

## SANITARY AUTHORITY RESPONSE

Name of Sanitary Authority : Fingal County Council

Address : P.O. Box 174  
Fingal County Hall  
Swords  
County Dublin

Name of Facility : Helsinn Chemicals Ireland Ltd.  
Damastown,  
Mulhuddart.  
Dublin.15.

Environmental Protection Agency IPPC Licencing 31 MAY 2006 Received Initials <u>AM'g</u>
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IPPC Register Number: 776

Consent granted subject to the consent conditions outlined below	Yes
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### CENTRAL LABORATORY CONSENT CONDITIONS

GENERAL CONSENT CONDITIONS WW-D1	Condition to be included (Yes/No)
1. No specified emission to sewer shall exceed the emission limit value <u>or load</u> set out in Schedule B : <i>Emission Limits to Sewer</i> . There shall be no other emission to sewer of environmental significance.	Yes
2. The Licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as set out in <i>Schedule C</i> .	Yes
3. Monitoring and analyses equipment shall be operated and maintained as necessary so that monitoring accurately reflects the emission or discharge.	Yes
4. The licensee shall permit authorised persons of the Agency and the Sanitary Authority to inspect, examine and test, at all reasonable times, any works and apparatus installed in connection with the trade effluent and to take samples of the process effluent.	Yes
5. All automatic monitors and samplers shall be functioning at all times (except during maintenance and calibration) when the activities are being carried out 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 alternate 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.	Yes
6. The licensee shall record all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence.	Yes
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.	Yes
8. No substance shall be present in such concentrations as 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 a downstream wastewater treatment works.	Yes

9. No substance shall be discharged in a manner, or at a concentration which after initial dilution in the receiving waters to which the Sanitary Authority sewage is discharged , causes tainting of fish or shellfish.	Yes
10. 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.	Yes
11. 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.	Yes
12. A summary report of the results of analysis of effluent discharged to the sewer with relevant volumes discharged shall be forwarded to the sanitary authority on a quarterly basis.	Yes
13. 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 Fingal County Council.	Yes
14. The licensee shall at no time discharge or permit to be discharged into the sewer any liquid matter or thing which 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.	Yes

#### ADDITIONAL GENERAL CONSENT CONDITIONS

15. A log detailing the usage of all cooling water and boiler water treatment chemicals shall be kept by the Licensee and submitted to Fingal County Council on an annual basis.
16. Best available technology ( BAT ) for the relevant sector ( Manufacture of Fine Chemicals ) shall be used to prevent, minimise, manage and treat pollutants in the wastewater stream discharging to foul sewer under this consent.
17. The Licensee shall maintain, or have maintained the on-site effluent treatment systems.
18. The Licensee shall provide Fingal County Council with flow data for any effluent batch discharged to sewer that is sampled under Fingal County Council's monitoring and charging programmes.
19. The Licensee shall provide Fingal County Council with COD concentration data for any effluent batches discharged to sewer as required under Fingal County Council's monitoring and charging programmes.

## Limit Values for Trade Effluent to Sewer

### Schedule B - Emissions to Sewer

Emission point reference no: **WW-D1**

Emission to (sewer description): **Macetown Sewer**

Grid Reference : **304866E, 241164N**

Volume to be emitted: Maximum in any one day : **50.0**  $\text{m}^3$   
 \_\_\_\_\_ Maximum rate per hour : \_\_\_\_\_  $\text{m}^3$

Parameter	Emission	Limit Value		Parameter to be limited (Yes/No)
	<b>Grab</b>	<b>Daily Mean</b>	<b>Daily Mean</b>	
	<b>Sample (mg/l)</b>	<b>Concentration (mg/l)</b>	<b>Loading (kg/day)</b>	
BOD	N/A	N/A	100.0	Yes
COD	N/A	N/A	400.0	Yes
Suspended Solids	500	400	20.0	Yes
Sulphates (as $\text{SO}_4$ )	500	500	25.0	Yes
Fats, Oils, Grease	100	100	5.0	Yes
pH	6 - 10	6 - 10	-	Yes
Temperature	42 degrees C	42 degrees C		Yes

### ADDITIONAL PARAMETERS

Phosphates ( as $\text{PO}_4$ -P )	50	50	2.5	Yes
Total Nitrogen ( mg/l N )	1000	1000	50.0	Yes
Total Phosphorus (mg/l P)	100	100	5.0	Yes

## Frequency of Monitoring Trade Effluent to Sewer

### Schedule C - Monitoring of Emissions to Sewer

Emission point reference no: WW-D1

Parameter	Monitoring Frequency	Sampling Method/Type (grab, continuous)
Flow to sewer	Continuous during batch discharges	Continuous
BOD	Monthly	Grab sample
COD	Each Batch	Grab sample
Suspended Solids	Monthly	Grab sample
Sulphates (as SO <sub>4</sub> )	Monthly	Grab sample
Fats, Oils, Grease	Monthly	Grab sample
pH	Continuous	Continuous
Temperature	Continuous	Continuous

#### ADDITIONAL PARAMETERS

(if required)

Phosphates ( as PO <sub>4</sub> -P )	Monthly	Grab Sample
Chloride	Monthly	Grab Sample
Total Nitrogen	Monthly	Grab Sample
Total Phosphorus	Monthly	Grab Sample
Organic Compounds*	Quarterly	Grab Sample
Toxicity ( Freshwater Aquatic )	Quarterly	Grab Sample
Toxicity ( ISO 8196 ) Activated Sludge	Quarterly	Grab Sample

\* Screening for Priority Pollutant List Substances. This analysis shall include those organic solvents in use in the processes, which are likely through normal process operations, to be discharged to the wastewater stream being discharged to sewer.

SANITARY AUTHORITY CHARGES	
Charge per cubic metre of trade effluent	Based on Mogden Formula
Payment Frequency	Quarterly
Annual Monitoring Costs	Euro 2460

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