



**Ms Liz Leacy,  
Environmental Licensing Programme,  
Office of Climate, Licensing & Resource Use  
EPA Headquarters,  
PO Box 3000,  
Johnstown Castle Estate,  
Co. Wexford**

**Environmental Protection  
Agency  
30 DEC 2015**

**Reg No: P0571-04**

**23<sup>rd</sup> December 2015**

**Uisce Éireann**  
Teach Colvill  
24-26 Sráid Thalbóid,  
Baile Átha Cliath 1  
Éire

**Irish Water**  
Colvill House  
24-26 Talbot Street  
Dublin 1  
Ireland

**T: +353 1 89 25000  
F: +353 1 89 25001  
www.water.ie**

Dear Liz,

I refer to your letter dated 15<sup>th</sup> October 2015 regarding an application from Merck Millipore Limited, Tullagreen, Carrigtwohill, County Cork 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**

Environmental  
Protection  
Agency  
EPA-100-100

For inspection purposes only.  
Consent of copyright owner required for any other use.

## **IRISH WATER RESPONSE**

Irish Water  
Colvill House  
24/26 Talbot Street  
Dublin 1

**Name of Facility:** Merck Millipore Limited

**Reg. No:** P0571-04

**Location Address:** Tullagreen, Carrigtwohill, County Cork.

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

### **CONSENT CONDITIONS TO BE INCLUDED**

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 substances shall be discharged to sewer which cannot be appropriately treated at the downstream wastewater treatment plant and/or would be detrimental to the receiving environment and ecosystem to which the wastewater treatment plant discharges to.
5. No specified emission to sewer shall exceed the emission limit values or loads set out in the relevant sections of the submitted P0571-04 licence review application form.
6. All trade effluent arising from the named premises as per above shall be collected and discharged to Irish Water's foul sewer as indicated on submitted plans and particulars which accompanied the licence review application.
7. The licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as set out set out in the relevant sections of the submitted P0571-04 licence review application form.

<p>The costs of all such tests shall be borne by the Licensee.</p>
<p>8. 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>
<p>9. Trade effluent from onsite canteen/kitchen facilities containing fats, oils and grease (FOG) shall pass through grease removal equipment before entry to the public sewer.</p> <p>Grease removal equipment employed shall meet the following specifications;</p> <ul style="list-style-type: none"> <li>- Passive grease separators must comply with the requirements of I.S. EN 1825: Parts 1 &amp; 2</li> <li>- Grease removal units must comply with the requirements of the US Plumbing and Drainage Institute (PDI) G101 guidelines.</li> </ul>
<p>10. 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>11. Monitoring and analyses equipment shall be operated and maintained as necessary so that monitoring accurately reflects the emission or discharge.</p>
<p>12. The licensee shall record all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence.</p>
<p>13. The licensee shall install on-online flow measurement device(s) to accurately record the volume and rate of all trade effluent discharged to sewer.</p>
<p>14. 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>15. 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>16. The licensee shall notify Irish Water and the Water Services Section of Cork 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>

17. A summary report of results of analysis of effluent discharged to the sewer with relevant volumes shall be forwarded on a quarterly basis to both :

**Cork County Council**

**&**

**Irish Water:** TER@water.ie (TER = Trade Effluent Returns)

18. 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:

**Cork County Council**

**&**

**Irish Water:** 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.

19. 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.

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

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

22. 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.

23. 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 Cork County Council until further notice.

Payment to be made on demand.

For inspection purposes only.  
Consent of copyright owner required for any other use.