



**Ms Noeleen Keavey,  
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**Uisce Éireann**  
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**Irish Water**  
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**Environmental  
Protection Agency**

**12 NOV 2015**

**Reg No: P0643-03**

11<sup>th</sup> November 2015

Dear Noeleen,

I refer to your letter dated 22<sup>nd</sup> September 2015 regarding an application from AbbVie Ireland NL B.V., Manorhamilton Road, Ballytinnan, Sligo, County Sligo for an Industrial Emissions Licence review.

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

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

Yours sincerely

**Mark O'Callaghan,  
Authorised Signatory**

## IRISH WATER RESPONSE

Irish Water  
Colvill House  
24/26 Talbot Street  
Dublin 1

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

Reg. No: **P0643-03**

Location Address: **Manorhamilton Road, Ballytivnan, Sligo, County Sligo.**

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

<b>CONSENT CONDITIONS TO BE INCLUDED</b>
1. The licensee shall permit authorised persons, of the Agency and Irish Water, to inspect, examine and test, at all reasonable times, any works and apparatus installed in connection with the process effluent and to take samples of the process effluent.
2. The licensee shall at no time discharge or permit to be discharged into the sewer any liquid matter or thing that is or may be liable to set or congeal at average sewer temperature or is capable of giving off any inflammable or explosive gas or any acid, alkali or other substance in sufficient concentration to cause corrosion to sewer pipes, penstock and sewer fittings or the general integrity of the sewer.
3. The licensee shall at no time discharge or permit to be discharged into the sewerage system any matter or thing that is capable of presenting any risk to Agency or Irish Water staff or its agents fulfilling any of their duties or causes nuisance odours to arise from the sewer network.
4. No specified emission to sewer shall exceed the emission limit value or load set out in Schedule B : Emission Limits to Sewer
5. The licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as set out in Schedule C. Representative samples of the final effluent shall be taken by the Licensee and tested for the chemical and physical characteristics conditioned in this licence using standard methods. The frequency of sampling shall be as necessary but shall not be less than frequencies set out in schedule C. The costs of all such tests shall be borne by the Licensee.
6. Only trade effluent wastewater which is generated within the site boundary as a result of licensed activities shall be permitted to be discharged to the public sewer.

<p>7. The licensee shall provide to Irish Water plans and details in formats outlined below within 6 months of the date of the commencement of licensed activities. These shall include;</p> <ul style="list-style-type: none"> <li>➤ Location of pipes and sewers, manholes, storage tanks, effluent treatment systems.</li> <li>➤ Diameter, material, upstream invert level, downstream invert level, condition for all sewers on site.</li> <li>➤ Cover level, invert level, chamber dimensions for each manhole on site.</li> <li>➤ Details of effluent treatment systems, including dimensions.</li> <li>➤ The condition of all sewers and manholes.</li> <li>➤ Plans and details of the discharge point to the Irish Water sewer.</li> <li>➤ Location and invert level of the discharge point or chamber.</li> <li>➤ Details of the discharge chamber including internal dimensions, type of construction, incoming and outgoing pipe diameter, incoming and outgoing pipe material, internal features or devices such as flow control and backdrops.</li> <li>➤ The Plan drawings and relevant information shall be provided in ESRI SHP File or AutoCAD DWG format with attributes geo-coordinated to Irish National Grid or Irish Transverse Mercator. All Levels shall be to Malin Head OD. The adopted coordinate system shall be clearly identified.</li> </ul>
<p>8. Monitoring and analyses equipment shall be operated and maintained as necessary so that monitoring accurately reflects the emission or discharge.</p>
<p>9. The licensee shall record all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence.</p>
<p>10. The licensee shall provide a proposal to be agreed by Irish water within a month of the date of the commencement of licensed activities as to how it intends to accurately record the volume of effluent discharged to sewer.</p>
<p>11. No emission to sewer shall take place which gives rise to any reaction within the sewer or to the liberation of by-products which may be of environmental significance.</p>
<p>12. The licensee shall ensure that the effluent shall not contain petroleum hydrocarbons or organic solvents (including chlorinated organic solvents) which would give rise to flammable or explosive vapours in the sewer.</p>
<p>13. The licensee shall notify Irish Water and the Water Services Section of Sligo County Council along with the Agency in advance of any changes which may result in a change in the nature, characteristics or volume of the treated wastewater.</p>
<p>14. A summary report of results of analysis of effluent discharged to the sewer with relevant volumes shall be forwarded on a monthly basis to both :</p> <p style="text-align: center;"><b>Sligo County Council</b></p> <p style="text-align: center;">&amp;</p> <p style="text-align: center;"><b>Irish Water: <a href="mailto:TER@water.ie">TER@water.ie</a> (TER = Trade Effluent Returns)</b></p>
<p>15. In the event of any incident which relates to discharge to sewer, having taken place, the licensee shall notify, by telephone and e-mail, the Agency along with both:</p> <p style="text-align: center;"><b>Sligo County Council</b></p>

&

Irish Water: [TER@water.ie](mailto:TER@water.ie) (TER= Trade Effluent Returns)

Phone Number: 1890 278 278

An incident shall be considered to be any discharge which is in breach of emission limits to sewer and/or would constitute a danger to sewer maintenance personnel working in the sewerage system or would be injurious to the construction of the sewer or would interfere with the operations of the downstream wastewater treatment works and supporting infrastructure.

16. Non-trade effluent wastewater (e.g. firewater, accidental spillages) which occurs on site shall not be discharged to the sewer without the prior authorisation of Irish Water.

17. The Licensee shall maintain, or have maintained the on-site effluent treatment systems.

18. Best available technology (BAT) shall be used to prevent, minimise, manage and treat pollutants in the wastewater discharge to sewer

19. A fee shall be payable to Irish Water by the Licensee for any required compliance monitoring outside of scheduled EPA monitoring. This charge covers the cost of sample collection by the Irish Water representative and chemical analysis. Payment is to be made on demand

20. The licensee shall pay to Irish Water a charge in respect of the reception and treatment of the trade effluent discharged to the foul sewer. The charges associated with the Trade effluent discharge will be in accordance with the Local Authorities current charging regime and will remain in place until a Non-Domestic tariff structure has been approved by the Commission for Energy Regulation (CER) and implemented by Irish Water. These charges will be billed for by Sligo County Council until further notice.

Payment to be made on demand

**Limit Values for Process Effluent to Sewer**

**Schedule B: Emission Limits**

Emission Point Reference No.: SE-1

Emission to (*sewer description*): Irish Water Sewer – South of Site close to Southern Boundary

Volume of Trade effluent emitted:            Maximum in any one day:            300 m<sup>3</sup>

Parameter	Emission Limit Values	
pH	6-9 pH Units	
Temperature	40°C	
	Daily Concentration (mg/l) <sup>Note 1</sup>	Daily Load (kg/day)
BOD	450	135
COD	1,300	390
Suspended Solids	350	105
Ammonia (as N)	25	7.5
Total Phosphorus	10	3
Sulphate	1,000	300
Chloride	1,500	160 <sup>Note 2</sup>
Detergents (as MBAS)	20	6
Fats, Oils Grease	10	3

Note 1.

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

Note 2.

The daily Chloride load shall be calculated using sample results averaged over a month.

## Frequency of Monitoring Process Effluent to Sewer

### Schedule C

Emission Point Reference No.: SE-1

Parameter	Monitoring Frequency (Note 1)	Analysis Method/Technique
Flow to sewer	Continuous	On-line continuous Flow meter with recorder
pH	Continuous	On-line continuous pH Probe and recorder
Temperature	Continuous	On-line continuous Temperature probe with recorder
TOC	Continuous	On-line TOC meter with recorder
COD	Daily	Standard Methods
BOD	Weekly	Standard Methods
Suspended Solids	Daily	Standard Methods
Total Nitrogen	Monthly	Standard Methods
Ammonia (as N)	Weekly	Standard Methods
Total Phosphorus	Quarterly	Standard Methods
Chloride	Weekly	Standard Methods
Sulphate	Monthly	Standard Methods
Total Heavy Metals	Annually	Standard Methods
Organic Solvents <sup>Note 2</sup>	Quarterly	Standard Methods
Oils, Fats & Greases	Quarterly	Standard Methods
Detergents (as MBAS)v	Quarterly	Standard Methods
Pharmaceutical Actives	Annually	As agreed with the Agency
Respirometry testing	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.**

Screening for priority pollutant list substances. (such as US EPA volatile and/or semi-volatile compounds). This analysis shall include those organic solvents in use in the process, which are likely through normal process operations to be diverted to the waste water streams.