Headquarters,

P.O. Box 3000,

Johnstown Castle Estate

County Wexford, Ireland

WASTE LICENCE

PROPOSED DECISION

Waste Licence Register Number:	50-1
Applicant:	Safeway Warehousing Limited
Location of Facility:	Corrin, Fermoy, Co. Cork

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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 not contravene any of the requirements of Section 40(4) of the Waste Management Act, 1996.

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

Part I - Activities Licensed

In pursuance of the powers conferred on it by the Waste Management Act, 1996, the Environmental Protection Agency (the Agency) proposes, under Section 40(1) of the said Act to grant this Waste Licence to Safeway Warehousing Limited to carry on the waste activities listed below at Corrin, Fermoy, Co. Cork, subject to eleven 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 Act, 1996

Class 7: Physico-chemical treatment not referred to elsewhere in this Schedule (including evaporation, drying and calcination) which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 10 of this Schedule.

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 Act, 1996

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.

INTERPRETATION

Act	The Waste Management Act, 1996 (No. 10 of 1996).
Adequate lighting	20 lux measured at ground level.
AER	Annual Environmental Report
Agency	Environmental Protection Agency
Agreement	Agreement in writing.
Annually	All or part of a period of twelve consecutive months.
Application	The application by the licensee for this waste licence, including any other material submitted to the Agency in writing by the licensee between the date of the application and the date of grant of 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 the waste licence application.
BATNEEC	Best Available Technology Not Entailing Excessive Cost as defined in section 5(2) of the Act.
Bund	A structure to provide containment for any loss of liquid from a storage tank and associated pipework.
Condition	Condition of this licence. In any case where this licence refers to a numbered condition, the reference shall be taken to mean the condition and any sub-condition therein which the context of the reference requires that reference is to be made to
Containment boom	A boom which can contain spillages and prevent these from entering drains or watercourses.
Daily	Consecutive 24 hour periods
Day	A period from 0000 hours to 2400 hours.
Daytime	0800 hours to 2200 hours
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.
Drum	Flat-ended or convex-ended cylindrical packagings made of metal, fibreboard, plastics, plywood or other suitable materials with a maximum capacity of 450 litres.

Emission	As defined in Section 5 (1) of the Act.
Emission Limit Value	Those limits, including concentration limits or deposition limits, contained in Schedule G.
EIS	Environmental Impact Statement
EMP	Environmental Management Plan
Environmental pollution	As defined in Section 5 (1) of the Act.
European Waste Catalogue (EWC)	A harmonised, non-exhaustive list of wastes drawn up by the European Commission and published as Commission Decision 94/3/EC and any subsequent amendment published in the Official Journal of the European Community.
Facility	That area or areas defined under Condition 1.3 of this licence.
Hazardous waste	As defined in Section 4 (2) of the Act.
Health and Safety Executive Publication	Chemical warehousing - The storage of packaged dangerous substances. HSG 71 HSE Books 1998 2nd ed.
Impulsive	As defined in British Standard BS 4142, 1990. "Method for rating industrial noise affecting mixed residential and industrial areas".
Incident	Any reference to an incident in this licence means an incident as defined in Condition 3.1
Instruction	Instruction in writing
Licence	A Waste Licence issued in accordance with the Act.
Licensee	Safeway Warehousing Ltd.
Local authority	Cork County Council
Maintain	Keep in a fit state, including such regular inspection, servicing and repair as may be necessary to adequately perform its function.
Monthly	At least 12 times per year, once during each calendar month.
Noise sensitive location	Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other facility or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels.
Night time	2200 hours to 0800 hours
Non-Hazardous waste	Non-hazardous waste is any waste which is not a hazardous waste as defined in the Act.
Quarterly	A period of three calendar months, the first period of which commences on the date of grant of this licence.

Pathway 2(a)	Refers to blending and mixing the contents of drums on-site
Pathway 2(b)	Refers to blending and mixing the contents of large containers on-site
Recovery	As defined in Section 4 (4) of the Act.
Sample(s)	Unless the context of this licence indicates to the contrary, samples shall include measurements by electronic instruments.
Sanitary authority	Fermoy UDC
Specified emissions	Those emissions listed in Schedule G of this licence.
Specified engineering works	Those engineering works listed in Schedule E of this licence.
Submit	Unless the context of this licence indicates otherwise, submit to the Agency in writing for agreement
Trigger level	A parameter value which when achieved or exceeded requires certain actions to be taken.
United Nations Publication	"Recommendations on the Transport of Hazardous Goods: Model Regulations", tenth revised edition, United Nations, 1997
Waste	As defined in Section 4 (1) of the Act.
Waste disposal activity	Includes the activities referred to in Section 4 of the Act and listed in the Third Schedule thereto.
Waste oil	All oil and petroleum based wastes (including hydrocarbon sludge) accepted for recovery or disposal at the facility.
Waste recovery activity	Includes the activities referred to in Section 4 of the Act and listed in the Fourth Schedule thereto.
Weekly	During all weeks of plant operation, and in the case of emissions, when emissions are taking place; with no more than one measurement in any one week.
Working day	Monday to Saturday 8:00 to 19:00

Part II - CONDITIONS

Condition 1 SCOPE

1.1. Waste activities at the facility shall be restricted to those listed and described in Schedule A and required by the licence.

1.2. Waste activities shall be restricted to the area of land outlined in red on Drawing Number 96184-01 Site Location Map Cork 35/16 received by the Agency on 30th June 1998. Any reference in this licence to "facility" shall mean the area thus outlined in red.

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

1.4. This licence is for the purposes of waste licensing under the Waste Management Act, 1996 only and nothing in this licence shall be construed as negating the licensee's statutory obligations or requirements under any other enactments or regulations.

1.5. Where the Agency considers that a non-compliance with the conditions of this licence has occurred, it may serve a notice on the licensee specifying:

(a) that only those wastes as specified, if any, in the notice are to be accepted at the facility after the date specified in the notice;

(b) that the licensee shall undertake the works stipulated in the notice, and/or otherwise comply with the requirements of the notice as set down therein, within any time-scale contained in the notice; and

(c) that the licensee shall carry out any other requirement specified on the notice.

When the notice has been complied with, the licensee shall provide written confirmation that the requirements of the notice have been carried out. No waste, other than that which is stipulated in the notice, shall be accepted at the facility until written confirmation is received from the Agency that the notice is lifted.

Reason: To clarify the scope of this licence.

Condition 2 MANAGEMENT OF THE ACTIVITY

2.1. Environmental Management System.

2.1.1 The licensee shall, within six months from the date of grant of this licence, submit to the Agency for its agreement a proposal for a documented Environmental Management System (EMS) for the facility. Following the written agreement of the Agency, the licensee shall establish and maintain such a system. The EMS shall be updated on an annual basis with amendments being submitted to the Agency for agreement.

2.1.2 The EMS shall include as a minimum those elements specified in the Conditions 2.2 to 2.7 below:

2.2. Schedule of Environmental Objectives and Targets.

2.2.1 The licensee shall, within six months from the date of grant of this licence, submit to the Agency for its agreement a Schedule of Environmental Objectives and Targets. The objectives should be specific and the targets measurable.

2.2.2 The Schedule shall address a five year period as a minimum and shall be reviewed and submitted annually to the Agency for its agreement.

2.3. Environmental Management Programme.

2.3.1 The licensee shall, not later than six months from the date of grant of this licence, submit to the Agency for its agreement an Environmental Management Programme (EMP). The EMP shall include a time-scale for achieving the Schedule of Objectives and Targets and shall comply with any other guidance issued by the Agency.

2.3.2 The EMP shall include, as a minimum, the information specified in *Schedule B: Content of the Environmental Management Programme*. The EMP shall be reviewed and submitted to the Agency for its agreement annually.

2.4. Corrective Action

2.4.1 The licensee shall, not later than three months from the date of grant of this licence, submit to the Agency for its agreement written Corrective Action Procedures to ensure that corrective action is taken should the specified requirements of this licence not be fulfilled.

2.5. Awareness and Training

2.5.1 The licensee shall, not later than six months from the date of grant of this licence, submit to the Agency for its agreement Awareness and Training Procedures for identifying training needs and for providing appropriate training, for all personnel whose work is related to the licensed facility. Written records of training shall be maintained.

2.6. Management Structure

2.6.1 Prior to the acceptance of waste at the facility, the licensee shall submit written details of the management structure of the facility, including all chemical expertise, for the agreement of the Agency. Any proposed changes in the management structure shall be submitted in writing to the Agency for its agreement. Written details of the management structure shall include the following information:

(a) the names of all persons who are to provide the management and supervision of the waste activities authorised by the licence;

(b) a named contact person for communications with the Sanitary Authority;

(c) details of the responsibilities for each individual named under a) above;

(d) details of the relevant experience, competence and qualifications held by each of the persons nominated under a) above; and,

(e) contingency arrangement for the absences of the named persons from the facility

(f) attending to emergency situations both within and outside normal working hours.

2.7. Communications

2.7.1 Within three months from the date of grant of this licence, the licensee shall submit for agreement to the Agency a Communications Programme to ensure that members of the public can obtain information concerning the environmental performance of the facility at all reasonable times.

2.8. Annual Environmental Report.

2.8.1 The licensee shall submit to the Agency for its agreement, within thirteen months from the date of grant of this licence, and within one month of the end of each year thereafter, an Annual Environmental Report (AER).

2.8.2 The AER shall include as a minimum the information specified in *Schedule C: Content of Annual Environmental Report* and shall be prepared in accordance with any relevant written guidelines issued by the Agency.

2.9. The licensee shall employ the following suitably qualified and experienced personnel: A facility manager who shall be designated as the person in charge, a suitably qualified and experienced deputy to the facility manager, a suitably qualified and experienced chemist.

2.9.1 At least two of the aforementioned personnel shall be present at all times during the operation of the facility.

2.10. The licensee shall ensure that personnel performing specifically assigned tasks shall be qualified on the basis of appropriate education, training and/or experience, as required and shall be aware of the requirements of this licence.

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 NOTIFICATION AND RECORD KEEPING

3.1. The licensee shall make a written record of the following incidents:

(a) any nuisance caused by the activity

(b) any emission which results in the contravention of any relevant standard, including any standard for an environmental medium, or any relevant emission limit value, prescribed under any relevant enactment;

(c) any emission which does not comply with the requirements of this licence;

(d) any trigger level specified in this licence which is attained or exceeded;

(e) any indication that contamination has, or may have, taken place;

(f) any occurrence with the potential for environmental pollution;

(g) any emergency.

3.2. The written record shall include all aspects described in Condition 10.9(a-e).

3.3. Unless otherwise instructed in writing by the Agency, the licensee shall:

a) notify the Agency by telephone, and by facsimile if available, as soon as practicable and in any case not later than 10.00 am the following working day after the occurrence of any incident; and

b) submit the written record required by this condition to the Agency as soon as practicable and in any case within five working days after the occurrence of any incident.

c) In the event of any incident which relates to discharges to surface water, or which affects the interests of the local authority, the licensee shall notify the Local Authority and the Southern Regional Fisheries Board, as soon as practicable by telephone and in writing (by facsimile if available) and in any case not later than 10:00 on the following working day after such an incident.

3.4. Should any further actions be taken after the date of written notification, as a result of an incident occurring, the licensee shall forward a written report of those actions to the Agency as soon as practicable and in any case no later than ten days after the initiation of those actions.

3.5. Unless otherwise agreed by the Agency, all documentation submitted to the Agency shall:

(a) be sent to the Agency's headquarters;

(b) comprise one original and three copies;

(c) be formatted in accordance with any written instruction or guidance issued by the Agency;

(d) be identified by a unique code, indicate any modification or amendment, and be correctly dated to reflect any such modification or amendment;

(e) be submitted in accordance to the relevant reporting frequencies specified by this licence;

(f) be certified as accurate and representative by the licensee; and

(g) in the case of results of any environmental monitoring, be accompanied by a written interpretation setting out their significance.

3.6. Copies of all environmental monitoring data obtained by the licensee which relates to the facility shall be forwarded to the Agency at the frequencies set out in *Schedule D Recording and Reporting to the Agency* to this licence.

3.7. Unless otherwise agreed in advance with the Agency, all written records, reports and other documents required to be maintained under this licence, shall be retained by the licensee.

3.8. The licensee shall provide additional copies of any documentation referred to in this licence to the Agency upon written request, within the time specified by the Agency.

3.9. The licensee shall keep the following documents at the office referred to in Condition 4.4:

(a) the current waste licence relating to the facility;

(b) the current Environmental Management System for the facility;

(c) the previous year's Annual Environmental Report for the facility; and

(d) all written procedures produced by the licensee which relate to the licensed activities.

3.10. Provision shall be made for the transfer of environmental information specified by the Agency, in relation to the activities carried on under this licence, to the Agency's computer system within a timescale specified in writing by the Agency.

3.11. A written record shall be kept of each consignment of wastewater (internal container washings, scrubber wastewater, or other contaminated water) removed from the facility by tanker;

a) the name of the carrier;

b) description of the wastewater (internal container washings, scrubber wastewater, or other contaminated water);

c) bacteriological enumeration of internal container washings that held foodstuffs;

d) the date and time of removal of wastewater from the facility;

e) the volume of wastewater, in cubic metres, removed from the facility on each occasion;

f) the name and address of the Waste Water Treatment Plant to which the wastewater was transported;

g) any incidents or spillages during removal or transportation.

3.12. The licensee shall maintain a written record for each load of waste (and raw materials as appropriate) arriving at or being dispatched from the facility. The licensee shall record the following:

For all loads

(a) the time and date of arrival or departure;

(b) the name of the carrier;

(c) the vehicle registration number;

(d) the quantity of waste and/or raw materials accepted at the facility, recorded in kilograms or tonnes;

(e) the name of the person checking the load

(f) the location of storage, UN number, hazard code, transport code and tremcard number where applicable;

(g) special emergency instructions in case of spillage;

(h) the corresponding booking form; and

For waste loads

(i) for incoming loads, the name of the producers and collectors of the waste as appropriate;

(j) the category of the waste as per Table H.1, the associated EWC codes and UN classification number;

(k) the method of dealing with the waste (e.g. pathway 2a, 2b etc.) ; sampling and testing results, where applicable; Clients declaration of constituents of waste material

(l) a consignment note number (including transfrontier shipment notification and movement/tracking form numbers, as appropriate)

(m) where incoming or outgoing loads or parts thereof are removed or rejected, details of the date of occurrence, the types of waste and the facility to which they were removed;

(n) the destination of outgoing waste (including facility name and waste licence or permit number as appropriate);

(o) written confirmation that consigned waste has reached its destination and/or has been subjected to the recovery/disposal process for which it was destined, as appropriate;

(p) any other information which may be required from time to time by the Agency.

Where waste is received as a mixed load, relevant details shall be recorded in respect of each waste type.

These records shall be kept for a period of not less than three years.

3.13. The licensee shall maintain a written record of all complaints of an environmental nature related to the operation of the activity. Each such record shall give details of the following:

(a) date and time of the complaint;

(b) the name of the complainant;

(c) details of the nature of the complaint;

(d) actions taken on foot of the complaint and the results of such actions; and

(e) the response made to each complainant.

Reason: To provide for the notification of incidents, to update information on the activity and to provide for the keeping of records.

Condition 4 SITE INFRASTRUCTURE

4.1. The licensee shall establish all infrastructure referred to in this licence prior to the commencement of the licensed activities or as instructed by the Agency or as otherwise set out in the licence.

4.2. Site Notice Board

4.2.1 Within three months from the date of grant of this licence, the licensee shall provide and maintain a notice board on the facility so that it is legible to persons outside the main entrance to the facility. The minimum dimensions of the identification board shall be 1200mm by 750 mm.

4.2.2 The board shall clearly show:

(a) the name and telephone number of the facility;

(b) the normal hours of operations;

(c) the name, address and telephone number of the licence holder;

(d) an emergency out of hours contact telephone number;

(e) the name, address and telephone number of the operator of the facility;

(f) the licence reference number; and

(g) where and when environmental monitoring information relating to the facility can be obtained.

4.2.3 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.

4.3. Site Security

4.3.1 The licensee shall provide and maintain the fencing as shown on Drawing No. 96184-04 Rev A of the waste licence application.

4.3.2 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 or as otherwise agreed with the Agency.

4.3.3 Gates shall be kept locked shut when the facility is unsupervised.

4.3.4 The security arrangements shall be as outlined in Attachment D.1(a) of the application unless otherwise agreed with the Agency.

4.3.5 All key holders for the site shall be instructed on safety /emergency procedures relating to the handling and storage of hazardous wastes.

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

4.5. The licensee shall provide and maintain a working telephone and facsimile machine in the office specified in Condition 4.4 above.

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

4.7. The hardstanding areas illustrated on Drawing 97037-1 Rev A received on the 30th April 1999, shall be provided and maintained and shall drain only to the drainage system illustrated thereon subject to any alterations in site drainage agreed in advance by the Agency.

4.8. Fuel Storage

4.8.1 Unless otherwise agreed with the Agency the location of the fuel storage areas shall be in the locations (Bund K, N) indicated on Drawing no. 97037-1 Rev A Site Services Layout Plan in the further information received on the 30th April 1999. Fuels shall only be stored at the agreed location. Drainage from the areas surrounding fuel dispensing areas shall be directed through an oil interceptor.

4.9. Vehicle Inspection Area

4.9.1 An inspection area shall be installed and maintained at the location indicated on Drawing No. 96184-03 Rev P, unless otherwise agreed with the Agency.

4.9.2 All vehicles carrying loads entering or leaving the facility shall remain in this designated area pending full documentary clearance.

4.10. The Licensee shall provide and maintain a Transfer Station Building incorporating two separate storage areas and two loading bays, and a decant room as indicated on Drawing NO 97037-1 Rev A.

4.11. Prior to the commencement of waste activities at the facility the licensee shall provide, maintain and calibrate a weighbridge at the location shown on Drawing No. 96184-03 Rev A. The weighbridge shall be maintained in such condition as to accurately measure the weight of all vehicles using it.

4.12. Other Infrastructure

4.12.1 Prior to the commencement of waste activities at the facility the licensee shall provide and maintain an on-site laboratory, emergency/weighbridge facility and 3 fire-fighting water tanks at the locations indicated on Drawing No. 97037-1 Rev A, unless otherwise agreed with the Agency.

4.13. All raw materials 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.

4.14. Bunding

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

(a) 110% of the capacity of the largest tank or drum within the bunded area

(b) 25% of the total volume of substance which could be stored within the bunded area.

4.14.2 All inlets, outlets, vent pipes, valves and gauges shall be within the bunded areas.

4.14.3 All spillages and liquids recovered from bunded areas shall be treated as hazardous waste unless they are known to be otherwise. All drainage from bunded areas shall be diverted for collection and safe recovery or disposal.

4.14.4 All tanks and containers shall be labelled to clearly indicate their contents.

4.14.5 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.

4.14.6 All bunds shall be checked weekly for structural soundness and cracking/damage by any vehicle. Any defect shall be treated as an incident. A record shall be kept of each check.

4.14.7 The integrity and water tightness of all bunds and their resistance to penetration by water or other materials stored therein shall be tested and demonstrated by the licensee and shall be reported to the Agency within six months from the date of grant of this licence. This testing shall be carried out by the licensee at least once every three years thereafter and reported to the Agency on each occasion as part of the AER. A written record of all integrity tests and any maintenance or remedial work arising from them shall be maintained by the licensee.

4.14.8 Other Integrity Testing

4.14.8.1 The integrity and water tightness of all tanks and containers that store hazardous material on the facility shall be tested in accordance with the requirements of the United Nations Publication.

4.14.8.2 The licensee shall within twelve months of date of grant of this licence, submit a proposal to the Agency for the testing of the integrity of the on-site liquid storage tanks. The recommendations of this report shall be implemented within six months of date of agreement of the proposal by the Agency. This testing shall be carried out every three years thereafter and the results submitted thereafter as part of the AER.

4.15. Oil Interceptor

4.15.1 Unless otherwise agreed with the Agency, the licensee shall install 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 70mm.

4.15.2 The oil interceptors shall be installed and maintained in accordance with the instructions supplied by the manufacturer/supplier or installer. All records shall be kept of the maintenance of the interceptor and submitted as part of the AER.

4.16. Waste Quarantine / Isolation Area

4.16.1 Prior to the acceptance of waste at the facility the licensee shall install an isolation area as outlined in Article 12 compliance information received by the Agency on the 5th October 1998.

4.17. Infrastructure for the Containment of Wastewaters

4.17.1 The licensee shall provide and maintain dedicated tanks and/or containers for lorry wash water, internal washings of containers, internal washings of refridgerated vehicles, 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.

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

4.18. 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.

4.19. Traffic arrangements at the facility shall be such that emergency services' vehicles shall have access to all parts of the facility at all times.

4.20. Specified Engineering Works

4.20.1 The licensee shall submit a written proposals for all Specified Engineering Works, as defined in *Schedule E: Specified Engineering Works*, to the Agency for its agreement at least two months prior to any works being carried out. No such works shall be carried out without the prior written agreement of the Agency.

4.20.2 All specified engineering works shall be supervised by a competent person(s) agreed in advance by the Agency and that person, or persons, shall be present at all times during which relevant works are being undertaken.

4.20.3 Following the completion of all specified engineering works, the licensee shall the licensee shall complete a construction quality assurance validation. The validation report shall be made available to the Agency on request. The validation report shall include the following information:

a) a description of the works;

b) as-built drawings of the works;

c) records and results of all tests carried out (including failures);

d) where relevant a drawing and sections showing the location of all samples and tests carried out;

e) daily records sheets/diary;

f) name(s) of contractor(s)/individual(s) responsible for undertaking the engineering works;

g) name(s) of person(s) responsible for supervision of works and for quality assurance validation of works;

h) records of any problems and the remedial works carried out;

i) any other information requested in writing by the Agency; and

j) a comprehensive drawing of the entire facility drainage network including foul sewerage, surface water drainage, fuel, raw material and waste storage locations, waste quarantine area, monitoring stations, cut-off valves, underground services such as electricity cables and their associated manhole covers, vehicle wash area, oil separators, gullies, manhole covers, buildings, truck parking area, pumps.

4.21. Landscape Proposals

4.21.1 Unless otherwise agreed in advance with the Agency, landscaping shall be in accordance with Section 5.5 (and 6.6) of the EIS and the details illustrated on Drawing No 97037-1 Rev A received by the Agency on the 30th April, 1999.

4.21.2 Notwithstanding Condition 4.21.1 above, within six months of the date of grant of this licence, the licensee shall submit to the Agency, for its agreement, detailed landscape planting proposals for boundary screening. These shall include details on (but not limited to):

a) the time-frame for landscaping works in relation to site development;

b) species composition and the suitability of the hedge/tree mix for the area;

c) total area(s) to be planted;

d) planting method and fertiliser requirement;

e) tree protection; and

f) post planting management.

The licensee shall update these proposals when required in writing by the Agency and submit the proposed amendments to the Agency for its agreement.

Reason: To provide for the protection of the environment

Condition 5 WASTE ACCEPTANCE AND HANDLING

Waste acceptance

5.1. Only those waste types ticked in Tables E.1.2 and E.1.3 of the application, shall be accepted at the facility. Unsegregated household, municipal, commercial or industrial waste, sewage waste including sewage sludge, or explosive waste shall not be accepted at the facility.

5.2. No waste may be accepted at the facility except 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) an effective procedure for dealing with the waste is in place;

(c) the waste has been classified in accordance with the UN Publication and fully characterised and, where necessary and particularly in the case of new customers or waste types, its characteristics and hazardous properties confirmed by the licensee by sampling and analysis in advance and upon arrival at the facility;

(d) a suitable designated storage area is immediately available at the facility; and

(e) a designated waste quarantine area is immediately available at the facility for any waste which does not conform with the pre-notification and which cannot be otherwise accepted at the facility.

5.3. The licensee shall take precautions to prevent accidental ignition or reaction of ignitable or reactive waste. The waste shall be separated and protected from sources of ignition or reaction including but not limited to: open flames, smoking, cutting and welding, hot surfaces, frictional heat, sparks (static, electrical or mechanical), spontaneous ignition (e.g from heat-producing chemical reactions) and radiant heat.

5.4. The quantity of waste to be accepted at the facility shall not exceed 33,150 tonnes per annum.

5.5. The maximum amount of waste that may be stored in the transfer station building is 492,000 litres (or equivalent in m^3) at any one time. All 200-litre drums shall be stored on pallets or shelves. During storage, each drum or IBC shall be accessible for identification purposes. Wastes shall be stored only in the racked shelving so as not to impede access.

5.6. Compatible waste oils generated on-site shall be stored in the 3,000 litre tank in a securely bunded area. No other waste oils shall be stored in this tank.

5.7. Waste and Chemical Storage Plan

5.7.1 Each bunded storage area indicated on Drawing No. 97037-1 Rev A received by the Agency on the 30th April 1999, shall contain only compatible classes of waste and raw materials that are separated or isolated in accordance with the requirements of the Health and Safety Executive Publication. There shall be no storage of drum containers outside of the Transfer Station Building.

5.7.2 All containers shall be uniquely 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.

5.7.3 Each container shall be tracked such that its location, whether at or away from the facility, may be determined at all times.

5.7.4 Prior to the acceptance of any waste at the facility, the licensee shall submit for approval a site specific tracking system in accordance with Attachment F of the waste licence application to cater for all materials being accepted at the facility to the Agency for its agreement. Any modifications to the tracking system shall be submitted to the Agency for its agreement.

5.8. Whenever waste is being stored a daily inspection of the entire facility shall be undertaken and a record shall be kept of all such inspections.

5.9. Waste Inspection/Waste Analysis for Wastes not subject to Mixing and Blending

5.9.1 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. 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.

5.10. Mixing and Blending of Wastes

5.10.1 All containers used for the mixing and blending of waste shall be appropriately cleaned following their use.

5.10.2 The mixing and blending of drums of non-hazardous waste materials listed in Attachment D.3 of the waste licence application is permitted subject to the procedure outlined in Pathway 2(a). The blending and mixing of large containers of hazardous materials in Pathway 2(b) shall be as outlined in Section D2 of the waste licence application or as otherwise instructed by the Agency.

5.10.3 Containers used for the large-scale mixing and blending (Pathway 2b) shall have a high level alarm fitted to prevent overfilling and shall during mixing and blending be located in Bund D. There shall be no other tankers, tanks or containers stored in Bund D. Following completion of the mixing process the storage tank shall be stored in an area designated for the waste type contained therein.

5.10.4 Maintenance of records of mixing and blending and all chemical reaction hazard evaluation reports shall be held at the facility for at least three years.

5.10.5 The licensee shall inform the Agency, by facsimile a minimum of two weeks in advance, of any waste being accepted for mixing and blending for Pathway 2(b).

5.10.6 Compatibility testing shall be performed in accordance with the procedure outlined in the Article 16 responses received on the 30th April, 1999 and the 5th July, 1999 or as otherwise instructed by the Agency.

5.10.7 There shall be no mixing and blending of hazardous wastes other than as provided in Conditions 5.11 to 5.13 below.

5.11. Mixing and Blending of Waste Oils

Mixing and blending of waste oils is permitted subject to the following:

(a) For Pathway 2(a) the contents of small drums containing oil wastes classified under the same EWC sub code may be bulked up into larger drums using the procedure outlined in Section D of the waste licence application;

(b) Waste oils shall only be accepted for bulking up under pathway 2(b) having satisfied a Waste Oils Acceptance Procedure. This Procedure shall be submitted to the Agency for agreement, prior to implementation, no later than three months from the date of grant of licence. As a minimum, the Waste Oils Acceptance Procedure shall detail analytical requirements, acceptance criteria of incoming oils at the facility and acceptance criteria at the recovery facility accepting the blended waste;

(c) The maximum quantity of waste oils to be mixed and blended shall be 150 tonnes per annum; and

(d) There shall be no processing of waste oils at the facility.

5.12. Mixing and Blending of Acid Wastes

Mixing and blending of acid wastes is permitted subject to the following:

(a) The only acids that may be accepted for mixing and blending are hydrochloric acid, nitric acid and nitrous acid;

(b) Only aqueous solutions of the same strength and acid type shall be permitted to be mixed and blended in the same tank;

(c) For Pathway 2(a) the contents of small drums containing only acid wastes of similar nature and strength may be bulked up into larger drums using the procedure outlined in Section D of the waste licence application; and

(d) The maximum quantity of waste acids to be mixed and blended shall be 20 tonnes per annum.

5.13. Mixing and Blending of Waste Solvents

Waste Solvents can only be mixed and blended provided the following criteria are met:

(a) A chemical reaction hazard evaluation of the waste types to be mixed and blended and the contents of the receiving tank is carried out by a competent laboratory and the results shall be submitted to the Agency for its agreement. This chemical reaction hazard evaluation shall be carried out for each and every batch of waste solvents proposed to be mixed and blended at the facility;

(b) Only wastes individually destined for recovery may be mixed and blended at this facility for the purposes of further recovery at another facility;

(c) There shall be no more than one mixing and blending operation of waste solvents under Pathway 2(b) in any one week unless otherwise agreed by the Agency; and

(d) The maximum quantity of waste solvents to be mixed and blended shall be 150 tonnes per annum.

5.14. Mixing and Blending of Raw Materials

5.14.1 The mixing and blending of other materials is restricted to ferrous chloride (Tank A) and aluminium chloride (Tank B) in Bund H of the facility. A high level alarm shall be fitted to prevent overfilling. During filling of the tanks the outlet shall be connected to an appropriate sized acid gas scrubber.

5.15. Waste Repackaging / Reprocessing

5.15.1 All containers accepted at the facility shall be whole and sound. Any leaking or otherwise ruptured containers shall immediately be overdrummed or the contents transferred to a sound container in a manner which 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.

5.15.2 Small containers of hazardous wastes listed in Section D of the waste licence application shall be repackaged into UN approved containers for onward transport and waste industrial clothing wastes shall be processed as described in Attachment D.2 of the application prior to dispatch.

5.16. 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.

5.17. Drum Handling Operation

5.17.1 Prior to crushing or appropriate re-use all drums emptied at the facility shall be decontaminated or otherwise appropriately cleaned out.

5.17.2 Drainage from this operation shall be to a compatible designated tank or container.

5.18. Washing of Containers and Pipelines

5.18.1 Materials used for the washing of all containers and pipelines shall be compatible with the waste streams that they come in contact with.

5.18.2 The internal washings of Waste stream (W2) shall be stored in Bund G pending collection.

5.19. Asbestos waste

5.19.1 The transfer station shall only be used for the temporary storage of asbestos waste prior to its removal for final disposal.

5.19.2 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.

5.19.3 Before acceptance of asbestos waste at the facility at least 30 days notice must be received from the customer.

5.19.4 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.

5.19.5 Before acceptance of asbestos waste in the containers referred to above, all fibrous asbestos waste and dust shall have been enclosed in sealed plastic bags, doubled wrapped, of a minimum thickness of 1,000 gauge, or other sealed containers as

approved in advance by the Agency. "Hard" waste shall have been wrapped in heavy duty plastic and sealed, in a manner approved in advance with the Agency.

5.19.6 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 such as to permit the escape of fibres and dust. Any damage shall be recorded as an incident.

5.19.7 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.

5.19.8 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.

5.19.9 Not more than two containers shall be in use at any one time. The maximum amount of asbestos waste stored at the facility shall not exceed 80 tonnes at any one time unless otherwise agreed with the Agency.

5.19.10 Appropriate warning labels shall be displayed on containers so that persons using or near the facility are aware of its hazards. All full containers shall be sealed with high tensile seal and clearly labelled and shall only be stored in Bund L.

5.19.11 At least one month prior to the commencement of the acceptance of asbestos waste at the facility the licensee shall undertake asbestos fibre monitoring at two locations to be agreed with the Agency. Thereafter, the licensee shall undertake asbestos fibre monitoring on a quarterly basis as specified in Schedule F Monitoring.

5.19.12 Copies of the results of any asbestos fibre monitoring carried out for health and safety reasons shall be submitted to the Agency within 10 days of such results becoming available to the licensee.

5.19.13 Detailed operational procedures on the handling, storage and monitoring of asbestos waste shall be submitted to the Agency for agreement at least two months prior to the commencement of acceptance of asbestos waste at the facility.

5.20. Waste operations and the acceptance of waste at the facility shall only be between the hours of 8:00 and 19:00 Monday to Saturday inclusive. Any operation or acceptance of waste at the facility, with the exception of the daily inspection required in Condition 5.8, outside of normal working hours or on a Sunday shall be treated as an incident.

5.21. Waste Retention Time

Unless otherwise agreed by the Agency:

5.21.1 No waste in drums shall have a retention time in the waste transfer station in excess of three months.

5.21.2 No waste in tanks shall have a retention time in the waste transfer station in excess of six months.

5.21.3 Full containers of Asbestos waste shall be removed as soon as operationally possible and, in any case, at no longer than three monthly intervals.

5.22. Waste sent off-site for recovery or disposal shall only be conveyed to a waste contractor, as agreed by the Agency. The ultimate recovery or disposal facility for all wastes shall be agreed in advance with the Agency. All wastes removed off site for recovery or disposal shall be transported from the facility to the consignee in a manner which will not adversely affect the environment.

5.23. The facility is to be used solely for the activities authorised under this licence. The use of the facility for the storage of commercial loads of foodstuffs is to be discontinued prior to the commencement of activities authorised under this licence.

5.24. Prior to the acceptance of waste at the facility, the licensee shall submit, a revised procedure for the operation of the oil interceptor, firewater retention and surface water discharge, that satisfies all the requirements of this licence. This procedure shall include details on the treatment of any contaminated water and the reporting procedure to the Agency in the event of an incident. The action and warning levels established under Condition 9.2 shall also be included in this procedure.

Reason: To provide for the acceptance and management of wastes authorised under this waste licence

Condition 6 ENVIRONMENTAL NUISANCES

6.1. The licensee shall, at a minimum of one week intervals, inspect the facility and its immediate surrounds for nuisances caused by vermin and odours. Written records shall be made of all inspections and any actions taken as a result of these inspections.

6.2. 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.

6.3. The licensee shall ensure that the activities shall be carried out in a manner such that odours do not result in significant impairment of, or significant interference with, the environment beyond the facility boundary.

6.4. The licensee shall ensure that vermin do not give rise to nuisance at the facility or the immediate environment of the facility.

6.5. All loose litter accumulated within the facility and its environs shall be removed and appropriately disposed of on a daily basis.

Reason: To provide for the control of nuisances.

Condition 7 EMISSIONS AND ENVIRONMENTAL IMPACTS

7.1. No specified emission from the facility shall exceed the emission limit values set out in *Schedule G: Emission Limits*. There shall be no other emissions of environmental significance.

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

7.3. Emissions to atmosphere

7.3.1 Emissions to atmosphere shall only arise from the acid gas scruber (AGS1) and the wet scrubber carbon filter (WSCF1). The scrubbing solution used shall be suitable for the waste streams treated.

7.3.2 The licensee shall prepare a programme, to the satisfaction of the Agency, for the monitoring of fugitive emissions to air. This programme shall be submitted to the Agency for agreement, within six months of the date of grant of this licence and shall be fully implemented within three months of the date of such approval or such other time as the Agency may allow.

7.4. There shall be no direct emissions to groundwater.

7.5. The licensee shall ensure that the activities shall be carried out in a manner such that noise does not result in significant impairment of, or significant interference with, amenities or the environment beyond the facility boundary. There shall be no clearly audible tonal or impulsive component in the noise emissions from the facility at the facility boundary.

7.6. Emission limit values for emissions to surface water in this licence shall be interpreted in the following way:-

7.6.1 For Non-Continuous Monitoring:

7.6.1.1 For parameters other than pH, temperature and flow, eight out of ten consecutive results, calculated as daily mean concentration or mass emission values on the basis of 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.

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

7.7. Emissions to Surface Water

7.7.1 All truck washwater effluents shall be treated in an on-site neutralisation plant.

7.7.2 The licensee shall submit a proposal to the Agency within three months of the date of grant of this licence for its agreement, on the flow control measures (at the facility and in the receiving water) to be implemented to satisfy the relevant conditions and schedules of this licence. This report shall contain as a minimum: (a) sampling locations for washwater and potentially polluted surface water, (b) the control measures, (c) a wash water discharge flow control loop, (d) the location and design of any sampling and measuring devices on the wash water discharge line and the Shanowenadrimina Stream to ensure accurate readings (including backup equipment i.e. staff gauge). No

washwater effluent shall be discharged until this report has been agreed with the Agency.

7.7.3 All flow meters shall be calibrated, operated and maintained as necessary so they will accurately reflect both the effluent discharge and the receiving water flow.

7.7.4 Treated washwater effluent shall only be discharged, when:

(a) the flow in the receiving water is greater than 6 litres per second; and

(b) there are greater than 50 dilutions in the receiving water.

When criteria (a) and (b) are not met treated washwater effluent shall be removed from the facility when the high level in the storage tank is attained.

7.8. Any internal container washings, scrubber wastewater, (or other contaminated water) removed from the facility shall be transported to a Sanitary Authority wastewater treatment plant whose name and location has been agreed in advance by the Agency.

Reason: To control emissions from the facility and provide for the protection of the environment

Condition 8 DECOMMISSIONING AND AFTERCARE

8.1. Decommissioning of the plant at the facility shall be as outlined in Attachment G.1 submitted on 22 March 1999. A proposal for an Aftercare Plan for the facility shall be submitted to the Agency for its agreement within six months of the date of grant of the licence. The licensee shall update this plan when required in writing by the Agency and submit proposed amendments to the Agency for its agreement.

8.2. 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 decommissioning of the facility and aftercare of the site on which the facility is located.

Condition 9 ENVIRONMENTAL MONITORING

9.1. The licensee shall carry out such monitoring and at such frequencies as set out in *Schedule F: Monitoring* and as specified by the conditions of this licence.

9.2. The licensee shall prior to the acceptance of waste at the facility submit proposals for the setting of warning and action levels for pH, TOC and conductivity for uncontaminated surface to the Agency, for its agreement. The proposal shall include a response programme when such action levels are reached.

9.3. The licensee shall provide safe and permanent access to all sampling and monitoring points as required by the Agency.

9.4. Monitoring and analysis equipment shall be operated and maintained in accordance with the manufacturers instructions (if any) so that all monitoring results accurately reflect any emission or discharge or other environmental parameter.

9.5. Continuous Monitoring of Surface Water Run-Off

9.5.1 The licensee shall install continuous pH, conductivity and TOC metres in tank B indicated on Drawing No. 97037-5 Rev A (received 30th April 1999). In the event that contaminated surface water is detected (as determined under Condition 9.2) an automatic shut-off valve shall activate and prevent discharge. Flow shall be diverted to either retention tank on this Drawing pending investigation of the sourcFwashe of the incident and the contaminated water shall be treated in accordance with its constituents.

9.5.2 Surface water run-off from the facility following such an incident shall be characterised manually and may only be discharged where the quality is below the action and warning levels established under Condition 9.2.

9.5.3 The licensee shall perform and record daily visual checks of all valve orientations, oil interceptors, tanks and surface water discharges.

9.6. An annual assessment of the ecology of the site and adjoining habitats shall be undertaken. This assessment shall pay particular attention to species listed in the Article 16 response (Section C4/H4) received by the Agency on the 30th April 1999 which are protected under the Wildlife Act 1976 and the EU Habitats Directive 1997.

9.7. The licensee shall amend the frequency, locations, methods and scope of monitoring, sampling, analyses and investigations only upon the written instruction of the Agency and shall provide such information concerning such amendments as may be requested in writing by the Agency.

9.8. An annual biological assessment of Shanowenadrimina stream shall be undertaken. This assessment shall use appropriate biological methods such as the EPA Q-rating system for the assessment of rivers and streams and shall be submitted at least one month prior to the study being undertaken. The report shall include a drawing showing the location of monitoring points, each identified by a unique number and a twelve figure grid reference. Such alterations shall be carried out within any timescale nominated by the Agency.

9.9. The licensee shall install one downstream groundwater monitoring borehole at a location to be agreed with the Agency within three months of the date of grant of this licence. The existing Borehole no.3 shall be backfilled to the satisfaction of the Agency within three months of the date of grant of this licence.

9.10. For all internal washings of food containers and tankers at the facility the licensee shall undertake a bacteriological examination of the contents. This shall include as a minimum: total viable count ($22^{o}C$, $37^{o}C$), total coliforms and fecal coliforms.

9.11. Prior to the commencement of waste activities the licensee shall provide and maintain a meteorological station at the facility capable of monitoring the parameters listed in Schedule F.6: Meteorological Monitoring of this licence.

9.12. Unless otherwise agreed in writing with the Agency, a written record shall be kept of the names, qualifications and a summary of relevant experience of all persons who carry out any sampling and monitoring as required by this licence and who carry out the interpretation of the results of such sampling and monitoring.

9.13. The licensee shall maintain all sampling and monitoring points so that they may be used for the representative sampling and monitoring of emissions from the facility.

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

Condition 10 CONTINGENCY ARRANGEMENTS

10.1. The licensee shall, within six months from the date of grant of this licence, submit a written Emergency Response Procedure (ERP) to the Agency for its agreement. The ERP shall address any emergency situation which may originate on the facility and shall include provision for minimising the effects of any emergency on the environment.

10.1.1 The licensee shall nomimate an emergency co-ordinator who must have the authority to commit the resources needed to carry out the ERP.

10.1.2 The licensee shall review the ERP, and immediately amend it, if necessary, whenever:

10.1.2.1The procedure fails in an emergency;

10.1.2.2The facility changes – in its design, construction, operation, maintenance or other circumstances

10.1.2.3The list of emergency co-ordinators changes

10.1.2.4The list of emergency equipment changes.

10.2. 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 in an appropriate manner.

10.3. 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.

10.4. The Licensee shall provide and maintain a system for the detection of fire inside the Transfer Building, including the Loading Bay. A written record shall be kept of the inspections, testing and maintenance of this system.

10.5. No waste shall be burnt within the boundaries of the facility. A fire at the facility shall be treated as an emergency. Immediate action shall be taken to extinguish it and the appropriate authorities notified.

10.6. The licensee shall review the requirements at the facility for fire fighting and fire water retention facilities and, within six months from the date of grant of this licence, submit a report, including recommendations, on the findings to the Agency for its agreement. The Chief Fire Officer of Cork County Council shall be consulted by the licensee during this assessment.

10.7. In the event that monitoring of private wells indicate that the facility is affecting the quantity and/or quality of the potable water supply this shall be treated as an incident. The licensee shall submit to the Agency for its agreement and within a time specified in writing by the Agency, written proposals for the provision of an alternative supply of water to those affected.

10.8. Firewater Retention

10.8.1 In the event of a fire or a spillage to surface water, the site surface water shall be diverted to the retention tanks. The licensee shall examine as part of the ERP in Condition 10.1 the provision of remote diversion of firewater to the retention tanks. The licensee shall have regard to any guidelines issued by the Agency with regard to firewater retention.

10.8.2 The integrity and water tightness of the retention tanks and their resistance to penetration by water or other materials stored therein shall be tested and demonstrated

by the licensee and shall be reported to the Agency prior to the acceptance of waste at the facility.

10.9. In the event that any monitoring, sampling or observations indicate that an incident has, or may have, taken place, the licensee shall immediately:

(a) identify the date, time and place of the incident;

(b) carry out an immediate investigation to identify the nature, source and cause of the incident and any emission;

(c) isolate the source of the emission;

(d) evaluate the environmental pollution, if any, caused by the incident;

(e) identify and execute measures to minimise the emissions/malfunction and the effects thereof;

(f) provide a proposal to the Agency for its agreement within one month to:
1. identify and put in place measures to avoid reoccurrence of the incident, and;
2. identify and put in place any other appropriate remedial action.

Reason: To provide for the protection of the environment.

Condition 11 CHARGES AND FINANCIAL PROVISIONS

11.1. Agency charges

11.1.1 The licensee shall pay to the Agency an annual contribution of £15,645 or such sum as the Agency from time to time determines, towards the cost of monitoring the activity or otherwise in performing any functions in relation to the activity, as the Agency considers necessary for the performance of its functions under the Waste Management Act, 1996. The licensee shall in 2001 and subsequent years, not later than January 31 of each year, pay to the Agency this amount updated in accordance with changes in the Consumer Price Index from the date of the grant of the licence to the renewal date. The updated amount shall be notified to the licensee by the Agency. For 2000**,** the licensee shall pay a pro rata amount from the date of grant of this licence to 31st December 2000. This amount shall be paid to the Agency within one month from the date of grant of this licence.

11.1.2 In the event that the frequency or extent of monitoring or other functions carried out by the Agency needs to be increased due to an incident occurring on or adjacent to the facility and associated with the facility, the licensee shall contribute such sums as determined by the Agency to defraying its costs.

11.2. Environmental Liabilities

11.2.1 The licensee shall arrange for the completion of a comprehensive and fully costed Environmental Liabilities Risk Assessment for the facility which will address liabilities arising from the carrying on of the activities to which this licence relates or in consequence of ceasing to carry on those activities. A report on this assessment shall be submitted to the Agency for agreement within six months of date of grant of this licence.

11.2.2 Within nine months of the date of grant of this licence, the licensee shall make a Proposal for Financial Provision to the Agency for its agreement to cover any liabilities incurred by the licensee in carrying on the activities to which this licence relates or in consequence of ceasing to carry on those activities. Such provision shall be maintained unless otherwise agreed in writing by the Agency.

11.2.3 The amount of financial provision, held under Condition 11.2.2 shall be reviewed and revised as necessary, but at least annually. Any proposal for such a revision shall be submitted to the Agency for its agreement.

11.2.4 The licensee shall within two weeks of purchase, renewal or revision of the financial provision required under Condition 11.2.2, forward to the Agency written proof of such indemnity.

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

SCHEDULE A Waste Activities

Activities authorised by the licence shall be restricted to those described below.

WASTE MANAGEMENT ACT,1996: THIRD SCHEDULE *Note 1*	
Class 7	**Physico-chemical treatment not referred to elsewhere in this Schedule (including evaporation, drying and calcination) which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 10 of this Schedule:** This activity is limited to the neutralisation of appropriate wash water streams.
Class 11	**Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule:** This activity is limited to the mixing and blending of hazardous materials (acids, waste oils, solvents). There shall be no other mixing and blending of other waste types.
Class 12	**Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule:** This activity is limited to the baling of industrial clothing, drum crushing and shredding and the repackaging of small hazardous wastes into UN approved containers.
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 is produced:** This activity is limited to the provision of interim storage of hazardous and non-hazardous waste prior to transport for disposal.

Note 1: Any reference to a Class is to be taken as being a class in the Third Schedule of the Waste Management Act, 1996.

WASTE MANAGEMENT ACT,1996: FOURTH SCHEDULE *Note 2*	
Class 13.	**Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced:** This activity is limited to the provision of interim storage of hazardous and non-hazardous waste prior to transport for recovery.

Note 2: Any reference to a Class is to be taken as being a class in the Fourth Schedule of the Waste Management Act, 1996

SCHEDULE B Content of the Environmental Management Programme

Environmental Management Programme

Details of Operator

Name and address of operator and site. Included should be contact names in respect of persons with managerial responsibility for site operations, including the facility manager. Relevant telephone numbers should also be given. All relevant drawings should be included in the EMP.

Types of Waste Accepted

A detailed description of the types of waste that can be accepted at the facility.

Quantity of Wastes Accepted

Details should be given on the annual quantity of waste taken into the facility.

Engineering Details

Details of all significant site engineering works should be included. Where applicable the information should cover:

- fencing, gates and other security
- site access roads and secondary site roads
- offices, fuel stores etc.
- site infrastructure etc.

Operational Matters

These should include:

- description of the operations
- measures for the control of environmental nuisances
- measures for the control of emissions
- site opening and operating times
- access control
- waste acceptance procedures
- procedures for dealing with unacceptable wastes
- equipment to be utilised
- waste and raw materials storage and segregation scheme
- site personnel, including qualifications, duties and responsibilities
- monitoring and maintenance procedures
- trigger levels for emissions
- procedure for the establishment and monitoring of trigger levels for the replacement of scrubber media
- operational and safety rules (including safety statement)
- emergency procedures

Objectives and Targets

Timescale for achieving the objectives and targets listed in the Schedule of Objectives and Targets

Designation of Responsibility for Achieving Targets and Objectives

Other items specified by the Agency

SCHEDULE C Content of the Annual Environmental Report

Annual Environmental Report Content
Reporting Period.
Waste activities carried out at the facility.
Quantity and composition of waste received, disposed of and recovered during the reporting period and each previous year.
Waste sent off site for recovery or disposal including waste contractors and final destination.
Summary report on emissions.
Summary of results and interpretations of environmental monitoring, including plans of all monitoring locations including 12 digit grid references..
Resource and energy consumption summary.
Proposed development of the site and timescale of such development.
Report on development works undertaken during the reporting period and those proposed during the coming year.
Schedule of Environmental Objectives and Targets for the Forthcoming Year - Report and Proposal.
Report on the progress towards achievement of the Environmental Objectives and Targets contained in the previous year's report.
Full title and a written summary of any procedures developed by the licensee in the year which relates to the operation of the facility.
Environmental Management Programme - Report and Proposal.
Environmental Objectives and Targets for the forthcoming year - Report and Proposal.
Tank, pipeline and bund testing and inspection report.
Reported incidents and complaints summary.
Report on financial provision made under this licence, management and staffing structure of the facility, and a programme for public information.
Report on animal health studies
Use of the quarantine store for rejected waste.
Report on rejected waste - handling and final disposal.
Any other items specified by the Agency.

SCHEDULE D Recording and Reporting to the Agency

Table D.1 Recurring Reports

Report	Reporting Frequency (Note 1)	Report Submission Date
Environmental Management System Updates	Annually	One month after the end of the year reported on.
Annual Environment Report (AER)	Annually	Thirteen months from the date of grant of licence and one month after the end of each year thereafter.
Record of Incidents	As they occur	Within five days of the incident.
Cessation/re-activation of an activity in accordance with Condition 3.9	As they arise	Fourteen days in advance of cessation/re-activation
Specified Engineering Works reports	As they arise	Prior to the works commencing.
Chemical Reaction Hazard Evaluation of waste solvents	As they arise	Prior to mixing and blending of waste solvents
Bund, tank and container integrity assessment	3 yearly	Six months from the date of grant of licence and one month after end of the year being reported on.
Asbestos Monitoring	Quarterly	14 days after end of the period being reported on.
Noise Monitoring	Annually	One month after end of the year being reported on.
Ecological Monitoring	Annually	One month after end of the year being reported on.
Biological Monitoring	Annually	One month after end of the year being reported on.
Monitoring of Emissions to Air	Quarterly	14 days after end of the period being reported on.
Monitoring of surface water discharge	Monthly	10 days after end of the month being reported on.

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

SCHEDULE E Specified Engineering Works

Table E.1 Specified Engineering Works

Specified Engineering Works
Development of storage areas.
Installation of sumps of other drainage controls.
Installation of bunded storage areas.
Any other works notified in writing by the Agency.

SCHEDULE F Monitoring

All monitoring frequencies and programmes listed in this Schedule are subject to alteration under Condition 10 or as a result of an incident.

F.1: Surface water

Monitoring Locations: Surface water monitoring locations shall be those as set out in Table F.1.1.

Monitoring Frequency: The frequency of monitoring is outlined in Table F.1.2

Table F.1.1 Surface Water Monitoring Locations (Shanowennadrimina Stream)

STATION	EASTING	NORTHING
WSP1	Note 1	Note 1
WSP2	Note 1	Note 1

Note 1: Grid references to be confirmed and supplied within three months of the date of grant of this licence.

Table F.1.2 Surface Water and Groundwater - Parameters /Frequency

Parameter (Note 1)	SURFACE WATER Stream Monitoring Frequency (Note 2)	GROUNDWATER Monitoring Frequency
Visual Inspection / Odour	Weekly	Quarterly
Groundwater Level	N/A*	Monthly
Ammoniacal Nitrogen	Quarterly	Quarterly
BOD	Quarterly	N/A
Suspended Solids	Quarterly	N/A
Dissolved Oxygen	Quarterly	N/A
Chloride	Quarterly	Quarterly
Electrical Conductivity	Quarterly	Quarterly
pH	Quarterly	Quarterly
Temperature	Quarterly	N/A
Cadmium	N/A	Annually
Chromium (Total)	N/A	Annually
Copper	N/A	Annually
Cyanide (Total)	N/A	Annually
Fluoride	N/A	Annually
Hydrocarbons (solvent extractable)	Annually	Quarterly
Iron	N/A	Annually
Lead	N/A	Annually
Other List I/II substances	N/A	Annually (Note 2)
Manganese	N/A	Annually
Mercury	N/A	Quarterly
Potassium	N/A	Quarterly
Sodium	N/A	Quarterly
Total Phosphorus or orthophosphate	Annually	Annually
Total Oxidised Nitrogen	Annually	Quarterly
Total Organic Carbon	N/A	Quarterly
Residue on evaporation	N/A	Quarterly
Zinc	N/A	Annually
Residual Chlorine	Annually	Annually
Total / Fecal Coliforms (Note 3)	N/A	Annually

* N/A means not applicable

Note 1. All the analysis shall be carried out by a competent laboratory using standard and internationally accepted procedures. The testing laboratory and the testing procedures shall be agreed in writing with the Agency in advance.

Note 2. Samples screened for the presence of volatiles, hydrocarbons (diesel-range and petrol range), PAHs, phenols as indicated in Appendix 3 Article 16 response (30th April 1999).

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.

F.2: Monitoring of Emissions to Surface Water

Table F.2.1 Monitoring and Control of Surface Water Run-Off- Parameters /Frequency (when operational)

Description of Treatment: Oil interceptor Plant / Monitoring Tank (Tank B)

Source of Emission Run-off from Drainage Areas 1 to 4

Monitoring to be Carried Out	Monitoring Frequency	Monitoring Equipment/Method
Tank B (as indicated on Drawing No. 97037-5 Rev A)		
pH [Note 1]	Continuous	pH Meter/Recorder [Note 2]
Conductivity [Note 1]	Continuous	On-line conductivity meter with recorder [Note 2]
TOC [Note 1]	Continuous	On-line TOC meter with recorder [Note 2]

Note 1: TOC, pH and conductivity trigger levels to be determined in accordance with the requirements of this licence.
Note 2: Spares to be held on site.

Equipment

Control parameter	Equipment	Backup Equipment
Tank B		
Effluent Mixing	Stirrer	Spare Held on site

Table F.2.2 Monitoring and control of Neutralised Wash Water Discharge- Parameters /Frequency

Description of Treatment: Neutralisation

Monitoring of Discharge

Monitoring to be Carried Out	Monitoring Frequency	Monitoring Equipment/Method
Flowrate[(Note 1)]	Continuous	Continuous flow meter [Note 2]
Tank A (as indicated on Drawing No. 97037-5 Rev A)		
PH	Continuous	pH electrode/meter and recorder [Note 2]
TOC	Continuous	On-line TOC meter with recorder [Note 2]
Temperature	Daily	Standard Methods
Conductivity	Weekly	Conductivity meter [Note 2]
Suspended Solids	Weekly	Standard Methods
BOD	Weekly	Standard Methods
Ammonia	Weekly	Standard Methods
Total Hydrocarbons	Monthly	Standard Methods
Ortho-P / Total P	Monthly	Standard Methods
Residual Chlorine	Monthly	Standard Methods
BOD / TOC ratio	Note 3	-

Note 1: Exact location to distinguish between washwater and surface water run-off to be agreed with the Agency.
Note 2: Back-up equipment spares held on site.
Note 3: To be supplied within one month of the date of grant of licence.

Equipment for Neutralisation

Control parameter	Equipment	Backup Equipment
Washwater (pH) neutralisation	Caustic / acid dosing pumps	Spares held on site
Effluent Mixing	Stirrer	Spare Held on site

F.3: Groundwater

Monitoring Locations: Groundwater Monitoring locations shall be those as set out in Table F.3.1.
Frequency of monitoring: The frequency of monitoring is outlined in Table F.1.2

Table F.3.1 Groundwater Monitoring Locations

STATION	EASTING	NORTHING
BH1	Note 1	Note 1
BH2	Note 1	Note 1
BH3a	To be agreed Note 1,2	To be agreed Note 1,2
Private Wells Note 3	Note 1	Note 1
Holy Well Note 3 (SMR No. CO 035-051)	Note 1	Note 1

Note 1: Grid references to be supplied to the Agency within three months of the date of grant of this licence.

Note 2: Location to be agreed with the Agency.

Note 3: The following private wells listed in Article 16 information received by the Agency on the 30th April 1999: H1, H2, N1, N2, N3, N4, N5 and the holy well shall be sampled on an annual basis. A written report and interpretation shall accompany the analysis results.

F.4 Air

Emission Point Reference No.AGS1 in Bund H,
Name of Emission Point: Acid Gas Scrubber
Frequency of monitoring: The frequency of monitoring is outlined in Table F.4.1

Table F.4.1: Monitoring of emissions to air

Parameter	Monitoring Frequency Note 1	Analysis Method/ Technique
HCl	Monthly Note 2	Method to be agreed with the Agency

Note 1: Monitoring should be undertaken at a time when maximum emissions are occuring and should represent the particular emissions occuring at that time.
Note 2: Frequency of testing may be reduced after 3 months following evaluation of results by the Agency.

Emission Point Reference No.WSCF1 in Bund D,
Name of Emission Point: Wet Scrubber Carbon Filter
Frequency of monitoring: The frequency of monitoring is outlined in Table F.4.2

Table F.4.2: Monitoring of emissions to air

Parameter	Monitoring Frequency [Note 1]	Analysis Method/ Technique
T.A. Luft Organics Class I	monthly [note 2]	GCFID / MS
T.A. Luft Organics Class II	monthly [note 2]	GCFID / MS
T.A. Luft Organics Class III	monthly [note 2]	GCFID / MS
Chlorides (as HCl)	monthly [note 2]	Method to be agreed with the Agency

Note 1: Monitoring should be undertaken at a time when maximum emissions are occuring and should represent the particular emissions occuring at that time.
Note 2: Frequency of testing may be reduced after 3 months following evaluation of results by the Agency.

F.5: Asbestos Fibre Monitoring

Monitoring Locations : Two locations to be agreed with the Agency

Monitoring Frequency: As per Table F.5.1

Table F.5.1: Asbestos Fibre Monitoring

Parameter (fibres/ml)	Monitoring Frequency	Analysis Method/Technique
Asbestos Fibre Concentration	Quarterly [Note1]	Standard Method [Note 2]

Note 1 : Monitoring shall be performed at least one month prior to commencement of the acceptance of asbestos at the facility.
Note 2: Method used shall be "Asbestos Fibre in Air" Health and Safety Executive MDHS 39/4, UK (1995) or another method agreed with the Agency. Monitoring shall be carried out by an independent laboratory agreed with the Agency.

F.6 Meteorological Monitoring

Monitoring Locations : At a location to be agreed with the Agency

Monitoring Frequency: As per Table F.6.1

Table F.6.1 Meteorological Monitoring:

Parameter	Monitoring Frequency	Analysis Method/Technique
Precipitation Volume	Daily	Standard
Temperature (min/max.)	Daily	Standard
Wind Force and Direction	Daily	Standard
Evaporation	Daily	Standard
Humidity	Daily	Standard

F.7: Noise

Table F.7.1 Noise monitoring locations

STATION	EASTING	NORTHING
Boundary Locations		
MP2, MP3, MP4 Note 2	see Note 1	
Noise Sensitive Locations (NSL)		
MP1, MP5 Note 2	See Note 1	
Other Note 3	See Note 1	

Note 1: Grid references to be supplied within 10 months of the date of grant of licence.
Note 2: Locations as indicated in Appendix 3.2 of the EIS.
Note 3: Any other NSL which the Agency deems appropriate.

Table F.7.2 Noise monitoring frequency

Parameter	Monitoring frequency	Analysis method or technique
$L(A)_{EQ}$ [30 minutes]	Annually	Standard Note 1
$L(A)_{10}$ [30 minutes]	"	"
$L(A)_{90}$ [30 minutes]	"	"
Frequency analysis (1/3 octave band analysis)	"	"

Note 1: International Standards Organisation. ISO 1996. Acoustics - Description and Measurement of Environmental Noise. Parts 1, 2 and 3.

SCHEDULE G Emission Limits

G.1 Surface Water Emission Limits

Emission Point Reference Nos.: SDW1
Description: Neutralised Washwater
Grid Reference: 181696 E, 95285N
Volume to be emitted: Maximum rate per second: 0.11 l/s
Time of emission: Minimum stream flow of 5.6 l/s and must be greater than 50 dilutions of effluent at all times.

Table G.1 Surface Water emission limits

Parameter	Emission Limit Value
	Daily Mean (mg/l except pH, temp)
pH	6-9
BOD	10
SS	50
Total P (as P)	0.1
Total Ammonia (as N)	0.5
Hydrocarbons	5.0
Temperature (^{o}C)	42

G.2 Noise Emissions: (Measured at any noise sensitive location).

Table G.2 Noise emission limits

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

SCHEDULE H Acceptability of wastes at the facility

H.1 Wastes acceptable at the facility

The hazardous wastes, as outlined in Section D3 and Table E.1.2 of the application:

Table H.1 Waste Categories and Quantities

WASTE TYPE	MAXIMUM TONNES PER ANNUM
Hazardous waste as listed in Section D3 and Table E.1.2 of the application	32,150
Non-hazardous waste	1,000
TOTAL	33,150

Signed on behalf of the said Agency
on the 5th day of April, 2000: _____

B. Sheehan Authorised Person