

Headquarters,  
P.O. Box 3000,  
Johnstown Castle Estate  
County Wexford, Ireland

## PROPOSED DECISION

**Waste Licence**

**Register Number:** 122-1

**Applicant:** Silver Lining Industries (Ireland) Limited

**Location of Facility:** Unit 61, Cookstown Industrial Estate,  
Belgard Road, Tallaght, Dublin 24

# INTRODUCTION

This introduction is not part of the licence and does not purport to be a legal interpretation of the licence.

*The facility is based in a small factory unit on an industrial estate in Tallaght on the outskirts of Dublin. The unit consists of the main reception and storage areas, processing equipment, offices for administration, laboratory, canteen and toilet facilities. The activities carried out are: 'recycling or reclamation of metals and metal compounds', and 'the storage of waste primarily for the above activity'. The recovery plant processes photochemical waste, (from the photo processing industry and other outlets) to recover silver and the recovery operation involves both an electro-plating step and a precipitation step. The recovered silver sludges, plates and re-useable liquids are sent to the parent plant in Leeds (UK) for further processing and recovery. Other waste solvents, acids and alkalis are accepted for recovery at the parent plant in Leeds The quantity of waste accepted at the facility is limited to 4,650 tonnes per annum.*

*The licensee must manage and operate the facility to ensure that the activities do not cause environmental pollution. The licensee is required to carry out regular environmental monitoring and submit all monitoring results, and a wide range of reports on the operation and management of the facility to the Agency.*

*The licence sets out in detail the conditions under which Silver Lining Industries (Ireland) Ltd. is required operate and manage this facility.*

# *Table of Contents*

Page No.

<b>INTRODUCTION</b>	
<b>REASONS FOR THE DECISION</b>	<b>1</b>
<b><i>PART I ACTIVITIES LICENSED</i></b>	<b>1</b>
<b>INTERPRETATION</b>	<b>2</b>
<b><i>PART II CONDITIONS</i></b>	<b>4</b>
<b>CONDITION 1 SCOPE OF THE LICENCE</b>	<b>4</b>
<b>CONDITION 2 MANAGEMENT OF THE FACILITY</b>	<b>5</b>
<b>CONDITION 3 FACILITY INFRASTRUCTURE</b>	<b>6</b>
<b>CONDITION 4 RESTORATION AND AFTERCARE</b>	<b>9</b>
<b>CONDITION 5 FACILITY OPERATIONS</b>	<b>8</b>
<b>CONDITION 6 EMISSIONS</b>	<b>10</b>
<b>CONDITION 7 NUISANCE CONTROL</b>	<b>10</b>
<b>CONDITION 8 MONITORING</b>	<b>11</b>
<b>CONDITION 9 CONTINGENCY ARRANGEMENTS</b>	<b>11</b>
<b>CONDITION 10 RECORDS</b>	<b>12</b>
<b>CONDITION 11 REPORTS AND NOTIFICATIONS</b>	<b>14</b>
<b>CONDITION 12 CHARGES AND FINANCIAL PROVISIONS</b>	<b>15</b>
<b>SCHEDULE A : Waste Acceptance</b>	<b>16</b>
<b>SCHEDULE B : Specified Engineering Works</b>	<b>16</b>
<b>SCHEDULE C : Emission Limits</b>	<b>16</b>
<b>SCHEDULE D : Monitoring</b>	<b>17</b>
<b>SCHEDULE E : Recording and Reporting to the Agency</b>	<b>17</b>
<b>SCHEDULE F : Content of the Annual Environmental Report</b>	<b>18</b>

# DECISION & REASONS FOR THE DECISION

The Environmental Protection Agency (the Agency) is satisfied, on the basis of the information available, that the waste activity, or activities, licensed hereunder will comply with the requirements of Section 40(4) of the Waste Management Act, 1996.

In reaching this decision the Agency has considered the application and supporting documentation received from the applicant, all submissions received from other parties and the report of its inspector.

## *Part I Activities Licensed*

In pursuance of the powers conferred on it by the Waste Management Act, 1996, the Agency proposes, under Section 40(1) of the said Act to grant this Waste Licence to Silver Linings Industries (Ireland) Ltd. to carry on the waste activities listed below at Unit 61 Cookstown Industrial Estate, Belgard Road, Tallaght, Dublin 24, subject to conditions, with the reasons therefor and the associated schedules attached thereto set out in the licence.

Licensed Waste Recovery Activities, in accordance with the Fourth Schedule of the Waste Management Act 1996

Class 3.	Recycling or reclamation of metals and metal compounds: This activity is limited to the recovery of silver from waste products
Class 13.	Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced: This activity is limited to the storage of waste including waste for silver recovery and subsequent transfer of recovered materials.

# INTERPRETATION

All terms in this licence should be interpreted in accordance with the definitions in the Waste Management Act, (the Act), unless otherwise defined in this section.

<b>Adequate lighting</b>	20 lux measured at ground level.
<b>Agreement</b>	Agreement in writing.
<b>Annually</b>	At approximately twelve monthly intervals.
<b>Attachment</b>	Any reference to Attachments in this licence refers to attachments submitted as part of the waste licence application.
<b>Application</b>	The application by the licensee for this waste licence.
<b>Appropriate facility</b>	A waste management facility, duly authorised under relevant law and technically suitable.
<b>Bi-annually</b>	All or part of a period of six consecutive months.
<b>Condition</b>	A condition of this licence.
<b>Containment boom</b>	A boom which can contain spillages and prevent them from entering drains or watercourses.
<b>Daytime</b>	8.00 a.m. to 10.00 p.m.
<b>Documentation</b>	Any report, record, result, data, drawing, proposal, interpretation or other document in written or electronic form which is required by this licence.
<b>Drawing</b>	Any reference to a drawing or drawing number means a drawing or drawing number contained in the application, unless otherwise specified in this licence.
<b>Emergency</b>	Those occurrences defined in Condition 9.4
<b>Emission Limits</b>	Those limits, including concentration limits and deposition levels established in <i>Schedule C: Emission Limits</i> , of this licence.
<b>European Waste Catalogue (EWC)</b>	A harmonised, non-exhaustive list of wastes drawn up by the European Commission and published as Commission Decision 94/3/EC and any subsequent amendment published in the Official Journal of the European Community.
<b>Hours of Operation</b>	The hours during which the facility is authorised to be operational.
<b>Hours of Waste Acceptance</b>	The hours during which the facility is authorised to accept waste.
<b>Industrial Waste</b>	As defined in Section 5(1) of the Act.
<b>Licence</b>	A Waste Licence issued in accordance with the Act.
<b>Licensee</b>	Silver Linings Industries (Ireland) Ltd.
<b>Liquid Waste</b>	Any waste in liquid form and containing less than 2% dry matter. Any waste

tankered to the facility.

<b>Maintain</b>	Keep in a fit state, including such regular inspection, servicing, calibration and repair as may be necessary to adequately perform its function.
<b>Monthly</b>	A minimum of 12 times per year, at approximately monthly intervals.
<b>Night-time</b>	10.00 p.m. to 8.00 a.m.
<b>Noise Sensitive Location (NSL)</b>	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.
<b>Quarterly</b>	At approximately three monthly intervals.
<b>Sanitary Authority</b>	South Dublin County Council
<b>Sample(s)</b>	Unless the context of this licence indicates to the contrary, samples shall include measurements by electronic instruments.
<b>Specified Emissions</b>	Those emissions listed in <i>Schedule C: Emission Limits</i> , of this licence.
<b>Specified Engineering Works</b>	Those engineering works listed in <i>Schedule B: Specified Engineering Works</i> , of this licence.
<b>Trigger Level</b>	A parameter value specified in the licence, the achievement or exceedance of which requires certain actions to be taken by the licensee.
<b>Weekly</b>	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.
<b>EPA Working Day</b>	Refers to the following hours; 9.00 a.m. to 5.30 p.m. Monday to Friday inclusive.

## ***PART II CONDITIONS***

### **CONDITION 1 SCOPE OF THE LICENCE**

- 1.1. Waste activities at the facility shall be restricted to those listed and described in Part I: Activities Licensed and authorised by this licence.
- 1.2. For the purposes of this licence, the facility is the area of land outlined in red on the Site Boundary Drawing Issue No. 1 of Article 14 reply dated 12 June 2000. Any reference in this licence to “facility” shall mean the area thus outlined in red.
- 1.3. This licence is for the purposes of waste licensing under the Waste Management Act 1996 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. The maximum tonnage to be accepted at the facility shall not exceed 4650 tonnes per annum.
- 1.5. Only those waste categories and quantities as specified in Table E1.2 of the application and in Article 16(1) reply dated 12<sup>th</sup> January 2001 shall be accepted at the facility.
- 1.6. Waste Acceptance Hours and Hours of Operation
  - 1.6.1. Waste shall only be accepted at the facility between the hours of 7.00am to 7.00pm Monday to Friday inclusive and 7.00am to 2.00pm on Saturdays.
  - 1.6.2. The facility shall only be operated during the hours of 7.00am to 7.00pm Monday to Friday inclusive and 7.00am to 2.00pm on Saturdays and Sundays.
  - 1.6.3. Waste shall not be accepted at the facility on Sundays or on Bank Holidays.
- 1.7. The following shall constitute an incident for the purposes of this licence:
  - a) an emergency;
  - b) any emission which does not comply with the requirements of this licence;
  - c) any exceedance of the daily duty capacity of the waste handling equipment;
  - d) any trigger level specified in this licence which is attained or exceeded; and
  - e) any indication that environmental pollution has, or may have, taken place.
- 1.8. Where the Agency considers that a non-compliance with any condition of this licence has occurred, it may serve a notice on the licensee specifying:
  - 1.8.1. That only those wastes as specified, if any, in the notice are to be accepted at the facility after the date set down in the notice;
  - 1.8.2. That the licensee shall undertake the works stipulated in the notice, and/or otherwise comply with the requirements of the notice as set down therein, within the time-scale contained in the notice; and
  - 1.8.3. That the licensee shall carry out any other requirement specified in the notice. When the notice has been complied with, the licensee shall provide written confirmation that the requirements of the notice have been carried out. No waste, other than that which is stipulated in the notice, shall be accepted at the facility until written permission is received from the Agency.

- 1.9. Every plan, programme or proposal submitted to the Agency for its agreement pursuant to any Condition of this licence shall include a proposed timescale for its implementation. The Agency may modify or alter any such plan, programme or proposal in so far as it considers such modification or alteration to be necessary and shall notify the licensee in writing of any such modification or alteration. Every such plan, programme or proposal shall be carried out within the timescale fixed by the Agency but shall not be undertaken without the agreement of the Agency. Every such plan, programme or proposal agreed by the Agency shall be covered by the conditions of this licence

**Reason:** *To clarify the scope of this licence.*

## **CONDITION 2 MANAGEMENT OF THE FACILITY**

### 2.1 Facility Management

- 2.1.1 The licensee shall employ a suitably qualified and experienced facility manager who shall be designated as the person in charge. The facility manager or a nominated, suitably qualified and experienced deputy shall be present on the facility at all times during its operation.
- 2.1.2 The licensee shall ensure that personnel performing specifically assigned tasks shall be qualified on the basis of appropriate education, training and experience, as required and shall be aware of the requirements of this licence.

### 2.2 Management Structure

- 2.2.1 Within three months from the date of grant of this licence, the licensee shall submit written details of the management structure of the facility to the Agency. Any proposed replacement in the management structure shall be notified in advance in writing to the Agency. Written details of the management structure shall include the following information
- a) the names of all persons who are to provide the management and supervision of the waste activities authorised by the licence, in particular the name of the facility manager and any nominated deputies;
  - b) details of the responsibilities for each individual named under a) above; and
  - c) details of the relevant education, training and experience held by each of the persons nominated under a) above.

### 2.3 Environmental Management System (EMS)

- 2.3.1 The licensee shall establish and maintain an EMS. Within twelve months of the date of grant of this licence, the licensee shall submit to the Agency for its agreement a proposal for a documented Environmental Management System (EMS) for the facility. Following the agreement of the Agency, the licensee shall establish and maintain such a system. The EMS shall be updated on an annual basis with amendments being submitted to the Agency for its agreement.
- 2.3.2 The EMS shall include as a minimum the following elements:

#### 2.3.2.1 Schedule of Environmental Objectives and Targets

The objectives should be specific and the targets measurable. The Schedule shall address a five-year period as a minimum. The Schedule



shall include a time-scale for achieving the objectives and targets and shall comply with any other written guidance issued by the Agency.

#### 2.3.2.2 Environmental Management Plan (EMP)

The EMP shall include, as a minimum, the following:

- (i) methods by which the objectives and targets will be achieved in the coming year and the designation of responsibility for targets;
- (ii) any other items required by written guidance issued by the Agency.

#### 2.3.2.3 Corrective Action Procedures

The Corrective Action Procedures shall detail the corrective actions to be taken should any of the procedures detailed in the EMS not be followed.

#### 2.3.2.4 Awareness and Training Programme

The Awareness and Training Programme shall identify training needs, for personnel who work in or have responsibility for the licensed facility.

### 2.4 Communications Programme

- 2.4.1 The licensee shall establish and maintain a Communications Programme to ensure that members of the public can obtain information at the facility, at all reasonable times, concerning the environmental performance of the facility. This shall be established within six months of the date of grant of this licence.

**REASON:** *To make provision for the proper 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 FACILITY INFRASTRUCTURE

- 3.1 The licensee shall establish all infrastructure referred to in this licence prior to the commencement of the licensed activities or as required by the conditions of this licence.

### 3.2 Specified Engineering Works

- 3.2.1 The licensee shall submit proposals for all Specified Engineering Works, as defined in *Schedule B: Specified Engineering Works*, of this licence, to the Agency for its agreement at least two months prior to the intended date of commencement of any such works. No such works shall be carried out without the prior agreement of the Agency.
- 3.2.2 All specified engineering works shall be supervised by a competent person(s) and that person, or persons, shall be present at all times during which relevant works are being undertaken.
- 3.2.3 Following the completion of all specified engineering works, the licensee shall complete a construction quality assurance validation. The validation report shall be made available to the Agency on request. The report shall include the following information;

- a) a description of the works;
- b) as-built drawings of the works;
- c) records and results of all tests carried out (including failures);
- d) drawings and sections showing the location of all samples and tests carried out;
- e) daily record sheets/diary;
- f) name(s) of contractor(s)/individual(s) responsible for undertaking the specified engineering works;
- g) name(s) of individual(s) responsible for supervision of works and for quality assurance validation of works;
- h) records of any problems and the remedial works carried out to resolve those problems; and
- i) any other information requested in writing by the Agency.

### 3.3 Facility Notice Board

3.3.1 The licensee shall provide and maintain a Facility Notice Board on the facility so that it is legible to persons outside the main entrance to the facility. The minimum dimensions of the board shall be 1200 mm by 750 mm.

3.3.2 The board shall clearly show:

- a) the name and telephone number of the facility;
- b) the hours of opening;
- c) the name of the licence holder;
- d) an emergency out of hours contact telephone number;
- e) the licence reference number; and
- f) where environmental information relating to the facility can be obtained.

### 3.4 Facility Security

3.4.1 Security shall be maintained as described in Attachment D1a of the waste licence application.

### 3.5 Facility Office

3.5.1 The licensee shall provide and maintain an office at the facility. The office shall be constructed and maintained in a manner suitable for the processing and storing of documentation.

3.5.2 The licensee shall provide and maintain a working telephone and a method for electronic transfer of information at the facility.

### 3.6 Waste Inspection and Quarantine Areas

3.6.1 Within three months of the date of issue of the licence, a Waste Inspection Area and a Waste Quarantine Area shall be provided and maintained at the facility.

3.6.2 These areas shall be constructed and maintained in a manner suitable, and be of a size appropriate, for the inspection of waste and subsequent quarantine if required. The waste inspection area and the waste quarantine area shall be clearly identified and segregated from each other.

### 3.7 Tank and Drum Storage Areas

- 3.7.1 All tank and drum storage areas shall be rendered impervious to the materials stored therein.
- 3.7.2 All 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:
- (a) 110% of the capacity of the largest tank or drum within the bunded area; or
  - (b) 25% of the total volume of substance which could be stored within the bunded area.
- 3.7.3 All drainage from bunded areas shall be diverted for collection and safe disposal.
- 3.7.4 All inlets, outlets, vent pipes, valves and gauges must be within the bunded area.
- 3.7.5 The integrity and water tightness of all the bunds and their resistance to penetration by water or other materials stored therein shall be confirmed by the licensee and shall be reported to the Agency within six months of the date of grant of this licence.

This confirmation shall be repeated at least once every three years thereafter and reported to the Agency on each occasion

***REASON: To provide appropriate infrastructure for the protection of the environment.***

## **CONDITION 4 RESTORATION AND AFTERCARE**

- 4.1. A proposal for a Decommissioning and Aftercare Plan for the facility shall be submitted to the Agency within twelve months of the date of grant of this licence. The licensee shall update these schemes when required by the Agency.

***REASON: To provide for the restoration of the facility***

## **CONDITION 5 FACILITY OPERATIONS**

- 5.1 All waste processing shall be carried out inside the facility building.
- 5.2 Waste Acceptance and Characterisation Procedures shall be carried out in accordance with Attachment E.2 of the application unless otherwise agreed with the Agency.
- 5.2.1 Waste arriving at the facility shall be either inspected and/or verified as to its composition and pH where appropriate at the point of entry to the facility and, subject to this inspection, weighed, documented and dealt with in accordance with Attachment E.3 of the licence application. Only after such inspections shall the waste be processed for disposal or recovery.
  - 5.2.2 All suspect materials identified by the visual inspection of the waste shall be diverted to the Waste Quarantine Area, or other designated area as agreed in advance with the Agency, for further examination and classification. Materials other than those permitted by this licence shall be submitted to an alternative appropriate facility.
  - 5.2.3 A record of all inspections of incoming waste loads shall be maintained.
  - 5.2.4 Waste shall only be accepted at the facility from known customers or new customers subject to initial waste profiling and waste characterisation off-site. The written

records of this off-site waste profiling and characterisation shall be retained by the licensee for all active customers and for a two year period following termination of licensee/customer agreements. There shall be no casual public access to the facility.

5.2.5 The waste storage areas shall be clearly marked to indicate the type of waste to be stored in that area and the licensee shall submit to the Agency for agreement within four months of the date of issue of the licence, a waste storage plan based on the compatibility of the materials and their uses.

### 5.3 Operational Controls

5.3.1 The operational procedures for the recovery of silver shall be as detailed in the Silver Lining Article 14(2)(b)(ii) reply dated 10<sup>th</sup> May 2000, or as agreed with the Agency.

5.3.2 The compatibility test for pH adjustment in the recovery process shall be as outlined in the Article 16(1) reply dated 12<sup>th</sup> January 2001 or as agreed with the Agency.

5.3.3 A suitably trained and competent person shall be responsible for overseeing the recovery process.

5.3.4 No waste or waste containers (either full or empty) including pallets or pallet cages, shall be stored outside of the facility building.

5.3.5 The facility entrances shall be locked shut when the facility is unsupervised.

5.3.6 The licensee shall provide and use adequate lighting during the operation of the facility in hours of darkness.

5.3.7 All tanks and drums shall be labelled to clearly indicate their contents. During storage, each drum shall be accessible for identification purposes.

5.3.8 All drums emptied at the facility shall be decontaminated.

5.3.9 All containers accepted at the facility shall be whole and sound. Any leaking or otherwise ruptured containers shall immediately have the contents transferred to a sound container in a manner which will not adversely affect the environment. Any spillages should be cleaned up so as not to adversely affect the environment.

5.3.10 No smoking shall be allowed on the facility (other than in the canteen as shown on the Site Plan submitted with Attachment D (Infrastructure) of the application).

### 5.4 Off-site Disposal and Recovery

5.4.1 Waste sent off-site for recovery or disposal shall only be conveyed by a waste contractor agreed by the Agency;

5.4.2 All waste transferred from the facility shall only be transferred to an appropriate facility agreed by the Agency;

5.4.3 All wastes removed off-site for recovery or disposal shall be transported from the facility to the consignee in a manner which will not adversely affect the environment.

### 5.5 Maintenance

5.5.1 All treatment/abatement and emission control equipment shall be calibrated and maintained, in accordance with the instructions issued by the manufacturer/supplier or installer. Written records of the calibrations and maintenance shall be made and kept by the licensee.

***REASON: To provide for appropriate operation of the facility to ensure protection of the environment.***

## CONDITION 6 EMISSIONS

- 6.1. No specified emission from the facility shall exceed the emission limit values set out in *Schedule C: Emission Limits*, of this licence. There shall be no other emissions of environmental significance.
- 6.2. The licensee shall ensure that the activities shall be carried out in a manner such that emissions do not result in significant impairment of, or significant interference with the environment beyond the facility boundary.
- 6.3. There shall be no emissions to groundwater.
- 6.4. There shall be no trade effluent emissions to sewer or to surface water.
- 6.5. Non-trade effluent wastewater (e.g. fire water, accidental spillage) which occurs on site shall not be discharged to the sewer without the prior authorisation of the Sanitary Authority. The Agency shall be notified of such an event.
- 6.6. There shall be no clearly audible tonal component or impulsive component in the noise emissions from the activity at the noise sensitive locations.
- 6.7. The licensee shall investigate options for the reduction of fugitive emissions to air at the facility including a mass balance of all inputs and outputs during silver recovery. The following periods of operation shall in particular be addressed during the investigation
  - (a) during charging of all vessels / tanks; and
  - (b) during loading and unloading of vehicles

Within nine months of the date of grant of this licence, a report on the investigations shall be submitted to the Agency. The report shall include recommendations for actions to be taken and a timescale for implementation of those recommendations.

**REASON:** *To control emissions from the facility and provide for the protection of the environment.*

## CONDITION 7 NUISANCE CONTROL

- 7.1 The licensee shall ensure that dust, vermin, litter and odours do not give rise to nuisance at the facility or in the immediate area of the facility. Any method used by the licensee to control any such nuisance shall not cause environmental pollution.

**REASON:** *To provide for the control of nuisances*

## CONDITION 8 MONITORING

- 8.1. The licensee shall carry out such monitoring and at such locations and frequencies as set out in *Schedule D: Monitoring*, of this licence and as specified in this licence. Unless otherwise specified by this licence, all environmental monitoring shall commence no later than two months after the date of grant of this licence.
- 8.2. The licensee shall amend the frequency, locations, methods and scope of monitoring as required by this licence only upon the written instruction of the Agency and shall provide such information concerning such amendments as may be requested in writing by the Agency. Such alterations shall be carried out within any timescale nominated by the Agency.
- 8.3. Monitoring and analysis equipment shall be operated and maintained in accordance with the manufacturers' instructions (if any) so that all monitoring results accurately reflect any emission, discharge or environmental parameter.
- 8.4. The licensee shall provide safe and permanent access to all on-site sampling and monitoring points and to off-site points as required by the Agency.
- 8.5. The licensee shall maintain all sampling and monitoring points, and clearly label and name all sampling and monitoring locations, so that they may be used for representative sampling and monitoring.
- 8.6. 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.
- 8.7. 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.
- 8.8. Noise Monitoring
- 8.8.1. The licensee shall carry out noise monitoring as specified in *Schedule D: Monitoring*, of this licence.
- 8.9. Nuisance Monitoring
- 8.9.1. The licensee shall, at a minimum of one week intervals, inspect the facility and its immediate surrounds for nuisances caused by dust, vermin, litter and odours.

**REASON:** *To ensure compliance with the conditions of this licence by provision of a satisfactory system of monitoring of emissions*

## CONDITION 9 CONTINGENCY ARRANGEMENTS

- 9.1. In the event of an incident the licensee shall immediately:
- a) identify the date, time and place of the incident;

- b) carry out an immediate investigation to identify the nature, source and cause of the incident and any emission arising therefrom;
- c) isolate the source of any such emission;
- d) evaluate the environmental pollution, if any, caused by the incident;
- e) identify and execute measures to minimise the emissions/malfunction and the effects thereof;
- f) provide a proposal to the Agency for its agreement within one month of the incident occurring to:
  - i) identify and put in place measures to avoid reoccurrence of the incident; and
  - ii) identify and put in place any other appropriate remedial action.

9.2. The licensee shall within six months of the date of grant of this licence, submit a written Emergency Response Procedure (ERP) to the Agency for its agreement. The ERP shall address any emergency situations which may originate on the facility and shall include provision for minimising the effects of any emergency on the environment. This shall include a risk assessment to determine the requirements at the facility for fire fighting and fire water retention facilities. The Fire Authority shall be consulted by the licensee during this assessment.

9.3. The licensee shall have in storage an adequate supply of containment booms and/or suitable absorbent material to contain and absorb any spillage at the facility. Once used the absorbent material shall be disposed of at an appropriate facility.

9.4. Emergencies

9.4.1. In the event of a complete breakdown of equipment or any other occurrence which results in the closure of the facility building, any waste arriving at or already collected at the facility shall be transferred directly to any other appropriate facility until such time as the transfer station building is returned to a fully operational status. Such a breakdown event will be treated as an emergency and rectified as soon as possible.

9.4.2. All significant spillages occurring at the facility shall be treated as an emergency and immediately cleaned up and dealt with so as to alleviate their effects;

9.4.3. No waste shall be burnt within the boundaries of the facility. A fire at the facility shall be treated as an emergency and immediate action shall be taken to extinguish it and notify the appropriate authorities;

*REASON: To ensure compliance with the conditions of this licence by provision of a satisfactory system of monitoring of emissions*

## **CONDITION 10 RECORDS**

10.1 The licensee shall keep the following documents at the facility office.

- a) the current waste licence relating to the facility;
- b) the current EMS for the facility;
- c) the previous year's AER for the facility;
- d) all written procedures produced by the licensee which relate to the licensed activities.

- 10.2 The licensee shall maintain a written record for each load of waste arriving at and departing from the facility. The licensee shall record the following:
- a) the date;
  - b) the name of the carrier (including if appropriate, the waste carrier registration details);
  - c) the vehicle registration number;
  - d) the name of the producer(s)/collector(s) of the waste as appropriate;
  - e) the name of the waste facility (if appropriate) from which the load originated including the waste licence or waste permit register number;
  - f) a description of the waste including the associated EWC codes;
  - g) the quantity of the waste, recorded in tonnes
  - h) the name of the person checking the load; and,
  - i) where loads or wastes are removed or rejected, details of the date of occurrence, the types of waste and the facility to which they were removed.

10.3 Operational records

Unless otherwise agreed by the Agency, the following operational written records shall be maintained by the licensee:

- a) The number of times per annum (including dates) when the recovery process as detailed in Condition 5.3.1, is undertaken at the facility
- b) The quantities of waste material involved in the recovery process per cycle
- c) Any pH correction procedures necessary per cycle (as detailed in Condition 5.3.2) including the pH of the material used for the correction as well as the main reaction vessel pH and the person responsible for overseeing the reaction.

10.4 Written Records

The following written records shall be maintained by the licensee:

- a) the types and quantities of waste recovered at the facility each year. These records shall include the relevant EWC Codes;
- b) all training undertaken by facility staff;
- c) results from all integrity tests of bunds and other structures and any maintenance or remedial work arising from them;
- d) details of all nuisance inspections; and
- e) the names and qualifications of all persons who carry out all sampling and monitoring as required by this licence and who carry out the interpretation of the results of such sampling and monitoring.

- 10.5 The licensee shall maintain a written record of all complaints relating to the operation of the activity. Each such record shall give details of the following:

- a) date and time of the complaint;
- b) the name of the complainant;
- c) details of the nature of the complaint;
- d) actions taken on foot of the complaint and the results of such actions; and,
- e) the response made to each complainant.



## **CONDITION 11 REPORTS AND NOTIFICATIONS**

- 11.1 Unless otherwise agreed by the Agency, all reports and notifications submitted to the Agency shall:
- (a) be sent to the Agency's headquarters;
  - (b) comprise one original and three copies unless additional copies are required;
  - (c) be formatted in accordance with any written instruction or guidance issued by the Agency;
  - (d) include whatever information as is specified in writing by the Agency;
  - (e) be identified by a unique code, indicate any modification or amendment, and be correctly dated to reflect any such modification or amendment;
  - (f) be submitted in accordance to the relevant reporting frequencies specified by this licence, such as in *Schedule E: Recording and Reporting to the Agency*, of this licence;
  - (g) be accompanied by a written interpretation setting out their significance in the case of all monitoring data; and
  - (h) be transferred electronically to the Agency's computer system if required by the Agency.
- 11.2 In the event of an incident occurring on the facility, the licensee shall:
- a) notify the Agency as soon as practicable and in any case not later than 10.00 am the following working day after the occurrence of any incident;
  - b) submit a written record of the incident, including all aspects described in Condition 9.1(a-e), to the Agency as soon as practicable and in any case within five working days after the occurrence of any incident; and
  - c) in the event of any incident which relates to discharges to surface/sewer water, notify South Dublin County Council as soon as practicable and in any case not later than 10:00am on the following working day after such an incident.
  - d) Should any further actions be taken as a result of an incident occurring, the licensee shall forward a written report of those actions to the Agency as soon as practicable and no later than ten days after the initiation of those actions.
- 11.3 Monitoring Locations
- 11.3.1 Within six months of the date of grant of this licence, the licensee shall submit to the Agency an appropriately scaled drawing(s) showing all the monitoring locations that are stipulated in this licence. The drawing(s) shall include the reference code of each monitoring point.
- 11.4 Annual Environmental Report
- 11.4.1 The licensee shall submit to the Agency for its agreement, within thirteen months from the date of grant of this licence, and one month after the end of each calendar year thereafter, an Annual Environmental Report (AER).
- 11.4.2 The AER shall include as a minimum the information specified in *Schedule F: Content of Annual Environmental Report*, of this licence and shall be prepared in accordance with any relevant written guidance issued by the Agency.

**REASON:** *To provide for proper reporting and notification of the Agency.*

## **CONDITION 12 CHARGES AND FINANCIAL PROVISIONS**

### 12.1 Agency Charges

- 12.1.1 The licensee shall pay to the Agency an annual contribution of £4,313 (€ 5,476) or such sum as the Agency from time to time determines, towards the cost of monitoring the activity or otherwise in performing any functions in relation to the activity, as the Agency considers necessary for the performance of its functions under the Waste Management Act, 1996. The licensee shall in 2002 and subsequent years, not later than January 31 of each year, pay to the Agency this amount updated in accordance with changes in the Public Sector Average Earnings Index from the date of the licence to the renewal date. The updated amount shall be notified to the licensee by the Agency. For 2001, the licensee shall pay a pro rata amount from the date of this licence to 31<sup>st</sup> December 2001. This amount shall be paid to the Agency within one month of the date of grant of this licence.
- 12.1.2 In the event that the frequency or extent of monitoring or other functions carried out by the Agency needs to be increased the licensee shall contribute such sums as determined by the Agency to defraying its costs.

### 12.2 Financial Provision for Closure, Restoration and Aftercare

- 12.2.1 The licensee shall arrange for the completion of a comprehensive and fully costed Environmental Liabilities Risk Assessment for the facility which will address liabilities arising from the carrying on of the activities to which this licence relates. This assessment shall be submitted to the Agency for its agreement within six months of date of grant of this licence.
- 12.2.2 Within three months of the date of agreement by the Agency as provided for in Condition 12.2.1, the licensee shall make a Proposal for Financial Provision to the Agency for its agreement to cover any liabilities incurred by the licensee in carrying on the activities to which this licence relates. Such provision shall be put in place by the licensee within three months of the date of agreement to it by the Agency.
- 12.2.3 The amount of financial provision, held under Condition 12.2.2 shall be reviewed and revised as necessary, but at least annually. Any proposal for such a revision shall be submitted to the Agency for its agreement.
- 12.2.4 The licensee shall within two weeks of purchase, renewal or revision of the financial provision required under Condition 12.2.2, forward to the Agency written proof of such indemnity.

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

## SCHEDULE A : Waste Acceptance

### A.1 Waste Acceptance

Table A.1 Waste Categories and Quantities

WASTE TYPE	MAXIMUM (TONNES PER ANNUM)
Industrial Non Hazardous Liquids	100
Industrial Non Hazardous sludges	50
Industrial Non Hazardous solids	300
Hazardous*	4200
TOTAL	4650

\* Only the materials as specified in Table E1.2 of the application

## SCHEDULE B : Specified Engineering Works

Specified Engineering Works
Installation of waste handling, processing, recycling/recovery infrastructure and installation of increased waste processing capacity.
Any other works notified in writing by the Agency.

## SCHEDULE C :Emission Limits

### C.1 Noise Emissions: (Measured at the monitoring points to be agreed with the Agency)

Day dB(A) $L_{Aeq}$ (30 minutes)	Night dB(A) $L_{Aeq}$ (30 minutes)
55	45

## SCHEDULE D : Monitoring

Monitoring to be carried out as specified below.

### D.1 Noise

Two monitoring locations to be agreed with the Agency.

**Table D.1.1 Noise Monitoring Frequency and Technique**

Parameter	Monitoring Frequency	Analysis Method/Technique
L(A) <sub>EQ</sub> [30 minutes]	Annual	Standard <sup>Note 1</sup>
L(A) <sub>10</sub> [30 minutes]	Annual	Standard <sup>Note 1</sup>
L(A) <sub>90</sub> [30 minutes]	Annual	Standard <sup>Note 1</sup>
Frequency Analysis(1/3 Octave band analysis)	Annual	Standard <sup>Note 1</sup>

Note 1: "International Standards Organisation. ISO 1996. Acoustics - description and Measurement of Environmental noise. Parts 1, 2 and 3."

## SCHEDULE E :Recording and Reporting to the Agency

Report	Reporting Frequency <sup>Note1</sup>	Report Submission Date
Environmental Management System Updates	Annually	One month after the end of the year reported on.
Annual Environment Report (AER)	Annually	Thirteen months from the date of grant of licence and one month after the end of each calendar year thereafter.
Record of incidents	As they occur	Within five days of the incident.
Bund, tank and container integrity assessment	Every three years	Six months from the date of grant of licence and one month after end of the three year period being reported on.
Specified Engineering Works reports	As they arise	Prior to the works commencing.
Noise Monitoring	Annually	One month after end of the year being reported on.
Any other monitoring	As it occurs	Within ten days of obtaining results.

Note 1: Unless altered at the request of the Agency

# SCHEDULE F :Content of the Annual Environmental Report

## Annual Environmental Report Content

Reporting Period.

Waste activities carried out at the facility.

Quantity and Composition of waste recovered, received and disposed of during the reporting period and each previous year (relevant EWC codes to be used)

Summary report on emissions

Summary of results and interpretations of environmental monitoring, including a location plan of all monitoring locations.

Resource and energy consumption summary.

Development / Infrastructural works in place and planned, to process waste quantities projected for the following year (including plant operating capacity, provision of adequate standby capacity and provision of contingency, backup and spares in the case of breakdown)

Schedule of Environmental Objectives and Targets for the forthcoming year.

Report on the progress towards achievement of the Environmental Objectives and Targets contained in previous year's report.

Full title and a written summary of any procedures developed by the licensee in the year which relates to the facility operation.

Tank, drum, pipeline and bund testing and inspection report.

Reported Incidents and Complaints summaries.

Review of Nuisance Controls.

Reports on financial provision made under this licence, management and staffing structure of the facility, and a programme for public information

Any other items specified by the Agency.

NOTE 1 Content to be revised subject to the agreement of the Agency after cessation of waste acceptance at the facility.

**Signed on behalf of the said Agency**  
on the 13<sup>th</sup> day of November, 2001

\_\_\_\_\_  
Patrick J. Nolan

**Authorised Person**