 3000,  
Johnstown Castle Estate,  
Co. Wexford**



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**Irish Water**  
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**Reg No: P1087-01**

**23 April 2019**


Dear Ms. Keavey,

I refer to your correspondence dated 10th October 2018 relating to an application from AbbVie Ireland NL B.V., Old Bundoran Road, Ballyvaughan, Sligo, F91 K735 for an Industrial Emissions licence.

Please find attached Irish Water's consent to discharge to sewer subject to the consent conditions attached.

If you have any further queries please do not hesitate to contact us.

Yours sincerely

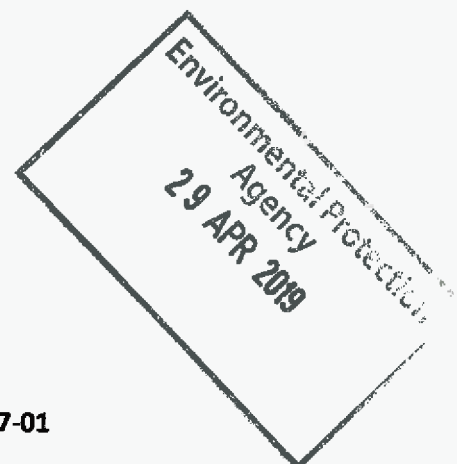
  
Michael O'Leary,  
Authorised Signatory

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## IRISH WATER RESPONSE

Irish Water  
Colvill House  
24/26 Talbot Street  
Dublin 1



**Name of Facility:** AbbVie Ireland NL B.V.,

**Reg. No:** P1087-01

**Location Address:** Old Bundoran Road  
Ballytivnan  
Sligo  
F91 K735

Consent granted subject to the consent conditions outlined below.	YES
Consent granted without conditions.	N/A
Consent refused <sup>Note 1</sup> .	N/A

Indicate either "Yes" or "No" to the request to include the condition(s) below in the licence as follows:

GENERAL CONSENT CONDITIONS	Condition to be Included (Yes/No)
<p>1. <b>No alteration to, or reconstruction in respect of, the activity, or any part thereof, that would, or is likely to, result in a material change or increase in:</b></p> <ul style="list-style-type: none"> <li>i. the nature or quantity of any emission;</li> <li>ii. the abatement/treatment or recovery systems;</li> <li>iii. the range of processes to be carried out;</li> <li>iv. the fuels, raw materials, intermediates, products or wastes generated, or</li> </ul> <p><b>any changes in:</b></p> <p>site management, infrastructure or control with adverse environmental significance;</p> <p>shall be carried out or commenced without prior notice to, and without the agreement of, the Agency.</p>	Yes
<p>2. The licensee shall <b>prepare, maintain and implement</b> (text highlighted in black bold for new licence only) / <b>maintain and implement</b> (text highlighted in green bold for reviews) a Schedule of Environmental Objectives and Targets. The Schedule shall, as a minimum, provide for a review of all operations and processes, including an evaluation of</p>	No

<p>practicable options, for energy and resource efficiency, the use of cleaner technology, cleaner production and the prevention, reduction and minimisation of waste and shall include waste reduction targets, <b>reduction and diversion of storm water runoff from sewer</b>. The Schedule shall include time frames for the achievement of set targets and shall address a five-year period as a minimum. The schedule shall be reviewed annually.</p>	
<p>3. The licensee shall <b>establish, maintain and implement</b> a detailed programme for maintenance of all plant and equipment based on the instructions issued by the manufacturer/supplier or installer of the equipment.</p>	Yes
<p>4. <b>Silt Traps and Oil Separators</b> The Licensee shall, within six months of date of grant of this licence, install and maintain silt traps and oil separators at the facility/installation:</p> <p>5. Silt traps to ensure that all storm water discharges, other than from roofs, from the facility/installation pass through a silt trap in advance of discharge; An oil separator on the storm water discharge from yard areas. The separator shall be a Class I/Class II full retention/<b>by-pass</b> separator. <b>&lt;&lt;EPA to select as appropriate&gt;&gt;</b></p> <p>a. The silt traps and separator shall be in accordance with I.S. EN-858-2: 2003 (separator systems for light liquids).</p>	No
<p>6. No specified emission from the installation shall exceed the emission limit values set out in <i>Schedule B: Emission Limits</i>, of this licence. There shall be no other emissions of environmental significance.</p>	Yes
<p>7. Other than the trade effluent authorised to be discharged under this licence, the licensee shall at no time discharge or cause or permit to discharge into sewer trade effluent or any other matter unless authorised in writing by Irish Water.</p>	Yes
<ul style="list-style-type: none"> <li>• The licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as set out below and as in accordance with <i>Schedule C: Control &amp; Monitoring</i>, of this licence. <ul style="list-style-type: none"> <li>○ Sampling and analysis shall be undertaken by competent staff in accordance with documented operating procedures.</li> <li>○ Such procedures shall be subject to a programme of Analytical Quality Control using <b>appropriate</b> control standards with evaluation of test responses.</li> <li>○ Where any analysis is sub-contracted it shall be <b>outsourced</b> to a competent laboratory.</li> </ul> </li> </ul>	Yes
<p>8. Monitoring and analysis equipment shall be installed, operated and maintained as necessary, so that all monitoring accurately reflects the emission/discharge.</p>	Yes
<p>9. In the event of any incident which relates to discharges to sewer having taken place, the licensee shall notify <b>Irish Water and the Local Authority</b>, in the manner prescribed by Irish Water, as soon as practicable after such an incident.</p>	Yes

<p>10. The licensee shall pay to Irish Water such sum as may be determined from time to time, having regard to the variations in the cost of providing drainage and the variation in effluent reception, treatment, monitoring, sampling and analysis costs. Payment is to be made on demand from Irish Water.</p>	<p>Yes</p>
<p>11. The licensee shall ensure that any trade effluent generated from canteen activities shall pass through appropriate grease removal equipment prior to discharge to sewer. <i>Inclusion of note in Schedule C Control of Emissions to sewer</i>  Note: Grease removal equipment shall comply with EN or PDI standards or as otherwise specified by Irish Water.</p>	<p>Yes</p>
<p>12. A summary report of volumes of trade effluent and other matter discharged to the sewer along with monitoring and analysis data as specified in <i>Schedule B: Emission Limits to Sewer</i> and <i>Schedule C: Control &amp; Monitoring</i>, of this licence shall be forwarded to both Irish Water and the Local Authority in a manner and timeframe as may be specified by Irish Water.</p>	<p>Yes</p>
<p>13. The licensee shall conclude an End User Agreement with Irish Water.  <i>(End user Agreement to be inserted into the glossary: An agreement between the licensee and Irish Water which provides for the contractual conditions and arrangements (outside the terms and conditions set out in this licence) relating to the acceptance of and treatment by, Irish Water of the licensee's trade effluent and wastewater.)</i></p>	<p>No</p>

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**ADDITIONAL GENERAL CONSENT CONDITIONS**  
**In respect of discharges or emissions to sewers, in accordance with Section 99E**  
**of the Environmental Protection Agency Act 1992, as amended.**  
*(Specify, if required)*


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## Limit Values for Process Effluent to Sewer

### Schedule B: Emission Limits

Emission Point Reference No.: SE1a

Emission to (*sewer description*):

Volume of Trade effluent emitted:      Maximum in any one day:      180 m<sup>3</sup>  
Maximum in any hour:      12.7 m<sup>3</sup>

Parameter	Emission Limit Values	
	Daily Concentration (mg/l)	Daily Load (kg/day)
pH	6-9 pH Units	
Temperature	35°C	
BOD	500	90
COD	800	144
Suspended Solids	500	90
Total Phosphorus (as P)	70	10
Total Nitrogen	50	10
Chlorides	6000	18
Sulphates (as SO <sub>4</sub> )	15	2.7
Fats, oils & grease	10	1.8
Detergents (as MBAS)	20	3.6



**Frequency of Monitoring Process Effluent to Sewer**

**Schedule C**

Emission Point Reference No.:

SE1a

Parameter	Monitoring Frequency (Note 1 +2)	Analysis Method/Technique
Flow to sewer	Continuous	Flow meter
Temperature	Continuous	Temperature Probe
pH	Continuous	pH meter
BOD	Weekly	Standard Methods
COD	Weekly	Standard Methods
Suspended Solids	Weekly	Standard Methods
Total Phosphorus (as P)	Weekly	Standard Methods
Total Nitrogen	Monthly	Standard Methods
Chlorides	Quarterly	Standard Methods
Sulphates (as SO <sub>4</sub> )	Quarterly	Standard Methods
Fats, oils & grease	Quarterly	Standard Methods
Detergents (as MBAS)	Quarterly	Standard Methods
Total Heavy Metals	Annually	Standard Methods
Volatile Organic Compounds/Semi-Volatile Organic Compounds (VOC/SVOCs)(according to US EPA Method 542.2 list) <sup>Note 3</sup>	Annually	Standard Methods
Active Pharmaceuticals	As Requested	Standard Methods
Toxicity	As Requested	Standard Methods
Respirometry	Annually	Standard Methods

**Note 1.**

All samples excluding those for pH and temperature shall be collected on a 24 hour flow proportional composite sampling basis.

**Note 2.**

Sampling shall take place on alternate week days on a rolling basis to ensure representative samples are obtained for site operations which may vary across the working week.

**Note 3.**

Analysis shall include those organic solvents in use in the process, which are likely through normal process operations to be present in the wastewater discharge.

### Control of Emissions to Sewer

**Description of treatment: Flow, pH, Temperature**

Control Parameter	Monitoring	Key Equipment
Flow	Continuous Monitoring	Balancing Tank
pH	Continuous Monitoring	Continuous monitoring and pH control dosing
Temperature	Continuous Monitoring	Temperature Probe

**Description of treatment: Removal of Fats, Oil and Grease generated as a result of any canteen activities**

Control Parameter	Monitoring	Key Equipment <sup>Note 1</sup>
Fats, oil and grease removal	Fats, oil and grease content in trade effluent as a result of canteen activities.	Grease removal equipment.

**Note 1: Grease removal equipment shall comply with the requirements of European Standards (EN) or Plumbing and Drainage Institute (PDI) standards or as otherwise specified by Irish Water.**

**Signed on behalf of Irish Water**

*M. D. Leary*

Date 19/4/19

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