This licence was amended on 11/10/2005 under Section 76(4) of the Waste Management Acts, 1996 to 2003. The details of the amendment must be read in conjunction with the licence. The amendment document is titles 184-1S76(4) Amendment A.doc.

This licence was amended on 10th February, 2011 under Section 42B (1) of the Waste Management Acts, 1996 to 2010. The details of Amendment B must be read in conjunction with this licence. The amendment document is entitled Technical Amendment B

This licence was amended on 14th January 2013 under Section 42B(1)(c) of the Waste Management Acts, 1996 to 2011. The details of Amendment C must be read in conjunction with this licence. The amendment document is entitled "Technical Amendment C"

This licence was amended on 30 December2013 under Section 82A(11) of the Environmental Protection Agency Act 1992, as amended/Section 76A(11) of the Waste Management Act 1996, as amended. The details of the Amendment must be read in conjunction with this licence. The amendment document is entitled "IED Amendment".

LICENCE REG NO. W0184-01 HAS BEEN REVISED.
Please note that licence Reg No. W0184-01 was reviewed and replaced by the revised licence Reg No. W0184-02.

Environmental Protection Agency
An Ghníomhaireacht um Chaomhnú Comhshaoil

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

WASTE LICENCE

HAZARDOUS WASTE TRANSFER FACILITY

Waste Licence Register Number: 184-1
Licensee: Atlas Environmental Ireland Limited

Location of Facility: Clonminam Industrial Estate, Portlaoise, County Laois

INTRODUCTION

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

Atlas Environmental Ireland Limited currently holds an IPC Licence (Reg No. 472) to refine and reuse waste oils, recover waste oil filters, treat oily solid wastes and treat/bioremediate contaminated soils at their facility in Clonminam Industrial Estate, Portlaoise, County Laois. Atlas Environmental have applied to review their existing IPC licence by applying for a Waste Licence in order to expand the range of waste activities carried out at the facility in the future. The acceptance and processing of oil based waste and oil contaminated soils waste will continue at the facility.

The new licence will enable Atlas Environmental to expand into the hazardous waste transfer business, to recover wastewater sludges by a new sludge drying facility, and treat/transfer additional waste materials, which derive mainly from the automotive services sector in addition to treatment of waste acid/base solutions and waste electronic goods (WEEE).

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

This licence sets out in detail the conditions under which Atlas Environmental Ireland Limited will operate and manage the facility.

This licence is being granted in substitution for the Integrated Pollution Control Licence granted to the licensee on the 27 January 2000 and bears Waste Licence Register No: 184-1. The previous Integrated Pollution Control Licence (Register No: 472) is superseded by this licence.

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DECISION & REASONS FOR THE DECISION

Reasons for the Decision

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

In reaching this decision the Agency has considered the application and supporting documentation received from the applicant, a submission and an objection received and the reports of its inspectors.

Part I Activities Licensed

In pursuance of the powers conferred on it by the Waste Management Act, 1996, the Environmental Protection Agency (the Agency), under Section 46(2) of the said Act hereby grants this Waste Licence to Atlas Environmental Ireland Limited to carry on the waste activities listed below at Clonminam Industrial Estate, Portlaoise, County Laois 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 Act 1996

Class 6.	**Biological 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 10. of this Schedule:** This activity is limited to the biological treatment and remediation of contaminated soils, hazardous contaminated soils or other associated organic material.
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 (including evaporation, drying and calcination):** This activity is limited to the drying of non hazardous sludge, the shredding of waste tyres, separation of hydrocarbon sludges into oil, water and sludge fractions, and other waste treatment activities subject to the agreement of the Agency, prior to the subsequent disposal of segregated fractions off site.
Class 12.	**Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule:** This activity is limited to the compaction and repackaging of waste prior to disposal off site.
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 was produced:** This activity is limited to storage and bulking of waste prior to disposal off site.

Class 2.	**Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes):** This activity is limited to the reclamation and remediation of contaminated soils, hazardous contaminated soils, or other associated organic material by soil treatment on site or export off-site for processing at a licensed facility for further reuse. This activity can also refer to other waste treatment activities subject to the agreement of the Agency, and the subsequent recovery of segregated fractions.
Class 4.	**Recycling or reclamation of other inorganic materials:** This activity is limited to the shredding and recovery of tyres and other inorganic materials, as agreed by the Agency.
Class 5.	**Regeneration of acids or bases:** This activity is limited to the reconditioning of acids or bases for reuse.
Class 8.	**Oil re-refining or other re-uses of oil:** This activity is limited to the recycling and treatment of waste oil and waste fuel, and the separation of hydrocarbon sludges, into oil, water and sludge fractions, and the subsequent recovery of segregated fractions, and the re-refining of other oils subject to the agreement of the Agency.
Class 9.	**Use of any waste principally as a fuel or other means to generate energy:** This activity is limited to the use of recovered oil as a fuel for the generation of power or steam.
Class 11.	**Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule:** This activity is limited to the use of waste obtained from any activity referred to in a preceding paragraph of this Schedule for onward recovery, on or offsite, subject to the agreement of the Agency.
Class 12.	**Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule:** This activity is limited to the recovery of oily solid wastes and used filters for onward recovery.
Class 13.	**Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced:** This activity is limited to the storage of waste materials at the facility prior to on site recovery or consignment to off site recovery facilities.

INTERPRETATION

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

Adequate lighting	20 lux measured at ground level.
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 the waste licence application.
Application	The application by the licensee for this waste licence.
Appropriate facility	A waste management facility, duly authorised under relevant law and technically suitable.
BAT	Best Available Techniques as defined in Section 5(2) of the 1992 Act as amended.
Bi-annually	All or part of a period of six consecutive months.
Biodegradable waste	Any waste that is capable of undergoing anaerobic or aerobic decomposition, such as food, garden waste, sewage sludge, paper and paperboard.
Condition	A condition of this licence.
Consignment Note	All movements of hazardous waste within Ireland must be accompanied by a "C1" consignment note issued by a local authority under the Waste Management (Movement of Hazardous Waste) Regulations (SI No. 147 of 1998).
Construction and Demolition Waste	All wastes which arise from construction, renovation and demolition activities.
Containment boom	A boom which can contain spillages and prevent them from entering drains or watercourses.
Daytime	8.00 a.m. to 10.00 p.m.
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.
Emergency	Those occurrences defined in Condition 9.4.
Emission Limits	Those limits, including concentration limits and deposition levels established in *Schedule C: Emission Limits,* of this licence.
ELV	End-of-Life Vehicles.
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.
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.
Incident	The following shall constitute an incident for the purposes of this licence: a) an emergency; b) any emission which does not comply with the requirements of this licence; c) any exceedance of the daily duty capacity of the waste handling equipment; d) any trigger level specified in this licence which is attained or exceeded; and e) any indication that environmental pollution has, or may have, taken place.
Industrial Waste	As defined in Section 5(1) of the Act.
Inert waste	Waste as defined in SI 336 of 2002 Waste Management (Licensing) (Amendment) Regulations, 2002.
Landfill Directive	Council Directive 1999/31/EC.
Licence	A Waste Licence issued in accordance with the Act.
Licensee	Atlas Environmental Ireland Limited.
Liquid Waste	Any waste in liquid form and containing less than 2% dry matter. Any waste tankered to the facility.
Maintain	Keep in a fit state, including such regular inspection, servicing, calibration and repair as may be necessary to adequately perform its function.
Mobile Plant	Self-propelled machinery used for the emplacement of wastes or for the construction of specified engineering works.
Monthly	A minimum of 12 times per year, at approximately monthly intervals.
Municipal waste	As defined in Section 5(1) of the Waste Management Act 1996.
Night-time	10.00 p.m. to 8.00 a.m.
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.
Quarterly	At approximately three monthly intervals.
Sanitary Authority	Laois County Council.
Sample(s)	Unless the context of this licence indicates to the contrary, samples shall include measurements by electronic instruments.
SCADA	Supervisory Control and Data Acquisition system.
Sludge	The accumulation of solids resulting from chemical coagulation, flocculation and/or sedimentation after water or wastewater treatment with greater than 2% dry matter.
Specified Emissions	Those emissions listed in *Schedule C: Emission Limits* of this licence.
Specified Engineering Works	Those engineering works listed in *Schedule B: Specified Engineering Works*

(SEW)	of this licence.
Trigger Level	A parameter value specified in the licence, the achievement or exceedance of which requires certain actions to be taken by the licensee.
Wastewater	Contaminated water including water that has been used for washing and/or flushing (including foul water and trade effluent).
WEEE	Waste Electrical and Electronic Equipment.
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.
EPA Working Day	Refers to the following hours; 9.00 a.m. to 5.30 p.m. Monday to Friday inclusive.

PART II CONDITIONS

CONDITION 1 SCOPE OF THE LICENCE

1.1. Waste activities at the facility shall be restricted to those listed and described in Part I: Activities Licensed and authorised by this licence.

1.2. For the purposes of this licence, the facility is the area of land outlined in red on Drawing 'Site Boundary Plot ref No 184041-1', Attachment B2, of the application. Any reference in this licence to "facility" shall mean the area thus outlined in red.

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

1.4. Only those waste categories and quantities listed in *Schedule A: Waste Acceptance* of this licence, shall be accepted at the facility.

1.5. Waste Acceptance Hours and Hours of Operation

1.5.1 The facility may be operated between the hours of 07:00 – 23:00 Monday to Sunday inclusive.

1.5.2 Waste shall be accepted at the facility between the hours of 07:30 – 21:00 Monday to Sunday inclusive.

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

1.6.1 That only those wastes as specified, if any, in the notice are to be accepted at the facility after the date set down in the notice;

1.6.2 That the licensee shall undertake the works stipulated in the notice, and/or otherwise comply with the requirements of the notice as set down therein, within the time-scale contained in the notice; and

1.6.3 That the licensee shall carry out any other requirement specified in the notice.

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

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

1.8 This licence is being granted in substitution for the Integrated Pollution Control Licence granted to the licensee on the 27th of January 2000 and bears Waste Licence Register No: 184-1. The previous Integrated Pollution Control Licence (Register No: 472) 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 facility manager with experience commensurate with the expertise required who shall be designated as the person in charge. The facility manager or a nominated, suitably qualified and experienced, deputy shall be present on the facility at all times during its operation.

2.1.2 Both the facility manager and deputy, and any replacement manager or deputy, shall successfully complete both the FAS waste management training programme (or equivalent agreed by the Agency) and associated on site assessment appraisal within twelve months of appointment.

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

2.2 Management Structure

2.2.1 Within three months from the date of grant of this licence, the licensee shall submit written updated details of the management structure of the facility to the Agency. Any proposed replacement in the management structure shall be notified in advance in writing to the Agency. Written details of the management structure shall include the following information.

a) the names of all persons who are to provide the management and supervision of the waste activities authorised by the licence, in particular the name of the facility manager and any nominated deputies;

b) details of the responsibilities for each individual named under a) above; and

c) details of the relevant education, training and experience held by each of the persons nominated under a) above.

2.3 Environmental Management System (EMS)

2.3.1 The licensee shall maintain an EMS. The EMS shall be updated on an annual basis with amendments being submitted as part of the AER, to the Agency for its agreement.

2.3.2 The EMS shall include as a minimum the following elements:

2.3.2.1 Schedule of Environmental Objectives and Targets

The objectives should be specific and the targets measurable. The Schedule shall address a five-year period as a minimum. The Schedule shall include a time-scale for achieving the objectives and targets and shall comply with any other written guidance issued by the Agency.

2.3.2.2 Environmental Management Plan (EMP)

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

(i) methods by which the objectives and targets will be achieved in the coming year and the designation of responsibility for targets;

(ii) any other items required by written guidance issued by the Agency.

2.3.2.3 Corrective Action Procedures

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

2.3.2.4 Awareness and Training Programme

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

2.4 Mass Balance of Specified Substances

2.4.1 The licensee shall, at a date to be agreed in writing by the Agency, and having regard to any Regulations made under Section 64 of the Waste Management Act, 1996 as amended, submit to the Agency for its agreement a Mass Balance of Specified Substances (MBSS), which shall include a list of substances and the methodology to be used in their determination.

2.4.2 Following an agreement on Condition 2.4.1 above, the MBSS shall be reviewed and submitted to the Agency annually.

2.5 Communications Programme

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

REASON: *To make provision for the proper management of the activity on a planned basis having regard to the desirability of ongoing assessment, recording and reporting of matters affecting the environment.*

CONDITION 3 FACILITY INFRASTRUCTURE

3.1 The licensee shall establish all infrastructure referred to in this licence prior to the commencement of the licensed activities or as required by the conditions of this licence. No waste shall be accepted at the facility without prior agreement of the Agency.

3.2 No alteration to, or reconstruction in respect of, the activity or any part thereof which would, or is likely to, result in a material change or increase in:

(i) the nature or quantity of any emission;

(ii) the abatement/treatment or recovery systems;

(iii) the range of processes to be carried out;

(iv) the fuels, raw materials, intermediates, products or wastes generated, or any changes in; and

(v) the site management and control with adverse environmental significance, shall be carried out or commenced without prior notice to, and without the prior written agreement of, the Agency.

3.3 Specified Engineering Works

3.3.1 The licensee shall submit proposals for all Specified Engineering Works, as defined in *Schedule B: Specified Engineering Works* of this licence, to the Agency for its agreement at least two months prior to the intended date of commencement of any such works. No such works shall be carried out without the prior agreement of the Agency.

3.3.2 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.

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

a) a description of the works;

b) as-built drawings of the works;

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

d) drawings and sections showing the location of all samples and tests carried out;

e) daily record sheets/diary;

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

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

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

i) any other information requested in writing by the Agency.

3.4 Facility Notice Board

3.4.1 The licensee shall provide and maintain a Facility Notice Board at the entrance leading to the facility from the main road 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.

3.4.2 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.

3.5 Facility Security

3.5.1 Security fencing and gates shall be installed and maintained around the boundary of the facility, except where the existing boundary walls are in place as described in Attachment D 1.a. of the application and Drawing No. At-Wst 1 (D1). The base of the fencing shall be set in the ground.

3.5.2 Unless otherwise agreed by the Agency, security shall include a CCTV surveillance system as described in Attachment D.1.a of the application.

3.5.3 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.

3.6 Facility Roads and Site Surfaces

3.6.1 Site roads shall be provided and maintained to ensure the safe movement of vehicles within the facility. A one way traffic system with appropriate signage shall be operated at the facility and sufficient car parking areas shall be provided and maintained.

3.6.2 Traffic awaiting access to the facility shall not queue along the public road.

3.6.3 The licensee shall provide and maintain impermeable concrete surface at the facility entrance area, at the car parking area, where vehicle movement takes place and at all waste handling and storage areas. All concreted areas at the facility shall be constructed to British Standard 8110.

3.7 Facility Office

3.7.1 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.

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

3.8 Waste Inspection and Quarantine Areas

3.8.1 The Waste Inspection Areas as specified in Drawing No. At-Wst 1 (D1) shall be provided and maintained at the facility.

3.8.2 The Waste Quarantine Areas specified in Attachment D.1.h of the application as 'Quarantine Areas A, B & C and segregation tanks 21, 31, and 41" shall be provided and maintained at the facility.

3.8.3 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 areas and the waste quarantine areas shall be clearly identified and segregated from each other.

3.9 Weighbridge and Wheel Cleaning

3.9.1 The licensee shall provide and maintain a weighbridge and wheelwash (to the satisfaction of the Agency) at the facility.

3.10 Waste Handling, Ventilation and Processing plant

3.10.1 Items of plant deemed critical to the efficient and adequate processing of waste at the facility (including *inter alia* waste oil processing, oil filter crushing, battery handling, tyre shredding) shall be provided on the following basis:-

a) 100% duty capacity;

b) 50% standby on ventilation plant, and other plant to be agreed by the Agency;

c) Provision of contingency arrangements and/or back up and spares in the case of breakdown of critical equipment.

3.10.2 The licensee shall install and maintain a negative air pressure and emissions control system at the proposed Sludge Drying Unit and associated underground storage tank, and install an odour abatement unit to the sludge drying exhaust stack as described in Section 8.4.2 of the EIS submitted with the application, and the Article 14(2)(b) reply dated 30 April 2003.

3.10.3 Within six months from the date of grant of this licence, 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 at the facility. These capacities shall be based on the licensed waste intake, as per *Schedule A: Waste Acceptance*, of this licence.

3.10.4 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.

3.10.5 Within six months from the date of grant of this licence, the licensee shall provide a report for the agreement of the Agency detailing the ventilation requirements for the new integrated waste recovery and transfer facility building. Any remedial works

recommended in this report must be implemented within a time-scale to be agreed by the Agency.

3.11 Sludge Drying Facility

3.11.1 Within four months prior to the intended date of commencement, the licensee shall submit to the Agency for its agreement SEW proposals for the treatment of sludge waste, and the commissioning of the associated Combined Heat and Power Plant (CHP).

3.11.2 Appropriate infrastructure for the drying of sludge shall be established and maintained at the facility prior to any sludge being treated.

3.11.3 The quantity of sludge stored prior to treatment shall not exceed 50 cubic metres at any time unless otherwise agreed by the Agency.

3.12 Waste Water Collection System / Surface Water Management

3.12.1 The licensee shall discharge wastewater to the Laois County Council sewer (via the industrial park sewer) as per Drawing number At-Wst 2. Wastewater shall pass through the series of chambers and the regulator specified in Section 7.3.1.1 of the EIS and shall be monitored by a SCADA system prior to discharge to the sewer.

3.12.2 Runoff from all areas used for the handling and storage of waste including the soil remediation area, and vehicle wash water shall discharge to the wastewater collection system as specified in Condition 3.12.1 above.

3.12.3 Runoff from all areas not used for the handling and storage of waste shall be discharged to surface water via the Class 1 oil interceptors, and pass through the v-notch weir before discharge to the municipal surface water system.

3.12.4 All wastewater gullies, drainage grids and manhole covers shall be painted with red squares whilst 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 during facility operation, and any identification designated in this licence (e.g. SW1) shall be inscribed on these manholes.

3.12.5 The drainage system, bunds, silt traps and oil separators shall be inspected weekly, desludged as necessary and properly maintained at all times. All sludge and drainage from these operations shall be collected for safe disposal. A written record shall be kept of the inspections, desludging, cleaning, disposal of associated waste products, maintenance and performance of the interceptors, bunds and drains.

3.13 Tank and Drum Storage Areas

3.13.1 All tank and drum storage areas shall be rendered impervious to the materials stored therein.

3.13.2 All tank and drum storage areas shall, as a minimum, be bunded, either locally or remotely, to a volume not less than the greater of the following:-

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

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

3.13.3 All drainage from bunded areas shall be diverted for collection and safe disposal.

3.13.4 All inlets, outlets, vent pipes, valves and gauges must be within the bunded area.

3.13.5 The integrity and water tightness of all the bunds and their resistance to penetration by water or other materials stored therein shall be confirmed by the licensee and shall be reported to the Agency within 12 months of the date of grant of this licence. This confirmation shall be repeated at least once every three years thereafter and reported to the Agency on each occasion.

3.13.6 Fuels, waste oils, effluent, and acids shall be stored only at the tank locations and underground storage locations (USTs) specified in Attachment D.1.g and Drawing No. At-Wst 1 of the application unless the prior written agreement of the Agency has been obtained. All tanks and containers shall be clearly marked to illustrate their contents and shall comply with Condition 3.13.2 above. All USTs to be installed shall be double skinned steel with leak detection and overspill protection.

3.13.7 Within three months of date of grant of this licence the bunded area labelled as ‘Sludge Bay’ adjacent to Tank 20 shall be inspected/tested and repaired as may be necessary. A

report on this work, by a suitably qualified civil/structural engineer, to include a certification of the Sludge Bay as fit-for-purpose shall be submitted to the Agency within four months of the date of grant of this licence. Wastes dropped onto the sludge bay shall be moved as soon as practicable to suitable containers, and in any case by the end of each working day. The licensee shall store oily solid wastes and sludges in UN approved drums within a bunded storage area as described in Section 2.7.2 of the EIS.

3.13.8 The licensee shall submit a proposal for the installation of high liquid level alarms at pump sumps or other treatment plant chambers from which spillage might occur within three months from the date of grant of this licence.

3.13.9 The licensee shall undertake a programme of testing and inspection of underground tanks and pipelines to ensure that all underground fuel, sludge, effluent and foul sewer pipes are tested at least once every three years, unless otherwise agreed by the Agency. A report on such tests shall be included in the AER.

3.14 Soil Remediation Area

3.14.1 The licensee shall provide and maintain a soil remediation/recovery area at the location indicated in Drawing No. At-Wst 1 (D1). This infrastructure shall at a minimum comprise the following:-

a) an impermeable concrete slab;

b) roofing over the entire soil remediation area;

c) collection and disposal infrastructure for all run-off and its connection to wastewater collection system;

d) appropriate screening to provide visual and noise screening;

e) all stockpiles shall be adequately contained to minimise dust and odour generation;

f) within three months of the date of grant of this licence, the licensee shall review the measures in place to store, treat and monitor soils of a hazardous nature at this facility and shall provide a report to the Agency for its agreement, making recommendations for the control of dust, odour, vapours (including BTEX) and potential for exposure of humans and environmental receptors in a release, and run-off from the soil remediation facility. USEPA 'Corrective Action Management Units' guidance (CAMU Regulations (40 CFR 264.552; 67 FR 3007)), shall be incorporated into this review. Any monitoring requirements and remedial works recommended in this report must be implemented within a time-scale to be agreed by the Agency.

3.15 Groundwater Management

3.15.1 Effective groundwater management infrastructure shall be provided and maintained at the facility during construction, operation, restoration and aftercare of the facility. As a minimum, the infrastructure shall be capable of the protection of the groundwater resources from pollution by the waste activities.

3.15.2 Within three months from the date of grant of this licence, the licensee shall establish three groundwater monitoring wells in the underlying bedrock with bollard protection, at locations to be agreed by the Agency to complement the existing four shallow (gravel) monitoring wells, to allow for the monitoring of groundwater levels and quality in the main bedrock aquifer. Two monitoring boreholes should be located on the east side and downgradient of the soil remediation area and the main fuel gantry.

3.15.3 All groundwater monitoring wells shall have their elevations (mOD Malin) marked on their respective casings or borehole caps. The licensee shall submit to the Agency the top of casing and ground level elevations for all groundwater boreholes.

3.15.4 Within one month from the date of grant of this licence, the licensee shall pump out the contents of the existing 'Sludge Bay' adjacent to Tank 20, and shall carry out investigations to determine if the contents of the sludge bay have impacted on the underlying soil and groundwater quality, and shall provide a report to the Agency for its agreement. Any remedial works recommended in this report must be implemented within a time-scale to be agreed by the Agency.

3.16 Fire Control

3.16.1 The licensee shall provide and maintain a firewater retention capacity as described in Attachment F 4 (Report URS ref 46605/003 Section 9.7.3) of the application.

3.17 Monitoring Infrastructure

3.17.1 Monitoring infrastructure which is damaged or proves to be unsuitable for its purpose shall be replaced within three months of it being damaged or recognised as being unsuitable.

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

CONDITION 4 RESTORATION AND AFTERCARE

4.1. The decommissioning of the facility shall be as described in Attachment G (a) (Residuals Management Plan, 28/2/2002 URS) of the application. At least three months prior to the cessation of waste activities on the facility, the licensee shall submit a detailed Decommissioning Plan to the Agency for its agreement.

4.2. A final validation report to include a certificate of completion for the decommissioning of the facility, for all or part of the site as necessary, shall be submitted to the Agency within three months of execution of the decommissioning. 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 provide for the restoration of the facility.*

CONDITION 5 FACILITY OPERATIONS

5.1 All waste processing shall be carried out inside the waste processing buildings or at the specific waste infrastructure locations shown in Drawing No. At -Wst 1.

5.2 Waste Acceptance and Characterisation Procedures

5.2.1 Waste arriving at the facility shall be weighed, documented and directed to the relevant waste processing building.

5.2.2 The procedures for waste acceptance and waste handling shall be as detailed in Attachment E.3 (E3 (a) to E3 (f) inclusive) of the application, or as otherwise agreed in writing; and shall meet any applicable requirements of EU Council Decision 2003/33/EC.

5.2.3 No waste shall be stored at the facility in other than designated storage areas shown in Drawing No. At -Wst 1, or as otherwise agreed by the Agency. The designated storage areas shall be marked on the floor or otherwise delineated within three months of the date of grant of this licence.

5.2.4 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 areas to avoid spillage/leakage, odour generation, the attraction of vermin and any other nuisance or objectionable condition.

5.2.5 A record of all inspections of incoming waste loads shall be maintained.

5.2.6 Waste shall be accepted at the facility, only from customers who are holders of a waste permit, unless exempted, under the Waste Management (Collection Permit) Regulations 2001 or from other licensed/permitted facilities.

5.3 Waste Oil Processing

5.3.1 Waste Oils accepted for reprocessing on site shall be limited to the following sources:

(a) Ship lubricant and fuel oils;

(b) Automobile lubricating oils;

(c) Used automobile oil filters.

5.3.2 Waste Oils arising from industrial sources, tank & interceptor cleaning operations, bring stations and oil-spill clean up operations shall be accepted only for reprocessing on site having satisfied the Waste Oils Acceptance Procedure (Attachment E3 (a) of the application), or as otherwise agreed in writing.

5.3.3 The heating of waste oils will be carried out at the appropriate temperature so as to avoid their combustion. A safety cut off temperature detection unit shall be installed on the oil heating tanks and calibrated annually. A calibration certificate will be submitted as part of the AER. Within 3 months of the date of issue of this licence, the licensee will submit a proposal for agreement with the Agency setting out a procedure for the identification of the operating temperature.

5.3.4 Monitoring of Reprocessed Oil shall be carried out as specified in *Schedule G.1: Monitoring of Reprocessed Oil Quality*, of this licence. A log shall be kept by the licensee detailing the results of this monitoring and shall be available for inspection by authorised persons of the Agency at all reasonable times.

5.3.5 Reprocessed Oil shall be sent off site only for reuse if it meets the criteria set out in *Schedule G.2: Reprocessed Oil Quality Standard*, of this licence.

5.4 Battery Handling and Storage

5.4.1 All batteries shall be stored in leak proof and corrosion proof plastic containers pending recovery or disposal, as detailed in Attachment E.4 of the application.

5.4.2 Lead acid batteries and other wet cell batteries (including wet cell nickel cadmium batteries) may be drained of electrolyte prior to storage of the drained cells pending recovery or disposal.

5.4.3 The licensee shall within twelve months of the date of grant of this licence investigate the possibility of neutralising battery electrolyte at the facility. A report on the investigation, including conclusions drawn and recommendations shall be submitted as part of the EMP for the agreement of the Agency.

5.5 Sludge Treatment

5.5.1 The following sludges shall be accepted for recovery on site as specified in Attachment A1 of the application, unless otherwise agreed by the Agency:

(a) Non-hazardous sludges;

(b) Treated sewage sludge;

(c) Wastewater treatment sludge.

5.5.2 Treated sludges sent off-site for recovery and or disposal must meet the criteria set out in EU Council Decision 2003/33/EC and shall be conveyed to licensed landfill unless otherwise agreed by the Agency.

5.6 Soil Treatment

5.6.1 Only contaminated soils as specified in *Schedule A: Waste Acceptance* of the licence shall be accepted at the facility for treatment. Soils contaminated with asbestos and metals are not acceptable at the facility. The following items shall accompany each soil consignment as a minimum:-

(a) EWC Code to describe the soil consignment;

(b) the items identified in the 'Soil Acceptance Procedure' of Attachment E3(B) of the application;

(c) an assessment to determine if the waste is hazardous as specified in the 'Agency Procedure for Identification of the Hazardous Components of Waste – Hazardous Waste Classification Tool';

(d) a conceptual site model description in accordance with British Standard BS10175:2001, to identify the contaminants and their concentrations at the originating site. The parameters for soil testing shall be Mineral Oil, Gasoline

Range Organics, Polycyclic Aromatic Hydrocarbons, BTEX, Metals and Asbestos unless otherwise agreed by the Agency.

5.6.2 All stockpiles shall be maintained so as to minimise dust, leachate, vapour and odour generation.

5.6.3 The soil bioremediation treatment process shall be as specified in Items 8, 9, and 10 of Attachment E.3(b) of the application.

5.6.4 Treated soils sent off-site for recovery and or disposal must meet the criteria set out in EU Council Decision 2003/33/EC and shall be conveyed to licensed landfill unless otherwise agreed by the Agency.

5.7 Operational Controls

5.7.1 No waste shall have a retention time in the facility in excess of six months unless otherwise agreed by the Agency.

5.7.2 Liquid wastes stored or generated at the facility shall be stored in dedicated tanks or containers.

5.7.3 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.

5.7.4 All drums shall be stored on pallets or shelves to a maximum stacking height of three drums within a bunded area in accordance with Condition 3.13. IBCs shall be stored to a maximum stacking height of three containers. During storage, each drum or IBC shall be accessible for identification purposes.

5.7.5 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.

5.7.6 Scavenging shall not be permitted at the facility.

5.7.7 Gates shall be locked shut when the facility is unsupervised.

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

5.7.9 Fuels shall be stored only at appropriately bunded locations on the facility.

5.7.10 All tanks and drums shall be labelled to clearly indicate their contents.

5.7.11 No smoking shall be allowed on the facility (other than in the facility office).

5.7.12 All spillages of liquid waste shall be cleaned up so as to prevent spilled fluid draining to sewer or flowing beyond the boundary of the licensed facility and in any case so as not to adversely affect the environment.

5.8 Off-site Disposal and Recovery

5.8.1 Waste sent off-site for recovery or disposal shall be conveyed only by a waste carrier agreed in advance by the Agency. Any request for such agreement of a waste carrier shall include the following;

i) Copies of the waste carrier's permit(s) under the Waste Management (Collection Permit) Regulations 2001 as applicable.

ii) Details of the waste types it is proposed the carrier will transfer from the facility.

5.8.2 All waste transferred from the facility shall be transferred only to an appropriate facility agreed by the Agency. Any request for agreement of such a facility shall be forwarded to the Agency at least one month in advance of its proposed use and shall include the following:

i) A copy of the waste permit or waste licence where applicable;

ii) The proposed waste types and quantities;

iii) Details of any limitations on waste types and quantities acceptable at the facility.

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

5.9 Maintenance

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

5.9.2 The licensee shall maintain and clearly label and name all sampling and monitoring locations.

5.9.3 The wheel-wash shall be inspected on a daily basis and drained as required. Silt, stones and other accumulated material shall be removed as required from the wheel-wash and disposed of appropriately.

5.9.4 The licensee shall maintain all waste processing equipment and infrastructure in accordance with the manufacturers instructions.

5.10 Landscaping

5.10.1 A proposal for the Landscaping of the facility shall be submitted within 3 months and carried out within 12 months of commencement of waste activities.

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

CONDITION 6 EMISSIONS

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

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

6.3 Emission limits for emissions to atmosphere in this licence shall be interpreted in the following way.

6.3.1 Non-Continuous Monitoring

(i) For any parameter where, due to sampling/analytical limitations, a 30 minute samples is inappropriate, a suitable sampling period should be employed and the value obtained therein shall not exceed the emission limit value.

(ii) For all other parameters, no 30 minute mean value shall exceed the emission limit value.

(iii) For flow, no hourly or daily mean value shall exceed the emission limit value.

6.4 Emissions to Surface Water

6.4.1 The trigger levels for surface water discharges from the facility measured at monitoring point SW01 are:

(a) BOD 25mg/l

(b) COD 250mg/l

(c) Oil Fats & Grease 15mg/l

(d) Suspended Solids 60mg/l.

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

6.5 Dust Emissions

6.5.1 The trigger level for PM10 from the facility measured at any location on the boundary of the facility is:

(a) PM10 greater than 50 μg/m3 for a daily sample.

6.6 There shall be no direct emissions to groundwater.

6.7 There shall be no clearly audible tonal component or impulsive component in the noise emissions from the activity at the noise sensitive locations.

6.8 Disposal of wastewater

6.8.1 All wastewater shall be discharged to sewer.

6.9. Emissions to Sewer

6.9.1. Unless otherwise agreed in advance with the Agency and the Sanitary Authority, the following shall apply for the discharge of wastewater, which shall be via the sewer indicated on Drawing No. At –Wst 2. There shall be no other discharge or emission to sewer of environmental significance.

6.9.2. No substance shall be present in emissions to sewer in such concentrations as would constitute a danger to sewer maintenance personnel working in the sewerage system, or as would be damaging to the fabric of the sewer, or as would interfere with the biological functioning of a downstream wastewater treatment works.

6.9.3. The licensee shall permit authorised persons of the Agency and the Sanitary Authority to inspect, examine and test, at all reasonable times, any works and apparatus installed, in connection with the discharge or emission, and to take samples of the discharge or emission.

6.9.4. No discharge or emission to sewer shall take place, which might give rise to any reaction within the sewer or to the liberation of by-products, which may be of environmental significance.

6.9.5. The licensee shall ensure that the discharge shall not contain dissolved methane, petroleum spirits or organic solvents (including chlorinated organic solvents), at concentrations, which would give rise to flammable or explosive vapours in the sewer.

6.9.6. Non-trade effluent wastewater (e.g. firewater, accidental spillage) which occurs on-site shall not be discharged to the sewer without the prior authorisation of the Sanitary Authority.

6.9.7. The licensee shall provide and maintain an inspection chamber in a suitable position in connection with each pipe through which a discharge or emission is being made. Each such inspection chamber or manhole shall be constructed and maintained by the licensee so as to permit the taking of samples of the discharge.

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

6.9.10 The licensee shall submit monitoring results to the Sanitary Authority on an annual basis.

6.10 Emission limit values for waste water emissions to sewer in this licence shall be interpreted in the following way:-

a) Continuous monitoring

No flow value shall exceed the specified limit;

b) Non-Continuous monitoring

Eight out of ten consecutive results, calculated as daily mean concentration or mass emission values on the basis of flow proportional composite sampling shall exceed 1.2 times the emission limit value; and

c) No grab sample shall exceed 1.2 times the emission limit value.

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

CONDITION 7 NUISANCE CONTROL

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

7.2 The licensee shall ensure that dust, noise and odours do not give rise to nuisance at the facility or the immediate area of the facility. Any method used by the licensee to control any such nuisance shall not cause environmental pollution or contravene any national statutory protection granted in respect of protected species or cause significant interference with amenities or the environment beyond the site boundary.

7.3 The road network at the facility shall be kept free from any debris caused by vehicles entering or leaving the facility. Any such debris or deposited materials shall be removed without delay.

7.4 Litter Control

7.4.1 All loose litter or other waste placed on or in the vicinity of the facility, other than in accordance with the requirements of this licence, shall be removed, subject to the agreement of the landowners, immediately and in any event by 10.00 a.m. of the next working day after such waste is discovered.

7.4.2 The licensee shall ensure that all vehicles delivering waste to and removing waste and materials from the facility are appropriately covered.

7.5 Dust Control

7.5.1 In dry weather, site roads and any other areas used by vehicles shall be sprayed with water as and when required to minimise airborne dust nuisance.

7.6 Prior to exiting the facility, all waste vehicles shall use the wheelwash.

7.7 Noise

7.7.1 Noise from the activity shall not give rise to sound pressure levels (L_{Aeq} 30min) measured at noise sensitive locations which exceed the limit value(s) by more than 2 dB(A).

7.8 Odour Control

7.8.1 The licensee shall undertake an independent odour audit of the facility within three months of the date of commissioning of the sludge drying plant and shall submit to the Agency for its agreement a proposal on the requirement of annual audits.

7.8.2 The licensee shall submit to the Agency a report on the effectiveness of the negative air pressure and emissions control system no later than three months after the installation of the sludge dryer infrastructure, as specified in Condition 3.10.2, and implement any additional measures required within a timescale to be agreed with the Agency.

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

CONDITION 8 MONITORING

8.1 The licensee shall carry out such monitoring and at such locations and frequencies as set out in *Schedule D: Monitoring* of this licence. Unless otherwise specified by this licence, all environmental monitoring shall commence no later than two months after the date of grant of this licence.

8.2 The licensee shall amend the frequency, locations, methods and scope of monitoring as required by this licence only upon the written instruction of the Agency and shall provide such information concerning such amendments as may be requested in writing by the Agency. Such alterations shall be carried out within any timescale nominated by the Agency.

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

8.4 The licensee shall provide safe and permanent access to all on-site sampling and monitoring points and to off-site points as required by the Agency.

8.5 The licensee shall maintain all sampling and monitoring points, and clearly label and name all sampling and monitoring locations, so that they may be used for representative sampling and monitoring.

8.6 The licensee shall install on all emission points such sampling points or equipment, including any data-logging or other electronic communication equipment, as may be required by the Agency. All such equipment shall be consistent with the safe operation of all sampling and monitoring systems.

8.7 All automatic monitors, to include the SCADA control system, and samplers shall be functioning at all times (except during maintenance and calibration) when the activity is being carried on, unless alternative sampling or monitoring has been agreed, in writing, by the Agency for a limited period. In the event of the malfunction of any continuous monitor, the licensee shall contact the Agency as soon as practicable, and alternative sampling and monitoring facilities shall be put in place. Prior written agreement for the use of alternative equipment, other than in emergency situations, shall be obtained from the Agency.

8.8 Nuisance Monitoring

8.8.1 A windsock shall be installed at the facility and wind direction and strength shall be recorded during all nuisance inspections.

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

CONDITION 9 CONTINGENCY ARRANGEMENTS

9.1 In the event of an incident the licensee shall immediately:-

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

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

c) isolate the source of any such emission;

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

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

f) provide a proposal to the Agency for its agreement within one month of the incident occurring to:-

i) identify and put in place measures to avoid reoccurrence of the incident; and

ii) identify and put in place any other appropriate remedial action.

9.2 The Emergency Response Procedure (ERP) for the facility shall be as described in Attachment K (Emergency Preparedness SOP#8, Nov 02). The ERP shall be updated on an annual basis.

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

9.4 Emergencies

9.4.1 In the event of a complete breakdown of equipment or any other occurrence which results in the closure of the 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.

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

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

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

CONDITION 10 RECORDS

10.1 The licensee shall keep the following documents at the facility office:-

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

10.2 The licensee shall maintain a written record for each load of waste arriving at and departing from the facility. The licensee shall record the following:-

a) the date;
b) the name of the carrier (including if appropriate, the waste collection permit details);
c) the vehicle registration number;
d) the name of the producer(s)/collector(s) of the waste as appropriate;
e) the name of the waste facility (if appropriate) from which the load originated including the waste licence or waste permit register number;
f) a description of the waste including the associated EWC codes;
g) the quantity of the waste, recorded in tonnes;
h) the name of the person checking the load;
i) where loads or wastes are removed or rejected, details of the date of occurrence, the types of waste and the facility to which they were removed including the waste licence and waste permit register number of these facilities as appropriate; and
j) where applicable a consignment note number (including transfrontier shipment notification and movement/tracking form numbers, as appropriate).

10.3 Written Records

The following written records shall be maintained by the licensee:-

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

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

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

REASON: *To provide for the keeping of proper records of the operation of the facility.*

CONDITION 11 REPORTS AND NOTIFICATIONS

11.1 Unless otherwise agreed by the Agency, all reports and notifications submitted to the Agency shall:-

a) be sent to the Agency's Headquarters;

b) comprise one original and three copies unless additional copies are required;

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

d) include whatever information as is specified in writing by the Agency;

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

f) be submitted in accordance to the relevant reporting frequencies specified by this licence, such as in *Schedule E: Recording and Reporting to the Agency* of this licence;

g) be accompanied by a written interpretation setting out their significance in the case of all monitoring data; and

h) be transferred electronically to the Agency's computer system if required by the Agency.

11.2 In the event of an incident occurring on the facility, the licensee shall:-

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

b) submit a written record of the incident, including all aspects described in Condition 9.1(a-f), 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/sewer water, notify Laois County Council as soon as practicable and in any case not later than 10:00am on the following working day after such an incident; and

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

11.3 Waste Recovery Reports

Within six months of the date of grant of this licence, a report examining waste recovery options shall be submitted to the Agency for its agreement. This report shall address methods to contribute to the achievement of the recovery targets stated in national and European Union waste policies and shall include the following:-

a) the separation of recyclable materials from the waste;

b) the recovery of metal waste and white goods;

c) the recovery of commercial waste, including cardboard;

d) the recovery of waste oil and metals from oil filter cartridges via very high pressure briquetting, or approved alternative; and

e) other wastes.

11.4 Monitoring Locations

Within three months of the date of grant of this licence, the licensee shall submit to the Agency an appropriately scaled drawing(s) showing all the monitoring locations that are stipulated in this licence. The drawing(s) shall include the reference code of each monitoring point.

11.5 National Reporting

The licensee shall submit data as required for the National Waste Database. Such data shall be in accordance with any relevant guidance issued by the Agency.

11.6 Annual Environmental Report

11.6.1 The licensee shall submit to the Agency for its agreement, by 31st March each year, an Annual Environmental Report (AER).

11.6.2 The AER shall include as a minimum the information specified in *Schedule F: Content of the Annual Environmental Report*, of this licence and shall be prepared in accordance with any relevant written guidance issued by the Agency.

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

CONDITION 12 CHARGES AND FINANCIAL PROVISIONS

12.1 Agency Charges

12.1.1 The licensee shall pay to the Agency an annual contribution of €16,571.18 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 2005 and subsequent years, not later than January 31 of each year, pay to the Agency this amount updated in accordance with changes in the Public Sector Average Earnings Index from the date of the licence to the renewal date. The updated amount shall be notified to the licensee by the Agency. For 2004, the licensee shall pay a pro rata amount from the date of this licence to 31st December. This amount shall be paid to the Agency within one month of the date of grant of this licence.

12.1.2 In the event that the frequency or extent of monitoring or other functions carried out by the Agency needs to be increased the licensee shall contribute such sums as determined by the Agency to defraying its costs.

12.2 Financial Provision for Closure, Restoration and Aftercare

12.2.1 The Environmental Liabilities Risk Assessment (ELRA) for the facility and proposal for Financial Provision shall be as described in Attachment G(B) of the application (ELRA, URS, March 2002).

12.2.2 The licensee shall within three months establish and maintain a fund, or provide a written guarantee for the costs determined under Condition 12.2.1. The type of fund established and means of its release/recovery shall be agreed by the Agency prior to its establishment.

12.2.3 The licensee shall within two weeks of purchase, renewal or revision of the financial provision required under Condition 12.2.1, forward to the Agency written proof of such indemnity.

12.2.4 Unless otherwise agreed any revision to the fund shall be computed using the following formula:

Cost = (ECOST x WPI) + CiCC

Where:

Cost = Revised decommisioning and aftercare cost.

ECOST = Existing decommisioning and aftercare cost.

WPI	=	Appropriate Wholesale Price Index [Capital Goods, Building & Construction (i.e. Materials & Wages) Index], as published by the Central Statistics Office, for the year since last closure calculation/revision.
CiCC	=	Change in compliance costs as a result of change in site conditions, changes in law, regulations, regulatory authority charges, or other significant changes.

12.3 Sanitary Authority Charges

12.3.1 The Sanitary Authority charge of €0.98 per cubic metre of trade effluent discharged shall be paid to the Sanitary Authority directly on a yearly basis, in each February. The licensee shall also defray annual monitoring costs of €4,157.11 incurred by the Sanitary Authority. Sanitary Authority charges will increase from time to time in response to increased costs in providing drainage and monitoring.

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

SCHEDULE A : Waste Acceptance

A.1 Waste Acceptance

Table A.1 Waste Categories and Quantities

WASTE TYPE	MAXIMUM (TONNES PER ANNUM) Note 1
Hazardous	
Waste Oil & Sludges	35,000
The following contaminated soils mentioned in the EWC are only acceptable for the soil remediation process: 17 05 03 – 17 05 08; 19 11 01; 19 11 05; 19 13 01 – 19 13 08; 20 02 02, unless otherwise agreed by the Agency.	40,000
Oil Filters	1,000
Other Hazardous Wastes [Oily Solid Waste, Solvents, Mixed fuels, Antifreeze, Brakefluid, Fluorescent tubes, Aerosol cans, Batteries (except mercury batteries EWC 16 06 03), ELV, Acids and or Bases, WEEE] NOTE 2	5,000
Total Hazardous	***81,000***
Non-Hazardous	
Industrial Sludge, Treated Sewage Sludge, Wastewater Treatment Sludge	20,000
Other non hazardous & non putresible waste	9,000
Total Non-Hazardous	*29,000*
TOTAL	110,000

Note 1: The quantities of the individual waste types may be adjusted, only with the agreement of the Agency, subject to the total waste quantity remaining the same. The tonnage of any individual waste stream accepted on site for processing must be in accordance with documented storage, handling and treatment capacities.

Note 2: Additions to this list must be agreed in advance in writing with the Agency.

SCHEDULE B : Specified Engineering Works

Specified Engineering Works
Installation of Sludge Drying Facility and associated CHP plant, and 50,000L underground storage tank.
Installation of tanks or drum storage infrastructure.
Installation of any new silt traps and oil interceptors.
Installation of waste handling, processing, recycling/recovery infrastructure and installation of increased waste processing capacity.
Construction of a designated storage areas for storage of waste.
Works associated with the Soil Remediation Area.
Modifications to scope of the bioremediation process as specified in Condition 5.6.3.
Any other works notified in writing by the Agency.

SCHEDULE C : Emission Limits

C.1 Noise Emissions: (Measured at the monitoring points indicated in Table D.1.1).

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

C.*2 Dust Deposition Limits:* (Measured at the monitoring points indicated in Table D.1.2).

Level (mg/m^2 /day)[Note 1]
350

Note 1: 30 day composite sample with the results expressed as mg/m^2 /day.

C.3 Surface Water Discharge Limits:

Measured at the monitoring point SW01.

Parameter	Emission Limit Value
Mineral oils	5mg/l for discharges from Class I interceptor to receiving water
Suspended Solids	60 mg/l

C.4 Sewer Emission Limits

Emission Point Reference No.: FS1 as per Drawing No At-Wst2, and Table H10 of the application

Name of Receiving Sewer: Laois County Council Foul Sewer

Location : Yard to rear of Canteen

Volume to be emitted [Note 1]**:** ***Maximum in any one day :*** 40 m^3

Hourly discharge rates (m^3/hr):	***Average***	***Maximum***
0600 to 12 noon	1.25	1.25
12 noon to 1800	1.25	1.875
1800 to 0600	2.08	3.12

Parameter	Emission Limit Value
Parameter	**Emission Limit Value**
Temperature	43°C (max.)
PH	6-8.5
Chemical Oxygen Demand (kg/day)	200
	mg/l
Suspended Solids	400
Sulphates	800
Chlorides	6000
Total Phosphorus (as P)	50
Ammonia	80
Phenols (as C_6H_5OH)	50
Copper	0.5
Zinc	0.5
Lead	0.5
Cadmium	0.05
Fats, Oils & Greases	300

Note 1: Subject to compliance with Condition 6.9.6.

SCHEDULE D : Monitoring

Monitoring to be carried out as specified below.

D.1 Monitoring Locations

Monitoring locations shall be those as set out in Tables D.1.1 & D.1.2 below, and as indicated in Drawing No At-Wst2, Figure 9.1 of the EIS, and Figure 2 Attachment J3 (URS Nov 2002) of the application.

Table D.1.1 Noise, Surface Water and Wastewater Monitoring Locations

NOISE	SURFACE WATER	WASTEWATER	GROUNDWATER
STATIONS	STATIONS	STATIONS	STATIONS
N1	SW01	FS1	BH 101
N2			BH 102
N3			BH 103
N4			BH 104
N5			Three monitoring points established in bedrock aquifer as specified in Condition 3.15.2

Table D.1.2 Emissions to Atmosphere Monitoring Locations

DUST [Note 3]	PM_{10}	BOILER	AIR PRESSURE & EMISSIONS CONTROL SYSTEM
STATIONS	STATIONS	STACK	STATIONS
DP1	Note 1	A 01	Note 2
DP2			
DP3			

Note 1: Locations to be as per dust monitoring locations above.
Note 2: Emission point(s) to be agreed by the Agency in accordance with Condition 3.10.2.
Note 3: Locations to be as per the Article 14(2)(b) reply dated 30 April 2003.

D.2 Dust

Table D.2.1 Dust Monitoring Frequency and Technique

Parameter ($mg/m^2/day$)	Monitoring Frequency	Analysis Method/Technique
Dust	FOUR times a year [Note 2]	Standard Method [Note 1]

Note 1: Standard method VDI2119 (Measurement of Dustfall, Determination of Dustfall using Bergerhoff Instrument (Standard Method) German Engineering Institute). A modification (not included in the standard) which 2 methoxy ethanol may be employed to eliminate interference due to algae growth in the gauge.
Note 2: Twice during the period May to September.

D.3 Noise

Table D.3.1 Noise Monitoring Frequency and Technique

Parameter	Monitoring Frequency	Analysis Method/Technique
$L(A)_{EQ}$ [30 minutes]	Annual	Standard [Note 1]
$L(A)_{10}$ [30 minutes]	Annual	Standard [Note 1]
$L(A)_{90}$ [30 minutes]	Annual	Standard [Note 1]
Frequency Analysis(1/3 Octave band analysis)	Annual	Standard [Note 1]

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

D.4 Surface Water Emissions

Table D.4.1 Surface Water Monitoring Frequency and Techniques

Parameter	Surface Water Monitoring Frequency	Analysis Method/Technique
pH	Weekly	Electrometry
COD	Weekly	Standard Methods[Note 1]
Suspended Solids	Bi-annually	Standard Methods[Note 1]
Mineral Oils	Monthly	Standard Methods[Note 1]

Note 1: "Standards Methods for the Examination of Water and Wastewater", (prepared and published jointly by A.P.H.A., A.W.W.A & W.E.F) 20th Ed., American Public Health Association, 1015 Fifteenth Street, Washington DC 20005, USA.

D.5 Wastewater Emissions

Table D.5.1 Wastewater Monitoring Frequency and Techniques

Parameter	Monitoring Frequency	Analysis Method/Technique[Note 2]
Flow	Continuous	On-line flow meter with recorder
Temperature	Daily	Temperature probe
PH	Daily	pH electrode/meter
Chemical Oxygen Demand	Daily[Note 1]	Standard Method
Suspended Solids	Daily[Note 1]	Gravimetric
Ammonia (as N)	Daily[Note 1]	Standard Method
Sulphates	Weekly[Note 1]	Standard Method
Chlorides	Weekly[Note 1]	Standard Method
Total Phosphorus (as P)	Weekly[Note 1]	Standard Method
Phenols (as C_6H_5OH)	Weekly[Note 1]	Standard Method
Copper	Weekly[Note 1]	Atomic Absorption/ICP
Zinc	Weekly[Note 1]	Atomic Absorption/ICP
Lead	Weekly[Note 1]	Atomic Absorption/ICP
Cadmium	Weekly[Note 1]	Atomic Absorption/ICP
Fats, Oils & Greases	Weekly[Note 1]	Standard Method
Metals Screen[Note 3]	Quarterly	ICP
Respirometry Testing	Bi-annually	To be agreed by the Agency

Note 1: All samples shall be collected on a 24 hour flow proportional composite sampling basis.
Note 2: Or an alternative method to the satisfaction of the Agency.
Note 3: Metals to be screened for to be agreed by the Agency in advance.

D.6 Groundwater

Table D.6.1 Groundwater - Parameters /Frequency

Parameter [Note 1]	GROUNDWATER Monitoring Frequency
Visual Inspection/Odour [Note 2]	Monthly
Groundwater Level [Note 4]	Monthly
Dissolved Oxygen [Note 4]	Annually
Electrical Conductivity [Note 4]	Monthly
pH [Note 4]	Monthly
Temperature [Note 4]	Monthly
Total Alkalinity	Annually
Calcium	Annually
Manganese	Annually
Sulphate	Annually
Cyanide (Total)	Annually
Chloride	Annually
Sodium	Annually
List I/II organic substances [Note 3]	Quarterly
Mineral Oil	Quarterly
BTEX	Quarterly
PAH	Quarterly
Phenols	Quarterly
Arsenic	Quarterly
Cadmium	Quarterly
Copper	Quarterly
Chromium (Total)	Quarterly
Iron	Quarterly
Magnesium	Quarterly
Lead	Quarterly
Mercury	Quarterly
Potassium	Quarterly
Zinc	Quarterly

Note 1: All the analysis shall be carried out by a competent laboratory using standard and internationally accepted procedures.

Note 2: Where there is evident gross contamination of groundwater, additional samples should be analysed.

Note 3: Samples screened for the presence of organic compounds using Gas Chromatography / Mass Spectrometry (GC/MS) or other appropriate techniques and using the list I/II Substances from EU Directive 76/464/EEC and 80/68/EEC as a guideline. Recommended analytical techniques include: volatiles (US Environmental Protection Agency method 524 or equivalent), semi-volatiles (US Environmental Protection Agency method 525 or equivalent), and pesticides (US Environmental Protection Agency method 608 or equivalent).

Note 4: For groundwater and surfacewater these parameters should be measured on-site with a portable electronic meter.

D.7 Meteorological Monitoring

Table D.7.1 Meteorological Monitoring:

Data to be obtained from a location on the facility

Parameter	Monitoring Frequency	Analysis Method/Technique
Precipitation Volume	Daily	Standard
Temperature (min/max.)	Daily	Standard
Wind Force and Direction	Daily	Standard
Evaporation	Monthly [Note 1]	Standard
Evapotranspiration	Monthly [Note 1]	Standard
Humidity	Monthly [Note 1]	Standard
Atmospheric Pressure	Daily [Note 1]	Standard

Note 1: These parameters may be obtained from the nearest Met Station.

D.8 Air

Table D.8.1 Monitoring of Emissions to Atmosphere at A-01

Emission Point Reference No.: A-01

Parameter	Monitoring Frequency	Analysis Method/Technique
Sox	Annually	Flue gas analyser
Nox	Annually	Flue gas analyser
CO	Annually	Flue gas analyser
Combustion Efficiency	Annually	Flue gas analyser

Table D.8.2 Monitoring of Emissions to Atmosphere at A-02

A –02 (Single Exhaust Stack at the Sludge Drying Unit)

Control Parameter	Monitoring Required [Note 2]	Monitoring Equipment	Backup Equipment
VOC	Annually	To be agreed	To be agreed
Ammonia	Weekly	Colorimetric Indicator Tubes [Note 1]	Spare tubes
Hydrogen sulphide	Weekly	Colorimetric Indicator Tubes [Note 1]	Spare tubes
Mercaptans	Weekly	Colorimetric Indicator Tubes [Note 1]	Spare tubes
Amines	Bi-annually	NIOSH method 2010 [Note 1]	
Odour units	Bi-annually	Olfactometric	
Particulates	Bi-annually	Isokinetic/Gravimetric	

Note 1: Or an equivalent method acceptable to the Agency.
Note 2: Records shall be kept at the facility of all monitoring and visual checks.

Table D.8.3 PM_{10} and Odour Monitoring Frequency and Technique

Parameter [Note 1]	Monitoring Frequency	Analysis Method/Technique
PM_{10}(µg/m^3)	Annually	See [Note 2]
Odour [Note 4]	Quarterly [Note 3]	See [Note 3]

Note 1: Meteorological monitoring to be carried out concurrently with all above monitoring.
Note 2: As described in prEN12341 "Air Quality - field test procedure to demonstrate reference equivalence of sampling methods for PM10 fraction of particulate matter" or an alternative agreed in writing by the Agency.
Note 3: Odour measurements shall be by olfactometric measurement and analysis for mercaptans, hydrogen sulphide, ammonia, amines as set out in Table D.8.3.
Note 4: Location for odour sampling to be agreed by the Agency in accordance with Condition 3.10.2.

SCHEDULE E : Recording and Reporting to the Agency

Report	Reporting Frequency [Note1]	Report Submission Date
Annual Environment Report (AER)	Annually	By 31 March annually, commencing 2005.
Environmental Management System Updates	Annually	Annually as part of the AER.
Noise Monitoring	Annually	Annually as part of the AER
PM_{10} Monitoring	Annually	Annually as part of the AER
Odour monitoring	Annually	Annually as part of the AER
Monitoring of Surface Water Quality	Quarterly [Note 2]	Ten days after end of the quarter being reported on.
Monitoring of Groundwater Quality	Quarterly [Note 2]	Ten days after end of the quarter being reported on.
Monitoring of Wastewater	Quarterly [Note 2]	Ten days after end of the quarter being reported on.
Dust Monitoring	Quarterly [Note 2]	Ten days after the end of quarter being reported on.
Monitoring of Emissions to Atmosphere & Air quality	Quarterly [Note 2]	Ten days after end of the quarter being reported on.
Waste quantities received and baling details	Quarterly [Note 2]	Ten days after end of the quarter being reported on.
Specified Engineering Works reports	As they arise	Prior to the works commencing.
Record of incidents	As they occur	Within five days of the incident.
Any other monitoring	As they occur	Within ten days of obtaining results.
Bund, tank and container integrity assessment	Every three years	Six months from the date of grant of licence and one month after end of the three year period being reported on.

Note 1: Unless altered at the request of the Agency.
Note 2: Submitted as one integrated report.

SCHEDULE F : Content of the Annual Environmental Report

Annual Environmental Report Content [Note 1]
Reporting Period.
Waste activities carried out at the facility.
Quantity and Composition of waste recovered, received and disposed of during the reporting period and each previous year (relevant EWC codes to be used).
Summary report on emissions.
Summary of results and interpretations of environmental monitoring, including a location plan of all monitoring locations.
Resource and energy consumption summary.
Development / Infrastructural works in place and planned, to process waste quantities projected for the following year (including plant operating capacity, provision of adequate standby capacity and provision of contingency, backup and spares in the case of breakdown).
Schedule of Environmental Objectives and Targets for the forthcoming year.
Report on the progress towards achievement of the Environmental Objectives and Targets contained in previous year's report.
Full title and a written summary of any procedures developed by the licensee in the year which relates to the facility operation.
Tank, drum, pipeline and bund testing and inspection report.
Boiler Efficiency.
Reported Incidents and Complaints summaries.
Ventilation Capacity & Spares.
Review of Nuisance Controls.
Reports on financial provision made under this licence, management and staffing structure of the facility, and a programme for public information.
Volume of wastewater produced and volume of wastewater transported off-site/ sent to sewer.
Groundwater Contour Plan for all seven monitoring wells for the preceding February and August.
Report on negative Air Pressure & Emission Control System.
Any other items specified by the Agency.

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

SCHEDULE G : Reprocessed Oil Quality

G.1 Monitoring of Reprocessed Oil Quality

Parameter	Limit (mg/kg)
Cadmium	25
Nickel	100
Chromium	50
Vanadium	100
Lead	800
Chlorine	3000
Sulphur	10000
Ash	15000
PCB's	10
Other [Note 1]	

Note 1: Other parameters as may be specified by the Agency.

G.2 Reprocessed Oil Quality Standard

Parameter	Monitoring Frequency[Note 1]	Analysis Method[Note 2]
Cadmium	Per batch release	Atomic Absorption
Nickel	Per batch release	Atomic Absorption
Chromium	Per batch release	Atomic Absorption
Copper	Per batch release	Atomic Absorption
Vanadium	Per batch release	Atomic Absorption
Lead	Per batch release	Atomic Absorption
Chlorine	Per batch release	Standard Method
Fluorine	Per batch release	Standard Method
Sulphur	Per batch release	Standard Method
Ash	Per batch release	Standard Method
Water	Per batch release	Karl Fisher
PCB's	Per batch release	ASTM D4059-96
Other [Note 3]		

Note 1: Any alteration to the Monitoring Frequency specified subject to the prior written agreement of the Agency.
Note 2: Or an alternative method to the satisfaction of the Agency.
Note 3: Other parameters as may be specified by the Agency.

Sealed by the seal of the Agency on this the 16th day of January 2004.

PRESENT when the seal of the Agency was affixed hereto:

Padraic Larkin Director/Authorised Person