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**WASTE LICENCE
Recommended Decision**

Licence Register Number:	50-2
Applicant:	AVR- Safeway Ltd.
Location of Facility:	Corrin, Fermoy, Co. Cork

INTRODUCTION

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

AVR Safeway Ltd. operates a hazardous waste transfer facility at Corrin, Fermoy, Co. Cork. The facility has been in operation since September 2000. The site is approximately 1.4ha and consists of an administration/laboratory area, a 600m² waste storage warehouse and thirteen bunds. Additional infrastructure proposed will consist of a waste blending facility comprising six bunded tanks (30m³-120m³), an extension to the warehouse and additional storage boxes. Ancillary facilities include fire fighting trucks, water retention tanks, waste storage boxes, and a weighbridge. The entire hazardous waste transfer area is bunded. Hours of waste acceptance will be from 0800 to 2200; facility operation will be 24 hours a day seven days a week.

Current activities relate to the collection, acceptance, and temporary storage, blending and bulking up of waste for export to recovery or disposal facilities. Various liquid waste streams are blended for co-incineration in power stations and/or cement kilns. The facility is licensed to accept 61,000tonnes per annum (tpa) of hazardous waste and 11,000 tpa of non-hazardous.

The licence sets out in detail the conditions under which AVR – Safeway Ltd. will operate and manage this facility.

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Glossary of Terms

All terms in this licence should be interpreted in accordance with the definitions in the Waste Management Acts 1996 to 2005, and the Environmental Protection Agency Acts 1992 and 2003, unless otherwise defined in this section.

Aerosol	A suspension of solid or liquid particles in a gaseous medium.
Adequate lighting	20 lux measured at ground level.
AER	Annual Environmental Report.
Agreement	Agreement in writing.
Annually	At approximately twelve monthly intervals.
Attachment	Any reference to Attachments in this licence refers to attachments submitted as part of this licence application.
Application	The application by the licensee for this licence.
Appropriate facility	A waste management facility, duly authorised under relevant law and technically suitable.
BAT	Best Available Techniques.
Bi-annually	All or part of a period of six consecutive months.
Biennially	Once every two years.
BOD	5 day Biochemical Oxygen Demand.
CEN	Comité Européen De Normalisation – European Committee for Standardisation
COD	Chemical Oxygen Demand.
Commercial Waste	As defined in Section 5(1) of the Waste Management Acts 1996 to 2005.
Construction and Demolition Waste	Wastes that arise from construction, renovation and demolition activities: Chapter 17 of the EWC or as otherwise may be agreed.
Containment boom	A boom, which 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).
DO	Dissolved Oxygen.
Documentation	Any report, record, result, 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</i> of this licence.
Environmental Damage	Has the meaning given it 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 purposes of the recovery or disposal of waste.
Fortnightly	A minimum of 24 times per year, at approximately two week intervals.
GC/MS	Gas Chromatography/Mass Spectroscopy
Green waste	Waste wood (excluding timber), plant matter such as grass cuttings, and other vegetation.
Hazardous Waste	As defined in Section 4(2) of the Waste Management Acts 1996 to 2005.
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.
HFO	Heavy Fuel Oil.
Hours of Operation	The hours during which the facility is authorised to be operational.
Hours of Waste Acceptance	The hours during which the facility is authorised to accept waste
ICP	Inductively Coupled Plasma Spectroscopy.
Incident	The following shall constitute an incident for the purposes of this licence: <ul style="list-style-type: none">a) an emergency;b) a fire inside the transfer buildingc) any emission which does not comply with the requirements of this licence;d) any exceedence of the daily duty capacity of the waste handling equipment;e) any trigger level specified in this licence which is attained or exceeded; and,f) 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 2005.

Installation	A stationary technical unit or plant where the activity concerned referred to in the First Schedule of EPA Acts 1992 and 2003 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	Kilo Pascals.
Landfill Directive	Council Directive 1999/31/EC.
Leq	Equivalent continuous sound level.
Licence	A Waste Licence issued in accordance with the Waste Management Acts 1996 to 2005.
Licensee	AVR Safeway Ltd.
Liquid Waste	Any waste in liquid form and containing less than 2% dry matter.
List I	As listed in the EC Directives 76/464/EEC and 80/68/EEC and amendments.
List II	As listed in the EC Directives 76/464/EEC and 80/68/EEC and amendments.
Local Authority	Cork County Council
Maintain	Keep in a fit state, including such regular inspection, servicing, calibration and repair as may be necessary to adequately perform its function.
Mass Flow Limit	An Emission Limit Value, which is expressed as the maximum mass of a substance which 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 approximately monthly intervals.
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 facility 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 systems for light liquids, (e.g. oil and petrol)-Part 2: Selection of nominal size, installation, operation and maintenance.
PER	Pollution Emission Register.
Quarterly	All or part of a period of three consecutive months beginning on the first day of January, April, July or October.
Regional Fisheries Board	Southern Regional Fisheries Board.
Sanitary	Cork County Council

Authority	
Sanitary Effluent	Waste water facility toilet, washroom and canteen facilities
Sample(s)	Unless the context of this licence indicates to the contrary, samples shall include measurements by electronic instruments.
SOP	Standard Operating Procedure.
Specified Emissions	Those emissions listed in <i>Schedule B: Emission Limits</i> of this licence.
Specified Engineering Works	Those engineering works listed in <i>Schedule D: Specified Engineering Works</i> of this licence.
Standard Method	A National, European or internationally recognised procedure (eg, I.S. EN, ISO, CEN, BS or equivalent), as 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.
Temporary storage	In relation to waste is a period of less than six months as defined in the Waste Management Acts 1996 to 2005.
TOC	Total Organic Carbon.
Trade Effluent	Trade Effluent has the meaning given in the water pollution Acts 1977 and 1990
Trigger Level	A parameter value, the achievement or exceedance of which requires certain actions to be taken by the licensee.
United Nations Publication	"Recommendations on the Transport of Hazardous Goods: Model Regulations", Fourteenth Revised Edition, United Nations, 2005
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 Decisions

Reasons for the Decision

The 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 40(4) of the Waste Management Acts 1996 to 2005.

In reaching this decision the Environmental Protection 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 Schedule of Activities Licensed

In pursuance of the powers conferred on it by the Waste Management Acts 1996 to 2005, the Environmental Protection Agency (the Agency) proposes, under Section 46(8) of the said Act to grant this Waste Licence to **AVR Safeway Ltd.** to carry on the waste activities listed below at **Corrin, Fermoy, Co. Cork** subject to conditions, with the reasons therefor and the associated schedules attached thereto set out in the licence.

Licensed Waste Disposal Activities, in accordance with the Third Schedule of the Waste Management Acts 1996 to 2005

Class 7.	Physico-chemical treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 5 or paragraphs 8 to 10 of this Schedule (including evaporation, drying and calcination).
Class 11.	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
Class 12.	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.
Class 13.	Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.

Licensed Waste Recovery Activities, in accordance with the Fourth Schedule of the Waste Management Acts 1996 to 2005

Class 1.	Solvent reclamation or regeneration.
Class 2.	Recycling or reclamation of organic substances, which are not used as solvents (including composting and other biological processes).
Class 3.	Recycling or reclamation of metals and metal compounds.
Class 4.	Recycling or reclamation of other inorganic materials.
Class 8.	Oil re-refining or other re-uses of oil.
Class 11.	Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.
Class 12.	Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.
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.

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 Waste activities at this facility 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 1.5 and 1.6 of this licence and subject to the conditions of this licence.
- 1.2 Activities at this facility shall be limited as set out in *Schedule A: Limitations*.
- 1.3 The facility shall be controlled, operated, and maintained and emissions shall take place as set out in this licence. All programmes required to be carried out under the terms of this licence, become part of this licence.
- 1.4 For the purposes of this licence, the facility authorised by this licence, is the area of land outlined in red on **Drawing No. 25041-001Rev.A** of the application. Any reference in this licence to facility shall mean the area thus outlined in red. The licensed activities shall be the carried on only within the area outlined.
- 1.5 **Research and development pilot projects into recovery options for waste streams may be conducted on site with the prior agreement of the Agency. The types and quantities of waste to be used during the research process must be agreed by the Agency. Each project shall not commence without the prior approval of the Agency.**
- 1.6 No alteration to, or reconstruction in respect of, the activity or any part thereof which would, or is likely to, result in
- (a) 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
- (b) 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.
- 1.7 **Waste Acceptance Hours**
- With the exception of emergencies or as may be agreed by the Agency, waste shall be accepted at or despatched from the facility only between the hours of **0800 to 2200 Monday to Sunday**.
- 1.8 This licence is for the purposes of waste licensing under the Waste Management Acts 1996 to 2005 only and nothing in this licence shall be construed as negating the licensee's statutory obligations or requirements under any other enactments or regulations.
- 1.9 This licence is being granted in substitution for the waste licence granted to the licensee on **27th September 2000** and bearing Waste Licence Register No: **50-1**. The previous waste licence (Register No: **50-1**) is superseded by 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 or as otherwise required by the Agency.

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. In addition, the facility manager and his/her deputy shall successfully complete FAS waste management training programme or equivalent agreed with the Agency.

2.2 Environmental Management System (EMS)

2.2.1 The licensee shall **maintain** its 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 established and maintained by the licensee. It shall include:

- (b) designation of responsibility for targets;
- (c) the means by which they may be achieved;
- (d) 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) (Condition 11).

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

2.2.2.6 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 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.

2.2.2.8 Maintenance Programme

The licensee shall **establish and 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 **establish and maintain a programme to ensure there is adequate control of processes under all modes of operation, identifying the key performance indicators and methods for measuring and controlling these parameters. Abnormal process operating conditions shall be documented and analysed to identify 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 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 Facility Notice Board

3.2.1 The licensee shall 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.

3.2.2 The board shall clearly show:-

- a) the name and telephone number of the facility;
- b) the normal 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.

3.2.3 A plan of the facility, clearly identifying the location of each storage and treatment area, shall be displayed as close as is possible to the entrance to the facility. The plan shall be displayed on a durable material such that it is legible at all times. The plan shall be replaced as material changes to the facility are made.

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 Sampling equipment shall be operated and maintained such that sufficient sample is collected to meet both internal monitoring requirements and those of the Agency. A separate composite sample or homogeneous sub-sample (of sufficient volume as advised) should 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.

3.6 Tank, Storage Boxes and Drum Storage Areas

3.6.1 All tank, storage boxes and drum storage areas shall be rendered impervious to the materials stored therein. Bunds should 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 which 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 The integrity and water tightness of all the bunding structures, tanks and storage boxes and their resistance to penetration by water or other materials stored therein shall be tested and demonstrated by the licensee at least once every three years. This testing shall be carried out in accordance with any guidance published by the Agency.

- 3.6.6 All tanks, storage boxes and drums shall be labelled to clearly indicate their contents.
- 3.6.7 Each bunded area shall be clearly labelled so that it is legible to persons outside the bunded area and shall clearly indicate the material class type that can be stored in that area and the maximum quantity of material that can be stored therein. The arrangements shall ensure that no mixing of incompatible substances, as a result of spillages or otherwise, shall take place.
- 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 facility. Once used the absorbent material shall be disposed of at an appropriate facility.
- 3.8 Silt Traps and Oil Separators
- Unless otherwise agreed with the Agency, the licensee shall maintain four Full Retention Class 1 oil interceptors on the surface water drainage system in accordance with Section L3 application information received by the Agency on the 30th April 1999. All interceptors shall be fitted with an emergency oil level warning device and the licensee shall maintain the level of oil below 70 mm.
- 3.9 Firewater Retention
- The licensee shall have regard to the Environmental Protection Agency Draft Guidance Note to Industry on the *Requirements for Fire-Water Retention Facilities* in the provision of firewater retention facilities on-site.
- 3.10 All pump sumps and storage tanks from which spillage of environmentally significant materials might occur in such quantities as are likely to breach local or remote containment or separator, shall be fitted with high liquid level alarms (or oil detectors as appropriate) **within three months** from the date of grant of this licence.
- 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 objectives and targets set out in Condition 2.2 of this licence for the reduction in fugitive emissions.
- 3.12 All **on site** wellheads, whose locations are shown on **Figure F.2, attachment F.** of the licence application shall be adequately protected to prevent contamination or physical damage within three months from the date of grant of this licence.
- 3.13 The licensee shall operate a weather monitoring station on the site at a location agreed by the Agency, which records conditions of wind speed and wind direction.
- 3.14 Specified Engineering Works
- 3.14.1 The licensee shall submit proposals for all Specified Engineering Works, as defined in *Schedule D: 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.
- 3.14.2 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.
- 3.14.3 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, as appropriate, include the following information: -
- (a) A description of the works;
 - (b) As-built drawings of the works;

(c) Any other information requested in writing by the Agency.

3.15 Facility Security

- 3.15.1 Security and stockproof fencing and gates shall be installed and maintained. The base of the fencing shall be set in the ground. Subject to the implementation of the restoration and aftercare plan and to the agreement of the Agency, the requirement for such site security may be removed.
- 3.15.2 The licensee shall install a CCTV system, **within six months of the date of grant of this licence**, which records all truck movement into and out of the facility. The CCTV system shall be operated at all times and copies of recording kept on site and made available to the Agency on request.
- 3.15.3 Gates shall be locked shut when the facility is unsupervised.
- 3.15.4 The licensee shall remedy any defect in the gates and/or fencing as follows:-
- (a) A temporary repair shall be made by the end of the working day; and
 - (b) A repair to the standard of the original gates and/or fencing shall be undertaken within three working days.
- 3.15.5 All key holders for the site shall be instructed on safety /emergency procedures relating to the handling and storage of hazardous wastes.**

3.16 Facility Roads and Site Surfaces

- 3.16.1 Effective site roads shall be provided and maintained to ensure the safe and nuisance free movement of vehicles within the facility.
- 3.16.2 The licensee shall maintain an impermeable concrete surface in all areas of the facility. The surfaces shall be concreted and constructed to British Standard 8110 or an alternative as agreed by the Agency.

3.17 Facility Office

- 3.17.1 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.
- 3.17.2 The licensee shall provide and maintain a working telephone and a method for electronic transfer of information at the facility.

3.18 Vehicle Inspection Area

- 3.18.1 A vehicle inspection area shall be provided and maintained at the facility. It shall be constructed and maintained in a manner suitable, and be of an appropriate size for the holding of waste transportation vehicles pending documentation clearance.**
- 3.18.2 All vehicles carrying loads entering or leaving the facility shall remain in this designated area pending full documentary clearance.**

3.19 Waste Inspection and Quarantine Areas

- 3.19.1 A Waste Inspection Area and a Waste Quarantine Area shall be provided and maintained at the facility.
- 3.19.2 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.

3.20 Infrastructure for the Containment of Wastewaters

3.20.1 The licensee shall provide and maintain dedicated tanks and/or containers for lorry wash water, internal washings of containers, internal washings of refrigerated vehicles, and drainage from the drum treatment operation. All tanks and/or containers shall be capable of maintaining 110% of the maximum volume of wastewaters likely to be generated at the facility in two weeks. All such tanks and/or containers with a capacity greater than 450 litres shall be fitted with a high level alarm.

3.20.2 The contents of these tanks shall be held in an appropriate bunded area on site, pending the results of the monitoring required in Schedule C, where applicable.

3.21 All foul sewer gullies, drainage grids and manhole covers shall be painted with red squares. All surface water discharge gullies, drainage grids and manhole covers shall be painted with blue triangles. These colour codes shall be maintained so as to be visible at all times.

3.22 Weighbridge

3.22.1 The licensee shall maintain a weighbridge at the facility.

3.23 Waste handling, ventilation and processing plant

3.23.1 Items of plant deemed critical to the efficient and adequate processing of waste at the facility (including inter alia waste loading vehicles, ejector trailers, **waste quarantine capacity and designated storage capacity**) shall be provided on the following basis: -

- a) 100% duty capacity;
- b) 20% standby capacity available on a routine basis; and
- c) Provision of contingency arrangements and/or back up and spares in the case of breakdown of critical equipment.

3.23.2 **Prior to any increase in waste quantities handled at the facility from 33,150 tonnes per annum** the licensee shall provide a report for the agreement of the Agency detailing the duty and standby capacity in tonnes per day, of all waste handling, and processing equipment to be used, **and storage capacity available** at the facility. These capacities shall be based on the licensed waste intake, as per *Schedule A: Limitations*, of this licence.

3.23.3 The quantity of waste to be accepted at the facility on a daily basis shall not exceed the duty capacity of the equipment at the facility. Any exceedance of this intake shall be treated as an incident.

3.24 The licensee shall ensure that waste activities or construction activities on-site shall not interfere with or in any way damage the Holy Well (SMR No. CO 035-051).

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

Condition 4. Interpretation

- 4.1 Emission limit values for emissions to atmosphere in this licence shall be interpreted in the following way:
- 4.1.1 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.
- 4.1.2 For Non-Continuous Monitoring
- (i) For any parameter where, due to sampling/analytical limitations, a 30 minute sample is inappropriate, a suitable sampling period should be employed and the value obtained therein shall not exceed the emission limit value.
 - (ii) For flow, no hourly or daily mean value, calculated on the basis of appropriate spot readings, shall exceed the relevant limit value.
 - (iii) 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.
- 4.2 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 :-
- 4.2.1 In the case of non-combustion gases:
Temperature 273K, Pressure 101.3 kPa (no correction for oxygen or water content).
- 4.2.2 In the case of combustion gases:
Temperature 273K, Pressure 101.3 kPa, dry gas; 3% oxygen for liquid and gas fuels; 6% oxygen for solid fuels.
- Emission limit values for emissions to sewer in this licence shall be interpreted in the following way:-
- 4.3 Continuous monitoring:
- (i) No flow value shall exceed the specified limit.
 - (ii) No pH value shall deviate from the specified range.
 - (iii) No temperature value shall exceed the limit value.
- 4.4 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 emission limit value. No individual result similarly calculated shall exceed 1.2 times the emission limit value.

4.5 Discrete Sampling

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

- 4.6 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.

4.7 Noise

Noise from the facility shall not give rise to sound pressure levels (Leq,T) measured at **noise sensitive locations** of the facility 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 facility 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 The licensee shall ensure that the activities shall be carried out in a manner such that emissions including odours do not result in significant impairment of, and/or significant interference with amenities or the environment beyond the facility boundary.
- 5.3 No substance shall be discharged in a manner, or at a concentration, which, following initial dilution causes tainting of fish or shellfish.
- 5.4 Nuisance Control
- 5.4.1 The licensee shall ensure that vermin, birds, flies, mud, dust, odour, litter 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.
- 5.4.2 **The licensee shall, at a minimum of one-week intervals, inspect the facility and its immediate surrounds for nuisances caused by vermin and odours.**
- 5.4.3 **The licensee shall ensure that all vehicles delivering waste to or removing waste from the facility are fully enclosed and clean and shall not give rise to offensive odours or other nuisance.**
- 5.5 Emissions to Surface Water
- 5.5.1 Unless otherwise agreed by the Agency, no trade effluent, and/or contaminated storm water shall be discharged to surface water drains and surface watercourses.
- 5.6 There shall be no direct emissions to groundwater.
- 5.7 **Process effluent shall be tankered to a prior agreed wastewater treatment plant or authorised waste facility.**

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

Condition 6. Control and Monitoring

- 6.1 The licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as set out below and as in accordance with *Schedule C* of this licence:
- 6.1.1 Analysis shall be undertaken by competent staff in accordance with documented operating procedures.
- 6.1.2 Such procedures shall be assessed for their suitability for the test matrix and performance characteristics determined.
- 6.1.3 Such procedures shall be subject to a programme of Analytical Quality Control using control standards with evaluation of test responses.
- 6.1.4 Where analysis is sub-contracted it shall be to a competent laboratory.
- 6.2 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. Agreement for the use of alternative equipment, other than in emergency situations, shall be obtained from the Agency.
- 6.3 Monitoring and analysis equipment shall be operated and maintained as necessary so that monitoring accurately reflects the emission or discharge.
- 6.4 All treatment/abatement and emission control equipment shall be calibrated and maintained, in accordance with the instructions issued by the manufacturer/supplier or installer.
- 6.5 The frequency, methods and scope of monitoring, **reporting**, sampling and analyses, as set out in this licence, may be amended with the agreement of the Agency following evaluation of test results.
- 6.6 The licensee shall prepare a programme, to the satisfaction of the Agency, for the identification and reduction of fugitive emissions. This programme shall be included in the Environmental Management Programme.
- 6.7 **The licensee shall conduct daily fugitive emissions assessment as agreed by the Agency. The licensee shall submit a report to the Agency within three months of the date of grant of this licence indicating normal daily fugitive emissions background levels detected. Any variations from normal levels detected shall be treated as an incident.**
- 6.8 The integrity and water tightness of all underground pipes and tanks 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 thereafter and reported to the Agency on each occasion. The licensee shall maintain a written record of all integrity tests and any maintenance or remedial work arising from them.
- 6.9 **All bunds and hardstanding areas shall be visually checked weekly for structural soundness and cracking/damage. Any defect shall be recorded and repaired. A record shall be kept of each check.**
- 6.10 Storm water

- 6.10.1 A visual and odour examination of the storm water discharge shall be carried out daily. A log of such inspections shall be maintained.
- 6.10.2 The trigger levels for storm water discharges from the facility measured at the monitoring point in Tank B are: -
- a) Conductivity 800 μ S/cm
 - b) TOC 100mg/l
 - c) pH 6.0 – 9.0 pH Units
 - d) Other parameters as required by Agency.
- 6.10.3 In the event that contaminated storm water is detected (as determined under Condition 6.10.2) an automatic shut-off valve shall activate and prevent discharge. Flow shall be diverted to a retention tank pending investigation and the contaminated water shall be treated in accordance with its constituents, which shall be characterised manually.
- 6.11 The licensee shall maintain groundwater monitoring wells at locations indicated in Schedule C: Control and Monitoring of this licence. In the event that monitoring of any on-site well indicates the facility is having an adverse effect on the quantity and/or quality of the groundwater the local off-site wells shall be immediately sampled (as per Schedule C).
- 6.12 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.
- 6.13 Noise
- 6.13.1 The licensee shall carry out a noise survey of the site operations during night time hours within one month of the date of start of night time operations and an annual noise survey thereafter. The survey programme shall be undertaken in accordance with the methodology specified in the 'Environmental Noise Survey Guidance Document' as published by the Agency.
- 6.14 Pollution Emission Register (PER)
- The licensee shall prepare and maintain a PER for the site. The substances to be included in the PER shall be agreed by the Agency each year by reference to the list specified in the Agency's AER Guidance Note. The PER shall be prepared in accordance with any relevant guidelines issued by the Agency and shall be submitted as part of the AER.
- 6.15 Test Programme
- 6.15.1 The licensee shall prepare, to the satisfaction of the Agency, a test programme for abatement equipment installed to **Bund M**. This programme shall be submitted to the Agency, prior to implementation.
- 6.15.2 This programme, following agreement with the Agency, shall be completed within three months of the commencement of operation of the abatement equipment.
- 6.15.3 The criteria for the operation of the abatement equipment as determined by the test programme, shall be incorporated into the standard operating procedures as approved by the Agency in Schedule B.
- 6.16 The test programme shall include as a minimum, the following:
- 6.16.1 Establish all criteria for operation, control and management of the abatement equipment to ensure compliance with the emission limit values specified in this licence.

- 6.16.2 Assess the performance of any monitors on the abatement system and establish a maintenance and calibration programme for each monitor.
- 6.16.3 A report on the test programme shall be submitted to the Agency within one month of completion.
- 6.17 The licensee shall, within six months of the date of grant of this licence, develop and establish a Data Management System for collation, archiving, assessing and graphically presenting the environmental monitoring data generated as a result of this licence.
- 6.18 **Sampling and analysis as well as reference measurement methods to calibrate automated measurement systems shall be carried out in accordance with CEN-standards. If CEN standards are not available, ISO, national or international standards, which will ensure the provision of data of an equivalent scientific quality, shall apply.**

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

Condition 7. Resource Use and Energy Efficiency

- 7.1 The licensee shall carry out an audit of the energy efficiency of the site within one year of the date of grant of this licence. The audit shall be carried out in accordance with the guidance published by the Agency; "Guidance Note on Energy Efficiency Auditing". The energy efficiency audit shall be repeated at intervals as required by the Agency.
- 7.2 The audit shall identify all 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 an assessment of the efficiency of use of raw materials 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 sent off-site for recovery or disposal shall be transported only by an authorised waste contractor. The waste shall be transported only from the site of the activity to

the site of recovery/disposal in a manner which will not adversely affect the environment and in accordance with the appropriate National and European legislation and protocols.

- 8.3 The licensee shall ensure that waste prior to transfer to another person shall be classified packaged and labelled in accordance with National, European and any other standards which are in force in relation to such labelling.
- 8.4 Waste shall be stored in designated areas, protected as may be appropriate, against spillage and leachate run-off. The waste is to be clearly labelled and appropriately segregated.
- 8.5 **All waste containers shall be marked with a unique identification code using indelible or other permanent or electronic markings to clearly indicate their origin, contents and date of arrival at the facility. All previous or irrelevant markings and labels shall be crossed out but shall remain legible.**
- 8.6 **Each waste container shall be tracked such that its location, whether on the site, or in transit to the final recover/disposal destination facility, may be determined at all times.**
- 8.7 No waste classified as green list waste in accordance with the EU Transfrontier Shipment of Waste Regulations (Council Regulation EEC No.259/1993, as 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* of this licence.
- 8.9 **Waste accepted at the facility shall be classified as per the United Nations publication, or as otherwise instructed by the Agency, prior to its acceptance at the facility.**
- 8.10 Waste Acceptance and Characterisation Procedures
- 8.10.1 Waste shall only be accepted at the facility, from Local Authority waste collection or transport vehicles or holders of waste permits, unless exempted or excluded, issued under the Waste Management Acts 1996 to 2005. Copies of these waste collection permits must be maintained at the facility.
- 8.10.2 Waste acceptance procedures shall be carried out in accordance with the **procedure outlined in Attachment H of the application unless otherwise agreed by the Agency.**
- 8.10.3 **Waste shall only be accepted at the facility where**
- (a) **the waste has been pre-notified to the licensee, an acceptance date determined and the waste producer has been issued with appropriate labelling.**
 - (b) **the waste has been characterised in terms of its nature, constituents and contaminants prior to its arrival at the facility.**
 - (c) **a representative sample, where appropriate, of waste has been received and analysed prior to the arrival of that waste at the facility.**
 - (d) **a suitable storage area is available at the facility.**
- 8.10.4 **Within three months of the date of grant of this licence, the licensee shall update as necessary and maintain detailed written procedures for the acceptance and handling of all wastes types to include new waste types and processes. All waste handling and acceptance procedures shall be agreed by the Agency.**
- 8.10.5 Waste arriving at the facility shall be inspected at the **Vehicle Inspection Area** where it shall remain pending full documentary clearance, once cleared, waste vehicles shall be directed to **the Waste Inspection Area.**

- 8.10.6** The licensee shall inspect and, if necessary, analyse each waste consignment arriving at the facility to determine whether it matches the identity of the waste specified on the accompanying documentation and, where relevant, the results of analysis referred to in condition 8.10.3 (c) above. As a minimum, the analysis must be repeated:
- (a) when the on-site inspection indicates that the hazardous waste received at the facility is not as designated on the accompanying documentation or shipping paper, and
 - (b) when the licensee is notified or has reason to believe that the process(es) or operation(s) generating the hazardous waste has changed.
- 8.10.7** All waste arriving at the facility shall be assigned to a waste-processing stream (P1-P4), as per Attachment H of the application, and processed in accordance with procedures agreed by the Agency.
- 8.10.8** Any waste deemed unsuitable for processing at the facility and/or in contravention of this licence shall be immediately separated and removed from the facility at the earliest possible time. Temporary storage of such wastes shall be in a designated Waste Quarantine Area. Waste shall be stored under appropriate conditions in the quarantine area to avoid putrefaction, odour generation, the attraction of vermin and any other nuisance or objectionable condition.
- 8.10.9** Waste shall be accepted at the facility only 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.
- 8.11** **Mixing and Blending of Wastes**
- 8.11.1** Mixing and blending of waste shall only occur following completion of compatibility and confirmatory tests agreed by the Agency and outlined in Attachment D of the application. These procedures shall ensure:
- (a) that the compatibility of any waste to be bulked, blended or otherwise mixed is established prior to such mixing taking place.
 - (b) as far as possible, the identification of any chemical reaction hazards and potentially abnormal, or unusual situations and put in place procedures for dealing with these matters.
- 8.11.2** All containers used for the mixing and blending of waste shall be appropriately cleaned following their use.
- 8.12** **Waste Repacking / Reprocessing**
- 8.12.1** All containers accepted at the facility shall be checked for their integrity. Any leaking or otherwise ruptured containers shall immediately be overdrummed or the contents transferred to a sound container in a manner that will not adversely affect the environment. This activity shall only be carried out in bunded areas such that any spillage arising from the activity may be contained and collected.
- 8.12.2** Small containers of hazardous wastes shall be repackaged into UN approved containers for onward transport and waste industrial clothing shall be processed as agreed by the Agency prior to dispatch.
- 8.13** All redrumming or other exposure of drum contents to the atmosphere shall take place indoors. Appropriate control measures shall be put in place to minimise fugitive emissions, which may arise from such activity.

- 8.14 Prior to crushing or appropriate re-use all drums emptied at the facility shall be decontaminated or otherwise appropriately cleaned out. Drainage from this operation shall be to a compatible designated tank or container.
- 8.15 Materials used for the washing of all containers and pipelines shall be compatible with the waste streams that they come in contact with.
- 8.16 **Asbestos Waste**
- 8.16.1 Transport, handling and storage of asbestos waste at the facility shall be in accordance with all existing guidelines issued by the Health and Safety Authority (HSA) and/or the Agency.
- 8.16.2 The licensee shall ensure that during transport, handling and storage of waste containing asbestos fibres or dust that no such fibres or dust is emitted or released to any environmental medium.
- 8.16.3 Before acceptance of asbestos waste at the facility at least 30 days notice must be received from the customer.
- 8.16.4 Asbestos waste shall only be accepted at the facility in containers, owned and controlled by the licensee, that have previously been delivered to the customer.
- 8.16.5 Before acceptance of asbestos waste in the containers referred to above, all fibrous asbestos waste and dust shall have been enclosed in sealed containers as approved in advance by the HSA. "Hard" waste shall have been wrapped in heavy-duty plastic and sealed, in a manner approved in advance with the HSA.
- 8.16.6 No unwrapped asbestos waste shall be accepted or stored at the facility. Care shall be taken in handling the waste that no damage is caused to any plastic bags or wrapping which may permit the escape of fibres and dust. Any damage shall be recorded as an incident. In addition no unwrapping of asbestos waste shall be carried out.
- 8.16.7 Asbestos waste shall be placed in lockable steel containers immediately on arrival at the facility, or into dedicated buildings/structures for temporary storage. Containers and any dedicated buildings shall remain locked at all times when asbestos waste is not being placed in them. No asbestos waste shall be deposited or allowed to accumulate outside the containers or buildings being used for waste storage. Containers used to store asbestos waste shall not be used for any other purpose.
- 8.16.8 All containers used to store or transport asbestos waste before onward transport shall be of a design suitable for washing and cleansing without lodgement of debris or fibres and secure from escape of fibres or dust. The design should also ensure maximum protection from accidental or deliberate damage.
- 8.16.9 All full containers shall be sealed with high tensile seal and clearly labelled and shall only be stored in Bund L.
- 8.17 **Waste Retention Times**
- 8.17.1 No waste in drums, tanks or containers shall have a retention time in the waste transfer station in excess of six months.
- 8.17.2 Full containers of Asbestos waste shall be removed as soon as operationally possible and, in any case, at no longer than three monthly intervals.
- 8.18 The loading and unloading of materials shall be carried out in designated areas protected against spillage and leachate run-off.

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

Condition 9. Accident Prevention and Emergency Response

- 9.1 The licensee shall, within six months of date of grant of this licence, ensure that a documented Accident Prevention Policy is in place, which will address the hazards on-site, particularly in relation to the prevention of accidents with a possible impact on the environment and precautions necessary to prevent accidental ignition or reaction of ignitable or reactive waste. This procedure shall be reviewed annually and updated as necessary.
- 9.2 The licensee shall review documented Emergency Response Procedure, which shall address any emergency situation, which may originate on-site taking into account, planned developments at the facility. 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 including, whenever
- (i) The procedure fails in an emergency;
 - (ii) The facility changes in its design, construction, operation, maintenance or other circumstances
 - (iii) The list of emergency co-ordinators changes
 - (iv) The list of emergency equipment changes.
- 9.2.1 The licensee shall nominate an emergency co-ordinator who must have the authority to commit the resources needed to carry out the ERP.
- 9.3 Prior to acceptance of waste at the new waste blending facility, an independent third party shall carry out a validation inspection of the waste blending facility, as agreed in advance with the Agency. The validation exercise shall have particular regard to technologies and protocol in place to manage/mitigate the impact of any accidents, emergencies or other incidences, which might occur at the facility and their effect on the environment, on the neighbours of the facility and on adjoining land-uses. The report of this validation including recommendations and a program for implementation of any recommended corrective measures shall be submitted to the Agency for agreement. The agreed recommendations shall be implemented within the agreed timescale.
- 9.4 The licensee shall provide and maintain, to include regular testing, a system for the detection of fire inside the Transfer Building, including the Loading Bay.
- 9.5 In the event of an incident the licensee shall immediately:-
- (i) isolate the source of any such emission;
 - (ii) carry out an immediate investigation to identify the nature, source and cause of the incident and any emission arising therefrom;
 - (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) provide a proposal to the Agency for its agreement within one month of the incident occurring or as otherwise agreed with the Agency to:-

- identify and put in place measures to avoid reoccurrence of the incident; and
 - identify and put in place any other appropriate remedial action.
- (vii) notify any other appropriate Agency or Authority.
- 9.6 In the event that monitoring of any on-site well indicates that the facility is having an adverse effect on the quantity and/or quality of the groundwater this shall be treated as an incident. If sampling indicates the facility is having a significant adverse effect on the quantity and/or quality of the groundwater off-site the licensee shall provide an alternative supply of water to those affected.
- 9.7 Emergencies
- 9.7.1 In the event of a breakdown of equipment or any other occurrence, which results in the closure of the transfer station building, any waste arriving at or already collected at the facility shall be transferred directly to appropriate landfill sites or 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.
- 9.7.2 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

Reason: To provide for the protection of the environment.

Condition 10. Closure, Restoration and Aftercare

- 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, subsoils, 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 Residuals Management Plan:
- 10.2.1 The licensee shall **revise**, to the satisfaction of the Agency, its detailed and costed plan for the decommissioning or closure of the site or part thereof. This plan shall be submitted to the Agency for agreement within six months of the date of grant of this licence.
- 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.
- 10.3 The Residuals Management Plan shall include as a minimum, the following:-
- 10.3.1 A scope statement for the plan.
- 10.3.2 The criteria, which define the successful decommissioning of the activity or part thereof, which ensures minimum impact on the environment.
- 10.3.3 A programme to achieve the stated criteria.
- 10.3.4 Where relevant, a test programme to demonstrate the successful implementation of the decommissioning plan.

- 10.3.5 Details of 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 residuals management plan, 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. Notifications, Records and Reports

- 11.1 The licensee shall notify the Agency by both telephone and either facsimile or electronic mail, 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 emission point including bypasses.
 - ii) Any emission which 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 & Monitoring* which is likely to lead to loss of control of the abatement system.
 - iv) Any incident with the potential for environmental contamination of surface water or groundwater, or posing an environmental threat to air or land, or requiring an emergency response by the Local Authority.
- The licensee shall include as part of the notification, date and time of the incident, summary details of the occurrence, and where available, the steps taken to minimise any emissions.
- 11.2 In the case of any incident which relates to discharges to water, the licensee shall notify the Local Authority and the **Southern** Regional Fisheries Board as soon as practicable after such an incident.
- 11.3 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.
- 11.4 The licensee shall record all complaints of an environmental nature related to the operation of the activity. Each such record shall give details of the date and time of the complaint, the name of the complainant and give details of the nature of the complaint. A record shall also be kept of the response made in the case of each complaint.
- 11.5 The licensee shall record all sampling, analyses, measurements, examinations, calibrations, **inspections, testing** 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 facility.

- 11.6 The licensee shall as a minimum keep the following documents at the site:-
- (i) the licences relating to the facility;
 - (ii) the current EMS for the facility;
 - (iii) the previous year's AER for the facility;
 - (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 facility;
 - (v) relevant correspondence with the Agency;
 - (vi) an up to date site drawings/plans showing the location of key process and environmental infrastructure, including monitoring locations and emission points

and this documentation shall be available to the Agency for inspection at all reasonable times.

- 11.7 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* and shall be prepared in accordance with any relevant guidelines issued by the Agency.

- 11.8 **The frequency of reporting may be amended with the agreement of the Agency following evaluation of test results.**

- 11.9 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 be maintained on a monthly basis and shall as a minimum contain details of the following:

- i) **The tonnages and EWC Code for the waste materials (and raw material as appropriate) imported and/or sent off-site for disposal/recovery.**
- ii) **The method of dealing with the waste (including inter alia waste processing stream assignment), sampling and testing results where applicable, and client's declaration of constituents of waste material.**
- iii) 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).
- iv) 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.
- v) Written confirmation of the acceptance and disposal/recovery of any hazardous waste consignments sent off-site.
- vi) Details of all wastes consigned abroad for Recovery and classified as 'Green' in accordance with the EU Transfrontier Shipment of Waste Regulations (Council Regulation EEC No. 259/1993, as amended). The rationale for the classification must form part of the record.
- vii) Details of any rejected consignments.
- viii) **Details of any approved waste mixing and details of any testing and analysis of mixed and/or blended waste prior to removal off-site for disposal/recovery.**
- ix) The results of any waste analyses required under *Schedule C*.
- x) The tonnages and EWC Code for the waste materials recovered on-site.

11.10 A record shall be kept of each consignment of wastewater (**including inter alia internal tanker washings, scrubber wastewater**), and/or contaminated storm water removed from the facility. The record shall include the following: -

- a) the name of the carrier;
- b) the date and time of removal of wastewater, and/or contaminated storm water from the facility;
- c) the volume of wastewater, and/or contaminated storm water, in cubic metres, removed from the facility on each occasion;
- d) the name and address of the Waste Water Treatment Plant to which the trade effluent, and/or contaminated storm water was transported; and
- e) any incidents or spillages of wastewater, and/or contaminated storm water during its removal or transportation.

11.11 Mixing and Blending of Waste Reports

- i) **Maintenance of records of all chemical reaction hazard evaluation reports shall be held at the facility for at least three years..**
- ii) **Records shall be maintained of all of mixing and blending and compatibility tests carried out for at least three years.**

11.12 Waste Recovery Reports

The licensee shall as part of the EMP submit a report on the contribution by this facility to the achievement of the recovery targets stated in national and European Union waste policies and shall include the following:-

- (a) proposals for the contribution of the facility to the achievement of targets for the reduction of biodegradable waste to landfill as specified in the Landfill Directive;
- (b) the separation of recyclable materials from the waste;
- (c) the recovery of Construction and Demolition Waste;
- (d) the recovery of metal waste and WEEE.

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 **€20,788**, 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 Waste Management Acts 1996 to 2005. The first payment shall be a pro-rata amount for the period from the date of this licence to the 31st day of December, and shall be paid to the Agency within one month from the date 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 Waste Management Acts 1996 to 2005, 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 defraying its costs in regard to items not covered by the said annual contribution.

12.2 Environmental Liabilities

12.2.1 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.

12.2.2 The licensee shall arrange for the completion, by an independent and appropriately qualified consultant, of a comprehensive and fully costed Environmental Liabilities Risk Assessment (ELRA), which addresses the liabilities from past and present activities. The assessment shall include those liabilities and costs identified in Condition 10 for execution of the RMP/CRAMP. A report on this assessment shall be submitted to the Agency for agreement within twelve months of date of grant of this licence. The ELRA 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.

12.2.3 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.

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

SCHEDULE A: Limitations

A.1

The following waste related processes are authorised:

- i. Shredding, crushing, bailing, and repackaging processes
- ii. Mixing and blending of waste solvents, acids and oils
- iii. Storage of waste
- iv. Storage of Asbestos Waste limited to 100 tonnes on-site at any one time
- v. Aluminium oxide bulking
- vi. Industrial waste water treatment plant sludge bulking
- vii. Dichloromethane treatment
- viii. Neutralisation of appropriate waste streams

No addition to these processes is permitted unless agreed in advance with the Agency



A.2 Waste Acceptance

Table A.1 Waste Categories and Quantities

WASTE TYPE ^{Note 1}	MAXIMUM (TONNES PER ANNUM) ^{Note 2}
Hazardous Construction & Demolition	3,000
Industrial non-Hazardous Sludge	8,000
Industrial non-Hazardous Solids	3,000
Hazardous ^{Note 3}	58,000
TOTAL	72,000

Note 1: Any proposals to accept other compatible waste streams must be agreed in advance with the Agency and the total amount of waste must be within that specified.

Note 2: The individual limitation on waste streams may be varied with the agreement of the Agency subject to the overall total limit staying the same.

Note 3 **Hazardous waste types as listed in Table H.1.3 of the application, or as may otherwise be agreed in writing**



SCHEDULE B: Emission Limits

B.1 Emissions to Air

Emission Point Reference No.: WSCF-1
 Location: Bund H
 Volume to be emitted: Maximum in any one day: 1000 m³
 Maximum rate per hour: 120 m³
 Minimum discharge height: 3 m above ground

Parameter	Emission Limit Value
Volatile Organic Compounds (as C)	10g/hr

Emission Point Reference No.: WSCF-2
 Location: Bund R
 Volume to be emitted: Maximum in any one day: 2,880 m³
 Maximum rate per hour: 120 m³
 Minimum discharge height: 3 m above ground

Parameter	Emission Limit Value
Volatile Organic Compounds (as C)	10g/hr



B.2 Emissions to Water

There are no Emissions to Water of environmental significance.



B.3 Emission to Sewer

There are no Emissions to Sewer.



B.4. Noise Emissions

Daytime dB(A) L_{Aeq} (30 minutes)	Night-time dB(A) L_{Aeq} (15 minutes)
55 ^{Note 1}	45 ^{Note 1}

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



SCHEDULE C: Control & Monitoring

C.1.1 Control of Emissions to Air

Emission Point Reference No.: WSCF-1, WSCF-2

Description of Treatment: Water scrubber, carbon filter

Control Parameter	Monitoring	Key Equipment ^{Note 1}
Scrubber solution flow	Daily	Flow Monitor
Water levels	Daily	Water-level sensor
Conductivity	Daily	Conductivity probe
VOC Monitoring	Quarterly	As agreed by Agency

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.: AGS-1

Description of Treatment: Water scrubber

Control Parameter	Monitoring	Key Equipment ^{Note 1}
Scrubber solution flow	Daily	Flow Monitor
Water levels	Daily	Water level sensor
Conductivity	Daily	Conductivity probe

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.: WSCF-1

Parameter	Monitoring Frequency	Analysis Method/Technique
HCL	Quarterly	As agreed by Agency
Volatile Organic Compounds	Quarterly	As agreed by Agency

Emission Point Reference No.: WSCF-2

Parameter	Monitoring Frequency	Analysis Method/Technique
VOC	Quarterly	As agreed by Agency

Emission Point Reference No.: AGS-1

Parameter	Monitoring Frequency	Analysis Method/Technique
HCL	Quarterly	As agreed by Agency



C.2.1 Control of Emissions to Water

There are no Emissions to Water of environmental significance.



C.2.2 Monitoring of Emissions to Water

There are no Emissions to Water of environmental significance.



C.2.3 Monitoring of Storm Water Emission

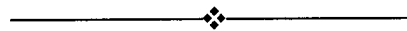
Emission Point Reference No.: SWD-1 (Tank B)

Parameter	Monitoring Frequency	Analysis Method/Technique
PH	Continuous	pH electrode/meter
Flow	Continuous	Flow meter
Conductivity	Continuous	Conductivity meter
Total Organic Carbon	Continuous	TOC meter
Visual Inspection	Daily	Sample and examine for colour and odour



C.3.1 Control of Emissions to Sewer

None specified



C.3.2 Monitoring of Emissions to Treatment Plant

Emission Details: Effluent Holding Tank

Parameter	Monitoring Frequency	Analysis Method/Technique
PH	Weekly	pH electrode/meter and recorder
Biochemical Oxygen Demand	Weekly	Standard Method
COD	Weekly	Standard Method
Total Suspended Solids	Monthly	Standard Method
Total Nitrogen	Monthly	Standard Method
Total phosphorous	Monthly	Standard Method
Chloride	Monthly	Standard Method
VOC's	Quarterly	As agreed by Agency
Total Heavy Metals	Quarterly	Standard Method

C.4 Waste Monitoring

Waste Class	Frequency	Parameter	Method
Initial Tank and/or Container Cleaning Waste	Per consignment	Note 1	To be agreed by Agency
Material as per condition 3.20	Per consignment	Note 1	To be agreed by Agency
Lorry Wash Water	Per consignment	Note 1	To be agreed by Agency
Other ^{Note 1}			

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

C.5 Noise Monitoring

There is no additional noise monitoring required in this schedule.

C.6 Ambient Monitoring

Asbestos Fibre Monitoring

Location: Two Locations as Agreed by the Agency

Parameter	Monitoring Frequency	Analysis Method/Technique
Asbestos Fibre Concentration	Bi-annual	Standard Method ^{Note 1}

Note 1: Method used shall be agreed by the Agency. An independent laboratory agreed by the Agency shall carry out monitoring.

Groundwater Monitoring**Location:**

BH-1, BH-2, BH-3a (as required as per condition 6.11 - H1, H2, N1, N2, N3, N4, N5, Holy Well)

Parameter ^{Note 1}	Monitoring Frequency	Analysis Method/Technique
Visual Inspection /Odour	Monthly	pH electrode/meter
Groundwater level	Monthly	Standard Method
Total Ammonia	Quarterly	Standard Method
Conductivity	Monthly	Standard Method
Chloride	Quarterly	Standard Method
pH	Quarterly	Standard Method
Sodium	Quarterly	Standard Method
Potassium	Quarterly	Standard Method
Hydrocarbons (solvent Extractable)	Quarterly	Standard Method
Total Oxidised Nitrogen	Quarterly	Standard Method
Total Organic Carbon	Monthly	Standard Method
Residue on evaporation	Quarterly	Standard Method
Mercury	Quarterly	Standard Method
Zinc	Quarterly	Standard Method
Nickel	Quarterly	Standard Method
Cadmium	Annually	Standard Method
Chromium (Total)	Annually	Standard Method
Copper	Annually	Standard Method
Cyanide (Total)	Annually	Standard Method
Manganese	Annually	Standard Method
Fluoride	Annually	Standard Method
Iron	Annually	Standard Method
Lead	Annually	Standard Method
Total Phosphorous/orthophosphate	Annually	Standard Method
Residual Chlorine	Annually	Standard Method
List I/II Organic Substances ^{Note 2}	Annually	Standard Method
Total/Faecal Coliforms ^{Note 3}	Annually	Standard Method

Note 1: A competent laboratory using standard and internationally accepted procedures shall carry out all the analysis. The testing laboratory and the testing procedures shall be agreed in writing by the Agency in advance.

Note 2: Samples screened for the presence of volatiles, hydrocarbons (diesel range and petrol range), PAHs, phenols.

Note 3: If there is evidence of bacterial contamination, the analysis at upgradient and downgradient monitoring points should include enumeration of total bacteria at 22°C and 37°C and faecal streptococci

Receiving Water Monitoring

Location: WSP1 and WSP2

Parameter	Monitoring Frequency	Analysis Method/Technique
Visual Inspection/Odour	Weekly	Sample and examine for colour and odour
Total Ammonia	Quarterly	Standard Method
BOD	Quarterly	Standard Method
Suspended Solids	Quarterly	Standard Method
Dissolved Oxygen	Quarterly	Standard Method
Chloride	Quarterly	Standard Method
Conductivity	Quarterly	Standard Method
pH	Quarterly	Standard Method
Temperature	Quarterly	Standard Method
Orthophosphate	Annually	Standard Method
Total Oxidised Nitrogen	Annually	Standard Method
Residual chlorine	Annually	Standard Method
Hydrocarbons (solvent extractable)	Annually	Standard Method
Metals/non metals	Annually	Note 1
List I/II organic substances (Screen)	Annually	As agreed by the Agency
Biological Quality (Q) Rating/Q Index ^{Note 2}	Annually	As agreed by the Agency

Note 1: Metals and elements to be analysed by AA/ICP should include as a minimum: cadmium, calcium, chromium (total), copper, iron, lead, magnesium, manganese, nickel, potassium, sodium and zinc

Note 2: Monitoring period - June to September.

Stream Sediment Analysis

Location: WSP1, WSP2

Parameter	Monitoring Frequency	Analysis Method/Technique
Cadmium	Annually	Standard Method
Chromium (Total)	Annually	Standard Method
Copper	Annually	Standard Method
Hydrocarbons (solvent extractable)	Annually	Standard Method
Lead	Annually	Standard Method
Zinc	Annually	Standard Method
Nickel	Annually	Standard Method

Weather Station Monitoring

Location: On site weather station

Parameter	Monitoring Frequency
Wind Speed	Continuous
Wind Direction	Continuous
Temperature	Continuous
Precipitation	Continuous

SCHEDULE D: Specified Engineering Works

Specified Engineering Works

Installation of waste handling, processing, recycling/recovery infrastructure.

Installation of banded storage areas.

Installation of increased waste processing capacity as well as any abatement system(s).

Any other works notified in writing by the Agency.

SCHEDULE E: Reporting

Completed reports shall be submitted to:

The Environmental Protection Agency
Office of Environmental Enforcement
Regional Inspectorate
Inniscara
Co. Cork

or Any other address as may be specified by the Agency

Reports are required to be forwarded as required in the licence and as may be set out below:

Report	Reporting Frequency ^{Note 1}	Report Submission Date
Monitoring required by the licence	Annually	As part of the AER
Any other monitoring	As they arise	As part of the AER
Specified Engineering Works reports	As they arise	Prior to the works commencing.
Bund, tank and container integrity assessment	Every three years	As part of the AER.
Chemical Reaction Hazard Evaluation of Waste Solvents	As they arise	Prior to mixing and blending of waste solvents
Cessation/reactivation of an activity	As they arise	Fourteen days in advance of cessation/reactivation

Note 1: Unless altered at the request of the Agency.

SCHEDULE F: Annual Environmental Report

Annual Environmental Report Content ^{Note 1}

Emissions from the facility.

Summary of results and interpretations of environmental monitoring, including plans of all monitoring locations including 12 digit grid references.

Report on development works undertaken during the reporting period and those proposed during the coming year.

Use of the quarantine store for rejected waste.

Report on rejected waste - handling and final disposal

Waste management record.

Resource consumption summary.

Complaints summary.

Schedule of Environmental Objectives and Targets

Environmental management programme – report for previous year

Environmental management programme – proposal for current year

Pollution emission register – report for previous year

Pollution emission register – proposal for current year

Noise monitoring report summary

Ambient monitoring summary

Tank and pipeline testing and inspection report

Reported incidents summary

Energy efficiency audit report summary

Report on the assessment of the efficiency of use of raw materials in processes and the reduction in waste generated.

Report on progress made and proposals being developed to minimise water demand and the volume of trade effluent discharge.

Development / Infrastructural works summary (completed in previous year or prepared for current year).

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

Closure, Restoration & Aftercare management Plan

Statement of measures in relation to prevention of environmental damage and remedial actions (Environmental Liabilities)

Environmental Liabilities Risk Assessment Review (every three years or more frequently as dictated by relevant on site change including financial provisions.

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).

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

Waste Recovery Report.

Review of Nuisance Controls.

Volume of trade effluent and/or contaminated stormwater produced and volume transported off-site

Any other items specified by the Agency.

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

Signed on behalf of the said Agency _____

on the xx day of xxxxxx, 2005

xxxxxxx,

Authorised Person