

LICENCE REG. NO. P0136-04 HAS BEEN TRANSFERRED

Please note that Licence Reg No. P0136-04 was transferred to Pfizer Ireland Pharmaceuticals on 25 January 2011. For information on this please refer to Transfer Notification on the Agency's website.

This licence was amended on 31 March 2011, 16 December 2011, 14 January 2013, 10 May 2013, 22 January 2015, 20 April 2016 and 17 May 2019 under Section 96(1) of the Environmental Protection Agency Act 1992 as amended. The details of Amendments A, B, C, D, E, F and G must be read in conjunction with this licence. The amendment documents are entitled "Technical Amendment A", "Technical Amendment B", "Technical Amendment C", "Technical Amendment D", "Technical Amendment E", "Technical Amendment F" and "Technical Amendment G".

This licence was amended on 18th December 2013 under Section S82A(11) of the Environmental Protection Agency Act 1992 as amended. The details of the Amendment must be read in conjunction with this licence. The amendment document is entitled "IED Amendment".

LICENCE REG NO. P0136-04 HAS BEEN TRANSFERRED.

Please note licence Reg. No. P0136-04 was transferred to Upjohn Manufacturing Ireland Limited on 24/05/2019. For further information on this please refer to Transfer Notification on the Agency's website.



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

INTEGRATED POLLUTION PREVENTION & CONTROL LICENCE

Licence Register Number:	P0136-04
Licensee:	Pfizer Overseas Pharmaceuticals and C.P. Pharmaceuticals International C.V. (a limited partnership represented by and acting through Pfizer Manufacturing LLC and Pfizer Production LLC) trading as Pfizer Ireland Pharmaceuticals.
Location of Installation:	Wallingstown, Little Island, Cork.

INTRODUCTION

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

This installation is operated by a Pfizer subsidiary trading as Pfizer Ireland Pharmaceuticals (PIP). The installation is a bulk pharmaceutical manufacturing facility located at Wallingstown, Little Island, Cork. The site is bounded to the north by the N25 and Bury's Basin and to the south, east and west by industrial installations. The site area is approximately 12 acres and the installation operates 24 hours per day, 7 days per week.

This revised licence allows the licensee to use organic solvent wastes as an alternative fuel in an on-site boiler (emission point V1). These wastes are solvents which are not of sufficient quality to be reused in Active Pharmaceutical Ingredient (API) Manufacture. The solvent waste will initially be sourced from within the licensed installation, however the licence also allows this fuel source to be supplemented from other sources subject to waste profiling and characterisation. This activity (co-incineration) is subject to the Waste Incineration Directive 2000/76/EC (WID), and the revised licence incorporates the relevant requirements of the Directive.

The licence sets out in detail the conditions under which Pfizer Overseas Pharmaceuticals and C.P. Pharmaceuticals International C.V. (a limited partnership represented by and acting through Pfizer Manufacturing LLC and Pfizer Production LLC) trading as Pfizer Ireland Pharmaceuticals will operate and manage this installation.

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Glossary of Terms

All terms in this licence should be interpreted in accordance with the definitions in the Environmental Protection Agency Acts 1992 to 2007 / Waste Management Acts 1996 to 2010, unless otherwise defined in the section.

Adequate lighting	20 lux measured at ground level.
AER	Annual Environmental Report.
Agreement	Agreement in writing.
Annually	All or part of a period of twelve consecutive months.
Application	The application by the licensee for this licence.
Appropriate Facility	A waste management facility, duly authorised under relevant law and technically suitable.
Attachment	Any reference to Attachments in this licence refers to attachments submitted as part of this licence application.
BAT	Best Available Techniques.
Biannually	At approximately six – monthly intervals.
Biennially	Once every two years.
BOD	5 day Biochemical Oxygen Demand (without nitrification suppression).
CBOD	5 day Carbonaceous Biochemical Oxygen Demand (with nitrification suppression).
CEN	Comité Européen De Normalisation – European Committee for Standardisation.
COD	Chemical Oxygen Demand.
Co-incineration	As defined in Directive 2000/76/EC.
Containment boom	A boom that can contain spillages and prevent them from entering drains or watercourses or from further contaminating watercourses.
Daily	During all days of plant operation and, in the case of emissions, when emissions are taking place; with at least one measurement on any one day.

Day	Any 24 hour period.
Daytime	0800 hrs to 2200 hrs.
dB(A)	Decibels (A weighted).
Dioxins and Furans	As defined in Directive 2000/76/EC.
DO	Dissolved oxygen.
Documentation	Any report, record, results, data, drawing, proposal, interpretation or other document in written or electronic form which is required by this licence.
Drawing	Any reference to a drawing or drawing number means a drawing or drawing number contained in the application, unless otherwise specified in this licence.
EMP	Environmental Management Programme.
Emission limits	Those limits, including concentration limits and deposition rates, established in <i>Schedule B: Emission Limits</i> , of this licence.
Environmental damage	As defined in Directive 2004/35/EC.
EPA	Environmental Protection Agency.
European Waste Catalogue (EWC)	A harmonised, non-exhaustive list of wastes drawn up by the European Commission and published as Commission Decision 2000/532/EC and any subsequent amendment published in the Official Journal of the European Community.
Facility	Any site or premises used for the purpose of the recovery or disposal of waste.
Fortnightly	A minimum of 24 times per year, at approximately two week intervals.
Gas Oil	Gas Oil as defined in Council Directive 1999/32/EC and meeting the requirements of S.I. No. 119 of 2008.
GC/MS	Gas chromatography/mass spectroscopy.
ha	Hectare.
Heavy metals	This term is to be interpreted as set out in "Parameters of Water Quality, Interpretation and Standards" published by the Agency in 2001. ISBN 1-84095-015-3.

Hours of operation	The hours during which the installation is authorised to be operational.
ICP	Inductively coupled plasma spectroscopy.
Incident	The following shall constitute as incident for the purposes of this licence: (i) an emergency; (ii) any emission which does not comply with the requirements of this licence; (iii) any trigger level specified in this licence which is attained or exceeded; and, (iv) any indication that environmental pollution has, or may have, taken place.
Industrial waste	As defined in Section 5(1) of the Waste Management Acts 1996 to 2010.
Installation	A stationary technical unit or plant where the activity concerned referred to in the First Schedule of EPA Acts 1992 to 2007 is or will be carried on, and shall be deemed to include any directly associated activity, which has a technical connection with the activity and is carried out on the site of the activity.
IPPC	Integrated Pollution Prevention & Control.
K	Kelvin.
kPa	Kilopascals.
L_{eq}	Equivalent continuous sound level.
Licensee	Pfizer Overseas Pharmaceuticals and C.P. Pharmaceuticals International C.V. (a limited partnership represented by and acting through Pfizer Manufacturing LLC and Pfizer Production LLC) trading as Pfizer Ireland Pharmaceuticals, Wallingstown, Little Island, Cork.
Liquid waste	Any waste in liquid form and containing less than 2% dry matter.
List I	As listed in the EC Directives 2006/11/EC and 80/68/EEC and amendments.
List II	As listed in the EC Directives 2006/11/EC and 80/68/EEC and amendments.
Local Authority	Cork County Council.
Maintain	Keep in a fit state, including such regular inspection, servicing, calibration and repair as may be necessary to perform its function adequately.

Mass flow limit	An emission limit value expressed as the maximum mass of a substance that can be emitted per unit time.
Mass flow threshold	A mass flow rate above which a concentration limit applies.
Monthly	A minimum of 12 times per year, at intervals of approximately one month.
Night-time	2200 hrs to 0800 hrs.
Noise-sensitive location (NSL)	Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other installation or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels.
Oil separator	Device installed according to the International Standard I.S. EN 858-2:2003 (Separator system for light liquids, (e.g. oil and petrol) – Part 2: Selection of normal size, installation, operation and maintenance).
PRTR	Pollutant Release and Transfer Register.
Quarterly	All or part of a period of three consecutive months beginning on the first day of January, April, July or October.
Sample(s)	Unless the context of this licence indicates to the contrary, the term samples shall include measurements taken by electronic instruments.
Sanitary effluent	Wastewater from installation toilet, washroom and canteen facilities.
SOP	Standard operating procedure.
Specified emissions	Those emissions listed in <i>Schedule B: Emission Limits</i> , of this licence.
Standard method	A National, European or internationally recognised procedure (e.g. I.S. EN, ISO, CEN, BS or equivalent); or an in-house documented procedure based on the above references; a procedure as detailed in the current edition of “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.), American Public Health Association, 1015 Fifteenth Street, N.W., Washington DC 20005, USA; or an alternative method as may be agreed by the Agency.
Storm water	Rain water run-off from roof and non-process areas.
The Agency	Environmental Protection Agency.
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, including the amendment for Classification of Organic Substances according to section 3.1.7 TA. Luft, published in July 1997.

TOC	Total organic carbon.
Trade effluent	Trade effluent has the meaning given in the Water Services Act, 2007.
Trigger level	A parameter value, the achievement or exceedance of which requires certain actions to be taken by the licensee.
Water Services Authority	Cork County Council.
Weekly	During all weeks of plant operation and, in the case of emissions, when emissions are taking place; with at least one measurement in any one week.
WWTP	Waste water treatment plant.

Decision & Reasons for the Decision

The Environmental Protection Agency is satisfied, on the basis of the information available, that subject to compliance with the conditions of this licence, any emissions from the activity will comply with and will not contravene any of the requirements of Section 83(5) of the Environmental Protection Agency Acts 1992 to 2007.

In reaching this decision the Environmental Protection Agency has considered the application and supporting documentation received from the applicant, and the report of its inspector.

No objection having been received to the proposed determination, the licence is granted in accordance with the terms of the proposed determination.

Part I Schedule of Activities Licensed

In pursuance of the powers conferred on it by the Environmental Protection Agency Acts 1992 to 2007, the Agency hereby grants this revised Integrated Pollution Prevention & Control Licence to:

Pfizer Overseas Pharmaceuticals and C.P. Pharmaceuticals International C.V. (a limited partnership represented by and acting through Pfizer Manufacturing LLC and Pfizer Production LLC) trading as Pfizer Ireland Pharmaceuticals, Wallingstown, Little Island, Cork,

under Section 90(2) of the said Acts to carry on the following activities:

- : - The use of a chemical or biological process for the production of basic pharmaceutical products,
- : - The recovery of waste in a facility, within the meaning of the Act of 1996, which facility is connected or associated with another activity specified in this Schedule in respect of which a licence or revised licence under Part IV is in force or in respect of which a licence under the said Part is or will be required,

at Wallingstown, Little Island, Cork, subject to the following twelve Conditions, with the reasons therefor and associated schedules attached thereto.

Part II Schedule of Activities Refused

None of the proposed activities as set out in the licence application have been refused.

Part III Conditions

Condition 1. Scope

- 1.1 IPPC activities at this installation shall be restricted to those listed and described in *Part I Schedule of Activities Licensed*, and shall be as set out in the licence application or as modified under Condition 1.4 of this licence and subject to the conditions of this licence.
- 1.2 Activities at this installation shall be limited as set out in *Schedule A: Limitations*, of this licence.
- 1.3 For the purposes of this licence, the installation authorised by this licence is the area of land outlined in red on Drawing No. FSK 2015 Revision 2 of the review application P0136-04. Any reference in this licence to “installation” shall mean the area thus outlined in red. The licensed activities shall be carried on only within the area outlined.
- 1.4 No alteration to, or reconstruction in respect of, the activity, or any part thereof, that would, or is likely to, result in
- (i) a material change or increase in:
- the nature or quantity of any emission;
 - the abatement/treatment or recovery systems;
 - the range of processes to be carried out;
 - the fuels, raw materials, intermediates, products or wastes generated, or
- (ii) any changes in:
- site management, infrastructure or control with adverse environmental significance;
- shall be carried out or commenced without prior notice to, and without the agreement of, the Agency.
- 1.5 The installation shall be controlled, operated and maintained, and emissions shall take place as set out in the licence. All programmes required to be carried out under the terms of this licence become part of this licence.
- 1.6 This licence is for the purpose of IPPC licensing under the EPA Acts 1992 to 2007 only and nothing in this licence shall be construed as negating the licensee’s statutory obligations or requirements under any other enactments or regulations.
- 1.7 This licence has been granted in substitution for the licence granted to the licensee on 13th September 2007 (Register No P0136-03). The previous IPPC licence (Reg No. P0136-03) is superseded by this revised licence.

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

Condition 2. Management of the Installation

- 2.1 Installation Management
- 2.1.1 The licensee shall employ a suitable qualified and experienced installation manager who shall be designated as the person in charge. The installation manager or a nominated, suitably qualified and experienced deputy shall be present on the installation at all times during its operation or as otherwise required by the Agency. The responsibility for the management of the co-incineration plant shall be assigned to a person who is competent to manage the plant.

- 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 Environmental Management System (EMS)

- 2.2.1 The licensee shall maintain an Environmental Management System (EMS). The EMS shall be updated on an annual basis.

- 2.2.2 The EMS shall include, as a minimum, the following elements:

2.2.2.1 Management and Reporting Structure.

2.2.2.2 Schedule of Environmental Objectives and Targets

The licensee shall maintain a Schedule of Environmental Objectives and Targets. The schedule shall, as a minimum, provide for a review of all operations and processes, including an evaluation of practicable options, for energy and resource efficiency, the use of cleaner technology, cleaner production, and the prevention, reduction and minimisation of waste and shall include waste reduction targets. The schedule shall include time frames for the achievement of set targets and shall address a five-year period as a minimum. The schedule shall be reviewed annually and amendments thereto notified to the Agency for agreement as part of the Annual Environmental Report (AER).

2.2.2.3 Environmental Management Programme (EMP)

The licensee shall maintain an EMP, including a time schedule, for achieving the Environmental Objectives and Targets prepared under Condition 2.2.2.2. Once agreed the EMP shall be maintained by the licensee. It shall include:

- designation of responsibility for targets;
- the means by which they may be achieved;
- the time within which they may be achieved.

The EMP shall be reviewed annually and amendments thereto notified to the Agency for agreement as part of the Annual Environmental Report (AER).

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.

2.2.2.4 Documentation

- (i) The licensee shall maintain an environmental management documentation system which shall be to the satisfaction of the Agency.
- (ii) The licensee shall issue a copy of this licence to all relevant personnel whose duties relate to any condition of this licence.

2.2.2.5 Corrective Action

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 persons initiating further investigation and corrective action in the event of a reported non-conformity with this licence shall be defined.

2.2.2.6 Awareness and Training

The licensee shall 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.

2.2.2.7 Communications Programme

The licensee shall maintain a Public Awareness and Communications Programme to ensure that members of the public can obtain information at the installation, at all reasonable times, concerning the environmental performance of the installation.

2.2.2.8 Maintenance Programme

The licensee shall maintain a programme for maintenance of all plant and equipment based on the instructions issued by the manufacturer/supplier or installer of the equipment. Appropriate record keeping and diagnostic testing shall support this maintenance programme. The licensee shall clearly allocate responsibility for the planning, management and execution of all aspects of this programme to appropriate personnel (see Condition 2.1 above).

2.2.2.9 Efficient Process Control

The licensee shall maintain a programme to ensure there is adequate control of processes under all modes of operation. The programme shall identify the key indicator parameters for process control performance, as well as identifying methods for measuring and controlling these parameters. Abnormal process operating conditions shall be documented, and analysed to identify any necessary corrective action.

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. Infrastructure and Operation

- 3.1 The licensee shall establish and maintain, for each component of the installation, all infrastructure referred to in this licence in advance of the commencement of the licensed activities in that component, or as required by the conditions of this licence. Infrastructure specified in the application that relates to the environmental performance of the installation and is not specified in the licence, shall be installed in accordance with the schedule submitted in the application.
- 3.2 Installation Notice Board
- 3.2.1 The licensee shall, within one month of the date of grant of this licence, provide an Installation Notice Board on the installation so that it is legible to persons outside the main entrance to the installation. The minimum dimensions of the board shall be 1200 mm by 750 mm. The notice board shall be maintained thereafter.
- 3.2.2 The board shall clearly show:
- (i) the name and telephone number of the installation;
 - (ii) the normal hours of operation;
 - (iii) the name of the licence holder;
 - (iv) an emergency out of hours contact telephone number;
 - (v) the licence reference number; and
 - (vi) where environmental information relating to the installation can be obtained.
- 3.3 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.

- 3.4 In the case of composite sampling of aqueous emissions from the operation of the installation, a separate composite sample or homogeneous sub-sample (of sufficient volume as advised) shall be refrigerated immediately after collection and retained as required for EPA use.
- 3.5 The licensee shall clearly label and provide safe and permanent access to all on-site sampling and monitoring points and to off-site points as required by the Agency. The requirement with regard to off-site points is subject to the prior agreement of the landowner(s) concerned.
- 3.6 Tank, Container and Drum Storage Areas
- 3.6.1 All tank, container and drum storage areas shall be rendered impervious to the materials stored therein. Bunds shall be designed having regard to Agency guidelines 'Storage and Transfer of Materials for Scheduled Activities' (2004).
- 3.6.2 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:
- (i) 110% of the capacity of the largest tank or drum within the bunded area; or
 - (ii) 25% of the total volume of substance that could be stored within the bunded area.
- 3.6.3 All drainage from bunded areas shall be treated as hazardous waste unless it can be demonstrated to be otherwise. All drainage from bunded areas shall be diverted for collection and safe disposal.
- 3.6.4 All inlets, outlets, vent pipes, valves and gauges must be within the bunded area.
- 3.6.5 All tanks, containers and drums shall be labelled to clearly indicate their contents.
- 3.7 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 installation. Once used, the absorbent material shall be disposed of at an appropriate facility.
- 3.8 Silt Traps and Oil Separators
- The licensee shall ensure that storm water discharges from SW3 pass through a silt trap and oil separator in advance of discharge. The separator shall be a Class I full retention separator.
- The silt traps and separator shall be in accordance with I.S. EN-858-2: 2003 (separator systems for light liquids).
- 3.9 Fire-water Retention
- In the event of a fire or a spillage to storm water, the site storm water shall be diverted to the containment ponds. The licensee shall have regard to any guidelines issued by the Agency with regard to firewater retention. Firewater shall not be disposed of without the prior authorisation of the Agency and the Water Services Authority.
- 3.10 High liquid level alarms (or oil detectors as appropriate) shall be maintained on all pumps sumps, storage tanks, lagoons or other treatment plant chambers from which spillage of environmentally significant materials might occur in such quantities as are likely to breach local or remote containment or separators.
- 3.11 The provision of a catchment system to collect any leaks from flanges and valves of all over-ground pipes used to transport material other than water shall be examined. This shall be incorporated into a Schedule of Environmental Objectives and Targets set out in Condition 2. of this licence for the reduction in fugitive emissions.
- 3.12 All wellheads, whose locations are shown on the drawing entitled "Site plan and well location map" in the Groundwater monitoring report submitted with licence application P0136-04, shall be adequately protected to prevent contamination or physical damage.
- 3.13 The licensee shall maintain 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.
- 3.14 The licensee shall implement established shut down procedures for the plant, for any by-pass of any of the thermal oxidisers in excess of ten minutes duration.

- 3.15 Light Fuel Oil or Diesel Oil (sulphur content not exceeding 0.1% by mass), natural gas or waste solvents subject to the requirements of this licence, shall be used as fuel at the installation. Alternative fuels may be used with the prior written agreement of the Agency.
- 3.16 Boiler A (Emission Point V1) operation when utilising waste solvent:
- 3.16.1 Even under the most unfavourable of conditions, the boiler shall be operated in such a way that the gas resulting from the co-incineration of waste is raised, in a controlled and homogeneous fashion, to a temperature of 850°C as measured near the inner wall or at another representative point of the combustion chamber as authorised by the Agency. Waste shall be charged into the boiler only when these operating conditions are being complied with and when the continuous monitoring shows that the emission limit values are not being exceeded.
- 3.16.2 The co-incineration plant shall be equipped with at least one auxiliary burner. The auxiliary burner shall be switched on automatically when the temperature of the combustion gases after the last injection of combustion air falls below 850°C. The auxiliary burners shall also be used during plant start-up and shut-down operations in order to ensure the temperature of $\geq 850^{\circ}\text{C}$ is maintained at all times during the co-incineration of waste and as long as there is unburned waste in the combustion chamber.
- 3.16.3 The boiler shall have and operate an automatic system to prevent waste feed:
- At start-up, until the temperature of 850°C has been reached;
 - Whenever the temperature of 850°C is not maintained;
 - Whenever the continuous measurements show that any emission limit value is exceeded due to disturbances;
 - Whenever stoppages, disturbances, or failure of the measurement devices may result in the exceedance of the emissions limit values.
- 3.16.4 Boiler shut down:
- In the event of:
- Failure of any piece of control equipment related to the boiler or failure of any continuous monitor related to operating parameters or emissions from the boiler, or where a contingency system which must have been previously agreed by the Agency is not implemented;
- or
- Failure of the boiler to achieve the operating parameters and emission limit values shown in *Schedule B: Emission Limits*, of this licence;
- the boiler shall be shut down as soon as practicable in a manner consistent with safety and the protection of the environment.
- 3.16.5 No wastes containing halogenated organic substances or metals are permitted to be combusted.

Reason: *To provide for appropriate operation of the installation to ensure protection of the environment.*

Condition 4. Interpretation

4.1 Emission limits for emissions to atmosphere from Boiler A (when combusting liquid waste) in this licence shall be interpreted in the following way:

4.1.1 For continuous monitoring of parameters other than carbon monoxide:

- (i) No valid daily mean value shall exceed the emission limit value;
- (ii) Either all 30 minute mean values taken continuously over an annual period shall not exceed the emission limit value set out in Column B, *Schedule B.1: Emissions to Air* of this licence, or where relevant, 97% of the validated 30 minute mean values taken continuously over an annual period shall not exceed the emission limit set out in Column B, *Schedule B.1: Emissions to Air* of this licence.

4.1.2 For continuous monitoring of carbon monoxide:

- (i) 95% of all measurements determined as 10 minute average values shall not exceed the emission limit value;
- (ii) No 30 minute average value shall exceed the emission limit value;
- (iii) 97% of the validated daily average values taken continuously over an annual period shall not exceed the emission limit value.

4.1.3 The half-hourly average values and the 10 minute averages shall be determined within the effective operating time (excluding the start-up and shut-off periods if no waste is being incinerated) from the measured values after having subtracted the value of the confidence interval specified below. The daily average values shall be determined from those validated average values.

4.1.4 At the daily emission limit value level, the values of the 95% confidence intervals of a single measured result shall not exceed the following percentages of the emission limit values:

Carbon monoxide:	10%
Nitrogen dioxide:	20%
Total dust:	30%
Total organic carbon:	30%

4.1.5 To obtain a valid daily average value no more than five half hourly average values in any day shall be discarded due to malfunction or maintenance of the continuous measurement system. No more than ten daily average values per year shall be discarded due to malfunction or maintenance of the continuous measurement system.

4.1.6 Non-Continuous Monitoring

- (i) For any parameter where, due to sampling/analytical limitations, a 30 minute sampling period is inappropriate, a suitable sampling period should be employed and the value obtained therein shall not exceed the emission limit value set out in Column A, *Schedule B.1: Emissions to Air* of this licence.
- (ii) For all other parameters, no 30 minute mean value shall exceed the emission limit value set out in Column A, *Schedule B.1: Emissions to Air* of this licence;
- (iii) For flow, no hourly or daily value calculated on the basis of appropriate spot readings, shall exceed the emission limit value.

- 4.2 Emission limit values for emissions to atmosphere in this licence (including Boiler A when not combusting liquid waste) shall be interpreted in the following way:
- 4.2.1 Continuous Monitoring
- (i) No 24 hour mean value shall exceed the emission limit value.
 - (ii) 97% of all 30 minute mean values taken continuously over an annual period shall not exceed 1.2 times the emission limit value.
 - (iii) No 30 minute mean value shall exceed twice the emission limit value.
- 4.2.2 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 value, calculated on the basis of appropriate spot readings, shall exceed the relevant limit value.
 - (iii) For all other parameters, no 30 minute mean value shall exceed the emission limit value.
 - (iv) 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).
 - (v) 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.
- 4.3 The concentration and volume flow limits for emissions to atmosphere specified in this licence shall be achieved without the introduction of dilution air and shall be based on gas volumes under standard conditions of:
- 4.3.1 In the case of non-combustion gases:
Temperature 273K, Pressure 101.3 kPa (no correction for oxygen or water content).
- 4.3.2 In the case of the Durr thermal oxidiser (V46) exhaust gasses:
Temperature 273K, Pressure 101.3 kPa, dry gas, (no correction for oxygen content).
- 4.3.3 In the case of other combustion gases:
- Temperature 273K, Pressure 101.3 kPa, dry gas;
 - 3% oxygen for liquid and gas fuels (except waste organic solvent distillates) from the boilers;
 - 11% oxygen for waste organic solvent distillates from Boiler A;
 - 18 % oxygen from the Thermatrix thermal oxidiser.
- 4.4 Emission limit values for emissions to sewer/waters in this licence shall be interpreted in the following way:
- 4.4.1 Continuous Monitoring
- (i) No flow value shall exceed the specific limit.
 - (ii) No pH value shall deviate from the specified range.
 - (iii) No temperature value shall exceed the limit value.

4.4.2 Composite Sampling

- (i) No pH value shall deviate from the specified range.
- (ii) For parameters other than pH and flow, eight out of ten consecutive composite results, based on flow proportional composite sampling, shall not exceed the concentration emission limit value. No individual results similarly calculated shall exceed 1.2 times the emission limit value.

4.4.3 Discrete Sampling

For parameters other than pH and temperature, no grab sample value shall exceed 1.2 times the concentration emission limit value.

4.5 Where the ability to measure a parameter is affected by mixing before emission, then, with agreement from the Agency, the parameter may be assessed before mixing takes place.

4.6 Noise

Noise from the installation shall not give rise to sound pressure levels (Leq, T) measured at NSLs in the vicinity of the installation which exceed the limit value(s).

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

Condition 5. Emissions

5.1 No specified emission from the installation shall exceed the emission limit values set out in *Schedule B: Emission Limits*, of this licence. There shall be no other emissions of environmental significance.

5.2 No emissions, including odours, from the activities carried on at the site shall result in an impairment of, or an interference with amenities or the environment beyond the installation boundary or any other legitimate uses of the environment beyond the installation boundary.

5.3 Only vapours from processes not involving the use of chlorinated solvents shall be directed to the thermal oxidiser.

5.4 No substance shall be discharged in a manner, or at a concentration, that, following initial dilution, causes tainting of fish or shellfish.

5.5 The use of the emergency generator is limited to the period from 1st November to 28th February in each year, and to the hours 17.00 – 19.00, other than during testing, during emergencies or as otherwise agreed with the Agency.

5.6 Emissions to Sewer

The licensee shall at no time discharge or permit to be discharged into the sewer any liquid matter or thing that is or may be liable to set or congeal at average sewer temperature or is capable of giving off any inflammable or explosive gas or any acid, alkali or other substance in sufficient concentration to cause corrosion to sewer pipes, penstock and sewer fittings or the general integrity of the sewer.

Reason: *To provide for the protection of the environment by way of control and limitation of emissions and to provide for the requirements of the Water Services Authority in accordance with Section 99E of the EPA Acts 1992 to 2007*

Condition 6. Control and Monitoring

- 6.1 Test Programme
- 6.1.1 The licensee shall prepare to the satisfaction of the Agency, a test programme for the co-incineration of waste solvents in Boiler A (VI). This programme shall be submitted to the Agency in advance of implementation.
- 6.1.2 The programme, following agreement with the Agency, shall be completed in advance of the commencement of operation of the co-incineration plant.
- 6.1.3 The criteria for the operation of the abatement equipment as determined by the test programme, shall be incorporated into the standard operating procedures.
- 6.1.4 The test programme shall as a minimum:
- (i) establish all criteria for operation, control and management of the co-incineration of waste solvents to ensure compliance with the emission limit values specified in this licence; and
 - (ii) assess the performance of any monitors on the boiler control system and exhaust gas stream and establish a maintenance and calibration programme for each monitor.
 - (iii) Verify the residence time, the minimum temperature and the oxygen content of the exhaust gas that will be achieved during normal operation and under the most unfavourable operating conditions anticipated.
 - (iv) Confirm that all measurement equipment of devices for the purpose of establishing compliance with this licence have been subjected, in situ, to normal operating temperatures to prove their operation under such conditions.
- 6.1.5 A report on the test programme shall be submitted to the Agency within one month of completion.
- 6.1.6 Co-incineration of waste solvents shall not be permitted (outside of the agreed test programme) until such time as the Agency has indicated in writing that it is satisfied with the results of the test programme.
- 6.2 The licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as set out below and as in accordance with *Schedule C: Control & Monitoring*, of this licence.
- 6.2.1 Analyses shall be undertaken by competent staff in accordance with documented operating procedures.
- 6.2.2 Such procedures shall be assessed for their suitability for the test matrix and performance characteristics shall be determined.
- 6.2.3 Such procedures shall be subject to a programme of Analytical Quality Control using control standards with evaluation of test responses.
- 6.2.4 Where any analysis is sub-contracted it shall be to a competent laboratory.
- 6.3 The licensee shall ensure that:
- (i) sampling and analysis for all parameters listed in the Schedules to this licence; and
 - (ii) any reference measurements for the calibration of automated measurement systems;
- shall be carried out in accordance with CEN-standards. If CEN standards are not available, ISO, national or international standards that will ensure the provision of data of an equivalent scientific quality shall apply.

- 6.4 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. The use of alternative equipment, other than in emergency situations, shall be as agreed by the Agency.
- 6.5 Monitoring and analysis equipment shall be operated and maintained as necessary so that monitoring accurately reflects the emission/discharge (or ambient conditions where that is the monitoring objective).
- 6.6 The licensee shall ensure that groundwater monitoring well sampling equipment is available/installed on-site and is fit for purpose at all times. The sampling equipment shall be to Agency specifications.
- 6.7 All treatment/abatement and emission control equipment shall be calibrated and maintained in accordance with the instructions issued by the manufacturer/supplier or installer.
- 6.8 Subject to the requirements of Article 11 of the Council Directive 2000/76/EC, the frequency, methods and scope of monitoring, sampling and analyses, as set out in this licence, may be amended with the agreement of the Agency following evaluation of test results.
- 6.9 The licensee shall maintain a programme, to the satisfaction of the Agency, for the identification and reduction of fugitive emissions using an appropriate combination of best available techniques. This programme shall be included in the Environmental Management Programme.
- 6.10 The integrity and water tightness of all underground pipes, tanks, bunding structures and containers and their resistance to penetration by water or other materials carried or stored therein shall be tested and demonstrated by the licensee. This testing shall be carried out by the licensee at least once every three years and reported to the Agency on each occasion. This testing shall be carried out in accordance with any guidance published by the Agency. A written record of all integrity tests and any maintenance or remedial work arising from them shall be maintained by the licensee.
- 6.11 The drainage system (i.e., gullies, manholes, any visible drainage conduits and such other aspects as may be agreed) and bunds, silt traps and oil separators shall be inspected weekly and desludged as necessary. All sludge and drainage from these operations shall be collected for safe disposal. The drainage system, bunds, silt traps and oil interceptors shall be properly maintained at all times.
- 6.12 Storm Water
- 6.12.1 A log of visual inspections of storm water discharges, as specified in *Schedule C2.3: Monitoring of Storm Water Emissions* of this licence shall be maintained.
- 6.12.2 An alarm shall activate when the following TOC or pH warning levels are reached. The licensee shall automatically divert discharges to the fire water retention pond when the following TOC or pH action levels are reached:
- Warning level: 100 mg/l TOC
pH 6 or 8.5
- Action level: 150 mg/l TOC
pH \leq 5 and pH \geq 9.
- 6.13 Ground Water
- The licensee shall pump and treat groundwater from wells 403 and 404 to remove MTBE and toluene. This remediation shall cease only on consistent achievement of an appropriate environmental quality standard in the groundwater and with the written agreement of the Agency.

6.14 Noise

The licensee shall carry out a noise survey of the site operations annually. The survey programme shall be undertaken in accordance with the methodology specified in the 'Environmental Noise Survey Guidance Document' as published by the Agency.

6.15 Pollutant Release and Transfer Register (PRTR)

The licensee shall prepare and report a PRTR for the site. The substances and/or wastes to be included in the PRTR shall be as agreed by the Agency each year by reference to EC Regulations No. 166/2006 concerning the establishment of the European Pollutant Release and Transfer Register and amending Council Directives 91/689/EEC and 96/61/EC. The PRTR shall be prepared in accordance with any relevant guidelines issued by the Agency and shall be submitted electronically in the specified format and as part of the AER.

6.16 The licensee shall maintain a Data Management System for collation, archiving, assessing and graphically presenting the monitoring data generated as a result of this licence.

6.17 The licensee shall permit authorised persons of the Agency and Water Services Authority, to inspect, examine and test, at all reasonable times, any works and apparatus installed in connection with the process effluent and to take samples of the process effluent.

Reason: *To provide for the protection of the environment by way of treatment and monitoring of emissions and to provide for the requirements of the Water Services Authority in accordance with Section 99E of the EPA Acts 1992 to 2007.*

Condition 7. Resource Use and Energy Efficiency

7.1 The licensee shall carry out an audit of the energy efficiency of the site at intervals as required by the Agency. The audit shall be carried out in accordance with the guidance published by the Agency, "Guidance Note on Energy Efficiency Auditing".

7.2 The audit shall identify all practicable opportunities for energy use reduction and efficiency and the recommendations of the audit will be incorporated into the Schedule of Environmental Objectives and Targets under Condition 2 above.

7.3 The licensee shall identify opportunities for reduction in the quantity of water used on site including recycling and reuse initiatives, wherever possible. Reductions in water usage shall be incorporated into Schedule of Environmental Objectives and Targets.

7.4 The licensee shall undertake a review, at least once every three years, of the assessment of the efficiency of use of raw materials and waste solvents in all processes, having particular regard to the reduction in waste generated. The assessment should take account of best international practice for this type of activity. Where improvements are identified, these shall be incorporated into the Schedule of Environmental Objectives and Targets.

Reason: *To provide for the efficient use of resources and energy in all site operations.*

Condition 8. Materials Handling

8.1 Disposal or recovery of waste on-site shall only take place in accordance with the conditions of this licence and in accordance with the appropriate National and European legislation and protocols.

- 8.2 Waste Acceptance/Removal and Characterisation Procedures
- 8.2.1 Wastes shall be accepted at/removed from the installation only from/by an authorised or exempted carrier under National or European legislation or Protocols. Copies of the waste collection permits must be maintained at the installation. The quantity of waste to be accepted at the installation on a daily basis shall not exceed the appropriate storage capacity available for such waste.
- 8.2.2 Prior to commencement of waste acceptance at the installation, the licensee shall establish and maintain, and submit to the Agency for written approval, detailed written procedures for the acceptance and handling of wastes. These procedures shall include the following:
- (a) Waste inspection as appropriate, waste characterisation and waste profiling of wastes accepted onsite.
 - (b) Waste weighing, documentation and reception.
 - (c) The manner in which waste will be handled for disposal or recovery.
 - (d) Rejection criteria and procedures;
 - (e) Recording of each load of material on arrival at the installation in accordance with Condition 11.11 of this licence;
- 8.2.3 Waste shall only be accepted at the installation where:
- (i) the waste has been pre-notified to the licensee, and an acceptance date agreed,
 - (ii) the waste is as specified in *Schedule A: Limitations, Table A2.3 Waste categories and quantities imported for co-incineration* of this licence.
 - (iii) the waste has been characterised in terms of its nature, constituents and contaminants prior to its arrival at the installation, in accordance with Condition 8.2.4 of this licence
 - (iv) a representative sample of waste has been analysed prior to and /or upon the arrival of that waste at the installation.
- 8.2.4 Waste shall be accepted at the installation only from known customers or new customers subject to initial waste profiling and waste characterisation. 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.
- 8.2.5 Any waste received at the installation deemed unsuitable for co-incineration shall be immediately quarantined and removed from the installation within 48 hours or a longer time period as may be agreed by the Agency due to weekend and bank/public holiday closures. The material shall be returned to the location of supply. The rejection of shipments of waste shall be recorded and reported in the AER.
- 8.2.6 Wastes shall not be accepted from a supplier of rejected material until such time as the reasons for rejection have been investigated and corrective actions agreed in writing between the licensee and the supplier and implemented to the licensee's satisfaction. All such correspondence shall be provided to the Agency upon request.
- 8.3 Waste sent off-site for recovery or disposal shall be transported only by an authorised waste contractor. The waste shall be transported from the site of the activity to the site of recovery/disposal only in a manner that will not adversely affect the environment and in accordance with the appropriate National and European legislation and protocols.
- 8.4 The licensee shall ensure that, any waste generated/accepted on site, prior to transfer to another person or prior to acceptance at the installation, shall be classified, packaged and labelled as appropriate in accordance with National, European and any other standards which are in force in relation to such labelling.
- 8.5 The loading and unloading of materials shall be carried out in designated areas protected against spillage and leachate run-off.

- 8.6 Waste generated/accepted on-site shall be stored in designated areas, protected as may be appropriate against spillage and leachate run-off. The waste shall be clearly labelled and appropriately segregated.
- 8.7 No waste classified as green list waste in accordance with the EU Shipment of Waste Regulations (Council Regulation EEC No. 1013/2006, as may be amended) shall be consigned for recovery without the agreement of the Agency.
- 8.8 Waste for disposal/recovery off-site shall be analysed in accordance with *Schedule C: Control & Monitoring*, of this licence.
- 8.9 Unless approved in writing, in advance, by the Agency the licensee is prohibited from mixing a hazardous waste of one category with a hazardous waste of another category or with any other non-hazardous waste.
- 8.10 The licensee shall neither import waste into the State nor export waste out of the State except in accordance with the relevant provisions of Regulation (EC) No 1013/2006 of the European Parliament and of the Council of 14th June 2006 on shipments of waste and associated national regulations.
- 8.11 Co-incineration of Waste
- 8.11.1 Only those liquid wastes and vapours generated from the activity and specified in *Schedule A: Limitations, Table A2.2 Waste categories for co-incineration on-site* of this licence shall be co-incinerated on-site.
- 8.11.2 The licensee shall maintain a log on-site detailing the quantity, origin, and times of co-incineration of waste solvent.

Reason: *To provide for the appropriate handling of material and the protection of the environment.*

Condition 9. Accident Prevention and Emergency Response

- 9.1 The licensee shall ensure that a documented Accident Prevention Procedure is in place that addresses the hazards on-site, particularly in relation to the prevention of accidents with a possible impact on the environment. This procedure shall be reviewed annually and updated as necessary.
- 9.2 The licensee shall ensure that a documented Emergency Response Procedure is in place, that addresses any emergency situation which may originate on-site. This procedure shall include provision for minimising the effects of any emergency on the environment. This procedure shall be reviewed annually and updated as necessary.
- 9.3 Incidents
- 9.3.1 In the event of an incident the licensee shall immediately:
- (i) carry out an investigation to identify the nature, source and cause of the incident and any emission arising therefrom;
 - (ii) isolate the source of any such emission;
 - (iii) evaluate the environmental pollution, if any, caused by the incident;
 - (iv) identify and execute measures to minimise the emissions/malfunction and the effects thereof;
 - (v) identify the date, time and place of the incident;
 - (vi) notify the Agency and other relevant authorities.

- 9.3.2 The licensee shall provide a proposal to the Agency for its agreement within one month of the incident occurring or as otherwise agreed by the Agency, to:
- (i) identify and put in place measures to avoid recurrence of the incident; and
 - (ii) identify and put in place any other appropriate remedial actions.

Reason: *To provide for the protection of the environment.*

Condition 10. Decommissioning & Residuals Management/ Closure, Restoration and Aftercare Management

- 10.1 Following termination, or planned cessation for a period greater than six months, of use or involvement of all or part of the site in the licensed activity, the licensee shall, to the satisfaction of the Agency, decommission, render safe or remove for disposal/recovery any soil, subsoil, buildings, plant or equipment, or any waste, materials or substances or other matter contained therein or thereon, that may result in environmental pollution.
- 10.2 Decommissioning Management Plan (DMP)/ Closure, Restoration and Aftercare Management Plan (CRAMP)
- 10.2.1 The licensee shall maintain, to the satisfaction of the Agency, a fully detailed and costed plan for the decommissioning or closure of the site or part thereof.
- 10.2.2 The plan shall be reviewed annually and proposed amendments thereto notified to the Agency for agreement as part of the AER. No amendments may be implemented without the agreement of the Agency.
- 10.2.3 The licensee shall have regard to the Environmental Protection Agency Guidance on Environmental Liability Risk Assessment, Decommissioning Management Plans and Financial Provision when implementing Condition 10.2.1 above.
- 10.3 The Decommissioning Management Plan/CRAMP shall include, as a minimum, the following:
- (i) a scope statement for the plan;
 - (ii) the criteria that define the successful decommissioning of the activity or part thereof, which ensures minimum impact on the environment;
 - (iii) a programme to achieve the stated criteria;
 - (iv) where relevant, a test programme to demonstrate the successful implementation of the decommissioning plan; and
 - (v) details of the costings for the plan and the financial provisions to underwrite those costs.
- 10.4 A final validation report to include a certificate of completion for the Decommissioning Management Plan/CRAMP, for all or part of the site as necessary shall be submitted to the Agency within three months of execution of the plan. The licensee shall carry out such tests, investigations or submit certification, as requested by the Agency, to confirm that there is no continuing risk to the environment.

Reason: *To make provision for the proper closure of the activity ensuring protection of the environment.*

Condition 11. Notification, Records and Reports

- 11.1 The licensee shall notify the Agency, in writing, one month in advance of the intended date of commencement of the co-incineration of waste solvents in Boiler A.
- 11.2 The licence 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:
- (i) any release of environmental significance to atmosphere from any potential emissions point including bypasses;
 - (ii) any emission that does not comply with the requirements of this licence;
 - (iii) any malfunction or breakdown of key control equipment or monitoring equipment set out in *Schedule C: Control and Monitoring*, of this licence which is likely to lead to loss of control of the abatement system; and
 - (iv) any incident with the potential for environmental contamination of surface water or groundwater, or posing an environment 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, summary details of the occurrence, and where available, the steps taken to minimise any emissions.
- 11.3 In the event of any incident which relates to discharges to sewer having taken place, the licensee shall notify the Local and Water Services Authority as soon as practicable after such an incident.
- 11.4 In the case of any incident relating to discharges to water, the licensee shall notify the Local and Water Services Authority and Inland Fisheries Ireland as soon as practicable after such an incident.
- 11.5 The licensee shall make a record of any incident. This record shall include details of the nature, extent, and impact of, and circumstances giving rise to, the incident. The record shall include all corrective actions taken to manage the incident, minimise wastes generated and the effect on the environment, and avoid recurrence. The licensee shall, as soon as practicable following incident notification, submit to the Agency the incident record.
- 11.6 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 (if provided), 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.
- 11.7 The licensee shall record all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence and all other such monitoring which relates to the environmental performance of the installation.
- 11.8 The licensee shall as a minimum keep the following documents at the site:
- (i) the licences relating to the installation;
 - (ii) the current EMS for the installation;
 - (iii) the previous year's AER for the installation;
 - (iv) records of all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence and all other such monitoring which relates to the environmental performance of the installation;
 - (v) relevant correspondence with the Agency;
 - (vi) up-to-date site drawings/plans showing the location of key process and environmental infrastructure, including monitoring locations and emission points;
 - (vii) up-to-date Standard Operational Procedures for all processes, plant and equipment necessary to give effect to this licence or otherwise to ensure that standard operation of such processes, plant or equipment does not result in unauthorised emissions to the environment;

- (viii) any elements of the licence application or EIS documentation referenced in this licence.
- This documentation shall be available to the Agency for inspection at all reasonable times.
- 11.9 The licensee shall submit to the Agency, by the 31st March of each year, an AER covering the previous calendar year. This report, which shall be to the satisfaction of the Agency, shall include as a minimum the information specified in *Schedule D: Annual Environmental Report*, of this licence and shall be prepared in accordance with any relevant guidelines issued by the Agency.
- 11.10 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:
- (i) the tonnages and EWC Code for the waste materials accepted on-site and/or sent off-site for disposal/recovery;
 - (ii) the names of the agent and carrier of the waste, and their waste collection permit details, if required (to include issuing authority and vehicle registration number);
 - (iii) details of the ultimate disposal/recovery destination facility for the waste and its appropriateness to accept the consigned waste stream, to include its permit/licence details and issuing authority, if required;
 - (iv) written confirmation of the acceptance and disposal/recovery of any hazardous waste consignments sent off-site;
 - (v) details of all waste consigned abroad for Recovery and classified as 'Green' in accordance with the EU Shipment of Waste Regulations (Council Regulation EEC No. 1013/2006, as may be amended). The rationale for the classification must form part of the record;
 - (vi) details of any rejected consignments;
 - (vii) details of any approved waste mixing;
 - (viii) the results of any waste analyses required under *Schedule C: Control & Monitoring*, of this licence; and
 - (ix) the tonnage and EWC Code for the waste materials recovered/disposed on-site.
- 11.11 The licensee shall maintain a written record for each load of waste solvent arriving at the installation, whether accepted or rejected. The licensee shall record the following:
- (i) the date and time;
 - (ii) the name of the supplier of the material;
 - (iii) the name of the installation from which the load originated including the IPPC licence register number;
 - (iv) the name of the person checking the load; and
 - (v) where loads are removed or rejected, details of the date of occurrence, source of the waste, and reasons for rejection.
- 11.12 The licensee shall submit report(s) as required by the conditions of this licence to the Agency's Headquarters in Wexford, or to such other Agency office as may be specified by the Agency.
- 11.13 All reports shall be certified accurate and representative by the installation manager or a nominated, suitably qualified and experienced deputy.

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

Condition 12. Financial Charges and Provisions

12.1 Agency Charges

12.1.1 The licensee shall pay to the Agency an annual contribution of €39,789, or such sum as the Agency from time to time determines, having regard to variations in the extent of reporting, auditing, inspection, sampling and analysis or other functions carried out by the Agency, towards the cost of monitoring the activity as the Agency considers necessary for the performance of its functions under the Environmental Protection Agency Acts 1992 to 2007. The first payment shall be a pro-rata amount for the period from the date of grant of this licence to the 31st day of December, and shall be paid to the Agency within one month from the date of grant of the licence. In subsequent years the licensee shall pay to the Agency such revised annual contribution as the Agency shall from time to time consider necessary to enable performance by the Agency of its relevant functions under the Environmental Protection Agency Acts 1992 to 2007, and all such payments shall be made within one month of the date upon which demanded by the Agency.

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 defray its costs in regard to items not covered by the said annual contribution.

12.2 Water Services Authority Charges

The licensee shall pay to the Water Services Authority such sum as may be determined from time to time, having regard to the variations in the cost of providing drainage and the variation in effluent reception and treatment costs. Payment to be made on demand.

12.3 Environmental Liabilities

12.3.1 The licensee shall as part of the AER, provide an annual statement as to the measures taken or adopted at the site in relation to the prevention of environmental damage, and the financial provisions in place in relation to the underwriting of costs for remedial actions following anticipated events (including closure) or accidents/incidents, as may be associated with the carrying on of the activity.

12.3.2 The Environmental Liabilities Risk Assessment (ELRA), which addresses the liabilities from past and present activities, shall be reviewed as necessary to reflect any significant change on site, and in any case every three years following initial agreement: review results are to be notified as part of the AER.

12.3.3 As part of the measures identified in Condition 12.3.1, the licensee shall, to the satisfaction of the Agency, make financial provision to cover any liabilities identified in Condition 12.3.2. The amount of indemnity held shall be reviewed and revised as necessary, but at least annually. Proof of renewal or revision of such financial indemnity shall be included in the annual 'Statement of Measures' report identified in Condition 12.3.1.

12.3.4 The licensee shall have regard to the Environmental Protection Agency Guidance on Environmental Liability Risk Assessment, Decommissioning Management Plans and Financial Provision when implementing Conditions 12.3.2 and 12.3.3 above.

Reason: *To provide for adequate financing for monitoring and financial provisions for measures to protect the environment and to provide for the requirements of the Water Services Authority in accordance with Section 99E of the EPA Acts, 1992 to 2007.*

SCHEDULE A: Limitations

A.1 The following waste related processes are authorised:

- (i) Co-incineration of waste as specified in Table A.2 below.
- (ii) Waste Solvent storage.



A.2 Waste Acceptance

Table A2.1 Waste co-incineration capacity

Co-INCINERATOR	WASTE TYPE	MAXIMUM CAPACITY	NOMINAL CAPACITY
Boiler A (E.P. Ref.: V1)	Mixed organic solvent distillates.	1,250 kg/hour	10 MW maximum

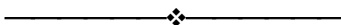


Table A2.2 Waste categories for co-incineration on-site

EWC Code	Waste Material Description	Calorific values kJ//kg
07 01 04	Other organic solvents, washing liquids and mother liquors ^{Note 1}	15,000 – 40,000
07 05 04*	Other organic solvents, washing liquids and mother liquors ^{Note 1}	15,000 – 40,000

Note 1: Only waste solvent streams approved under the test programme required under Condition 6.1 are permitted to be co-incinerated.

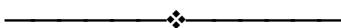
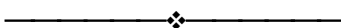


Table A2.3 Waste categories and quantities imported for co-incineration

EWC Code	Waste Material Description	Maximum (Tonnes per annum)
07 01 04	Other organic solvents, washing liquids and mother liquors	500
07 05 04*	Other organic solvents, washing liquids and mother liquors	4,500



SCHEDULE B: Emission Limits

B.1 Emissions to Air

Emission Point Reference No.:	V1 (when co-incinerating waste solvents)		
Location:	Utilities Building, Boiler A.		
Volume to be emitted:	Maximum in any one day:	240,000 m ³	
	Maximum rate per hour:	10,000 m ³	
Minimum combustion chamber temperature:	850°C		
Minimum discharge height:	18 m above ground		

Parameter	Units	Half Hour		Daily Average	10 minute average
		Average	Average		
Carbon monoxide (CO) ^{Note 1}	mg/m ³	100		50	150
		A	B		
Total dust	mg/m ³	30	10	10	-
Volatile organic compounds expressed as total organic carbon	mg/m ³	20	10	10	-
Sulphur dioxide (as SO ₂)	mg/m ³	200	-	-	-
Oxides of Nitrogen (NO and NO ₂ expressed as NO ₂)	mg/m ³	400	200	200	-

Parameter	Emission Limit Value	
	30minute – 8 hour sample	Total
Cadmium (as Cd) + thallium (as Tl), and their compounds ^{Note 2}	30minute – 8 hour sample	Total 0.05 mg/m ³
Mercury (as Hg) and its compounds ^{Note 2}	30minute – 8 hour sample	0.05 mg/m ³
Antimony (as Sb), arsenic (as As), lead (as Pb), chromium (as Cr), cobalt (as Co), copper (as Cu), manganese (as Mn), nickel (as Ni), and vanadium (as V) and their compounds ^{Note 2}	30minute – 8 hour sample	Total 0.2 mg/m ³
Dioxins/furans (TEQ) ^{Note 3}	6 – 8 hour sample	0.1 ng/m ³

Note 1: The emission limit values of carbon monoxide (CO) concentrations shall not be exceeded in the combustion gasses (excluding the start-up and shut-down phase).

Note 2: Metals include gaseous, vapour and solid phases as well as their compounds (expressed as the metal or total as specified).

Note 3: The emission limit value refers to the total concentration of dioxins and furans calculated using the concept of toxic equivalence in accordance with Annex I of Directive 2000/76/EC.

Emission Point Reference No.:	V28 (and V1 when operating on natural gas)	
Location:	Utilities building	
Volume to be emitted:	Maximum in any one day:	240,000 m ³
	Maximum rate per hour:	10,000 m ³
Minimum discharge height:	18m above ground	

Parameter	Emission Limit Value
Oxides of sulphur (as SO ₂)	200 mg/m ³
Nitrogen oxides (as NO ₂)	400 mg/m ³



Emission Point Reference No.:	V6	
Location:	Caustic/Water scrubber	
Volume to be emitted:	Maximum in any one day:	120,000m ³
	Maximum rate per hour:	5,000m ³
Minimum discharge height:	17.5 m above ground	

Parameter	Emission Limit Value ^{Note 1}	Mass Flow Threshold
TA Luft Organics Class I	20 mg/m ³	0.1kg/h
TA Luft Organics Class II	100 mg/m ³	2kg/h
TA Luft Organics Class III	150 mg/m ³	3kg/h
Hydrogen Chloride	10 mg/m ³	0.3kg/h
Chlorine	5mg/m ³	50 g/h

Note 1: Where organic substances of several classes are emitted simultaneously, in addition to the above individual limits, the sum of the concentrations of Classes I, II and III shall not exceed the Class III limits.



Emission Point Reference No.:	V 8	
Location:	Thermatrix thermal oxidiser	
Volume to be emitted:	Maximum in any one day:	840,000m ³
	Maximum rate per hour:	35,000m ³
Minimum discharge height:	27m above ground	

Parameter	Emission Limit Value ^{Note 1}	Mass Flow Threshold
TOC (as C)	50 mg/m ³	--
TA Luft Organics Class I	20 mg/m ³	0.1kg/h
TA Luft Organics Class II	100 mg/m ³	2kg/h
TA Luft Organics Class III	150 mg/m ³	3kg/h
Hydrogen Chloride	10 mg/m ³	0.3kg/h

Note 1: Where organic substances of several classes are emitted simultaneously, in addition to the above individual limits, the sum of the concentrations of Classes I, II and III shall not exceed the Class III limits.



Emission Point Reference No.:	V 46	
Location:	Durr thermal oxidiser	
Volume to be emitted:	Maximum in any one day:	840,000m ³
	Maximum rate per hour:	35,000m ³
Minimum discharge height:	27 m above ground	

Parameter	Emission Limit Value ^{Note 1}	Mass Flow Threshold
TOC (as C)	50 mg/m ³	--
TA Luft Organics Class I	20 mg/m ³	0.1kg/h
TA Luft Organics Class II	100 mg/m ³	2kg/h
TA Luft Organics Class III	150 mg/m ³	3kg/h
Hydrogen Chloride	10 mg/m ³	0.3kg/h

Note 1: Where organic substances of several classes are emitted simultaneously, in addition to the above individual limits, the sum of the concentrations of Classes I, II and III shall not exceed the Class III limits.



Emission Point Ref. No's and Location: V4 (Weighing rooms in warehouse)
 V5 (South Eastern Corner of main production building)
 V9 (New dryer building)
 V59 (New dryer building)

Parameter: Pharmaceutical dust as active ingredient

Location	Max. Daily Flow	Max. Hourly Flow	Discharge Height	Total Dust Emission Limit
	m ³	m ³	m	mg/m ³
V4	82,000	3,400	9	1 Note 1
V5	120,000	5,000	15	1 Note 1
V9	115,200	4,800	23	1 Note 1
V59	115,200	4,800	23	1 Note 1

Note 1: Active ingredients shall not exceed 0.15 mg/m³ at mass flows > 1g/hr.



B.2 Emissions to Water

There shall be no emissions to water of environmental significance.



B.3 Emissions to Sewer**Emission Point Reference No.:** PW1**Monitoring Location:** E174253 N072328

Volume to be emitted: Maximum in any one day: 800 m³
 Maximum rate per hour: 80 m³

Parameter	Emission Limit Value	
	mg/l	kg/day
Temperature	32°C (max.)	
pH	6.5 – 8.5	
Toxicity	10 TU	
Chlorides	0.7%	
BOD	500	300
COD	2,500	600
Suspended Solids	400	--
Total Nitrogen	100	--
Ammonia (as N)	20	--
Sulphates	1,000	--
Total Phosphorus (as P)	50	--
Detergents (MBAS and CTAS)	5	--
Total Heavy Metals	0.5	--
Total Organic Carbon (as C)	1	--
Fats, Oils and Grease	20	--

**B.4 Noise Emissions**

Daytime dB(A) L _{Aeq} (30 minutes)	Night-time dB(A) L _{Aeq} (30 minutes)
55 <small>Note 1</small>	45 <small>Note 1</small>

Note 1: There shall be no clearly audible tonal component or impulsive component in the noise emission from the installation at any noise-sensitive location.



SCHEDULE C: Control & Monitoring

C.1.1 Control of Emissions to Air

Emission Point Reference No.: V1 (only when co-incinerating waste solvents)

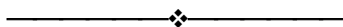
Description of Treatment: Co-incineration of waste solvents

Control Parameter	Monitoring (continuous unless otherwise stated in licence)	Key Equipment ^{Note 1}
Combustion	Combustion chamber temperature ^{Note 2}	Optical pyrometer
Combustion	% O ₂ in exhaust gas	O ₂ analyser
Combustion	Exhaust gas pressure	Pressure monitor
Combustion	Exhaust gas temperature	Thermocouple
Combustion	Water vapour content ^{Note 3}	Standard method
Combustion air	Combustion airflow	Flow meter/pressure sensor
Liquid waste input	Flowrate	Flow meter

Note 1: The licensee shall maintain appropriate access to standby and/or spares to ensure the operation of the abatement system.

Note 2: Near the inner wall of the combustion chamber (or other representative location agreed by the Agency).

Note 3: Not necessary if gasses are dried prior to analysis.



Emission Point Reference No.: V4

Description of Treatment: Polyurethane filter pad

Control Parameter	Monitoring	Key Equipment ^{Note 1}
Air flow	Pressure differential	Exhaust fan
Integrity of filter	Pressure differential	Filter

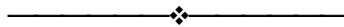
Note 1: The licensee shall maintain appropriate access to standby and/or spares to ensure the operation of the abatement system.



Emission Point Reference No.: V5
Description of Treatment: Mop scrubber

Control Parameter	Monitoring	Key Equipment ^{Note 1}
Air flow	Discharge flowrate	Exhaust fan
Liquid circulation	Visual inspection of flow indicator	Pump

Note 1: The licensee shall maintain appropriate access to standby and/or spares to ensure the operation of the abatement system.



Emission Point Reference No's.: V 6, V8, V46
Description of Treatment for V6: Caustic/Water scrubbing and Carbon Adsorption.
Description of Treatment for V8: Scrubbing, thermal oxidation for all non-chlorinated streams after the scrubbers.
Description of Treatment for V46: Scrubbing, thermal oxidation for all non-chlorinated streams after the scrubbers.

Control Parameter	Monitoring	Key Equipment ^{Note 1}
<u>Scrubbers</u>		
Air flow	Alarm for exhaust fan operation	Exhaust fans
pH	Weekly	pH probe and meter
Liquid circulation	Alarm for pump motor operation	Circulating pump
<u>Carbon Adsorption (when in operation)</u>		
VOC break through	VOC's Monthly	Carbon drums in series and parallel
<u>Thermal Oxidation V8,V46</u>		
Total flow	Continuous	Total flow controller Dilution air control valve Fume blower
Oxidiser temperature	Continuous	Oxidiser temperature controller
Fuel gas flow	Continuous	Fume inlet pressure controller Fume inlet control valve
Lower flammability limit	Continuous	Lower flammability limit monitor
HCl	Continuous	HCl monitor plus alarm
VOC	Continuous	VOC monitor

Note 1: The licensee shall maintain appropriate access to standby and/or spares to ensure the operation of the abatement system.



Emission Point Reference No's: V9, V59
Description of Treatment: HEPA filtration

Control Parameter	Monitoring	Key Equipment ^{Note 1}
HEPA filter integrity	Continuous pressure drop monitoring	Alarm
Dust removal	Differential pressure	Water manometer
Air flow	Air flow	Air flow monitor

Note 1: The licensee shall maintain appropriate access to standby and/or spares to ensure the operation of the abatement system.



C.1.2 Monitoring of Emissions to Air

Emission Point Reference No.: V1 (only when co-incinerating waste solvents)

Parameter	Monitoring Frequency	Analysis Method/Technique
TOC	Continuous	Flame ionisation detector
Total particulates	Continuous	Standard Method
Carbon monoxide	Continuous	Infra-red analyser
Nitrogen oxides (as NO ₂)	Continuous	Infra-red analyser
Hydrogen chloride (as HCl)	Biannually ^{Note 1}	CEN 1911
Hydrogen fluoride (as HF)	Biannually ^{Note 1}	CEN 1911
Sulphur dioxide (as SO ₂)	Biannually ^{Note 1}	Flue gas analyser
Dioxin and Furans	Biannually ^{Note 1}	US EPA Method 23
Heavy Metals ^{Note 2}	Biannually ^{Note 1}	CEN or other Standard Method

Note 1: Monitoring shall be conducted quarterly during the first twelve months of waste solvent co-incineration.

Note 2: Monitoring is to be conducted for metals with specified ELV's only.

Emission Point Reference No's.: V28 (and V1 when operating on natural gas)

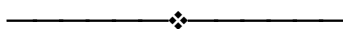
Parameter	Monitoring Frequency	Analysis Method/Technique
SO _x (as SO ₂) ^{Note 1}	Biannually	Flue gas analyser
NO _x (as NO ₂)	Biannually	Flue gas analyser
Combustion efficiency	Biannually	Flue gas analyser

Note 1: Monitoring to be conducted only for V28, when Light Fuel Oil or diesel is in use.



Emission Point Reference No.: V6

Parameter	Monitoring Frequency	Analysis Method/Technique
TA Luft Organics Class I	Monthly	GC
TA Luft Organics Class II	Monthly	GC
TA Luft Organics Class III	Monthly	GC
HCl	Continuous	Infra-red
Chlorine	Monthly	US EPA Method 26
Sulphur dioxide	Annually	Absorption/ Spectrophotometric
Ammonia	Annually	Absorption/ Spectrophotometric
Nitrogen Oxides (as NO ₂)	Annually	Flue gas analyser
Carbon monoxide	Annually	Flue gas analyser



Emission Point Reference No's.: V8, V46

Parameter	Monitoring Frequency	Analysis Method/Technique
TOC (as C)	Continuous (when in use)	Flame Ionisation Detection
TA Luft Organics Class I	Monthly	GC
TA Luft Organics Class II	Monthly	GC
TA Luft Organics Class III	Monthly	GC
Sulphur dioxide	Annually	Absorption/ Spectrophotometry
Ammonia	Annually	Absorption/ Spectrophotometry
Nitrogen Oxides (as NO ₂)	Annually	Flue gas analyser
Carbon monoxide	Annually	Flue gas analyser
Dioxins	Annually	US EPA Method 23



Emission Point Reference No's.: V9, V59

Parameter	Monitoring Frequency	Analysis Method/Technique
Dust	Annually	Gravimetric



Emission Point Reference No.: V340

Parameter	Monitoring Frequency	Analysis Method/Technique
NOx (as NO ₂)	Monthly ^{Note 1}	Flue gas analyser

Note 1: During the period between 1st November and 28th February of each year.



C.2.1 Control of Emissions to Water

There shall be no emissions to water of environmental significance.



C.2.2 Monitoring of Emissions to Water

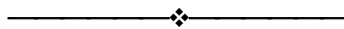
There shall be no emissions to water of environmental significance.



C.2.3 Monitoring of Storm Water Emissions

Emission Point Reference No.: SW2

Parameter	Monitoring Frequency	Analysis Method/Technique
pH	Continuous	pH electrode/meter
Temperature	Monthly	Temperature probe
TOC	Continuous	TOC meter and recorder
Visual Inspection	3 times weekly	Sample and examine for colour and odour



Emission Point Reference No.: SW3

Parameter	Monitoring Frequency	Analysis Method/Technique
pH	Weekly	pH electrode/meter
Visual Inspection	Weekly	Sample and examine for colour and odour



C.3.1 Control of Emissions to Sewer

Emission Point Reference No.:	PW1
Description of Treatment:	Biological Waste Water Treatment
Equipment:	Biological Waste Water Treatment Plant

Control Parameter	Monitoring	Key Equipment ^{Note 1}
Effluent forward feed	Flowmeter	Forward feed pumps
Forward feed pH	Continuous pH	Dosing pumps
Aeration solids	Suspended solids 3 times weekly	Sludge transfer pumps
Dissolved Oxygen	Continuous DO	Blowers and jet aeration pumps
Nutrient concentration	N & P, 3 times weekly	Dosing pumps

Note 1: The licensee shall maintain appropriate access to standby and/or spares to ensure the operation of the abatement system.

C.3.2 Monitoring of Emissions to Sewer

Emission Point Reference No.: PW1

Parameter	Monitoring Frequency	Analysis Method/Technique
Flow	Continuous	On-line flow meter with recorder
Temperature	Continuous	On-line temperature probe with recorder
pH	Continuous	pH electrode/meter and recorder
Chemical Oxygen Demand	Daily ^{Note 1}	Standard Method
Biochemical Oxygen Demand	Monthly ^{Note 1}	Standard Method
Suspended Solids	Weekly ^{Note 1}	Gravimetric
Sulphates (as N)	Monthly ^{Note 1}	Standard Method
Ammonia (as N)	Monthly ^{Note 1}	Ion selective electrode
Total Phosphorus (as P)	Monthly ^{Note 1}	Standard Method
Total Nitrogen	Monthly ^{Note 1}	Standard Method
Total Heavy Metals	Annually ^{Note 1}	Atomic Absorption/ICP
Detergents (MBAS and CTAS)	Annually ^{Note 1}	Standard Method
Total Organic Carbon (as C)	Quarterly ^{Note 1}	Standard Method
Organic Solvents ^{Note 2}	Biannually ^{Note 1}	Gas Chromatography
Oils, fats & greases	Monthly ^{Note 1}	Standard Method
Chlorides	Monthly ^{Note 1}	Standard Method
Toxicity ^{Note 3}	As may be required	To be agreed by the Agency

Note 1: All samples shall be collected on a 24 hour flow proportional composite sampling basis.

Note 2: Screening for priority pollutant list substances. (such as US EPA volatile and/or semi-volatile compounds). This analysis shall include those organic solvents in use in the process, which are likely through normal process operations to be diverted to the waste water streams.

Note 3: The number of toxic units (Tu) = 100/x hour EC/LC₅₀ in percentage vol/vol so that higher Tu values reflect greater levels of toxicity. For test regimes where species death is not easily detected, immobilisation is considered equivalent to death.

C.4 Waste Monitoring

Waste Class	Frequency	Parameter	Method
<u>For dispatch off-site</u>			
Waste solvents	Per consignment	Solvents	Process origin records/standard laboratory techniques
Distillation residues	Per disposal batch	Solvents	Process origin records/standard laboratory techniques
Rejected raw materials, intermediates and finished goods	Per disposal batch	As agreed with the Agency	Process origin records
Laboratory wastes	Per disposal batch	As agreed with the Agency	Process / analytical method records.
Waste sludge from the WWTP	As agreed with the Agency	Hazardous properties	As agreed with the Agency
Waste sludge from the WWTP disposed to Landfill	Quarterly	Heavy metals (individual)	Atomic absorption
		Water content	Drying
		Organic matter	Loss on ignition.
	Annually	Organic compounds Characterisation ^{Note 1}	Extraction, GC-MS
<u>For co-incineration</u>			
Waste solvent for co-incineration generated at the installation	Monthly	% water content Halogen content Sulphur content Metals content Calorific value	Standard Methods
Imported solvent wastes for co-incineration	Per shipment	% water content Halogen content Sulphur content Metals content Pharmaceutical actives Calorific value	Standard Methods
Other ^{Note 1}			

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

C.5 Noise Monitoring

No additional noise monitoring is required in this schedule.

C.6 Ambient Monitoring

Air Monitoring

Location: Head-space above the connection point with the sewer

Parameter	Monitoring Frequency	Analysis Method/Technique
Volatile Organic Compounds	Annually	To be agreed by the Water Services Authority



Groundwater Monitoring

Location: 200 series wells – 201, 202, 203, 205A, 206, 207
300 series wells – 301, 302, 303, 304, 305

Parameter	Monitoring Frequency	Analysis Method/Technique
pH	Biannually ^{Note 1}	pH electrode/meter
Temperature	Biannually ^{Note 1}	Thermometer
Dissolved Oxygen	Biannually ^{Note 1}	Standard Method
Conductivity	Biannually ^{Note 1}	Standard Method
Major Anions	Biannually ^{Note 1}	Standard Method
Major Cations	Biannually ^{Note 1}	Standard Method
Volatile/semi volatile organics	Biannually ^{Note 1}	US EPA Method 524.2- Measurement of purgeable organic compounds in water by capillary column gas chromatography/mass spectroscopy.

Note 1: Biennially for wells 206 and 303.

Location: 400 series wells –404, 405

Parameter	Monitoring Frequency	Analysis Method/Technique
Volatile/semi volatile organics ^{Note 1}	Biannually	Standard Method

Note 1: Methyltetrahydroethylether (MTBE) and toluene in particular are to be analysed.



SCHEDULE D: Annual Environmental Report

Annual Environmental Report Content ^{Note 1}
<p>Emissions from the installation.</p> <p>Waste management record.</p> <p>Resource consumption summary.</p> <p>Complaints summary.</p> <p>Schedule of Environmental Objectives and Targets.</p> <p>Environmental management programme – report for previous year.</p> <p>Environmental management programme – proposal for current year.</p> <p>Pollutant Release and Transfer Register – report for previous year.</p> <p>Pollutant Release and transfer Register – proposal for current year.</p> <p>Noise monitoring report summary.</p> <p>Ambient monitoring summary.</p> <p>Tank and pipeline testing and inspection report.</p> <p>Reported incidents summary.</p> <p>Energy efficiency audit report summary.</p> <p>Report on the assessment of the efficiency of use of raw materials in processes and the reduction in waste generated.</p> <p>Report on progress made and proposals being developed to minimise water demand and the volume of trade effluent discharges.</p> <p>Review of decommissioning management plan.</p> <p>Statement of measures in relation to prevention of environmental damage and remedial actions (Environmental Liabilities).</p> <p>Environmental Liabilities Risk Assessment Review (every three years or more frequently as dictated by relevant on-site change including financial provisions).</p> <p>Summary of rejected wastes received at the installation, including source of the waste, and reasons for rejection.</p> <p>Any other items specified by the Agency.</p>

Note 1: Content may be revised subject to the agreement of the Agency.

Sealed by the seal of the Agency on this the 7th day of January 2011.

**PRESENT when the seal of the Agency
Was affixed hereto:**

Dara Lynott, Director