

# Comhairle Contae Chorcaí Cork County Council

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Subject :IPC Reg. No. P0571-02 Millipore Ireland BV, Tullagreen, Carrigtwohil, Co. Cork

8<sup>th</sup> September 2006

Dear Ms Bosley ,

I wish to acknowledge receipt of the correspondence regarding the sanitary Authority response to Section 99 regarding a consent to discharge in relation to the above named premises.

The completed section 99 with respect to IPPC Reg No.P0571-02 is attached to this letter. Cork County Council are agreeable to discharge limits as set out in the attached Section 99 request.

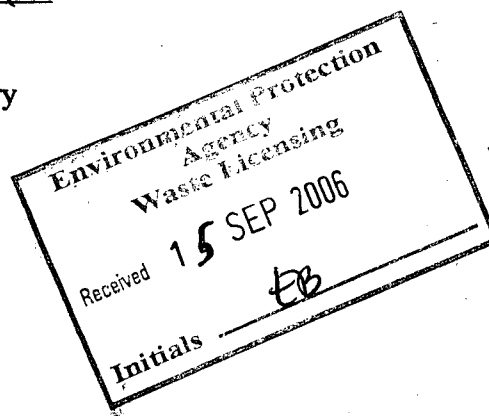
Should you have any queries or clarification my contact details are supplied below

Phone no. 021-4532700  
E mail [valerie.hannon@corkcoco.ie](mailto:valerie.hannon@corkcoco.ie)

Yours Sincerely

A handwritten signature in black ink, appearing to read 'V. Hannon'.

Valerie Hannon,  
Executive Scientist  
Wastewater Laboratory



## SANITARY AUTHORITY RESPONSE

**Name of Sanitary Authority:** *Cork County Council*

**Address:** *Inniscarra  
County Cork*

**Name of Facility:** *Millipore Ireland BV*

**IPC Reg. No:** *P0571-02*

**Address:** *Tullagreen  
Carrigtwohill  
County Cork*

**Consent:** Indicate Yes to one of the following statements:

Consent granted subject to the consent conditions outlined below.	<i>Yes</i>
Consent granted without conditions.	<i>No</i>
Consent refused <sup>Note 1</sup> .	<i>/</i>

**Note 1** Where it is proposed to refuse permission the reasons for the refusal should be clearly outlined in the response.

GENERAL CONSENT CONDITIONS	Condition to be Included (Yes/No)
1. No specified emission from the installation shall exceed the emission limit value set out in <i>Schedule B: Emissions Limits to Sewer</i> . There shall be no other emission to sewer of environmental significance.	<i>Yes</i>
2. The licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as out in <i>Schedule C</i> .	<i>Yes</i>
3. Monitoring and analyses equipment shall be operated and maintained as necessary so that monitoring accurately reflects the emission or discharge.	<i>Yes</i>
4. The licensee shall permit authorised persons of the Agency and Sanitary Authority, 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.	<i>Yes</i>
5. All automatic monitors and samplers shall be functioning at all times (except during maintenance and calibration) when the activity is being carried on unless alternative sampling or monitoring has been agreed in writing by the Agency for a limited period. In the event of the malfunction of any continuous monitor, the licensee shall contact the Agency as soon as practicable, and alternative sampling and monitoring facilities shall be put in place. Prior written agreement for the use of alternative equipment, other than in emergency situations, shall be obtained from the Agency.	<i>Yes</i>
6. The licensee shall record all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence.	<i>Yes</i>
7. The licensee shall provide safe and permanent access to all on-site sampling and monitoring points and off-site points as required by the Agency	<i>Yes</i>
8. 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.	<i>Yes</i>
9. In the event of any incident which relates to discharges to sewer, having taken place, the licensee shall notify the Agency, Local Authority and Sanitary Authority as soon as practicable after the incident.	<i>Yes</i>

ADDITIONAL GENERAL CONSENT CONDITIONS  
In respect of discharges or emissions to sewers, in accordance with Section 99E  
of the Environmental Protection Agency Acts 1992 and 2003  
(Specify, if required)

The limits for discharge to  
sewer may be subject to  
review upon the upgrading of  
the Carrigrohilly Wastewater plant

The applicant shall perform a  
Respirometry test within 12 months  
of the date of issue and every  
3 years from this date

Treatment charges are subject to  
levy by CCC and may be altered  
upon the provision of the Water pricing  
policy review.

An updated map showing all actual foul connections to CCC  
sewer to be submitted within 12 months of issue

# Limit Values for Process Effluent to Sewer

## Schedule B: Emission Limits

Emission point reference no: SE1

Emission to (sewer description): Emission to Cork Co. Council Sewer @ Carrigrohilly

Volume to be emitted : Maximum in any one day : 600 m<sup>3</sup>  
Maximum rate per hour : 25 m<sup>3</sup>

Parameter (delete parameters which are not applicable)	Emission Limit Value	
	Daily Mean Concentration (mg/l)	Daily Mean Loading (kg/day)
BOD	1250.	700.
COD	2700.	1600.
Suspended Solids	500.	
pH	6.5 - 8.5.	
Temperature	25°C	
ADDITIONAL PARAMETERS (if required)		
Sulphates	250 mg/l	
Acrylates	1mg/l ✓	
Total Nitrogen as N	300 mg/l	
Total Heavy Metals	1mg/l ✓	
Fats oil, grease	30 mg/l ✓	

# Frequency of Monitoring Process Effluent to Sewer

## Schedule C

Emission point reference no:

SE 1

Parameter (delete parameters which are not applicable)	Monitoring Frequency (e.g. monthly, quarterly, annually)	Sample Type (grab, composite)
Flow to sewer	Continuous	/
Temperature	Continuous	/
pH	Continuous	/
BOD	Weekly	24 hr Comp
COD	Daily	24 hr Comp
Suspended Solids	Daily	24 hr Comp
ADDITIONAL PARAMETERS (if required)		
Sulphates	6 Times per year	Comp
Acetylates	Monthly	Comp.
Total Heavy Metals	Annually	Comp.
Total Nitrogen	Fortnightly	Comp.
V.O.C.	Quarterly	Comp.
Fats Oil, Grease	Quarterly	Comp.

Signed on behalf of Sanitary Authority: V. Hammond

8/9/06

Sanitary Auth. Charge

Charge per m<sup>3</sup> of process Effluent — as per billing by CCC.

Payment frequency — " " " " " "

Annual Monitoring Costs £1000

charges to be pd as per current arrangements with CCC. Charging mechanism for effluent treatment costs may be reviewed after Water Pricing Review by CCC. EPA Export 25-07-2013:20:08:04

# Limit Values for Process Effluent to Sewer

## Schedule B: Emission Limits

Emission point reference no: SE2

Emission to (sewer description): Emission to foul sewer from RO system.

Volume to be emitted : Maximum in any one day : N/A m<sup>3</sup> as per previous licence.  
Maximum rate per hour : N/A m<sup>3</sup> @ 120 m<sup>3</sup>

Parameter (delete parameters which are not applicable)	Emission Limit Value	
	Daily Mean Concentration (mg/l)	Daily Mean Loading (kg/day)
BOD	/	/
COD	20	1
Suspended Solids	20	1
pH	6.00 - 9.00	
Temperature	NA	
ADDITIONAL PARAMETERS (if required)		
Sulphates	500 mg/l	
Total Heavy Metals	1.5 mg/l	

# Frequency of Monitoring Process Effluent to Sewer

## Schedule C

Emission point reference no: SE2

Parameter (delete parameters which are not applicable)	Monitoring Frequency (e.g. monthly, quarterly, annually)	Sample Type (grab, composite)
Flow to sewer	—	—
Temperature	—	—
pH	Weekly	Grab
BOD	—	—
COD	Weekly	Grab
Suspended Solids	Monthly	Grab
<b>ADDITIONAL PARAMETERS</b> (if required)		
Sulphates	Quarterly	Grab
Total Heavy Metals	Annually	Grab

Signed on behalf of Sanitary Authority: V. Hume

8/9/06

changed on SE1 form

# Limit Values for Process Effluent to Sewer

## Schedule B: Emission Limits

Emission point reference no: SE3

Emission to (sewer description): Emission to foul Sewer from RO system

Volume to be emitted : Maximum in any one day : N/A m<sup>3</sup>  
Maximum rate per hour : N/A m<sup>3</sup>

as per previous licence @ 20m<sup>3</sup>

Parameter (delete parameters which are not applicable)	Emission Limit Value	
	Daily Mean Concentration (mg/l)	Daily Mean Loading (kg/day)
BOD	✓	✓
COD	20	1
Suspended Solids	20	1
pH	6.0 - 9.0	
Temperature	N/A	
ADDITIONAL PARAMETERS (if required)		
Sulphates	500 mg/l	
Total Heavy Metals	1.5 mg/l	



# Frequency of Monitoring Process Effluent to Sewer

## Schedule C

Emission point reference no: SE3

Parameter (delete parameters which are not applicable)	Monitoring Frequency (e.g. monthly, quarterly, annually)	Sample Type (grab, composite)
Flow to sewer	-	-
Temperature	-	-
pH	Weekly	Grab
BOD	-	-
COD	Weekly	Grab
Suspended Solids	Monthly	Grab
<b>ADDITIONAL PARAMETERS</b> (if required)		
Sulphates	Quarterly	Grab
Total Heavy Metals	Annually	Grab

Signed on behalf of Sanitary Authority: V. Hamon

8/9/06

Change on SE1 form.

## Section 99E of the Environmental Protection Agency Acts 1992 and 2003

**99E.-** (1) Where the Agency proposes to grant a licence (including a revised licence) which involves a discharge of any trade effluent or other matter (other than domestic sewage or storm water) to a sewer, it shall obtain the consent of the sanitary authority in which the sewer is vested, or by which the sewer is controlled, to such a discharge being made.

(2) Where consent is sought in accordance with subsection (1), the Agency may specify a period (which period shall not in any case be less than 4 weeks from the date on which the consent is sought) within which the consent may be granted subject to, or without, conditions or refused; any consent purporting to be granted (whether subject to or without conditions) after the expiry of that period, or any decision given purporting to refuse consent after that expiry, shall be invalid and in those circumstances the Agency may proceed to grant the licence concerned as if the requirements of subsection (1) had been satisfied.

(3) Subject to subsection (4), a consent under subsection (1) may be granted subject to or without conditions and if it is granted subject to conditions the Agency shall include in the licence or revised licence concerned conditions corresponding to them or, as the Agency may think appropriate, conditions more strict than them.

(4) The conditions that may be attached to a consent by a sanitary authority under this section are the following and no other conditions, namely conditions-

(a) relating to-

(i) the nature, composition, temperature, volume, level, rate, and location of the discharge concerned and the period during which the discharge may, or may not, be made,

(ii) the provision, operation, maintenance and supervision of meters, gauges, manholes, inspection chambers and other apparatus and other means for monitoring the nature, extent and effect of emissions,

(iii) the taking and analysis of samples, the keeping of records and furnishing of information to the sanitary authority,

(b) specifying a date not later than which any conditions attached under this section shall be complied with,

(c) relating to, providing for or specifying such other matter as may be prescribed.

(5) A sanitary authority may request the Agency to review a licence or revised licence to which this section relates-

(a) at intervals of not less than 3 years from the date on which the licence or the revised licence is granted, or

(b) at any time with the consent, or on the application, of the person making, causing or permitting the discharge, or

(c) at any time if-

(i) the sanitary authority has reasonable grounds for believing that the discharge authorised by the licence or revised licence is, or is likely to be, injurious to public health or is likely to render the waters to which the sewer concerned discharges unfit for use for domestic, commercial, industrial, fishery (including fish-farming), agricultural or recreational uses or is, or is likely to be otherwise, a serious risk to the quality of the waters,

(ii) there has been a material change in the nature or volume of the discharge,

(iii) there has been a material change in relation to the waters to which the sewer concerned discharges, or

(iv) further information has become available since the date on which the licence or revised licence was granted relating to polluting matter present in the discharge concerned or relating to the effects of such matter,

and the Agency shall consider and may comply with such request and shall have regard to any submission on the matter received from the sanitary authority.

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