

This licence was amended on 21st February 2013 under Section S96(1) of the Environmental Protection Agency Acts, as amended. The details of Amendment A must be read in conjunction with the licence. The amendment document is entitled Technical Amendment A.



Headquarters, Ardcahan
Wexford, Ireland

INTEGRATED POLLUTION CONTROL LICENCE

Licence Register Number:	241
Licensee:	Coates of Ireland Limited t/a Coates Lorrilleux
Location of Activity:	Glenside Works, Mill Lane, Palmerstown, Dublin 20.

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Glossary of Terms

AER	Annual Environmental Report.
Annually	All or part of a period of twelve consecutive months.
BATNEEC	Best Available Technology Not Entailing Excessive Cost.
Bi-annually	All or part of a period of six consecutive months.
BOD	5 day Biochemical Oxygen Demand.
COD	Chemical Oxygen Demand.
Daily	During all days of plant operation, and in the case of emissions, when emissions are taking place; with no more than 1 measurement on any one day.
Daytime	0800 hrs to 2200 hrs.
dB(A)	Decibels (A weighted).
DO	Dissolved Oxygen.
EMP	Environmental Management Programme.
EWC	European Waste Catalogue (94/3/EEC, see also Agency Guidance Note on the EWC)
GC/MS	Gas Chromatography/ Mass Spectroscopy
HFO	Heavy Fuel Oil.
ICP	Inductively Coupled Plasma Spectroscopy.
IPC	Integrated Pollution Control.
K	Kelvin.
kPa	kilo Pascals.
Leq	Equivalent continuous sound level.
Lighting-up time	30 minutes after sun set.
List I	As listed in the EC Directives 76/464/EEC and 80/68/EEC and amendments.
List II	As listed in the EC Directives 76/464/EEC and 80/68/EEC and amendments.

Local Authority	South Dublin County Council.
Mass Flow Limit	An Emission Limit Value which is expressed as the maximum mass of a substance which can be emitted per unit time. The limit is usually expressed in kilograms per hour (kg/h).
Mass Flow Threshold	A mass flow rate, above which, a concentration limit applies. The rate is usually expressed in kilograms per hour (e.g. at mass flow rates > 2 kg/h).
Monthly	At least 12 times per year at approximately monthly intervals.
Night-time	2200 hrs to 0800 hrs.
Noise sensitive location	Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other facility or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels.
PER	Pollution Emission Register.
ppm	Parts per million.
Quarterly	All or part of a period of three consecutive months.
Standard Methods	As detailed in "Standard Methods for the Examination of Water and Wastewater", (prepared and published jointly by A.P.H.A., A.W.W.A & W.E.F) 19th Ed. 1995, American Public Health Association, 1015 Fifteenth Street, N.W., Washington DC 20005, USA.
TA Luft	Technical Instructions on Air Quality Control - TA Luft in accordance with art. 48 of the Federal Immission Control Law (BImSchG) dated 15 March 1974 (BGBl. I p.721). Federal Ministry for Environment, Bonn 1986.
The Agency	Environmental Protection Agency.
The Licensee	Coates of Ireland Ltd. t/a Coates Lorilleux, Glenside Works, Mill Lane, Palmerstown, Dublin 20.
Waste disposal operation	Means any of the operations included in the Third Schedule to the Waste Management Act 1996.
Waste recovery operation	Means any of the operations included in the Fourth Schedule to the Waste Management Act 1996.
Weekly	During all weeks of plant operation, and in the case of emissions, when emissions are taking place; with no more than one measurement in any one week.

Conditions

Condition 1 Scope

- 1.1 The activity shall be controlled, operated, and maintained and emissions shall take place as set out in this Integrated Pollution Control (IPC) licence. All programmes required to be carried out under the terms of this licence, become part of this licence.
- 1.2 No alteration to, or reconstruction in respect of, the activity or any part thereof which would, or is likely to, result in a material change or increase in:
- 1.2.1 The nature or quantity of any emission,
 - 1.2.2 The abatement/treatment or recovery systems,
 - 1.2.3 The range of processes to be carried out,
 - 1.2.4 The fuels, raw materials, intermediates, products or wastes generated,
- or any changes in:
- 1.2.5 The site management and control with adverse environmental significance
- shall be carried out or commenced without prior notice to, and without the prior written agreement of, the Agency.
- 1.3 This licence is for the purposes of IPC licensing only and nothing in this licence shall be construed as negating the licensee's statutory obligations or requirements under any other enactments or regulations.
- 1.4 Any reference in this licence to 'site' shall mean the plan area edged in black on the map labelled 'Site Location Map' in Attachment 2(ii) of the IPC licence application.

Reason: To clarify the scope of this licence.

Condition 2 Management of the Activity

- 2.1 The licensee shall establish and maintain an Environmental Management System (EMS) which shall fulfil the requirements of this licence. The EMS shall assess all operations and review all practicable options for the use of cleaner technology, cleaner production and the reduction and minimisation of waste, and shall include as a minimum those elements specified in the Conditions 2.2 to 2.9 below:
- 2.2 A schedule of Environmental Objectives and Targets
- 2.2.1 The licensee shall prepare a schedule of Environmental Objectives and Targets. The schedule shall include time frames for the achievement of set targets. The schedule shall address a five year period as a minimum. The schedule shall be prepared to the satisfaction of the Agency and shall be submitted to the Agency within four months of date of grant of this licence. The schedule shall be reviewed annually and amendments thereto notified to the Agency for agreement as part of the Annual Environmental Report (AER) (See also Condition 2.9).

2.3 Environmental Management Programme (EMP)

2.3.1 The licensee shall, not later than six months from the date of grant of this licence, establish and maintain an EMP, including a time schedule, for achieving objectives and targets. The EMP shall thereafter, form part of the AER and shall be agreed with the Agency prior to implementation. It shall include:

- (i) designation of responsibility for targets;
- (ii) the means by which they may be achieved;
- (iii) the time within which they may be achieved.

2.3.2 A report on the programme, including the success in meeting agreed targets, shall be prepared and submitted to the Agency as part of the AER. Such reports shall be retained on-site for a period of not less than seven years and shall be available for inspection by authorised persons of the Agency.

2.4 Pollution Emission Register (PER)

2.4.1 The substances to be included in the PER shall be agreed with the Agency each year by reference to the list specified in the AER guidance note. The PER shall be prepared in accordance with any relevant guidelines issued by the Agency and shall be submitted as part of the AER.

2.4.2 The licensee shall, not later than six months from the date of grant of this licence and thereafter as part of the AER, agree with the Agency the list of substances to be included in the PER, and the methodology to be used in their determination.

2.5 Documentation

2.5.1 The licensee shall establish and maintain an environmental management documentation system which shall be to the satisfaction of the Agency.

2.5.2 The licensee shall issue a copy of this licence to all relevant personnel whose duties relate to any condition of this licence.

2.6 Corrective Action

2.6.1 The licensee shall establish procedures to ensure that corrective action is taken should the specified requirements of this licence not be fulfilled. The responsibility and authority for initiating further investigation and corrective action in the event of a reported non-conformity with this licence shall be defined.

2.7 Awareness and Training

2.7.1 The licensee shall establish and maintain procedures for identifying training needs, and for providing appropriate training, for all personnel whose work can have a significant effect upon the environment. Appropriate records of training shall be maintained.

2.7.2 Personnel performing specifically assigned tasks shall be qualified on the basis of appropriate education, training and/or experience, as required.

2.8 Responsibilities

2.8.1 The licensee shall ensure that a person in charge, as defined under the terms of the Environmental Protection Agency Act, 1992 shall be available on-site at all

times when the activity is in operation. The person in charge shall also be available to meet with authorised persons of the Agency at all reasonable times.

2.9 Communications

- 2.9.1 The licensee shall put in place a programme to ensure that members of the public can obtain information concerning the environmental performance of the licensee at all reasonable times. This programme shall be submitted for agreement to the Agency within six months of the date of grant of this licence.
- 2.9.2 The licensee shall submit to the Agency, eighteen months from the date of grant of this licence, and each calendar year thereafter, an AER which shall be to the satisfaction of the Agency. This report shall include as a minimum the information specified in *Schedule 5(i) Recording and Reporting to the Agency* and shall be prepared in accordance with any relevant guidelines issued by the Agency.

Reason: To make provision for management of the activity on a planned basis having regard to the desirability of ongoing assessment, recording and reporting of matters affecting the environment.

Condition 3 Interpretation

3.1 Emission limit values for emissions to atmosphere in this licence shall be interpreted in the following way:-

3.1.1 For Non-Continuous Monitoring:

- (i) For any parameter where, due to sampling/analytical limitations, a 30 minute sample is inappropriate, a suitable sampling period should be employed and the value obtained therein shall not exceed the emission limit value.
- (ii) For flow, no hourly or daily mean value, calculated on the basis of appropriate spot readings, shall exceed the relevant limit value.
- (iii) Mass flow thresholds refer to a rate of discharge expressed in units of kg/h, above which the concentration emission limit value applies. Mass flow threshold rates shall be determined on the basis of a single 30 minute measurement (i.e. the concentration determined as a 30 minute average shall be multiplied by an appropriate measurement of flow and the result shall be expressed in units of kg/h).
- (iv) Mass flow limits shall be calculated on the basis of the concentration, determined as an average over the specified period, multiplied by an appropriate measurement of flow. No value, so determined, shall exceed the mass flow limit value.
- (v) For all other parameters, no 30 minute mean value shall exceed the emission limit value.

3.2 The concentration limits for emissions to atmosphere specified in this licence shall be based on gas volumes under standard conditions of :-

3.2.1 In the case of non-combustion gases:

- (i) Temperature 273K, Pressure 101.3 kPa (no correction for oxygen or water content).

3.3 Noise

- 3.3.1 Noise from the activity shall not give rise to sound pressure levels ($L_{eq,T}$) measured at the specified noise sensitive locations which exceed the limit value(s) by more than 2 dB(A).

Reason : To clarify the interpretation of emission limit values fixed under the licence.

Condition 4 Notification

- 4.1 The licensee shall notify the Agency by both telephone and facsimile, if available, to the Agency's Headquarters in Wexford, or to such other Agency office as may be specified by the Agency, as soon as practicable after the occurrence of any of the following:
 - 4.1.1 Any release to atmosphere from any potential emission point.
 - 4.1.2 Any emission which does not comply with the requirements of this licence.
 - 4.1.3 Any malfunction or breakdown of control equipment or monitoring equipment which is likely to lead to loss of control of any abatement system.
 - 4.1.4 Any incident with the potential for environmental contamination of surface water or groundwater, or posing an environmental threat to air or land, or requiring an emergency response by the Local Authority.

The licensee shall include as part of the notification, date and time of the incident, details of the occurrence, and the steps taken to minimise the emissions and avoid recurrence.

- 4.2 The licensee shall make a record of any incident as set out in Condition 4.1 above. The notification given to the Agency shall include details of the circumstances giving rise to the incident and all actions taken to minimise the effect on the environment and minimise wastes generated.
- 4.3 A summary report of reported incidents shall be submitted to the Agency as part of the AER. The information contained in this report shall be prepared in accordance with any relevant guidelines issued by the Agency.
- 4.4 In the event of any incident, as set out in Condition 4.1.2 above which relates to discharges to water, having taken place, the licensee shall notify the Local Authority as soon as practicable, after such an incident.
- 4.5 In the case of any incident as set out in Condition 4.1.2 above which relates to discharges to water, the licensee shall notify the Eastern Regional Fisheries Board as soon as practicable after such an incident.
- 4.6 In the event of any incident, as set out in Condition 4.1.4 having taken place, the licensee shall notify the Local Authority as soon as practicable, after such an incident.

Reason : To provide for the notification of incidents and update information on the activity.

Condition 5 Emissions to Atmosphere

- 5.1 No specified emission to the atmosphere shall exceed the emission limit value set out in *Schedule 1(i) Emissions to Atmosphere*, subject to Condition 3 of this licence. There shall be no other emission to the atmosphere of environmental significance.
- 5.2 All treatment/abatement, control and monitoring equipment shall be calibrated and maintained when in use as agreed by the Agency under the EMP.
- 5.3 Monitoring and analyses of each emission shall be carried out as specified in *Schedule 1(ii) Monitoring of Emissions to Atmosphere* of this licence. A report on the results of this monitoring shall be submitted to the Agency quarterly.
- 5.4 A summary report of emissions to atmosphere shall be submitted to the Agency as part of the AER. The information contained in this report shall be prepared in accordance with any relevant guidelines issued by the Agency.
- 5.5 Boilers shall be operated so as to give a smoke colour less than or equal to shade number 1 on the Ringelmann chart except during periods of start up. Such start up periods shall not exceed 30 minutes in any 24 hour period.
- 5.6 The licensee shall ensure that all operations on-site shall be carried out in a manner such that air emissions and/or odours do not result in significant impairment of, or significant interference with amenities or the environment beyond the site boundary.

Reason: To provide for the protection of the environment by way of control, limitation, treatment and monitoring of emissions.

Condition 6 Emissions to Water

- 6.1 Only uncontaminated cooling water may be discharged to water. There shall be no other emissions to water of environmental significance.
- 6.2 The licensee shall monitor discharges to water in accordance with *Schedule 2(i) Monitoring of Emissions to Water* of this licence. A report on the results of this monitoring shall be submitted to the Agency quarterly.
- 6.3 A summary report of emissions to water shall be submitted to the Agency as part of the AER. The information contained in this report shall be prepared in accordance with any relevant guidelines issued by the Agency.
- 6.4 No substance shall be discharged in a manner, or at a concentration which, following initial dilution, causes tainting of fish or shellfish.

Reason: To provide for the protection of the environment by way of control, limitation, treatment and monitoring of emissions.

Condition 7 Waste Management

- 7.1 Disposal or recovery of waste shall take place only as specified in *Schedule 3(i) Hazardous Wastes for Disposal/Recovery*, and *Schedule 3(ii) Other Wastes for Disposal/Recovery* of this licence and in accordance with the appropriate National and

European legislation and protocols. No other waste shall be disposed of/recovered either on-site or off-site without prior notice to, and prior written agreement of, the Agency.

- 7.2 Waste sent off-site for recovery or disposal shall only be conveyed to a waste contractor, as agreed by the Agency, and only transported from the site of the activity to the site of recovery/disposal in a manner which will not adversely affect the environment.
- 7.3 Waste for disposal/recovery off-site shall be analysed in accordance with *Schedule 3(iii) Waste Analysis* of this licence.
- 7.4 A full record, which shall be open to inspection by authorised persons of the Agency at all times, shall be kept by the licensee on matters relating to the waste management operations and practices at this site. This record shall as a minimum contain details of the following:
- 7.4.1 The names of the agent and transporter of the waste.
 - 7.4.2 The name of the persons responsible for the ultimate disposal/recovery of the waste.
 - 7.4.3 The ultimate destination of the waste.
 - 7.4.4 Written confirmation of the acceptance and disposal/recovery of any hazardous waste consignments sent off-site.
 - 7.4.5 The results of any analyses required under *Schedule 3(iii) Waste Analysis*.
 - 7.4.6 The tonnages and EWC Code for the waste materials listed in *Schedule 3(i) Hazardous Wastes for Disposal/Recovery* and *Schedule 3(ii) Other Wastes for Disposal/Recovery*, sent off-site for disposal/recovery.
 - 7.4.7 Details of any rejected consignments.

A copy of this Waste Management record shall be submitted to the Agency as part of the AER for the site.

Reason: To provide for the disposal of waste and the protection of the environment.

Condition 8 Noise

- 8.1 The licensee shall carry out a noise survey of the site operations annually. The licensee shall consult with the Agency on the timing, nature and extent of the survey and shall develop a survey programme to the satisfaction of the Agency. The survey programme shall be submitted to the Agency in writing at least one month before the survey is to be carried out. A record of the survey results shall be available for inspection by any authorised persons of the Agency, at all reasonable times and a summary report of this record shall be included as part of the AER.
- 8.2 Activities on-site shall not give rise to noise levels off site, at noise sensitive locations, which exceed the following sound pressure limits (Leq,T) subject to Condition 3:
- 8.2.1 Daytime: 55 dB(A)
 - 8.2.2 Night-time: 45 dB(A).

- 8.3 There shall be no clearly audible tonal component or impulsive component in the noise emission from the activity at any noise sensitive location.

Reason: To provide for the protection of the environment by control of noise.

Condition 9 Non-Process Water

9.1 Surface water

- 9.1.1 A visual examination of the surface water discharge shall be carried out daily.
- 9.1.2 The licensee shall determine the normal levels of TOC for uncontaminated surface water and shall within nine months of the date of grant of this licence, submit proposals to the Agency for the setting of warning and action levels, and establish a response programme when such approved action levels are reached.
- 9.1.3 The licensee shall monitor surface water discharges in accordance with *Schedule 4(i) Surface Water Discharge Monitoring* of this licence. A report on the results of this monitoring shall be submitted to the Agency quarterly.
- 9.1.4 In the event that any analyses or observations made on the quality or appearance of surface water runoff should indicate that contamination has taken place, the licensee shall
- (i) carry out an immediate investigation to identify and isolate the source of the contamination,
 - (ii) put in place measures to prevent further contamination and to minimise the effects of any contamination on the environment,
 - (iii) and notify the Agency as soon as is practicable.

9.2 Firewater Retention.

- 9.2.1 The licensee shall carry out a risk assessment to determine if the activity should have a fire-water retention facility. The licensee shall submit the assessment and a report to the Agency on the findings and recommendations of the assessment within six months from the date of grant of this licence.
- 9.2.2 In the event that a significant risk exists for the release of contaminated fire-water, the licensee shall, based on the findings of the risk assessment, prepare and implement, with the agreement of the Agency, a suitable risk management programme. The risk management programme shall be fully implemented within three months from date of notification by the Agency.
- 9.2.3 The licensee shall have regard to the Environmental Protection Agency Draft Guidance Note to Industry on the Requirements for Fire-Water Retention Facilities when implementing Conditions 9.2.1 and 9.2.2 above.

9.3 Facilities for the Protection of Groundwater and Surface Water

- 9.3.1 All tank and drum storage areas shall be rendered impervious to the materials stored therein. In addition, tank and drum storage areas shall, as a minimum be bunded, either locally or remotely, to a volume not less than the greater of the following;

- (i) 110% of the capacity of the largest tank or drum within the bunded area
- (ii) 25% of the total volume of substance which could be stored within the bunded area.

Drainage from bunded areas shall be diverted for collection and safe disposal. All bunds shall be tested at least once every three years. A report on such tests shall be included in the AER.

- 9.3.2 The integrity and water tightness of all the bunding structures and their resistance to penetration by water or other materials stored therein shall be tested and demonstrated by the licensee to the satisfaction of the Agency and shall be reported to the Agency within twelve months from the date of grant of this licence.
- 9.3.3 The loading and unloading of materials shall be carried out in designated areas protected against spillage and leachate run-off. While awaiting disposal, all materials shall be collected and stored in designated areas protected against spillage and leachate run-off.
- 9.3.4 All pump sumps from which spillage might occur shall be fitted with high liquid level alarms.
- 9.3.5 An inspection for leaks on all flanges and valves on over-ground pipes used to transport materials other than water shall be carried out weekly.
- 9.3.6 The licensee shall have in storage an adequate supply of containment booms and suitable absorbent material to contain and absorb any spillage.

Reason: To provide for the protection of surface waters and groundwater.

Condition 10 Monitoring

- 10.1 The licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as set out in Schedules:-

Schedule 1(ii) Monitoring of Emissions to Atmosphere

Schedule 2(i) Monitoring of Emissions to Water

Schedule 3(iii) Waste Analysis

Schedule 4(i) Surface Water Discharge Monitoring

of this licence.

- 10.2 The licensee shall prepare a programme, to the satisfaction of the Agency, for the reduction of fugitive emissions to air. This programme shall be included in the EMP.
- 10.3 Where the ability to measure a parameter is affected by mixing before emission, then, with prior written agreement from the Agency, the parameter may be assessed before mixing takes place.
- 10.4 Monitoring and analysis equipment shall be operated and maintained as necessary so that monitoring accurately reflects the emission or discharge.
- 10.5 The frequency, methods and scope of monitoring, sampling and analyses, as set out in this licence, may be amended with the written agreement of the Agency following evaluation of test results.

- 10.6 The licensee shall install on all emission points such sampling points or equipment, including any data-logging or other electronic communication equipment, as may be required by the Agency. All such equipment shall be consistent with the safe operation of all sampling and monitoring systems.
- 10.7 The licensee shall provide safe and permanent access to the following sampling and monitoring points:
- 10.7.1 Emission to atmosphere sampling points.
 - 10.7.2 Noise sources on-site.
 - 10.7.3 Waste storage areas on-site.
 - 10.7.4 Surface waters discharge.
- and safe access to any other sampling and monitoring points required by the Agency.
- 10.8 The licensee shall, within three months of the date of grant of this licence, install in a prominent location on the site a wind sock, or other wind direction indicator, which shall be visible from the public roadway outside the site.

Reason: To ensure compliance with the requirements of other conditions of this licence by provision of a satisfactory system of measurement and monitoring of emissions.

Condition 11 Recording and Reporting to Agency

- 11.1 The licensee shall record all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence.
- 11.2 The licensee shall record all incidents which affect the normal operation of the activity and which may create an environmental risk.
- 11.3 The licensee shall record all complaints of an environmental nature related to the operation of the activity. Each such record shall give details of the date and time of the complaint, the name of the complainant and give details of the nature of the complaint. A record shall also be kept of the response made in the case of each complaint. The licensee shall submit a report to the Agency, during the month following such complaints, giving details of any complaints which arise. A summary of the number and nature of complaints received shall be included in the AER.
- 11.4 The format of all records required by this licence shall be to the satisfaction of the Agency. Records shall be retained on-site for a period of not less than seven years and shall be available for inspection by the Agency at all reasonable times.
- 11.5 Reports of all recording, sampling, analyses, measurements, examinations, calibrations and maintenance as set out in *Schedule 5(i) Recording and Reporting to the Agency* of this licence, shall be submitted to the Agency Headquarters as specified in this licence. The format of these reports shall be to the satisfaction of the Agency. One original and three copies shall be submitted as and when specified.
- 11.6 Provision shall also be made for the transfer of environmental information, in relation to this licence, to the Agency's computer system, as may be requested by the Agency.
- 11.7 All reports shall be certified accurate and representative by the licensee's Plant Manager or other senior officer designated by the Plant Manager.

- 11.8 All written procedures controlling operations affecting this licence shall be available on-site for inspection by the Agency at all reasonable times.
- 11.9 The frequency and scope of reporting, as set out in this licence, may be amended with the written agreement of the Agency following evaluation of test results.

Reason: To provide for the collection and reporting of adequate information on the activity.

Condition 12 Emergency Response

- 12.1 The licensee shall ensure that an Emergency Response Procedure is in place which shall address any emergency situation which may originate on-site. This Procedure shall include provision for minimising the effects of any emergency on the environment.

Reason: To provide for the protection of the environment.

Condition 13 Financial Provisions

13.1 Agency Charges

- 13.1.1 The licensee shall pay to the Agency a minimum annual contribution of £3,910, or such greater sum as the Agency from time to time determines, towards the cost of monitoring the emissions as the Agency considers necessary for the performance of its functions under the Environmental Protection Agency Act, 1992. The licensee shall in 1998 and subsequent years, not later than January 31 of each year, pay to the Agency this amount updated in accordance with changes in the Consumer Price Index from the date of the licence to the renewal date. The updated amount shall be notified to the licensee by the Agency. For 1997, the licensee shall pay a pro rata amount from the date of this licence to December 31, 1997. This shall be paid to the Agency within one month of the date of grant of this licence.

Reason: To provide for adequate financing for monitoring and financial provisions for measures to protect the environment.

Schedule 1(i) Emissions to Atmosphere

Emission Point Reference No.:	A2-1	
Location :	Liquid inks building	
Volume to be emitted:	Maximum in any one day :	83,200 m ³
	Maximum rate per hour :	10,400 m ³
Minimum discharge height:	9 m above ground	

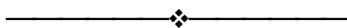
Parameter	Emission Limit Value (kg/h) Until January 2000	Emission Limit Value (mg/m ³) From January 2001
Total Organics	6	150 at (mass flows > 3 kg/h)



Schedule 1(ii) Monitoring of Emissions to Atmosphere

Emission Point Reference No.: A2-1

Parameter	Monitoring Frequency	Analysis Method/Technique
Total Organics	Quarterly	GCMS



Schedule 2(i) Monitoring of Emissions to Water

Emission Point Reference No.:	SW-1	
Emission Point Reference No.:	SW-1	
Name of Receiving Waters:	River Liffey	
Location :	Paste ink building.	
Volume to be emitted:	Maximum in any one day :	0.5 m ³
	Maximum rate per hour :	0.06 m ³

Parameter	Monitoring Frequency	Analysis Method/Technique
Flow	Quarterly	Flow meter
Temperature	Quarterly	Thermometer
pH	Quarterly	pH electrode/meter
BOD	Quarterly	Standard Methods
COD	Quarterly	Standard Methods
SS	Quarterly	Standard Methods
Visual Inspection	Daily	Not applicable



Schedule 3(i) Hazardous Wastes for Disposal/Recovery

Waste Materials	Further Treatment, Recovery/Recycling on-site ^{Note 1}	On-site reuse ^{Note 1}	Method of disposal/recovery ^{Note 2}
Mixed solvents	None	None	Agreed hazardous waste recovery contractor.
Other ^{Note 3}	-	-	-

Note 1: The licensee may treat, reuse, recycle or recover waste subject to the prior written agreement of the Agency.

Note 2: Any variation from those contractors named in the IPC Licence application, or subsequent agreements, must have the prior written agreement of the Agency.

Note 3: No other hazardous waste shall be disposed of/recovered off-site or on site without prior notice to, and prior written agreement of the Agency.



Schedule 3(ii) Other Wastes for Disposal/Recovery

Waste Materials	Further Treatment, Recovery/recycling on-site ^{Note 1}	On-site reuse ^{Note 1}	Method of Disposal/Recovery ^{Note 2}
Metal drums	Compacted	None	Agreed disposal contractor.
Paper & cardboard	None	None	Agreed disposal contractor.
Plastic containers	None	None	Agreed disposal contractor.
Cloth & paper rags	None	None	Agreed disposal contractor.
Domestic and canteen waste	None	None	Agreed disposal contractor.
Broken Pallets	None	None	Agreed disposal contractor.
Other^{Note 3}	-	-	-

Note 1: The licensee may treat, reuse, recycle or recover waste subject to the prior written agreement of the Agency.

Note 2: Any variation from those contractors named in the IPC Licence application, or subsequent agreements, must have the prior written agreement of the Agency

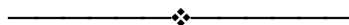
Note 3: No other waste shall be disposed of/recovered off-site without prior notice to, and prior written agreement of the Agency.



Schedule 3(iii) Waste Analysis

Waste Class	Frequency	Parameter	Method
Mixed solvents	Per consignment	Chemical composition	GCMS
Other^{Note 1}	-	-	-

Note 1: Analytical requirements to be determined on a case by case basis.



Schedule 4(i) Surface Water Discharge Monitoring

Emission Point Reference No: SW-2

Parameter	Monitoring Frequency	Analysis Method/Technique
pH	Quarterly	pH electrode/meter
Temperature	Quarterly	Thermometer
Conductivity	Quarterly	Standard Methods
TOC	Quarterly	Standard Methods
BOD	Quarterly	Standard Methods
COD	Quarterly	Standard Methods
SS	Quarterly	Standard Methods
Visual Inspection	Daily	Not Applicable



Schedule 5(i) Recording and Reporting to the Agency

Completed reports shall be submitted to:

The Environmental Protection Agency
Headquarters
Ardcavan
Wexford

or Any other address as may be specified by the Agency

Reports are required to be forwarded as set out below:

Recurring Reports:

Report	Reporting Frequency	Report Submission Date
Monitoring of emissions to atmosphere	Quarterly	Ten days after end of the quarter being reported on.
Monitoring of emissions to water	Quarterly	Ten days after end of the quarter being reported on.
Surface Water discharge monitoring	Quarterly	Ten days after end of the quarter being reported on.
Complaints (where these arise)	Monthly	Ten days after end of the month being reported on.
Noise Monitoring Programme	Annually	One month prior to survey.
Annual Environment Report(AER)	Annually	Eighteen months from the date of grant of licence and each year thereafter.

Annual Environmental Report Content	Items to be Addressed in the EMP
<p>Emissions to atmosphere summary.</p> <p>Emissions to water summary.</p> <p>Waste management report.</p> <p>Resource consumption summary.</p> <p>Complaints summary.</p> <p>Schedule of Environmental Objectives and Targets</p> <p>Environmental management programme - proposal</p> <p>Environmental management programme - report</p> <p>Pollution emission register - proposal</p> <p>Pollution emission register - report</p> <p>Noise monitoring report</p> <p>Tank and pipeline testing and inspection report</p> <p>Reported incidents summary</p>	<p>Covering of mixing vessels.</p> <p>Raw material substitution.</p> <p>Upgrade of septic tank.</p> <p>Solvent recovery on-site.</p> <p>Reuse of raw material packaging.</p> <p>Waste segregation and recycling.</p> <p>Air emissions to meet BATNEEC limits.</p> <p>Fugitive emissions programme.</p>



Once-off Reports:

Report	Report Submission Date
Programme for public information.	Within six months of the date of grant of licence.
TOC warning level proposal.	Within nine months of the date of grant of licence.
Fire-water retention study.	Within six months of the date of grant of licence.
Bund integrity assessment.	Within twelve months of the date of grant of licence.
Pollution emission register proposal	Within six months of the date of grant of licence.
Schedule of Environmental Objectives and Targets	Within four months of the date of grant of licence.
Environmental management programme proposal.	Within six months of the date of grant of licence.

