



Headquarters, Ardcahan  
Wexford, Ireland

## INTEGRATED POLLUTION CONTROL LICENCE

<b>Licence Register Number:</b>	Reg. 116
<b>Licensee:</b>	Print & Display Ltd.
<b>Location of Activity:</b>	80 Cookstown Industrial Estate, Tallaght, Co. Dublin

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## ***Glossary of Terms***

The Agency	Environmental Protection Agency
The Licensee	Print & Display Limited, 80 Cookstown Industrial Estate, Tallaght, Co. Dublin
Local Authority	South Dublin County Council
Sanitary Authority	South Dublin County Council
IPC	Integrated Pollution Control
EMP	Environmental Management Programme
AER	Annual Environmental Report
PER	Pollution Emission Register
BATNEEC	Best Available Technology Not Entailing Excessive Cost
dB(A)	Decibels (A weighted)
K	Kelvin
kPa	kilo Pascals
Leq	Equivalent continuous sound level of a steady sound having the same energy as fluctuating sound
BOD	5 day Biochemical Oxygen Demand
COD	Chemical Oxygen Demand
MBAS	Methylene Blue Active Substance
GC	Gas Chromatography
FID	Flame Ionization Detector
Biannually	All or part of a period of six consecutive months beginning on the first day of January or July.
Annually	All or part of a period of twelve consecutive months beginning on the first day of January.
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.
EWC	European Waste Catalogue (94/3/EEC)

# 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 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 purpose 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 of the activity' shall mean the plan area edged in black and labelled 'Site Plan' in Attachment No.2 in the Integrated Pollution Control 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 conditions 2.2 to 2.9 below:
- 2.2 A schedule of Objectives and Targets
- 2.2.1 The licensee shall prepare a schedule of 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 six 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 (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 Environmental Management Programme, including a time schedule, for achieving objectives and targets. The EMP shall thereafter form part of the Annual Environmental Report 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.

This programme shall assess all operations on the site of the activity and shall address the following as a minimum:

2.3.1.1 Reduction in emissions to atmosphere. In particular, alternatives to the screen washing process and reductions in emissions from vent A1 should be assessed with a view to meeting the concentration emission limit values prior to January 1, 2002.

2.3.1.2 Elimination of lead chromate based pigments.

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 Annual Environmental Report. 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 and the public.

### 2.4 Pollution Emission Register (PER)

2.4.1 The licensee shall, not later than six months from the date of grant of this licence and thereafter as part of the Annual Environmental Report, agree with the Agency the list of substances, by reference to the list specified in the AER guidance note, 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. 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 Annual Environmental Report 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 all other parameters no 30 minute mean value shall exceed the emission limit value.
- (iii) For flow, no hourly or daily mean value shall exceed the relevant 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 Emission limit values for emissions to sewer in this licence shall be interpreted in the following way:-
- 3.3.1 Non-Continuous Monitoring:
- (i) No pH value shall deviate from the specified range.
  - (ii) No temperature value shall exceed the limit value.
  - (iii) No flow value shall exceed the limit value.
  - (iv) Parameters other than pH, temperature and flow which are calculated as 24 hour mean concentrations or mass emission values, shall not exceed the 24 hour mean emission limit value.
  - (v) For parameters other than pH, temperature, and flow, no grab sample value shall exceed the grab concentration emission limit value.

*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 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 incident with the potential for environmental contamination of surface water or ground water, or posing a 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 incidents shall be submitted to the Agency as part of the Annual Environmental Report. 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 4.1.3 above, having taken place, the licensee shall notify the South Dublin County Council as soon as practicable, after such an incident.

*Reason : To provide for the notification of incidents and update information on the activity and to provide for the requirements of the Sanitary Authority in accordance with Section 97 of the EPA Act, 1992.*

## **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) of this licence subject to condition 3 of this licence. There shall be no other emission to the atmosphere of environmental significance.
- 5.2 Monitoring and analyses of each emission shall be carried out as specified in Schedule 1(ii) of this licence. A report on the results of this monitoring shall be submitted to the Agency quarterly.
- 5.3 A summary report of emissions to atmosphere shall be submitted to the Agency as part of the Annual Environmental Report. The information contained in this report shall be prepared in accordance with any relevant guidelines issued by the Agency.
- 5.4 The licensee shall ensure that all operations on-site of the activity 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 Sewer**

- 6.1 No specified emission to sewer shall exceed the emission limit values set out in Schedule 2(i) of this licence subject to condition 3 of this licence. There shall be no other emissions to sewer of environmental significance.
- 6.2 Trade effluent shall only be discharged to the sewer via a single discharge point, SE1 (as per IPC application), at north west side of the activity. All trade effluent shall pass through the licensee's interceptor trap before discharge to the sewer.



- 6.3 Monitoring and analyses of the emission shall be carried out as specified in Schedule 2(ii) of this licence. A report on the results of this monitoring shall be submitted to the Agency quarterly.
- 6.4 A summary report of emissions to sewer shall be submitted to the Agency as part of the Annual Environmental Report. The information contained in this report shall be prepared in accordance with any relevant guidelines issued by the Agency.
- 6.5 The licensee shall ensure that the effluent discharge shall not contain petroleum hydrocarbons or organic solvents which would give rise to flammable or explosive vapours in the sewer.
- 6.6 A report on the results of the monitoring specified in Schedule 2(ii) shall be submitted to South Dublin County Council annually.

*Reason: To provide for the protection of the environment by way of control, limitation, treatment and monitoring of emissions and to provide for the requirements of the Sanitary Authority in accordance with Section 97 of the EPA Act, 1992.*

## Condition 7 Waste Management

- 7.1 No waste shall be disposed of on-site of activity.
- 7.2 No on-site waste recovery operation may be employed without the written agreement of the Agency.
- 7.3 Disposal/Recovery of waste off-site shall take place only as specified in Schedules 3(i) and 3(ii) of this licence, and in accordance with the appropriate National and European legislation and protocols. No other waste shall be sent off-site without prior notice to, and prior written agreement of, the Agency.
- 7.4 Waste which is to be disposed of /recovered off-site shall only be conveyed to a local authority landfill facility or a licensed facility, and only transported from the site of the activity to the site of disposal/recovery in a manner which will not adversely affect the environment.
- 7.5 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:
- 7.5.1 The names of the agent and transporter of the waste.
  - 7.5.2 The name of the persons responsible for the ultimate disposal/recovery of the waste.
  - 7.5.3 The ultimate destination of the waste.
  - 7.5.4 Written confirmation of the acceptance and disposal/recovery of any hazardous waste consignments sent off-site.
  - 7.5.5 The tonnages and EWC Code for the waste materials listed in Schedule 3(i) and Schedule 3(ii) sent off-site for disposal/recovery.
  - 7.5.6 Details of any rejected consignments.

- 7.6 A copy of this Waste Management record shall be submitted to the Agency as part of the Annual Environmental Report for the site.

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

## Condition 8 Noise

- 8.1 Activities on-site shall not give rise to noise levels at the boundary, in excess of the following sound pressure limits by more than 2 dB(A):
- 8.1.1 Day: 55 dB(A)
  - 8.1.2 Night: 45 dB(A)
- 8.2 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 The licensee shall monitor surface water discharges in accordance with Schedule 4(i) of this licence.
  - 9.1.2 In the event that any analyses or observations made on the quality or appearance of surface water discharges should indicate that contamination has taken place, the licensee shall carry out an immediate investigation to identify and isolate the source of the contamination, put in place measures to prevent further contamination and to minimise the effects of any contamination on the environment, and notify the Agency as soon as is practicable.
- 9.2 Facilities for the Protection of Groundwater and Surface Water
- 9.2.1 The oil storage tank area shall be bunded, either locally or remotely, to a volume of 110% of the tank. In addition, the drum storage area shall be bunded to a volume of 110% of the largest drum stored therein.
  - 9.2.2 The integrity and water tightness of 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 within twelve months of the date of grant of this licence.
  - 9.2.3 Where spillage has occurred the collected material shall be retained and the Agency notified. The means of disposal shall be agreed by the Agency.
  - 9.2.4 While awaiting disposal, all materials shall be collected and stored in designated areas protected against spillage and leachate run-off.
  - 9.2.5 The licensee shall have in storage an adequate supply of containment booms and suitable absorbent materials 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(ii) Monitoring of Emissions to Sewer

Schedule 4 (i) Surface Water Emission Monitoring

in this licence.

10.2 Monitoring and analysis equipment shall be operated and maintained as necessary so that monitoring accurately reflects the emission or discharge.

10.3 The frequency and scope and method of monitoring, sampling and analyses, as set out in the Schedules of this licence, may be amended with the written agreement of the Agency following evaluation of test results.

10.4 The licensee shall provide safe and permanent access to the following sampling and monitoring points:

10.4.1 Emission to sewer sampling point

10.4.2 Emission to atmosphere sampling points

10.4.3 Surface water sampling points

and safe access to any other sampling and monitoring points required by the Agency.

10.5 The licensee shall provide and maintain an inspection chamber in a suitable position in connection with the pipe through which the trade effluent is being discharged. The inspection chamber or manhole shall be maintained by the licensee to permit the taking of samples of the discharge.

*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 Annual Environmental Report.
- 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 and the public at all reasonable times.
- 11.5 Reports of all recording, sampling, analyses, measurements, examinations, calibrations and maintenance as set out in Schedule 5(i) 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 two 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 the Schedules of 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 Agency Charge

- 13.1 The licensee shall pay to the Agency a minimum annual contribution of £2,080, or such 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 in subsequent years, but 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 value pertaining at December 31 of the previous year. 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 next. This amount shall be paid to the Agency within one month of the date of grant of this licence.

*Reason: To provide for adequate financing of monitoring by the Agency.*

## **Condition 14 Sanitary Authority Charges**

- 14.1 The licensee shall pay to the Sanitary Authority 19 pence per cubic metre of trade effluent discharged to the foul sewer or such sum as may be determined from time to time, having regard to the variations in the cost of providing drainage. Payment to be made quarterly on demand.
- 14.2 For charging purposes, the volume of trade effluent shall be deemed to be the inlet water meter reading, as recorded on the Council water meter, less an allowance for domestic consumption of 20 gallons (90 litres) per employee on site per day.
- 14.3 The licensee shall pay an annual charge of £575 to the Sanitary Authority towards the cost of monitoring the trade effluent. This amount will be revised from time to time. Payment to be made on demand.

*Reason : To provide for adequate financing of monitoring by the Sanitary Authority and to provide for the requirements of the Sanitary Authority in accordance with Section 97 of the EPA Act, 1992.*

## Schedule 1(i) Emissions to Atmosphere

<b>Emission Point Reference No.:</b>	A1 (EM 2 as per IPC application)	
<b>Location :</b>	Composite Printing Emission	
<b>Grid Reference No.:</b>	O 08513E 28569N (as per IPC application)	
<b>Volume to be emitted:</b>	Maximum in any one day :	243,600 m <sup>3</sup>
	Maximum rate per hour :	10,150 m <sup>3</sup>
<b>Minimum discharge height:</b>	4.2 m above ground level	

Parameter	Emission Limit Value	
	kg/hr (until 31/12/2001)	mg/m <sup>3</sup> (from 1/1/2002)
Total Organics(as C)	5.5	150



<b>Emission Point Reference No.:</b>	A2 (EM3 as per IPC application)	
<b>Location :</b>	Side-Wall Printing Emission	
<b>Grid Reference No.:</b>	O 08472E 28550N (as per IPC application)	
<b>Volume to be emitted:</b>	Maximum in any one day :	27,600 m <sup>3</sup>
	Maximum rate per hour :	1,150 m <sup>3</sup>
<b>Minimum discharge height:</b>	3.1 m above ground level	

Parameter	Emission Limit Value	
	kg/hr (until 31/12/2001)	mg/m <sup>3</sup> (from 1/1/2002)
Total Organics(as C)	0.5	150

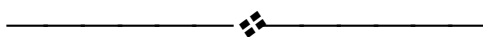


**Emission Point Reference No.:** A3 (EM 4 as per IPC application)  
**Location :** Screen Washer  
**Grid Reference No.:** O 08454E 28533N (as per IPC application)

**Volume to be emitted:** Maximum in any one day : 6,960 m<sup>3</sup>  
 Maximum rate per hour : 290 m<sup>3</sup>

**Minimum discharge height:** 4.2 m above ground level

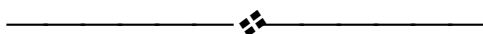
Parameter	Emission Limit Value	
	kg/hr (until 31/12/2001)	mg/m <sup>3</sup> (from 1/1/2002)
Total Organics(as C)	2.5	150



**Schedule 1(ii) Monitoring of Emissions to Atmosphere**

**Emission Point Reference No.:** EM2, EM3, EM4

Parameter	Monitoring Frequency	Analysis Method/Technique
Total Organics (as C)	Quarterly	GC/FID



## Schedule 2(i) Emissions to Sewer

<b>Emission Point Reference No.:</b>	SE 1 (as per IPC application)	
<b>Emission to:</b>	South Dublin County Council Sewer	
<b>Location :</b>	North West side of activity	
<b>Grid Reference No.:</b>	O 08445E 28535N (as per IPC application)	
<b>Volume to be emitted:</b>	Maximum in any one day :	40 m <sup>3</sup>
	Maximum rate of discharge:	3 l/s

Parameter	Emission Limit Value		
Temperature	42°C (max)		
pH	6-9		
	Grab Sample (mg/l)	24 hr Mean (mg/l)	Kg/day
BOD	10,000	8,000	320
COD	20,000	16,000	640
Suspended Solids	500	400	16
Sulphate (as SO <sub>4</sub> )	1,000	-	40
MBAS(as Lauryl Sulphate)	100	-	4.0
Silver (as Ag)	1.0	-	0.04



## Schedule 2(ii) Monitoring of Emissions to Sewer

**Emission Point Reference No.:** SE 1

Parameter	Monitoring Frequency	Analysis Method/Technique
pH	Quarterly	pH electrode/meter
Temperature	Quarterly	Standard Methods <sup>Note1</sup>
BOD	Quarterly	Standard Methods <sup>Note1</sup>
COD	Quarterly	Standard Methods <sup>note1</sup>
Suspended Solids	Quarterly	Standard Methods <sup>Note1</sup>
Sulphate (as SO <sub>4</sub> )	Quarterly	Standard Methods <sup>Note1</sup>
MBAS(as Lauryl Sulphate)	Quarterly	Standard Methods <sup>Note1</sup>
Silver (as Ag)	Quarterly	Standard Methods <sup>Note1</sup>

Note 1: "Standards Methods for the Examination of Water and Wastewater" A.P.H.A. (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, U.S.A)

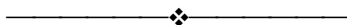


### Schedule 3(i) Hazardous Wastes for Disposal/Recovery

Waste Materials	Further Treatment on-site	On-site recovery, reuse or recycling	Method of off-site disposal/recovery <small>Note1</small>
Waste sludge	None	None	Agreed Hazardous waste Disposal contractor
Other <small>(Note 2)</small>	-	-	-

Note 1: Any variation from those contractors named in the IPC Licence application, or subsequent agreements, must have the prior written agreement of the Agency.

Note 2: No other hazardous waste shall be disposed of off-site without prior notice to, and prior agreement of the Agency.



### Schedule 3(ii) Other Wastes for Disposal/Recovery

Waste Materials	Further Treatment	On-site recovery, reuse or recycling	Method of off-site disposal/Recovery
Miscellaneous Office Waste	None	None	Landfill
Waste Filters	None	None	Landfill
Waste drums	None	None	Landfill
Substrate ( paper, board, vinyl)	None	None	Reuse where practical
Other <small>(Note 1)</small>	-	-	

Note 1: No other waste shall be disposed of or recovered off-site without prior notice to, and prior written agreement of the Agency.



## **Schedule 4 (i) Surface Water Emission Monitoring**

**Emission Point Reference Numbers:** SW1, SW2 (as per IPC application)

<b>Parameter</b>	<b>Monitoring Frequency</b>	<b>Analysis Method/Technique</b>
<b>pH</b>	Biannually	pH electrode/meter
<b>COD</b>	Biannually	Standard Methods <sup>(Note 1)</sup>
<b>Visual Inspection</b>	Weekly	Not applicable

Note 1: "Standards Methods for the Examination of Water and Wastewater" A.P.H.A. (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, U.S.A)



## Schedule 5(i) Recording and Reporting to 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
<b>Monitoring of emissions to atmosphere</b>	Quarterly	10 days after end of each quarter being reported on
<b>Monitoring of emissions to sewer</b>	Quarterly	10 days after end of each quarter being reported on
<b>Surface Water</b>	Biannually	10 days after end of each half being reported on
<b>Complaints (Where they arise)</b>	Monthly	10 days after end of the month being reported on
<b>Environmental management programme - proposal</b>	Annually	6 months from the date of grant of licence and there after as part of the AER
<b>Pollution Emission Register- proposal</b>	Annually	6 months from the date of grant of licence and there after as part of the AER
<b>Targets and Objectives</b>	Annually	6 months from the date of grant of licence and there after as part of the AER
<b>Annual Environmental Report (AER)</b>	Annually	18 months from the date of grant of licence and each year there after.

Annual Environmental Report Content
Emissions to atmosphere summary
Emissions to sewer summary
Surface water monitoring summary
Waste management summary
Review of objectives and targets
Complaints summary
Environmental management programme - proposal
Environmental management programme - report
Pollution emission register - proposal
Pollution emission register - report
Notifiable incidents summary

Items to be Addressed in the EMP
Reduction in emissions to air
Elimination of lead chromate based pigments - alternatives to be found

Once-off Reports

Report	Report Submission Date
<b>Public access to information</b>	6 months from date of grant of licence
<b>Bund integrity assessment</b>	12 months from date of grant of licence