



Waste Licence Application Form

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EPA Ref. N^o: <i>(Office use only)</i>	<input type="text"/>
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This document does not purport to be and should not be considered a legal interpretation of the provisions and requirements of the Waste Management Acts 1996 to 2003.

Environmental Protection Agency
P.O.Box 5000, Johnstown Castle Estate, County Wexford
Telephone: 053-60600 Fax: 053-60699



WASTE Application Form

Environmental Protection Agency
Application for a Waste Licence

WASTE MANAGEMENT ACTS 1996 to 2003

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INTRODUCTION

A valid application must contain the information prescribed in the Waste Management (Licensing) Regulations 2004 (SI No. 395 of 2004). **The applicant is strongly advised to read the *Application Guidance Notes for Waste Licensing, available from the EPA.***

The applicant must conform to the format set out in the guidance notes for applications. Each page of the completed application form must be numbered, e.g. *page 5 of 45*, etc. Also duplicated pages from the application form should be uniquely numbered, e.g. page 5(i) of 45, etc. **The basic information should for the most part be supplied in the spaces given in application form** and any supporting documentation should be supplied as attachments, as specified. Consistent measurement units must be used throughout.

The applicant should note that the application form has been structured so that it requires information to be presented in an order of progressive detail.

When it is found necessary, additional information may be provided on supplementary attachments, which should be clearly cross-referenced with the relevant sections in the main document.

While all sections in the application form may not be relevant to the activity concerned, the applicant should look carefully through all aspects of the form and provide the required information, in the greatest possible detail.

All maps/drawings/plans must be no larger than A3 size and scaled appropriately such that they are clearly legible. In exceptional circumstances, where A3 is considered inadequate, a larger size may be requested by the Agency.

Information supplied in this application, including supporting documentation will be put on public display and open to inspection by any person. Should the applicant consider information to be confidential, this information should be submitted in a separate enclosure bearing the legend “ In the event that this information is deemed not to be held as confidential, it must be returned to”. In the event that information is considered to be of a confidential nature, then the nature of this information, and the reasons why it is considered confidential (with reference to the “ Access to Information on the Environment” Regulations) should be stated in the Application Form, where relevant.

It should be noted that it will not be possible to process or determine the application until the required documents have been provided in sufficient detail and to a satisfactory standard.

CHECKLIST

Articles 12 and 13 of the Waste Management (Licensing) Regulations, 2004 (S.I. No. 395 of 2004) set out the information, which must, in all cases, accompany a waste licence application. In order to ensure that the application fully complies with the legal requirements of Articles 12 and 13 of the 2004 Regulations, all applicants should **complete** the following.

In each case, refer to the attachment number(s) of your application which contain(s) the information requested in the appropriate sub-article.

Article 12(1) In the case of an application for a waste licence, the application shall -

- (a) give the name, address and, where applicable, any telephone number and telefax of the applicant (and, if different, the operator of the facility concerned), the address to which correspondence relating to the application should be sent and, if the applicant or operator is a body corporate, the address of its registered office or principal office,

LOCATION	Section B.1	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

- (b) give the name of the planning authority in whose functional area the relevant activity is or will be carried on,

LOCATION	Section B.3	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

- (c) in the case of a discharge of any trade effluent or other matter (other than domestic sewage or storm water) to a sewer of a sanitary authority, give the name of the sanitary authority in which the sewer is vested or by which it is controlled,

LOCATION	Section B.4	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

- (d) give the location or postal address (including where appropriate, the name of the townland or townlands) and the National Grid reference of the facility or premises to which the application relates,

LOCATION	Section B.1	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

- (e) describe the nature of the facility or premises concerned, including the proposed capacity of the facility or premises, and in the case of

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application in respect of a landfill of waste, the requirements specified in Annex 1 of the Landfill Directive,

LOCATION	Attachment A.1	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(f) specify the class or classes of activity concerned, in accordance with the Third and Fourth Schedules of the Act, and in the case of an application in respect of the landfill of waste, specify the class of landfill in accordance with Article 4 of the Landfill Directive,

LOCATION	Attachment B.7	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(g) specify, by reference to the relevant European Waste Catalogue codes as presented by Commission Decision 2000/532/EC of 3 May 2000, the quantity and nature of the waste or wastes which will be treated, recovered or disposed of,

LOCATION	Attachment H.1	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(h) specify the raw and ancillary materials, substances, preparations, fuels and energy which will be utilised in or produced by the activity,

LOCATION	Attachment G.1	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(i) describe the plant, methods, processes, ancillary processes, abatement, recovery and treatment systems and operating procedures for the activity,

LOCATION	Attachment D.2	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(j) provide information for the purpose of enabling the Agency to make a determination in relation to the matters specified in paragraphs (a) to (g) of section 40(4) of the Act,

LOCATION	Attachment L.1	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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(k) give particulars of the source, location, nature, composition, quantity, level and rate of emissions arising from the activity and, where relevant, the period or periods during which such emissions are made or are to be made,

LOCATION	Attachment E.1 – E.6	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(l) give details, and an assessment of the effects, of any existing or proposed emissions on the environment, including any environmental medium other than those into which the emissions are, or are to be made, and of proposed measures to prevent or eliminate or, where that is not practicable, to limit or abate such emissions,

LOCATION	Attachment E.1 – E.6, Attachment F.1-F.9	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(m) identify monitoring and sampling points and indicate proposed arrangements for the monitoring of emissions and the environmental consequences of any such emissions,

LOCATION	Attachment E.1, F.1-F.9	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(n) describe any proposed arrangements for the prevention, minimisation and recovery of waste arising from the activity concerned,

LOCATION	Attachment F.1-F.9, H1-H.3	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(o) describe any proposed arrangements for the off-site treatment or disposal of solid or liquid wastes,

LOCATION	Not Applicable	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(p) describe the existing or proposed measures, including emergency procedures, to prevent unauthorised or unexpected emissions and minimise the impact on the environment of any such emission,

LOCATION	Attachment J	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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(q) describe the proposed measures for the closure, restoration, remediation or aftercare of the facility concerned, after the cessation of the activity in question,

LOCATION	Attachment K	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(r) in the case of an application in respect of the landfilling of waste, give particulars of –

(i) such financial provision as is proposed to be made by the applicant, having regard to the provisions of Articles (7)(i) and (8)(a)(iv) of the Landfill Directive and section 53(1) of the Act, and

LOCATION	Not Applicable	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

(ii) such charges as are proposed or made, having regard to the requirements of section 53A of the Act,

LOCATION	Not Applicable	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

(s) state whether the activity is for the purposes of an establishment to which the European Communities (Control of Major Accident Hazards involving Dangerous Substances) Regulations, 2000 (S.I. No. 476 of 2000) apply,

LOCATION	Attachment B.8	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(t) in the case of an activity which gives rise or could give rise to an emission into an aquifer containing the List I and II substances specified in the Annex to Council Directive 80/68/EEC of 17 December 1979, describe the existing or proposed arrangements necessary to give effect to Articles 3,4,5,6,7,8,9 and 10 of the aforementioned Council Directive,

LOCATION	Attachment A.1., D.2., F.1-F.9.	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

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(u) include a non-technical summary of information provided in relation to the matters specified in paragraphs (a) to (t) of this sub-article,

LOCATION	Attachment A.1., D.2., F.1-F.9.	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

Article 12(4) Without prejudice to Article 13(1) and (2), an application for a licence shall be accompanied by -

(a) a copy of the relevant page of the newspaper(s) in which the notice in accordance with article 6 has been published,

LOCATION	Attachment B.6	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(b) a copy of the text of the notice or notices erected or fixed in accordance with article 7,

LOCATION	Attachment B.6	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(c) where appropriate, a copy of the notice given to a local planning under article 9,

LOCATION	Not Applicable	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

(d) a copy of such plans (appropriately scaled and no larger than A3 size), including a site plan or plans and location map or maps, and such other particulars, reports and supporting documentation as are necessary to identify and describe, as appropriate -
 (i) the position of the notice in accordance with article 7,

LOCATION	Attachment A.1, B.1, B.2.	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(ii) the point or points from which emissions are made or are to be made, and

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LOCATION	Attachment E.1	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(iii) the point or points at which monitoring and sampling are undertaken or are to be undertaken,

LOCATION	Attachment E.1	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

(e) such fee as is appropriate having regard to the provisions of articles 40 and 41.

INCLUDED Y/N	Yes	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

Article 12(5)(a) & (b) An application shall comprise 1 signed original of the application and 2 copies in hardcopy format plus 2 copies of all files in electronic searchable PDF format on CD-Rom.

HARDCOPIES PROVIDED Y/N	Yes	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

CD OF PDF FILES PROVIDED? Y/N	Yes	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

Article 13 Where a development requires an Environmental Impact Assessment to be carried out, 1 signed original and 2 copies in hardcopy format of the environmental impact statement plus 16 copies in electronic searchable PDF format on CD-ROM should accompany this application.

EIA REQUIRED ? Y/N	No	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>
3 HARD COPIES OF EIS INCLUDED ? Y/N	No	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>
16 CD versions of EIS, as PDF files, PROVIDED? Y/N	No	
CHECKED	Applicant <input type="checkbox"/>	Official <input type="checkbox"/>

PROCEDURES

It is recommended that pre-application consultations with the Agency are undertaken before a formal submission of the waste licence application.

The procedure for making and processing of applications for waste licences, and for the processing of reviews of such licences, appear in the Waste Management (Licensing) Regulations 2004 (S.I. No. 395 of 2004) and are summarised below. The application fees that shall accompany an application are listed in the Second Schedule to the Regulations.

Prior to submitting an application the applicant must publish in a local newspaper, and erect on site, a notice of intention to apply. An applicant, other than a local authority in whose functional area the development is located, must also notify the Local Planning Authority, in writing, of their intention to apply.

An application for a licence must be submitted on the appropriate form (available from the Agency) with the correct fee, and should contain relevant supporting documentation as attachments. The application should be based on responses to the form, supporting written text and the appropriate use of tables and drawings. Where point source emissions occur, a system of unique reference numbers should be used to denote each emission point. These should be simple, logical, and traceable throughout the application.

The application form is divided into a number of sections of related information. The purpose of these divisions being to facilitate both the applicant and the Agency in the provision of the information and its assessment. Attachments should be clearly numbered, titled and paginated and must contain the required information as set out in the application form. Additional attachments may be included to supply any further information supporting the application. Any references made should be supported by a bibliography.

All questions should be answered. No waste management facility is exactly the same and hence each application will require different information. It is therefore possible that some of the sections of this application form may not be relevant to the activity concerned. **Where information is requested in the application form, which is not relevant to the application, the words “not applicable” should be clearly written on the form. The abbreviation “N/A” should not be used.**

Additional information may need to be submitted beyond that which is explicitly requested on this form. Any references made should be supported by a bibliography. The Agency may request further information if it considers that its provision is material to the assessment of the application. Advice should be sought from the Agency where there is doubt about the type of information required or the level of detail.

Information supplied in this application, including supporting documentation will be put on public display and be open to inspection by any person. **Should the applicant**

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consider information to be confidential, then the nature of this information, and the reasons why it is considered confidential should be clearly stated in an attachment to the Application Form. This information should be submitted in a separate enclosure bearing the legend “In the event that this information is deemed not to be held as confidential, it must be returned to (representative of the applicant)”.

Applicants should be aware that a contravention of the conditions of a waste licence is an offence under Section 39 of the Waste Management Acts 1996 to 2003.

The provision of information in an application for a waste licence which is false or misleading is an offence under Section 45 of the Waste Management Acts 1996 to 2003.

Note: Drawings. The following guidelines are included to assist applicants:

- All drawings submitted should be titled and dated.
- They should have a **unique reference number** and should be signed by a clearly identifiable person.
- They should indicate a scale and the **direction of north**.
- All drawings should, generally, be to a scale of between 1:20 to 1:500, depending upon the degree of detail needed to be shown and the size of the facility. Drawings delineating the boundary can be to a smaller scale of between 1:1000 to 1:10560, but must clearly and accurately present the required level of detail. Drawings showing the site location can be to a scale of between 1:50 000 to 1:126 720. All drawings should, however, be A3 or less and of an appropriate scale such that they are clearly legible. Provide legends on all drawings and maps as appropriate.

The provision of information in an application for a waste licence, which is false or misleading, is an offence under s45 of the Acts.

SECTION A NON-TECHNICAL SUMMARY

A Non-Technical Summary is to be submitted. The summary should include information on those aspects outlined in the Guidance Note and must comply with the requirements of Article 12 (1) (u) of the Waste Management (Licensing) Regulations, S.I. 395 of 2004.

The Non-Technical Summary should form **Attachment A.1.**

Attachment A.1.

Please see Attachment A.1. for a Non-Technical Summary.

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SECTION B GENERAL**B.1 Applicant's Details****Name*:** RILTA Environmental Ltd. (formerly known as SITA Environmental Ltd.)**Address:** Block 402,
Grant's Drive,
Greenogue Business Park,
Rathcoole, Co. Dublin.**Tel:** 01-4018000**Fax:** 01-4018080**e-mail:** info@rilta.ie

* This should be the name of the applicant, which is current on the date this Waste Licence Application is lodged with the Agency. It should be the name of the legal entity (which can be a limited company or a sole trader). A trading/business name is not acceptable.

Name and Address for Correspondence

Only application documentation submitted by the applicant and by the nominated person will be deemed to have come from the applicant.

Name: Mr. Colm Hussey**Address:** Block 402,
Grant's Drive,
Greenogue Business Park,
Rathcoole, Co. Dublin.**Tel:** 01-4018000**Fax:** 01-4018080**e-mail:** Colm.hussey@rilta.ie**Address of registered or principal office of Body Corporate (if applicable)****Address:** RILTA Environmental Ltd.
One51 Thomas Street
Dublin 8**Tel:** 01-6121200**Fax:** 01-6121321**e-mail:** info@rilta.ie

If the applicant is a body corporate, the following information must be attached as **Attachment B1**:

- a Certified Copy of the Certificate of Incorporation or Memorandum and Article of Association;
- the Company's Registration Number from the Companies Registry Office; and
- a list of the Company Directors.

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State the interest of the applicant in the land, which is subject to the application. The applicant is (please check):

Landowner	<input checked="" type="checkbox"/>
Lessee	<input type="checkbox"/>
Prospective Purchaser	<input type="checkbox"/>
Other (please specify)	<input type="text"/>

Name and address of all occupiers of the land on which the Activity is situated (if different from applicant named above).

Name: _____
 Address: _____

 Tel: _____
 Fax: _____
 e-mail: _____

Name and address of the current* owner(s) and leasees of the land, buildings and ancillary plant on which the activity is or will be situated (if different from applicant named above). An appropriately scaled drawing (≤A3) showing the above details should be included in Attachment B1.

Name: _____
 Address: _____

 Tel: _____
 Fax: _____
 e-mail: _____

*Current at the time the application is submitted

B.2 Location of Activity

Name: RILTA Environmental Ltd.
 Address*: Block 402, Grant's Drive,
 Greenogue Business Park,
 Rathcoole,
 Co. Dublin.
 Tel: 01-4018000
 Fax: 01-4018080
 e-mail: info@rilta.ie

* Include any townland

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National Grid Reference (8 digit 4E,4N)	E301555 N228440
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Location maps ($\leq A3$), appropriately scaled, with legible grid references should be enclosed in **Attachment B.2**. The site boundary must be outlined on the map in colour.

B.3 Planning Authority

Give the name of the planning authority in whose functional area the activity is or will be carried out.

Name: South Dublin County Council

Address: County Hall

Town Centre

Tallaght

Co. Dublin

Tel: 01-4149000

Fax:

Has the Planning Authority received written notification from the applicant of the application to The Environmental Protection Agency for a Waste Licence under Article 9 of the Waste Management (Licensing) Regulations?

Planning Authority notified:	Yes <input type="checkbox"/>
	No <input checked="" type="checkbox"/>

Planning Permission relating to this application: -

<i>has been obtained</i>	<input type="checkbox"/>
<i>is being processed</i>	<input type="checkbox"/>
<i>is not yet applied for</i>	<input type="checkbox"/>
<i>is not required</i>	<input checked="" type="checkbox"/>

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Local Authority Planning File Reference N^o:	
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Attachment B.3 should contain *the most recent* planning permission, including a copy of *all* conditions, and the required copies of any EIS should also be enclosed. For existing activities, **Attachment B.3** should also contain copies of the most recent waste licence and any permits in force at the time of submission. Where planning permission is not required for the development, provide reasons, relevant correspondence, *etc.*

B.4 Sanitary Authority

In the case of a discharge of any trade effluent or other matter (other than domestic sewage or storm water) to a sewer of a sanitary authority or other body, give the name of the sanitary authority in which the sewer is vested or by which it is controlled and the waste water treatment plant (if any) to which the sewer discharges.

Name: Environmental Services Department
Address: South Dublin County Council
County Hall
Town Centre
Tallaght
Tel: 01-4149000
Fax:

The applicant must enclose, as **Attachment B.4**, a copy of any effluent discharge licence and/or agreement between the applicant and the body with responsibility for the sewer.

B.5 Other Authorities

The applicant should tick the appropriate box below to identify whether the activity is located within the Shannon Free Airport Development Company (SFADCo.) area.

Within SFADCo. Area	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
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The applicant should indicate the **Health Board Region** where the activity is or will be located.

Name: Dublin Mid Leinster Health Board
Address: Dublin South West Local Health Office,
Old County Road, Crumlin,
Dublin 12
Tel: 01 415 4700
Fax:

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B.6 Notices and Advertisements

Articles 6 and 7 of the Waste Management (Licensing) Regulations 2004 requires all applicants to advertise the application in a newspaper and by way of a site notice. See *Guidance Note*.

Attachment B.6 should contain a copy of the site notice and an appropriately scaled drawing ($\leq A3$) showing its location on site. **The original application must include the complete newspaper in which the advertisement was placed.** The relevant page of the newspaper containing the advertisement should be included with the original and three copies of the application.

B.7 Type of Waste Activity, Tonnages & Fees

B.7.1 Specify the class or classes of activity in Table B.7.1, in accordance with the Third Schedule or Fourth Schedule to the Waste Management Acts 1996 to 2003, to which the application relates (check the relevant box(es) and mark the principal activity with a 'P').

Attachment B.7 should identify the principle activity and include a brief technical description of each of the other activities specified. **There can only be one principal activity.**

TABLE B.7.1 THIRD AND FOURTH SCHEDULES OF THE WASTE MANAGEMENT ACTS 1996 TO 2003

Waste Management Acts 1996 to 2003			
THIRD SCHEDULE Waste Disposal Activities	Y/N	FOURTH SCHEDULE Waste Recovery Activities	Y/N
1. Deposit on, in or under land (including landfill).		1. Solvent reclamation or regeneration.	
2. Land treatment, including biodegradation of liquid or sludge discards in soils.		2. Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes).	√
3. Deep injection of the soil, including injection of pumpable discards into wells, salt domes or naturally occurring repositories.		3. Recycling or reclamation of metals and metal compounds.	√
4. Surface impoundment, including placement of liquid or sludge discards into pits, ponds or lagoons.		4. Recycling or reclamation of other inorganic materials.	√
5. Specially engineered landfill, including placement into lined discrete cells which are capped and isolated from one another and the environment.		5. Regeneration of acids or bases.	
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 5 or paragraphs 7 to 10 of this Schedule.		6. Recovery of components used for pollution abatement.	√
7. Physico-chemical treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 5 or paragraphs 8 to 10 of this Schedule (including evaporation, drying and calcination).	√	7. Recovery of components from catalysts.	
8. Incineration on land or at sea.		8. Oil re-refining or other re-uses of oil.	√
9. Permanent storage, including emplacement of containers in a mine.		9. Use of any waste principally as a fuel or other means to generate energy.	
10. Release of waste into a water body (including a seabed insertion).		10. The treatment of any waste on land with a consequential benefit for an agricultural activity or ecological system.	
11. Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.	√	11. Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.	
12. Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.	√	12. Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.	
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.	√	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.	P

TABLE B.7.2 MAXIMUM ANNUAL TONNAGE

The maximum annual tonnage of waste to be handled at the site should be indicated and the year to which the quantity relates indicated.

Maximum Annual Tonnage (tpa)	111,000
Year	Per annum up to 2032 (25 years)

B.7.3 FEES

State each class of activity for which a fee is being submitted as per Part I of the Second Schedule of the Waste Management (Licensing) Regulations 2004, S.I. No. 395 of 2004. Note: two fees are required if disposal and recovery are to occur.

Waste Activity	Fee (in €)
Recovery of Waste (4)	6,000
Total:	€6,000

TABLE B.7.4 (FOR A LANDFILL APPLICATION)

STATE WHICH OF THE FOLLOWING IS RELEVANT TO THE CURRENT APPLICATION.

(a) landfill for hazardous waste	<input type="checkbox"/>
(b) landfill for non-hazardous waste	<input type="checkbox"/>
(c) landfill for inert waste	<input type="checkbox"/>

B.8 SEVESO II DIRECTIVE

State whether the activity is for the purposes of an establishment to which the European Communities (Control of Major Accident Hazards involving Dangerous substances) Regulations, 2000 (S.I. No. 476 of 2000), apply.

Regulations Apply	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
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If yes, **Attachment B.8** should include the relevant details. Supporting information, as well as copies of any Hazardous Operation Studies (HAZOP) carried out for the site, should also be included in the attachment.

SECTION C MANAGEMENT OF THE FACILITY

Advice on completing this section is provided in the *Guidance Note*.

C.1 Technical Competence and Site Management

This information should form **Attachment C 1**.

Details of the applicant’s experience and qualifications, along with that of other relevant employees, should be summarised as shown below. Statements of duties, responsibilities, experience and qualifications should be submitted for each position named below. Additional information, including the management structure and an organisational chart, should be included in **Attachment C 1**.

Name	Position	Duties and Responsibilities	Experience /Qualifications
Mr. Nicholas Beale	Managing Director	Overall responsibility for the running of the company.	Mr. Beale has a degree in Engineering. Additional info. in Attachment C.1.
Mr. Eftim Ivanoff	Operations Director	Overall responsibility for the day to day operations of the company.	Mr. Ivanoff has a degree in Engineering and has two years experience working with RILTA.
Mr. Colm Hussey	Facility Manager	Day to day operation of site activities, environmental management and ISO.	Mr. Hussey has a degree in Geology and an MSc. in Environmental Geochemistry. Additional info. in Attachment C.1.
Mr. Colin Moore	Site Supervisor	Day to day running of the treatment, brokerage and soil divisions.	Mr. Moore has 17 years experience in waste management. Additional info. in Attachment C.1.

C.2 Environmental Management System

Attachment C 2 should contain the Environmental Management System (EMS) details required.

C.3 Hours of Operation

Attachment C 3 should contain details of hours of operation for the waste facility, civic waste facilities and other facilities.

- (a) Proposed hours of operation.
- (b) Proposed hours of waste acceptance/handling.
- (c) Proposed hours of any construction and development works at the facility and timeframes (required for landfill facilities).
- (d) Any other relevant hours of operation expected.



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C.4 Conditioning Plan

Address as **Attachment C 4**, in the case of a LANDFILL Application, and only for the review of a Landfill Waste Licence.

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SECTION D INFRASTRUCTURE & OPERATION

D.1 Infrastructure

Complete the following table detailing the site infrastructure. **Attachment D 1** should contain the appropriate documentation. Information provided should follow the sequence, and use the headings, established in Table D.1. Additional advice on completing this section is provided in the application *Guidance Note*.

Table D.1. Infrastructure		y/n	Comments
D.1.a	Site security arrangements including gates and fencing	y	No Change from previous Waste Licence Review - 192-02
D.1.b	Designs for site roads	n	Not applicable
D.1.c	Design of hardstanding areas	y	No Change from previous Waste Licence Review - 192-02
D.1.d	Plant	y	Refer to Drawing No. 4709/1102
D.1.e	Wheel-wash	n	Not applicable
D.1.f	Laboratory facilities	y	No Change from previous Waste Licence Review - 192-02
D.1.g	Design and location of fuel storage areas	y	No Change from previous Waste Licence Review - 192-02
D.1.h	Waste quarantine areas	y	No Change from previous Waste Licence Review - 192-02
D.1.i	Waste inspection areas	y	No Change from previous Waste Licence Review - 192-02
D.1.j	Traffic control	y	No Change from previous Waste Licence Review - 192-02
D.1.k	Sewerage and surface water drainage infrastructure	y	Refer to Drawing No. 4709/1106

D.1.l	All other services	y	No Change from previous Waste Licence Review - 192-02
D.1.n	Plant sheds, garages and equipment compound	y	No Change from previous Waste Licence Review - 192-02
D.1.n	Site accommodation	y	No Change from previous Waste Licence Review - 192-02
D.1.o	A fire control system, including water supply	y	Refer to Drawing No. 4709/1106
D.1.p	Civic amenity facilities	n	Not applicable
D.1.q	Any other waste recovery infrastructure	y	Refer to Drawing No. 4709/1102
D.1.r	Composting infrastructure	n	Not applicable
D.1.s	Construction and Demolition waste infrastructure	n	Not applicable
D.1.t	Incineration infrastructure (if applicable). Provide information to fulfil Article 4 (2) & (3) of the Incineration of Waste Directive	n	Not applicable
D.1.u	Any other infrastructure	n	Not applicable

D.2 Facility Operation

In **Attachment D 2** describe the plant, methods, processes and operations of the waste facility, as required by the *Guidance Note*.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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LANDFILLS

The following Sections D3 to D7 should only be completed for Landfill Applications. Reference should be made to the Agency landfill manual 'Landfill Site Design (2000)' when completing this section.

D.3 Liner System

Complete the following table regarding the liner system to be used for the landfill/landfill extension and detail the information requested as **Attachment D.3**. *Items D3c to D3g should only be completed for immediate projects only (ie Years*

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1 & 2). A schedule of Liner construction activities for the medium to long term need only be listed in item D3a below, since Condition 3 of any licences granted will provide reporting requirements for any future projects.

TABLE D.3 LINER SYSTEM

		y/n	Comments
D.3.a	Provide information to fulfil Annex 1 of the Landfill Directive		
D.3.b	What type of liner system is specified?		
D.3.c	Has a Quality Control Plan been specified?		
D.3.d	Has a Quality Assurance Plan been specified?		
D.3.e	Have independent, third-party supervision, testing and controls been specified?		
D.3.f	Have basal gradients for all cells and access ramps to the cells been designed?		
D.3.g	Has a leak detection survey been specified?		

D.4 Leachate Management

Complete the following table detailing leachate management arrangements. Further information should be included in **Attachment D.4**.

TABLE D.4.1 LEACHATE MANAGEMENT ARRANGEMENTS

		y/n	Comments
D.4.a	Is there a Leachate Management Plan?		
D.4.b	Have annual quantities of leachate been calculated?		
D.4.c	Has the total quantity of leachate been calculated?		
D.4.d	Have the size of the cells been specified taking account of the water balance calculations?		
D.4.e	Has a leachate collection system been specified?		
D.4.f	Has a leachate storage system been specified?		
D.4.g	Has a system for monitoring the level of leachate in the waste been designed?		

D.4.h	Is leachate recirculation proposed/practised?		
D.4.i	Has leachate treatment on-site been specified?		
D.4.j	Has leachate removal been specified?		

D 5 Landfill Gas Management

All landfill sites should have suitable arrangements for the management of landfill gas. **Attachment D.5** should contain the appropriate documentation. Information provided should follow the sequence, and use the headings, established in Table D.5. **Items D5g to D5m should only be completed for immediate or current gas collection projects only (ie Years 1 & 2).** A schedule of gas management aspects for the medium to long term need only be listed in item D5f below, since Condition 3 of any proposed decision/licence will provide reporting requirements for any future projects.

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Table D.5. Landfill Gas Management

		y/n	Comments
D.5a	<p>Is there a Landfill Gas Management Plan?</p> <p>Provide estimates of the volumes of landfill gas which will be produced by the waste disposed of in the site for the next 20 years, and compare to the EPER list for methane:</p>		
D.5b	Is there a passive venting system?		
D.5c	Does the passive system cover all of the filled area?		
D.5d	Have gas alarm systems been installed in the site buildings?		
D.5e	Have measures been installed to prevent landfill gas migration (e.g. barriers)?		
D.5f	Has a time-scale been proposed for the installation of landfill gas infrastructure?		
D.5g	Is gas flaring undertaken at the site?		
D.5h	Is there an active (i.e., pumped) landfill gas extraction system?		
D.5i	Does the active system cover all of the filled area?		
D.5j	Is landfill gas used to generate energy at the site?		
D.5k	Have emissions from the flarestack and utilisation plant been assessed for source, composition, quantity and level and rate?		
D.5l	Has a maintenance programme for the control system been specified?		
D.5m	Has a condensate removal system been designed?		

D.6 Capping System

Complete the following table detailing the design of the capping system. **Attachment D.6** should contain the appropriate documentation. **Items D6e to D6k should be completed for immediate projects only (ie Years 1 & 2).** Condition 10 of any proposed decision/licence will provide reporting requirements for capping requirements beyond this timeframe.

Table D.6 Capping System

		y/n	Comments
D.6a	Has the daily cover been specified?		
D.6b	Has the intermediate cover been specified?		
D.6c	Has the temporary capping been specified?		
D.6d	Has the Capping System been designed and does it meet the requirements of the Landfill Directive Annex 1 (3.3)?		
D.6e	Does the Capping System include a flexible membrane liner?		
D.6f	Have all capping materials been specified?		
D.6g	Has a Method Statement for construction been produced?		
D.6h	Has a Quality Control Plan been produced?		
D.6i	Has a Quality Assurance Plan been produced?		
D.6j	Has a programme for monitoring landfill stability been developed?		
D.6k	Has a programme for monitoring landfill settlement been developed?		

SECTION E EMISSIONS

Give particulars of the source, location, nature, composition, quantity, level and rate of emissions arising from the activity and, where relevant, the period or periods during which such emissions are made or are to be made.

The applicant should address in particular any emission point where the substances listed in the Schedule of S.I. 394 of 2004 are emitted.

E.1 Emissions to Atmosphere

See Tables in Section E of Annex 1.

E.2 Emissions to Surface Waters

Attachment E.2 Tables E.2(i) and E.2(ii) should be completed where relevant.

E.3 Emissions to Sewer

Attachment E.3 Tables E.3(i) and E.3(ii) should be completed, where relevant.

E.4 Emissions to Groundwater

Describe the existing or proposed arrangements necessary to give effect to Articles 3,4,5,6, and 7 of Council Directive 80/68/EEC of 17 December 1979 on the protection of groundwater against pollution by certain dangerous substances.

Table E.4(i) should be completed, as relevant, for each source.

There are no emissions to groundwater at RILTA Environmental Ltd., Greenogue.

E.5 Noise Emissions

Give particulars of the source, location, nature, level, and the period or periods during which the noise emissions are made or are to be made.

Table E.5(i) should be completed, as relevant, for each source.

Supporting information should form **Attachment E.5**

E.6 Environmental Nuisances

Attachment E.6 should contain the appropriate documentation. Information provided should follow the sequence, and use the headings as relevant established in Table D.6. Additional advice on completing this section is provided in the *Guidance Note*.



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TABLE E.6 ENVIRONMENTAL NUISANCES

Bird Control	Control method specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
	Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Dust Control	Control method specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
	Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Fire Control	Control method specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
	Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Litter Control	Control method specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
	Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Traffic Control	Control method specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
	Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Vermin Control	Control method specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
	Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Road Cleansing	Control method specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
	Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>

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SECTION F CONTROL & MONITORING

F.1: Treatment, Abatement and Control Systems

Describe the proposed technology and other techniques for preventing or, where this is not possible, reducing emissions from the installation/facility. Details of treatment/abatement systems (air and effluent emissions) should be included, together with appropriately scaled schematics ($\leq A3$) as appropriate.

For each Emission Point identified complete Table F.1 of the Annex, and include detailed descriptions and appropriately scaled schematics ($\leq A3$) of all abatement systems.

Attachment F.1 should contain any supporting information.

F.2- F. 9. Monitoring and Sampling Points

Programmes for environmental monitoring should be submitted as part of the application. These programmes should be provided as Attachments F.2 to F.6 and meet the advice published by the Agency in the relevant BAT Note. For Landfills the additional Attachments F.7 to F.8 should be completed. Furthermore for a landfill application the applicant must refer to the Agency *Landfill Monitoring Manual (2003)* for further details on monitoring requirements for proposed facilities.

Include details of monitoring/sampling locations and methods.

F.2 Air
- to include Dust, Odour

Monitoring Arrangements specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Monitoring points identified, (plus 12-figure grid references)	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>

F.3 Surface Water

Monitoring of surface water shall be carried out at not less than two points, one upstream from the waste facility and one downstream.

Monitoring Arrangements specified	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Monitoring points identified, (plus 12-figure grid references)	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>



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F.4 Sewer Discharge

Monitoring of sewer discharge shall be carried out at the point specified by the local authority/Agency.

Table with 3 rows: Monitoring Arrangements specified, Monitoring points identified, Attachment included. Columns: yes, no, not applicable. All 'yes' boxes are checked.

F.5 Groundwater

Groundwater monitoring is required at all landfill facilities; and certain other waste facilities depending on waste activities and the underlying aquifer vulnerability.

Table with 3 rows: Monitoring Arrangements specified, Monitoring points identified, Attachment included. Columns: yes, no, not applicable. All 'yes' boxes are checked.

F.6 Noise

Table with 3 rows: Monitoring Arrangements specified, Monitoring points identified, Attachment included. Columns: yes, no, not applicable. All 'yes' boxes are checked.

F.7 Meteorological Data

Table with 3 rows: Monitoring Arrangements specified, Monitoring points identified, Attachment included. Columns: yes, no, not applicable. All 'not applicable' boxes are checked.

Application for Landfills require the additional Attachments F.7 to F.8, to be completed:

F.8 Leachate

Table with 3 rows: Monitoring Arrangements specified, Monitoring points identified, Attachment included. Columns: yes, no, not applicable. All 'not applicable' boxes are checked.



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F.9 Landfill Gas

Complete each of the following tables to show whether information has been included on aspects of landfill gas monitoring. **Attachment F.9** should also contain information to show whether the data given in Tables F.9.(a) and F.9(b) below represents actual or anticipated data. Complete Table F.9 as follows:

Table F.9 (a) Landfill Gas Monitoring for existing landfill gas flares / utilisation plants

Parameter	Concentration (mg/Nm ³)	Proposed Frequency of Analysis	Information Included Y/N	Method of Analysis	Information Included Y/N
Inlet					
Methane (CH ₄) % v/v					
Carbon dioxide (CO ₂) % v/v					
Oxygen (O ₂) % v/v					
Outlet					
Volumetric Flow Rate					
SO ₂					
Nox					
CO					
Particulates					
TA Luft Class I, II, III organics					
Hydrochloric acid					
Hydrogen Fluoride					

Table F.9(b) Landfill Gas Monitoring

Parameter	Proposed Frequency of Analysis		Information Included Y/N	Method of Analysis	Information Included Y/N
	Gas boreholes / vents/ wells/ perimeter locations	Facility Office			
Methane (CH ₄) % v/v					
Carbon Dioxide (CO ₂) % v/v					
Oxygen (O ₂) % v/v					
Atmospheric Pressure					
Temperature					

Table F.9 (c) Landfill Gas Infrastructure

Equipment	Monitoring Frequency	Information Included Y/N	Monitoring Action	Information Included Y/N
Gas Collection System				
Gas Control System				

Monitoring Arrangements specified	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Monitoring points identified, (plus 12-figure grid references)	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
Attachment included	yes <input type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>

SECTION G RESOURCES USE & ENERGY EFFICIENCY

G.1 Raw Materials, Substances, Preparations and Energy

Attachment G.1 should contain a list of all raw, product and ancillary materials, substances, preparations, fuels and energy which will be utilised in or produced by the activity. Information on any insecticides, herbicides or rat poisons etc. should also be provided with their respective data and safety sheets. The Standard Forms, provided in Annex 1, should be used in the description of these materials, substances, etc., where relevant. Additional advice on completing this section is provided in the *Guidance Note*.

Attachment included	yes <input checked="" type="checkbox"/> no <input type="checkbox"/> not applicable <input type="checkbox"/>
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G.2 Energy Efficiency

A description of the energy used in or generated by the activity must be provided in **Attachment G.2**.

Attachment included	yes <input checked="" type="checkbox"/> no <input type="checkbox"/> not applicable <input type="checkbox"/>
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SECTION H MATERIALS HANDLING

H.1 Waste Types and Quantities – Existing & Proposed

Provide an estimation of the quantity of waste likely to be handled in relation to each class of activity applied for. This information should be included in Table H.1(a).

TABLE H.1(A). QUANTITIES OF WASTE IN RELATION TO EACH CLASS OF ACTIVITY APPLIED FOR

Waste Management Act 3rd Schedule (Disposal) Activities		Waste Management Act 4th Schedule (Recovery) Activities	
Class of Activity Applied For	Quantity (tpa)	Class of Activity Applied For	Quantity (tpa)
Class 1		Class 1	
Class 2		Class 2	1,000
Class 3		Class 3	2,000
Class 4		Class 4	2,000
Class 5		Class 5	
Class 6		Class 6	2,000
Class 7	25,000	Class 7	
Class 8		Class 8	9,000
Class 9		Class 9	
Class 10		Class 10	
Class 11	1,000	Class 11	
Class 12	7,000	Class 12	
Class 13	10,000	Class 13	58,000

In Table H. 1 (B) provide the annual amount of waste handled/to be handled at the facility. Additional information should be included in **Attachment H.1**. The tonnage per annum should be given of that expected for the life of the licence, with at least the next five years tonnages provided. For Landfill Review applications provide an estimate of the quantity of waste already deposited in (i) lined cells; (ii) unlined cells.

TABLE H.1(B) ANNUAL QUANTITIES AND NATURE OF WASTE

Year	Non-hazardous waste (tonnes per annum)	Hazardous waste (tonnes per annum)	Total annual quantity of waste (tonnes per annum)
2007-2032	5000(commercial)	106,000	111,000



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A detailed inventory of the types and quantities of wastes currently handled at the site and proposed to be handled should be submitted as Table H.1 (C).

TABLE H.1 (C) WASTE TYPES AND QUANTITIES

WASTE TYPE	TONNES PER ANNUM (existing)	TONNES PER ANNUM (proposed)	TOTAL (over life of site) tonnes
Commercial Waste	500		12500
Construction and Demolition Waste	500		12500
Industrial Sludges	1000		25000
Other Industrial Waste	3000		75000
Hazardous Waste *(Specify detail in Table H 1.2)	106,000		2,650,000
Inert Waste imported for restoration purposes			

COMPLETE FOR LANDFILL & CONTAMINATED LAND FACILITIES ONLY

* TABLE H.1.2 HAZARDOUS WASTE TYPES AND QUANTITIES

HAZARDOUS WASTE	DETAILED DESCRIPTION * REFERENCE SHOULD BE MADE TO THE RELEVANT EUROPEAN WASTE CATALOGUE CODES AS PRESENTED BY COMMISSION DECISION 2000/532/EC	Tonnes Per Annum (Existing)	Tonnes Per Annum (Proposed)
Waste Oil	20 01 26 xx xx	6,810	See Attachment H.1
Oil filters	16 01 07	5.0	See Attachment H.1
Asbestos	17 06 01/ 17 06 05	3,400.4	See Attachment H.1
Paint and Ink	08 01 11/ 08 01 13/ 08 01 99/ 08 03 07/ 08 03 12	739.2	See Attachment H.1
Batteries	10 06 06/ 16 06 04	3.32	See Attachment H.1
Fluorescent Light Bulbs	20 01 21*	0.35	See Attachment H.1
Contaminated Soils	17 05 03	34,451	See Attachment H.1
OTHER HAZARDOUS WASTE (APPLICANT TO SPECIFY)			
See Attachment H.1			

Attachment H.1 should contain any relevant additional information. See Attachment H.1

It should be noted that an applicant may be issued with a licence which restricts the type of wastes which may be deposited.

H.2 Waste Acceptance Procedures

Procedures for checking waste loads as they arrive at the facility must be included. These should follow the requirements of the Agency's Waste Acceptance Manual. A copy of these procedures and other associated documentation should be included as **Attachment H.2.**

H.3 Waste Handling

Waste handling and the operating procedures used at the facility including waste treatment processes should be described in **Attachment H.3.** Included in the attachment should be information on the plant used on site and on the methods and processes for handling waste on-site. Special requirements hold for contaminated soil facilities, see *Guidance Note.*

In addition, an application for a Landfill requires Section H.3.a to be completed:

H.3a Waste Handling at the Landfill Facility

State whether all waste will be subject to treatment prior to landfilling. Provide information as to the quantities of biodegradable municipal waste and how the targets of the Landfill Directive (1999/31/EC) relating to that waste type are to be achieved. In particular describe how the following will be achieved:

- (a) a reduction by 16/07/06 to 75% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available;
- (b) a reduction by 16/07/09 to 50% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available;
- (c) a reduction by 16/07/16 to 35% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available;
- (d) Evidence should be provided to show that energy will be used efficiently.

H.4 Waste Arisings

Waste Arisings should be considered for all contaminated soil applications. Details of all waste materials generated on the site including, name, description and nature as well as the source(s) should be identified. The quantities of each type of waste generated on an annual/monthly basis should be calculated and stated in Tables H.1(i) and H. 1(ii) of the application form. Applicants should also provide conversion factors used to relate volume (m³) and tonnage (t) for their waste stream.

H.4 : Refer to **Attachment H.4.**

SECTION I EXISTING ENVIRONMENT & IMPACT OF THE FACILITY

Detailed information is required to enable the Agency to assess the existing environment. This section requires the provision of information on the ambient environmental conditions at the site prior to the commencement of waste management activities or prior to the receipt of a review application.

Where development is proposed to be carried out, being development which is of a class for the time being specified under Article 24 (First Schedule) of the Environmental Impact Assessment Regulations, the information on the state of the existing environment should be addressed in the EIS. **In such cases, it will suffice for the purposes of this section to provide adequate cross-references to the relevant sections in the EIS.**

I.1. Assessment of atmospheric emissions

Describe the existing environment in terms of air quality with particular reference to ambient air quality standards.

Provide a statement whether or not emissions of main polluting substances (as defined in the Schedule of S.I. 394 of 2004) to the atmosphere are likely to impair the environment.

Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Attachment I.1 should also contain full details of any dispersion modelling of atmospheric emissions from the activity, where required.

I.2. Assessment of Impact on Receiving Surface Water

Describe the existing environment in terms of water quality with particular reference to environmental quality standards or other legislative standards. Table I.2(i) should be completed

Provide a statement whether or not emissions of main polluting substances (as defined in the Schedule of S.I. 394 of 2004) to water are likely to impair the environment.

Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.



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Full details of the assessment and any other relevant information on the receiving environment should be submitted as **Attachment I.2.**

I.3. Assessment of Impact of Sewage Discharge.

Give summary details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Full details of the assessment and any other supporting information should form **Attachment I.3.**

I.4 Assessment of impact of ground/groundwater emissions

The scope and detail of this assessment will depend to a large extent on the extent and type of ground emissions at any site, which in turn are related to the risk. Details should be included in **Attachment I.4.** Comprehensive guidelines are contained in the *Application Guidance Note*, and include particular requirements for landfill and brownfield facilities.

Describe the existing groundwater quality. Tables I.4(i) should be completed.

I.5 Ground and/or groundwater contamination

Summary details of known ground and/or groundwater contamination, historical or current, on or under the site must be given.

Full details including all relevant investigative studies, assessments, or reports, monitoring results, location and design of monitoring installations, appropriately scaled plans/drawings ($\leq A3$), documentation, including containment engineering, remedial works, and any other supporting information should be included in **Attachment I.5.**

I.6 Noise Impact.

Give details and an assessment of the impacts of any existing or proposed emissions on the environment, including environmental media other than those into which the emissions are to be made.

Ambient noise measurements

Complete Table I.6(i) in relation to the information required below:

- (i) State the maximum Sound Pressure Levels which will be experienced at typical points on the boundary of the operation. (State sampling interval and duration)



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- (ii) State the maximum Sound Pressure Levels which will be experienced at typical noise sensitive locations, outside the boundary of the operation.
- (iii) Give details of the background noise levels experienced at the site in the absence of noise from this operation.

Prediction models, appropriately scaled maps ($\leq A3$), diagrams and supporting documents, including details of noise attenuation and noise proposed control measures to be employed, should form **Attachment I.6**.

I.7 Assessment of Ecological Impacts & Mitigation Measures

The ecology of the site and the surrounding area should be assessed in the vicinity of the largescale waste facilities such as landfill or incinerator developments. An assessment of the ecology should form **Attachment I.7**. Comprehensive guidelines are contained in the *Application Guidance Note*

SECTION J ACCIDENT PREVENTION & EMERGENCY RESPONSE

Describe the existing or proposed measures, including emergency procedures, to minimise the impact on the environment of an accidental emission or spillage.

Also outline what provisions have been made for response to emergency situations outside of normal working hours, i.e. during night-time, weekends and holiday periods.

Describe the arrangements for abnormal operating conditions including start-up, leaks, malfunctions or momentary stoppages.

Supporting information should form **Attachment J**.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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SECTION K REMEDIATION, DECOMMISSIONING, RESTORATION AND AFTERCARE

Describe the existing or proposed measures to minimise the impact on the environment after the activity or part of the activity ceases operation, including provision for post-closure care of any potentially polluting residuals.

For Landfill Applications, capping proposals are required, and reference should be made to the *Landfill Manual on 'Restoration and Aftercare'* published by the Agency, when completing this section.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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SECTION L STATUTORY REQUIREMENTS

L.1 Section 40(4) WMA

Indicate how all the requirements of Section 40(4)[(a) to (d)] of the Waste Management Acts 1996 to 2003 will be met.

Applicants should also describe how the proposed facility will comply with the requirements of BAT. In particular reference should be made to the considerations referred to in Annex IV of Council Directive 96/61/EC concerning integrated pollution prevention and control.

Attachment L.1 should contain the documentation requested above, along any relevant additional information.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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L.2 Fit and Proper Person

The WMA in Section 40(4)(d) specifies that the Agency shall not grant a licence unless it is satisfied that the applicant (if the applicant is not a local authority) is a fit and proper person. Section 40(7) of the WMA specifies the information required to enable a determination to be made by the Agency.

- Indicate whether the applicant or other relevant person has been convicted under the Waste Management Acts 1996 to 2003, the EPA Act 1992 and 2003, the Local Government (Water Pollution) Acts 1977 and 1990 or the Air Pollution Act 1987.



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- Provide details of the applicant’s technical knowledge and/or qualifications, along with that of other relevant employees (Link to Section C.1 of the application).
- Provide information to show that the person is likely to be in a position to meet any financial commitments or liabilities that may have been or will be entered into or incurred in carrying on the activity to which the application relates or in consequence of ceasing to carry out that activity (Link to Section K of the application).

Supporting information should be included as **Attachment L 2** with reference to where the information can be found in the application.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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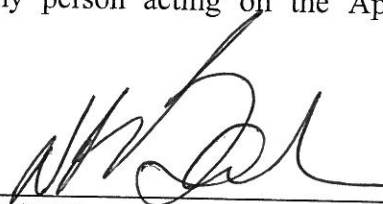
SECTION M DECLARATION

Declaration

I hereby make application for a licence / revised licence, pursuant to the provisions of the Waste Management Acts 1996 to 2003 and Regulations made thereunder.

I certify that the information given in this application is truthful, accurate and complete.

I give consent to the EPA to copy this application for its own use and to make it available for inspection and copying by the public, both in the form of paper files available for inspection at EPA and local authority offices, and via the EPA's website. This consent relates to this application itself and to any further information, submission, objection, or submission to an objection whether provided by me as Applicant, any person acting on the Applicant's behalf, or any other person.

Signed by : 
(on behalf of the organisation)

Date : 29th Jan 2008

Print signature name: _____

NICK BEALE

Position in organisation: _____

MANAGING DIRECTOR

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Company stamp or seal:

Rilta Environmental Limited
Block 402 Greenogue Business Park
Rathcoole, Co. Dublin
Tel 01 4018000 Fax 01 4018000
VAT No. IE 6394837N



ANNEX 1 STANDARD FORMS

Standard forms are provided in this section for the recording and presentation of environmental monitoring and site investigation results

TABLE E.1(i) LANDFILL GAS FLARE EMISSIONS TO ATMOSPHERE
Emission Point:

Emission Point Ref. N ^o :	
Location :	
Grid Ref. (12 digit, 6E,6N):	
Vent Details Diameter: Height above Ground(m):	
Date of commencement of emission:	

Characteristics of Emission:

CO	mg/m ³
Total organic carbon (TOC)	mg/m ³
NO _x	mg/Nm ³ 0°C. 3% O ₂ (Liquid or Gas), 6% O ₂ (Solid Fuel)
Maximum volume of emission	m ³ /hr
Temperature	°C(max) °C(min) °C(avg)

(i) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up/shutdown to be included*):

Periods of Emission (avg)	_____ min/hr _____ hr/day _____ day/yr
---------------------------	--



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TABLE E.1(ii) MAIN EMISSIONS TO ATMOSPHERE (1 Page for each emission point)

Emission Point Ref. N ^o :	A1
Source of Emission:	Drum washer stack
Location:	Within Drum Centre
Grid Ref. (12 digit, 6E,6N):	E301620 N228440
Vent Details Diameter:	0.40m
Height above Ground(m):	
Date of commencement:	

Characteristics of Emission:

(i) Volume to be emitted:			
Average/day	127,008m ³ /d	Maximum/day	127,008m ³ /d
Maximum rate/hour	5292m ³ /h	Min efflux velocity	8.50m.sec ⁻¹
(ii) Other factors			
Temperature	20°C(max)	9°C(min)	13°C(avg)
For Combustion Sources: Volume terms expressed as: <input type="checkbox"/> wet. <input type="checkbox"/> dry. _____% O ₂			

(iii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included*):

Periods of Emission (avg)	<u>60</u> min/hr <u>12</u> hr/day <u>330</u> day/yr
---------------------------	---



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TABLE E.1(iii): MAIN EMISSIONS TO ATMOSPHERE - Chemical characteristics of the emission (1 table per emission point)

Emission Point Reference Number: A1

Parameter	Prior to treatment ⁽¹⁾				Brief description of treatment	As discharged ⁽¹⁾					
	mg/Nm ³		kg/h			mg/Nm ³		kg/h.		kg/year	
	Avg	Max	Avg	Max		Avg	Max	Avg	Max	Avg	Max
<u>Other VOC's</u> Note: T.A. Luft Class <u>3 organic limit</u>	<u>150</u>	<u>150</u>	<u>0.772</u>	<u>0.772</u>	<i>For inspection purposes only. Consent of copyright owner required for any other use.</i>						

1. Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0°C,101.3kPa). Wet/dry should be the same as given in Table E.1(ii) unless clearly stated otherwise.



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TABLE E.1(iv): EMISSIONS TO ATMOSPHERE - Minor /Fugitive

Emission point Reference Numbers	Description	Emission details ¹				Abatement system employed
		material	mg/Nm ³⁽²⁾	kg/h.	kg/year	

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- 1 The maximum emission should be stated for each material emitted, the concentration should be based on the maximum 30 minute mean.
- 2 Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0°C/101.3kPa). Wet/dry should be clearly stated. Include reference oxygen conditions for combustion sources.



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TABLE E.1(ii) MAIN EMISSIONS TO ATMOSPHERE (1 Page for each emission point)

Emission Point Ref. N ^o :	A2
Source of Emission:	Paint booth stack
Location :	Within Drum Centre
Grid Ref. (12 digit, 6E,6N):	E301630 N228445
Vent Details Diameter:	0.714m
Height above Ground (m):	
Date of commencement:	

Characteristics of Emission:

(i) Volume to be emitted:			
Average/day	328,680m ³ /d	Maximum/day	328,680m ³ /d
Maximum rate/hour	5292m ³ /h	Min efflux velocity	8.50m.sec ⁻¹
(ii) Other factors			
Temperature	20°C(max)	9 °C(min)	13°C(avg)
For Combustion Sources: Volume terms expressed as : <input type="checkbox"/> wet. <input type="checkbox"/> dry. _____% O ₂			

(iii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included*):

Periods of Emission (avg)	<u>60</u> min/hr <u>12</u> hr/day <u>330</u> day/yr
---------------------------	---



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TABLE E.1(iii): MAIN EMISSIONS TO ATMOSPHERE - Chemical characteristics of the emission (1 table per emission point)

Emission Point Reference Number: A2

Parameter	Prior to treatment ⁽¹⁾				Brief description of treatment	As discharged ⁽¹⁾					
	mg/Nm ³		kg/h			mg/Nm ³		kg/h.		kg/year	
	Avg	Max	Avg	Max		Avg	Max	Avg	Max	Avg	Max
Total VOC's					<i>For inspection purposes only. Consent of copyright owner required for any other use.</i>						
Note: T.A. Luft Class	<u>150</u>	<u>150</u>	<u>2.10</u>	<u>2.10</u>							
3 organic limit											

1. Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0°C,101.3kPa). Wet/dry should be the same as given in Table E.1(ii) unless clearly stated otherwise.



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TABLE E.1(iv): EMISSIONS TO ATMOSPHERE - Minor /Fugitive

Emission point Reference Numbers	Description	Emission details ¹				Abatement system employed
		material	mg/Nm ³⁽²⁾	kg/h.	kg/year	

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- 1 The maximum emission should be stated for each material emitted, the concentration should be based on the maximum 30 minute mean.
- 2 Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0°C/101.3kPa). Wet/dry should be clearly stated. Include reference oxygen conditions for combustion sources.



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TABLE E.1(ii) MAIN EMISSIONS TO ATMOSPHERE (1 Page for each emission point)

Emission Point Ref. N ^o :	A3
Source of Emission:	Drying tunnel stack
Location :	Within Drum Centre
Grid Ref. (12 digit, 6E,6N):	E301630 N228460
Vent Details Diameter:	0.29m
Height above Ground(m):	
Date of commencement:	

Characteristics of Emission :

(i) Volume to be emitted:			
Average/day	60,480m ³ /d	Maximum/day	60,408m ³ /d
Maximum rate/hour	2520m ³ /h	Min efflux velocity	9m.sec ⁻¹
(ii) Other factors			
Temperature	35°C(max)	20°C(min)	25°C(avg)
For Combustion Sources: Volume terms expressed as : <input type="checkbox"/> wet. <input type="checkbox"/> dry. _____% O ₂			

(iii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included*):

Periods of Emission (avg)	<u>60</u> min/hr <u>12</u> hr/day <u>330</u> day/yr
---------------------------	---



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TABLE E.1(iii): MAIN EMISSIONS TO ATMOSPHERE - Chemical characteristics of the emission (1 table per emission point)

Emission Point Reference Number: A3

Parameter	Prior to treatment ⁽¹⁾				Brief description of treatment	As discharged ⁽¹⁾					
	mg/Nm ³		kg/h			mg/Nm ³		kg/h.		kg/year	
	Avg	Max	Avg	Max		Avg	Max	Avg	Max	Avg	Max
<u>Other VOC's</u> Note: T.A. Luft Class <u>3 organic limit</u>	<u>150</u>	<u>150</u>	<u>0.378</u>	<u>0.378</u>	<i>For inspection purposes only. Consent of copyright owner required for any other use.</i>						

1. Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0°C, 101.3kPa). Wet/dry should be the same as given in Table E.1(ii) unless clearly stated otherwise.



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TABLE E.1(iv): EMISSIONS TO ATMOSPHERE - Minor /Fugitive

Emission point Reference Numbers	Description	Emission details ¹				Abatement system employed
		material	mg/Nm ³⁽²⁾	kg/h.	kg/year	

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- 1 The maximum emission should be stated for each material emitted, the concentration should be based on the maximum 30 minute mean.
- 2 Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0°C/101.3kPa). Wet/dry should be clearly stated. Include reference oxygen conditions for combustion sources.



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TABLE E.2(i): EMISSIONS TO SURFACE WATERS

(One page for each emission)

Emission Point:

Emission Point Ref. N ^o :	SW3
Source of Emission:	Surface water runoff
Location :	As shown on Drawing No. 4709/1105 - Environmental Monitoring Points, Attachment E.1
Grid Ref. (10 digit, 5E,5N):	E301603 N228563
Name of receiving waters:	Griffeen River
Flow rate in receiving waters:	<p>_____ 0.2731 _____ m³.sec⁻¹ Dry Weather Flow</p> <p>_____ m³.sec⁻¹ 95%ile flow</p>
Available waste assimilative capacity:	_____ kg/day

Emission Details:

(i) Volume to be emitted			
Normal/day	_____ m ³	Maximum/day	_____ m ³
Maximum rate/hour	_____ m ³		

(ii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included*):

Periods of Emission (avg)	_____ min/hr _____ hr/day _____ day/yr
---------------------------	--



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TABLE E.2(ii): EMISSIONS TO SURFACE WATERS - Characteristics of the emission (1 table per emission point)

Emission point reference number : SW3

Parameter	Prior to treatment				As discharged				% Efficiency
	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	
	<u>0.125m³/hr</u> <u>or 125 litres</u> <u>pre hour</u> <u>max.</u>	<u>3m³/day or</u> <u>3000 litres</u> <u>per day max.</u>							

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TABLE E.3(i): EMISSIONS TO SEWER(One page for each emission)

Emission Point:

Emission Point Ref. N ^o :	EFF
Location of connection to sewer :	Adjacent to the Hydrocarbon Treatment Centre
Grid Ref. (10 digit, 5E,5N):	E301655 N228530
Name of sewage undertaker:	South Dublin County Council/ Ringsend WWTP

Emission Details:

(i) Volume to be emitted			
Normal/day	75m ³	Maximum/day	200m ³
Maximum rate/hour	20m ³		

(ii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included*):

Periods of Emission (avg)	_____ 60 _____ min/hr _____ 6 _____ hr/day _____ 245 day/yr
---------------------------	--



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TABLE E.3(ii): EMISSIONS TO SEWER - Characteristics of the emission (1 table per emission point)

Emission point reference number : EFF

Please Note: Current Information re: limits for the parameters listed below are included in Waste Licence 192-02, Schedule B.5.

Parameter	Prior to treatment				As discharged				% Efficiency
	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	
<u>BOD</u>						2000	144		
<u>COD</u>						4000	288		
<u>Mineral Oils</u>						10	1.8		
<u>Suspended Solids</u>						500	72		
<u>Sulphates (as SO₄)</u>						1000	180		
<u>Detergents</u>						100	18		
<u>Benzene</u>						1	0.18		
<u>Toluene</u>						1	0.18		
<u>Ethyl Benzene</u>						1	0.18		
<u>O/m/p Xylenes</u>						1	0.18		
<u>Copper</u>						1	0.18		
<u>Zinc</u>						3	0.60		
<u>Nickel</u>						1	0.18		
<u>Chromium</u>						1	0.18		
<u>Arsenic</u>						0.5	0.09		
<u>Lead</u>						0.2	0.04		

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TABLE E.4(i): EMISSIONS TO GROUNDWATER (1 Page for each emission point)

Emission Point or Area:

Not Applicable

Emission Point/Area Ref. N ^o :	Not Applicable
Emission Pathway: (borehole, well, percolation area, soakaway, landspreading, etc.)	Not Applicable
Location :	Not Applicable
Grid Ref. (10 digit, 5E,5N):	Not Applicable
Elevation of discharge: (relative to Ordnance Datum)	Not Applicable
Aquifer classification for receiving groundwater body:	Not Applicable
Groundwater vulnerability assessment (including vulnerability rating):	Not Applicable
Identity and proximity of groundwater sources at risk (wells, springs, etc):	Not Applicable
Identity and proximity of surface water bodies at risk:	Not Applicable

Emission Details:

(i) Volume to be emitted Not Applicable			
Normal/day	Not Applicable m ³	Maximum/day	Not Applicable m ³
Maximum rate/hour	Not Applicable m ³		

(ii) Period or periods during which emissions are made, or are to be made, including daily or seasonal variations (*start-up /shutdown to be included*):

Periods of Emission (avg)	Not Applicable ____ min/hr ____ hr/day ____ day/yr
---------------------------	---



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Table E.5(i): NOISE EMISSIONS - Noise sources summary sheet

All Day-Time and Night-Time results are included in the Annual Environmental Report for January to December 2007, in Attachment B3.

Source	Emission point Ref. No	Equipment Ref. No	Sound Pressure ¹ dBA at reference distance	Octave bands (Hz) Sound Pressure ¹ Levels dB(unweighted) per band								Impulsive or tonal qualities	Periods of Emission	
				31.5	63	125	250	500	1K	2K	4K			8K
N1	E301536 N228449													
N2	E301567 N228562													
N3	E301664 N228566													
N4	E301639 N228427													

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1. For items of plant sound power levels may be used.

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TABLE F.1: ABATEMENT / TREATMENT CONTROL

Emission point reference number : A1 ,A2, A3

Control ¹ parameter	Equipment ²	Equipment maintenance	Equipment calibration	Equipment back-up
VOC Emissions	Air vent stacks	Weekly Clean	Not Applicable	Not Applicable

Control ¹ parameter	Monitoring to be carried out ³	Monitoring equipment	Monitoring equipment calibration
VOC Emissions	VOC Monitoring- Biannual as per licence	External	External

¹ List the operating parameters of the treatment / abatement system which control its function.

² List the equipment necessary for the proper function of the abatement / treatment system.

³ List the monitoring of the control parameter to be carried out.

TABLE F.1: ABATEMENT / TREATMENT CONTROL

Emission point reference number : EFF

Control ¹ parameter	Equipment ²	Equipment maintenance	Equipment calibration	Equipment back-up
Effluent Discharge	Interceptor/Fine Mesh Screen	Daily Inspection/ Weekly Interceptor Clean	Not Applicable	Not Applicable

Control ¹ parameter	Monitoring to be carried out ³	Monitoring equipment	Monitoring equipment calibration
Effluent Discharge	Daily Visual Inspection/ Monthly Monitoring as per licence	External	External

¹ List the operating parameters of the treatment / abatement system which control its function.

² List the equipment necessary for the proper function of the abatement / treatment system.

³ List the monitoring of the control parameter to be carried out.

TABLE F.1: ABATEMENT / TREATMENT CONTROL

Emission point reference number : SW3

Control ¹ parameter	Equipment ²	Equipment maintenance	Equipment calibration	Equipment back-up
Surface water discharge	Automatic shut- off valve	Weekly Visual checks	Not Applicable	Attenuation tank/ Interceptor

Control ¹ parameter	Monitoring to be carried out ³	Monitoring equipment	Monitoring equipment calibration
Surface water discharge	Surface water (river) – quarterly as per licence	External	External

¹ List the operating parameters of the treatment / abatement system which control its function.

² List the equipment necessary for the proper function of the abatement / treatment system.

³ List the monitoring of the control parameter to be carried out.



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TABLE F.2 to F.8: EMISSIONS MONITORING AND SAMPLING POINTS - (1 table per media)

Emission Point Reference No(s) : A1, A2, A3

Parameter	Monitoring frequency	Accessibility of Sampling Points
VOC Emissions as specified in Waste Licence 192-02	Bi annually	Within Drum Recovery Centre

Emission Point Reference No(s) : EFF

Parameter	Monitoring frequency	Accessibility of Sampling Points
Effluent Discharge-Parameters as specified in Waste Licence 192-02	Monthly	Easily Accessible within Hydrocarbon Waste Treatment Centre

Emission Point Reference No(s) : SW3

Parameter	Monitoring frequency	Accessibility of Sampling Points
Surface water discharge as specified in Waste Licence 192-02	Quarterly sampling of the Griffeen River	Easily Accessible along the bank of the river

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TABLE Ff: Fugitive ENVIRONMENT MONITORING AND SAMPLING LOCATIONS (1 table per media)

Monitoring Point Reference No : D1, D2, D3, D4

Please Note: Dust Monitoring results only are listed here as solvent emissions are discharged through the emission points A1, A2 and A3 within the Drum Centre. There are no windows in this area of the facility and all solvent emissions in this area exit the building via the air emission points listed above.

Parameter	Monitoring frequency	Accessibility of Sampling point
Dust (D1)	3 times annually (twice from May to September)	Easily Accessible Along facility boundary
Dust (D2)	3 times annually (twice from May to September)	Easily Accessible Along facility boundary
Dust (D3)	3 times annually (twice from May to September)	Easily Accessible Along facility boundary
Dust (D4)	3 times annually (twice from May to September)	Easily Accessible Along facility boundary

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Table G.1 Details of Process related Raw Materials, Intermediates, Products, etc., used or generated on the site

Ref. N ^o or Code	Material/ Substance ⁽¹⁾	CAS Number	Danger ⁽²⁾ Category	Amount Stored (tonnes)	Annual Usage (tonnes)	Nature of Use	R ⁽³⁾ - Phrase	S ⁽³⁾ - Phrase
	Ferric Alum. Sulphate Caustic Soda Polymer Xylene				5 5 30 1	Liquid Waste Treatment Liquid Waste Treatment Liquid Waste Treatment Drum Division Plant Maintenance		

- Notes:
1. In cases where a material comprises a number of distinct and available dangerous substances, please give details for each component substance.
 2. c.f. Article 2(2) of SI N^o 77/94
 3. c.f. Schedules 2 and 3 of SI N^o 77/94

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TABLE H.1(i): WASTE - Hazardous Waste Recovery/Disposal

Waste material	EWC Code	Main source ¹	Quantity		On-site Recovery/Disposal (Method & Location)	Off-site Recovery, reuse or recycling (Method, Location & Undertaker)	Off-site Disposal (Method, Location & Undertaker)
			Tonnes / month	m ³ / month			
<u>3rd Schedule</u>							
Class 7	VA*	Aqueous Waste	2,038		RILTA Existing Liquid Waste Treatment		
Class 11	VA	Small Arisings	83		RILTA Existing Liquid Waste Treatment		
Class 12	VA	Small Arisings	83		RILTA Existing Liquid Waste Treatment		
Class 13	VA	Small Arisings	833		RILTA Existing Liquid Waste Treatment		
<u>4th Schedule</u>							
Class 2	VA	Small Arisings	83		RILTA Drum Division	Various	
Class 3	VA	Drums (Steel)	167		RILTA Drum Division		
Class 4	VA	Plastic Drums	167				
Class 6	VA	Absorbent Material	167				
Class 8	VA	Waste Oils	750				
Class 13	VA	VA (Soils, Asbestos, Paints etc.)	4833		RILTA Environmental Ltd.	Various	

¹ A reference should be made to the main activity / process for each waste.

* VA = Various EWC Codes. These codes are broken down in the Annual Environmental Report (AER).

TABLE H.1(ii) WASTE - Other Waste Recovery/Disposal

Waste material	EWC Code	Main source ¹	Quantity		On-site recovery/disposal ² (Method & Location)	Off-site Recovery, reuse or recycling (Method, Location & Undertaker)	Off-site Disposal (Method, Location & Undertaker)
			Tonnes / month	m ³ / month			

- 1 A reference should be made to the main activity/ process for each waste.
- 2 The method of disposal or recovery should be clearly described and referenced to Attachment H.1

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Table I.2(i) SURFACE WATER QUALITY

(Sheet 1 of 2) Monitoring Point/ Grid Reference: SW1, SW2, SW3

Note: All surface water results for January to December 2007, as sampled on a quarterly basis using the grab sample technique, are included in the Annual Environmental Report for January to December 2007, in Attachment B3.

Parameter	Results (mg/l)				Sampling method (grab, drift etc.)	Normal Analytical Range ²	Analysis method / technique
	Date	Date	Date	Date			
pH							
Temperature							
Electrical conductivity EC							
Ammoniacal nitrogen NH ₄ -N							
Chemical oxygen demand							
Biochemical oxygen demand							
Dissolved oxygen DO							
Calcium Ca							
Cadmium Cd							
Chromium Cr							
Chloride Cl							
Copper Cu							
Iron Fe							
Lead Pb							



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Magnesium Mg							
Manganese Mn							
Mercury Hg							

Surface Water Quality (Sheet 2 of 2)

Parameter	Results (mg/l)				Sampling method (grab, drift etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
Nickel Ni							
Potassium K							
Sodium Na							
Sulphate SO ₄							
Zinc Zn							
Total alkalinity (as CaCO ₃)							
Total organic carbon TOC							
Total oxidised nitrogen TON							
Nitrite NO ₂							
Nitrate NO ₃							
Faecal coliforms (/100mls)							
Total coliforms (/100mls)							
Phosphate PO ₄							

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Table I.4(i) GROUNDWATER QUALITY
 (Sheet 1 of 2) Monitoring Point/ Grid Reference: BH1, BH2, BH3

Note: All groundwater results for January to December 2007, as sampled on a quarterly basis, following purging and sampling of each borehole using dedicated Waterra tubing and bailer, are included in the Annual Environmental Report for January to December 2007, in Attachment B3.

Parameter	Results (mg/l)				Sampling method (composite etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
pH							
Temperature							
Electrical conductivity EC							
Ammoniacal nitrogen NH ₄ -N							
Dissolved oxygen DO							
Residue on evaporation (180°C)							
Calcium Ca							
Cadmium Cd							
Chromium Cr							
Chloride Cl							
Copper Cu							
Cyanide Cn, total							
Iron Fe							
Lead Pb							
Magnesium Mg							
Manganese Mn							

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Mercury Hg							
Nickel Ni							
Potassium K							
Sodium Na							

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GROUNDWATER QUALITY (SHEET 2 OF 2)

Parameter	Results (mg/l)				Sampling method (composite, dipper etc.)	Normal Analytical Range	Analysis method / technique
	Date	Date	Date	Date			
Phosphate PO ₄							
Sulphate SO ₄							
Zinc Zn							
Total alkalinity (as CaCO ₃)							
Total organic carbon TOC							
Total oxidised nitrogen TON							
Arsenic As							
Barium Ba							
Boron B							
Fluoride F							
Phenol							
Phosphorus P							
Selenium Se							
Silver Ag							
Nitrite NO ₂							
Nitrate NO ₃							
Faecal coliforms (/100mls)							
Total coliforms (/100mls)							
Water level (m OD)							

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Table I.6(i) Ambient Noise Assessment

Third Octave analysis for noise emissions should be used to determine tonal noises

	National Grid Reference	Sound Pressure Levels		
	(5N, 5E)	L(A) _{eq}	L(A) ₁₀	L(A) ₉₀
1. SITE BOUNDARY				
Location 1:				
Location 2:				
Location 3:				
Location 4:				
2. NOISE SENSITIVE LOCATIONS				
Location 1:				
Location 2:				
Location 3:				
Location 4:				

NOTE: All locations should be identified on accompanying drawings.

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SECTION B 7

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Section A

Attachment A

Non-Technical Summary

The non-technical summary is prepared in accordance with Article 12(1) of the Waste Management (Licensing) Regulations 2000 (S.I. No. 185 of 2000).

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Current Facility and Proposed Change of Use

RILTA Environmental Ltd. (hereafter referred to as RILTA -formerly known as SITA Environmental Ltd.) operates an existing Integrated Waste Management Facility at Block 402, Grant's Drive, Greenogue Business Park, Rathcoole, Co. Dublin.

The facility is located in south west County Dublin adjacent to Newcastle, approximately 1.5km north of the village of Rathcoole. Access to the facility is from the south, from the R120 that joins the N7 (Dublin-Limerick road). An overview of the regional site location is shown on Drawing No. 4709/1100 in Attachment A.1. Planning Permission was granted by An Bord Pleanála for this facility in 2003 - Planning Register Reference Number: SD 02A/0313 and An Bord Pleanála Reference Number: PL 06S.201534. The area referred to as "Zone A" in the original Planning Application is the current operational area of RILTA. Construction on the facility began in 2003 and RILTA began accepting waste in December 2004.

The site covers 1.1 hectares and is covered in hardstanding made ground. Information presented in the original EIS in May 2002 for this facility included baseline environmental studies of the site and the area was described as unmanaged grassland that has been disturbed in the past. The site is bounded to the north by the Griffeen River. A 3m wide pathway is adjacent to the Griffeen River north of the RILTA site. A two metre strip of landscaping has also been left inside the site boundary around the perimeter of the site. The elevation of the site, which gently slopes in a northerly direction, is approximately 87.5mOD (Ordnance Datum OD).

The facility currently operates in accordance with a Waste Licence granted by the Environmental Protection Agency (EPA) –Waste Licence No.192-02. The quantity of waste currently accepted at the facility is limited to 111,000 tonnes per annum consisting of hazardous waste, commercial waste, construction and demolition waste, industrial sludges and industrial waste.

RILTA currently employs up to 65 personnel, full time at the current integrated waste management facility. Staffing numbers include operations managers, general managers, accountant, yard managers, maintenance engineer, vehicle drivers, general operatives and office staff.

The Integrated Waste Management Facility operates between the hours of 07:30 and 18:00 Monday to Friday and 07:30 and 14:00 hours on Saturdays. The facility remains closed on Sundays, Bank Holidays and Public Holidays. The facilities operate outside these hours only when they are required to cater for the later arrival of waste haulage vehicles due to breakdown or other circumstances. Maintenance is carried out outside operating hours.

TOBIN Consulting Engineers (hereafter referred to as TOBIN) have been commissioned by RILTA to undertake a waste licence review to obtain approval to reprocess waste oil for reuse as a fuel.

Description of the Proposed Activity

RILTA have been recovering oil from aqueous waste under various permitting systems for 30 years. The process became wholly regulated by the Agency in 1999 with the grant of Licence No. 35-1 to SITA Environmental.

Under Waste Licence No: 192-02, Condition 6.21.1 allows the processing of aqueous, hydrocarbon and sludge waste at the Hydrocarbon Waste Treatment Centre to be carried out as described in Section 2.3.2 of the EIS submitted on the 5th April 2007 with Planning Application Register Reference Number: SD07A/0260. Under this section of the EIS it is stated that the recovered oil from the hydrocarbon waste treatment process is removed from the site for further treatment at an authorised facility. Class 8 'oil re-refining or other re-uses of oil' licensed under the Fourth Schedule of the Waste Management Act 1996, has led to the reprocessing of waste oil within the RILTA facility. Based on the terms of the current Waste Licence No. 192-02 and the activities at the site, RILTA is requesting approval for the reprocessing of waste oil for reuse as a fuel.

The Need for the Change of Use

The processing of waste oils into a re-useable fuel has been carried out at Rilta and previously Pipe & Drain Ltd for many years. As noted in the Waste Oil Directive 75/442/EEC and the National Hazardous Waste Management Plan 2003, it is uneconomical to regenerate waste oils in Ireland. The commonly accepted practice has been to reprocess and re-use it as a fuel primarily in the quarrying industry.

Change of Use Procedures

Best Available Techniques (BAT) principles will be applied in executing the re-processing of waste oil to a particular specification to ensure that impacts on the environment will be minimal. No construction will be required or changes to the current site infrastructure.

SECTION B

Attachment B.1

Applicant's Details

RILTA Environmental Ltd. (formerly known as SITA Environmental Ltd.)
Block 402, Grant's Drive,
Greenogue Business Park,
Rathcoole, Co. Dublin
Telephone: 01-4018000
Telefax: 01-4018080

The Company Directors are as follows:

Mr. Nick Beale

Mr. Philip Lynch

Mr. Pdraig Duggan

Mr. Paul Dixon

Mr. Seamus Clancy

Mr. Michael Long

Mr. Sean Cotter

Company Registration Number is 374837

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Number 374837

Certificate of Incorporation on change of name

I hereby certify that

RILTA LIMITED

having, by a Special Resolution of the Company,
and with the approval of the Minister for Enterprise,
Trade and Employment, changed its name, is now
incorporated as a limited company under the name

RILTA ENVIRONMENTAL LIMITED

and I have entered such name on the Register accordingly.

Given under my hand at Dublin, this

Wednesday, the 1st day of February, 2006


for Registrar of Companies

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3570368/1

Number 374837

DUPLICATE FOR THE FILE

Certificate of Incorporation

I hereby certify that

RILTA LIMITED

is this day incorporated under
the Companies Acts 1963 to 2001.
and that the company is limited.

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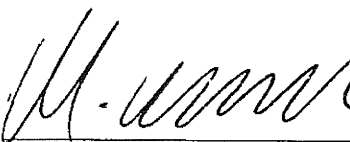
Given under my hand at Dublin, this
Monday, the 18th day of August, 2003



for Registrar of Companies

Certificate handed to/posted to*:

BCM HANBY WALLACE
ST. Michael's HOUSE
ST. Michael's Close
1 Hill Street Date: 21/8/03.

Signed: 

*Delete as appropriate

Dublin 8

Attachment B.2

- Drawing No. 4709/1102 – Site Layout Plan
- Drawing No. 4709/1106 - Services Plan

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Attachment B.3

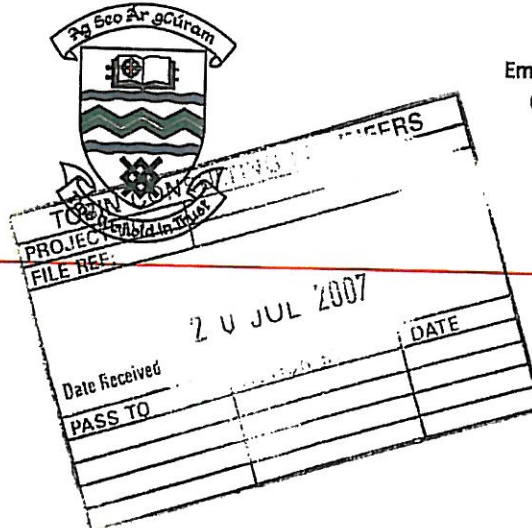
- Planning Permission Attached with Conditions
- Waste Licence No.192-02
- Annual Environmental Report

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Facs: 01-414 0102
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**SOUTH DUBLIN COUNTY COUNCIL
COMHAIRLE CONTAE ÁTHA CLIATH THEAS**

Planning Department,
County Hall, Tallaght,
Dublin 24.
Telephone: 01-4149000
Fax 01-414 0102
Email: cccounter@sdblincoco.ie
On-line: www.southdublin.ie



Tobin Consulting Engineers
Block 10-3
Blanchardstown Corporate Park
Blanchardstown
Dublin 15

**NOTIFICATION TO GRANT PERMISSION
PLANNING & DEVELOPMENT ACT, 2000 AND PLANNING REGULATIONS
THEREUNDER**

Final Grant Order No.:	1565	Date of Final Grant:	17-Jul-2007
Decision Order No.:	1174	Date of Decision:	05-Jun-2007
Register Reference:	SD07A/0260	Date:	11-Apr-2007

Applicant: RILTA Environmental Ltd.
Development: An increase in the annual waste throughput at existing integrated Waste Management Facility. The facility currently operates in accordance with Waste Licence No. 192-1. The Planning Application will be accompanied by an Environmental Impact Statement (EIS), in accordance with the Planning and Development Regulations 2001, as amended.
Location: Block 402, Grants Drive, Greenogue Business Park, Rathcoole, Co. Dublin

**Time extension(s) up to and including
Additional Information Requested/Received** 19-Apr-2007 / 03-May-2007

A Permission has been granted for the development described above, subject to the following (11) conditions.

Conditions and Reasons:

- The development shall be carried out in its entirety in accordance with the plans, particulars and specifications lodged with the application, save as may be required by the other conditions attached hereto.

REASON: To ensure that the development shall be in accordance with the permission and that

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- effective control be maintained.
2. Notwithstanding the above, the proposed development shall comply with the relevant conditions of the previous grant of planning permission on this site under Register Ref. SD02A/0313 and PL 06S.201534 save as may be required by other conditions attached hereto.
REASON: In the interests of clarity and proper planning and sustainable development.
 3. No intensification of use of the Waste Management Facility shall take place until the relevant licence has been granted by the Environmental Protection Agency.
REASON: In the interests of the proper planning and sustainable development of the area.
 4. (a) All waste handling activities shall be carried on indoors.
(b) There shall be no outdoor storage of materials.
REASON: In the interests of pollution control and visual amenity.
 5. During the operation of waste transfer facility, Best Practicable Means shall be employed to minimise air blown dust being emitted from the site. This shall include covering of vehicles delivering material with dust potential with tarpaulin or similar to restrict the escape of dust, and any other precautions necessary to prevent dust nuisances.
REASON: To contain dust arising from the site in the interests of public health, to prevent the pollution of the Griffeen River and to prevent nuisance being caused to occupiers of buildings in the vicinity.
 6. All mitigation measures detailed in the Environmental Impact Statement to protect the surrounding environment shall be implemented in full and to prevent the creation of a nuisance.
REASON: To prevent the pollution of water courses and in the interests of proper planning and sustainable development
 7. A biological assessment of the Griffeen River shall be undertaken every three years. The biological assessment shall follow the same methodologies and shall be carried out at the same locations as previous assessments. Details of assessments shall be forwarded to the Planning Authority and to the Eastern Regional Fisheries Board.
REASON: In the interests of public health and proper planning and sustainable development of the area.
 8. The development shall be operated so that there shall be no emission of malodours, fumes, gas, dust or other deleterious materials, no industrial effluent and no noise vibration or electrical interference generated on site such as would give reasonable cause for annoyance to any resident or public place in the vicinity of the site.
REASON: In the interests of public health and proper planning and sustainable development.

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9. a) The water supply and drainage infrastructure, including the disposal of surface water, shall comply with the technical requirements of the Planning Authority.
b) There shall be full and complete separation of foul and surface water systems.
c) All drainage works for this development shall comply with the Greater Dublin Regional Code of Practice for Drainage Works which can be viewed/downloaded from <http://environment.southdublin.ie> (click-publications then specifications).
10. Clearly audible and impulsive tones at noise sensitive locations during evening and night shall be avoided irrespective of the noise level.
REASON: In the interests of public health and proper planning and sustainable development.
11. Sheltered and secure cycle parking facilities shall be provided within the curtilage of the site.
REASON: To promote sustainable forms of transport.

Note 1: The applicant is advised that under the provisions of Section 34 (13) of the Planning and Development Act 2000 a person shall not be entitled solely by reason of a permission to carry out any development.

- (1) All buildings must be designed and constructed in accordance with the Building Regulations 1997.
- (2) Building Control Regulations require a Commencement Notice. A copy of the Commencement Notice is attached.
- (3) A Fire Safety Certificate must be obtained from the Building Control Authority, where applicable.
- (4) Free Standing Walls must be designed and constructed in accordance with IS 325: Code of Practice for use of Masonry Part 1 : Structural use of reinforced Masonry. The Owner must also ensure that the construction of all walls is supervised by a competent person.

Signed on behalf of South Dublin County Council.

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County Hall, Tallaght,

Dublin 24.

Telephone: 01-4149000

Fax 01-414 0102

Email: ccccounter@sdblincoco.ie

On-line: www.southdublin.ie

.....*Marion Dolan*..... 18-Jul-2007

for SENIOR EXECUTIVE OFFICER.

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

WASTE LICENCE

Licence Register No:	W0192-02
Licensee:	Rilta Environmental Limited
Location of Facility:	Block 402, Grant's Drive Greenogue Business Park Rathcoole County Dublin



HEADQUARTERS
JOHNSTOWN CASTLE ESTATE
COUNTY WEXFORD, IRELAND
PHONE: +353-53-9160600
FAX: +353-53-9160699

WASTE MANAGEMENT ACTS, 1996 TO 2007

WASTE LICENCE

Decision of the Agency, under Section 46(8)(a) of the Waste Management Acts, 1996 to 2007

Waste Licence Register No: **W0192-02**

Further to notice dated the 18th day of January, 2008, the Agency in exercise of the powers conferred on it by the Waste Management Acts, 1996 to 2007, for the reasons hereinafter set out in the attached Decision, grants this revised waste licence to Rilta Environmental Limited (formerly known as SITA Environmental Limited), Block 402, Grant's Drive, Greenogue Business Park, Rathcoole, County Dublin to carry on the waste activities set out below at Rilta Environmental Limited, Block 402, Grant's Drive, Greenogue Business Park, Rathcoole, County Dublin subject to twelve Conditions, as set out in the schedules attached thereto.

A copy of the Decision is attached.

Licensed Waste Activities

*Waste Disposal Activities, in accordance with the Third Schedule
of the Waste Management Acts, 1996 to 2007:*

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

Q



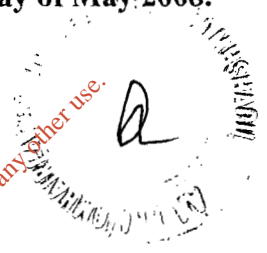
*Waste Recovery Activities, in accordance with the Fourth Schedule
of the Waste Management Acts, 1996 to 2007:*

Class 2.	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes).
Class 3.	Recycling or reclamation of metals and metal compounds.
Class 4.	Recycling or reclamation of other inorganic materials.
Class 6.	Recovery of components used for pollution abatement.
Class 8.	Oil re-refining or other re-uses of oil.
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.

Sealed by the seal of the Agency on this the 29th day of May 2008.

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


Dara Lynott, Director/Authorised Person



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INTRODUCTION

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

Rilta Environmental Limited operate a hazardous waste treatment facility at Greenogue Business Park, Rathcoole, County Dublin. The quantity of waste to be accepted at the facility is limited to 111,000 tonnes per annum consisting of hazardous waste, commercial waste, construction and demolition waste, industrial sludges and industrial waste.

The facility comprises two main buildings which house three distinct operations:

(i) Drum Recovery Centre

Reconditioning or recycling of empty industrial packaging such as steel drums, plastic drums and intermediate bulk containers (IBCs). There are 3 emission points to atmosphere from the Drum Recovery Centre.

(ii) Hydrocarbon Waste Treatment Centre

Treatment/recovery of hydrocarbon-contaminated waste from sources such as bilge tanks of ships, petrol stations and oil spills. Trade effluent arising from the waste treatment is discharged to sewer under the consent of the Water Services Authority (South Dublin County Council).

(iii) Hazardous Waste Transfer Station

Bulking up and transfer of hazardous waste (including asbestos and contaminated soil) for disposal/recovery.

The licence review was required primarily to facilitate an increased throughput of contaminated soil at the facility. There will be no change to the infrastructure on-site and no processing of this soil on-site, with the exception of handling and storage. The licence review also accommodates increased limit values for emissions to atmosphere and discharges to sewer from the facility.

This facility falls within the scope of Annex I of Council Directive 96/61/EC concerning Integrated Pollution Prevention and Control as the following activity is carried on at the facility:

Category 5.1: *Installations for the disposal or recovery of hazardous waste as defined in the list referred to in Article 1(4) of Directive 91/689/EEC, as defined in Annexes IIA and IIB (operations R1, R5, R6, R8 and R9) to Directive 75/442/EEC and in Council Directive 75/439/EEC of 16 June 1975 on the disposal of waste oils (2), with a capacity exceeding 10 tonnes per day.*

The licence sets out in detail the conditions under which Rilta Environmental Limited will operate and manage this facility.

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Glossary of Terms

All terms in this licence should be interpreted in accordance with the definitions in the Environmental Protection Agency Acts 1992 and 2003 / Waste Management Acts 1996 to 2007, unless otherwise defined in this section.

Adequate lighting	20 lux measured at ground level.
AER	Annual Environmental Report.
Aerosol	A suspension of solid or liquid particles in a gaseous medium.
Agreement	Agreement in writing.
Annually	At approximately twelve-monthly intervals.
Application	The application by the licensee for this licence.
Appropriate facility	A waste management facility, duly authorised under relevant law and technically suitable.
Attachment	Any reference to Attachments in this licence refers to attachments submitted as part of this licence application.
BAT	Best Available Techniques.
Biannually	All or part of a period of six consecutive months.
Biennially	Once every two years.
BOD	5 day Biochemical Oxygen Demand.
CEN	Comité Européen De Normalisation – European Committee for Standardisation.
COD	Chemical Oxygen Demand.
Commercial Waste	As defined in Section 5(1) of the Waste Management Acts 1996 to 2007.
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 (S.I. No. 147 of 1998).
Construction and Demolition (C&D) waste	Wastes that arise from construction, renovation and demolition activities: Chapter 17 of the EWC or as otherwise may be agreed.
Containment boom	A boom that can contain spillages and prevent them from entering drains or watercourses or from further contaminating watercourses.
Daily	During all days of plant operation, and in the case of emissions, when emissions are taking place; with at least one measurement on any one day.
Day	Any 24 hour period.
Daytime	0800 hrs to 2200 hrs.

dB(A)	Decibels (A weighted).
DO	Dissolved oxygen.
Documentation	Any report, record, result, data, drawing, proposal, interpretation or other document in written or electronic form which is required by this licence.
Drawing	Any reference to a drawing or drawing number means a drawing or drawing number contained in the application, unless otherwise specified in this licence.
EMP	Environmental Management Programme.
Emission limits	Those limits, including concentration limits and deposition rates, established in <i>Schedule B: Emission Limits</i> of this licence.
Environmental damage	Has the meaning given in Directive 2004/35/EC.
EPA	Environmental Protection Agency.
European Waste Catalogue (EWC)	A harmonised, non-exhaustive list of wastes drawn up by the European Commission and published as Commission Decision 2000/532/EC and any subsequent amendment published in the Official Journal of the European Community.
Facility	Any site or premises used for the purposes of the recovery or disposal of waste.
Fortnightly	A minimum of 24 times per year, at approximately two week intervals.
GC/MS	Gas chromatography/mass spectroscopy.
Heavy metals	This term is to be interpreted as set out in "Parameters of Water Quality, Interpretation and Standards" published by the Agency in 2001. ISBN 1-84095-015-3.
Hours of operation	The hours during which the 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: <ul style="list-style-type: none"> (i) an emergency; (ii) any emission which does not comply with the requirements of this licence; (iii) any exceedance of the daily duty capacity of the waste handling equipment; (iv) any trigger level specified in this licence which is attained or exceeded; and, (v) any indication that environmental pollution has, or may have, taken place.
Industrial waste	As defined in Section 5(1) of the Waste Management Acts 1996 to 2007.
Inert waste	Waste that does not undergo any significant physical, chemical or biological transformations. Inert waste will not dissolve, burn or otherwise physically or chemically react, biodegrade or adversely affect other matter with which it comes into contact in a way likely to give rise to environmental pollution or

harm human health. The total leachability and pollutant content of the waste and the ecotoxicity of the leachate must be insignificant, and in particular must not endanger the quality of surface water and/or groundwater.

IPPC	Integrated Pollution Prevention & Control.
K	Kelvin.
kPa	Kilopascals.
Landfill Directive	Council Directive 1999/31/EC.
Leq	Equivalent continuous sound level.
Licence	A Waste Licence issued in accordance with the Waste Management Acts 1996 to 2007.
Licensee	Rilta Environmental Limited, Block 402, Grant's Drive, Greenogue Business Park, Rathcoole, County Dublin.
Liquid waste	Any waste in liquid form and containing less than 2% dry matter. Any waste tankered to the facility.
List I	As listed in the EC Directives 76/464/EEC and 80/68/EEC and amendments.
List II	As listed in the EC Directives 76/464/EEC and 80/68/EEC and amendments.
Local Authority	South Dublin County Council.
Maintain	Keep in a fit state, including such regular inspection, servicing, calibration and repair as may be necessary to adequately perform its function.
Mass flow limit	An emission limit value which is expressed as the maximum mass of a substance that can be emitted per unit time.
Mass flow threshold	A mass flow rate above which a concentration limit applies.
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 intervals of approximately one month.
Municipal waste	As defined in Section 5(1) of the Waste Management Acts 1996 to 2007.
Night-time	2200 hrs to 0800 hrs.
Noise-sensitive location (NSL)	Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other facility or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels.
Oil separator	Device installed according to the International Standard I.S. EN 858-2:2003 (Separator systems for light liquids, (e.g. oil and petrol) - Part 2: Selection of nominal size, installation, operation and maintenance).
PRTR	Pollutant Release and Transfer Register.
Quarterly	All or part of a period of three consecutive months beginning on the first day of January, April, July or October.

Recyclable materials	Waste types, such as cardboard, batteries, gas cylinders etc, may be recycled.
Regional Fisheries Board	Eastern Regional Fisheries Board.
Sanitary effluent	Wastewater from facility toilet, washroom and canteen facilities.
Sample(s)	Unless the context of this licence indicates to the contrary, samples shall include measurements by electronic instruments.
SOP	Standard operating procedure.
Source segregated waste	Waste which is separated at source. Meaning that the waste is sorted at the point of generation into a recyclable fraction(s) for separate collection (e.g., paper, metal, glass, plastic, bulk dry recyclables, biodegradables, etc.,) and a residual fraction. And the expression 'separate at source' shall be construed accordingly.
Specified emissions	Those emissions listed in <i>Schedule B: Emission Limits</i> of this licence.
Specified Engineering Works (SEW)	Engineering works listed in <i>Schedule D: Specified Engineering Works</i> of this licence.
Standard method	A National, European or internationally recognised procedure (eg, I.S. EN, ISO, CEN, BS or equivalent) or an in-house documented procedure based on the above references; a procedure as detailed in the current edition of "Standard Methods for the Examination of Water and Wastewater" (prepared and published jointly by A.P.H.A., A.W.W.A. & W.E.F.), American Public Health Association, 1015 Fifteenth Street, N.W., Washington DC 20005, USA; or, an alternative method as may be agreed by the Agency.
Storm water	Rain water run-off from roof and non-process areas.
Temporary storage	In relation to waste is a period of less than six months as defined in the Waste Management Acts 1996 to 2007.
The Agency	Environmental Protection Agency.
TA Luft	Technical Instructions on Air Quality Control - TA Luft in accordance with art. 48 of the Federal Immission Control Law (BImSchG) dated 15 March 1974 (BGBl. I p.721). Federal Ministry for Environment, Bonn 1986, including the amendment for Classification of Organic Substances according to section 3.1.7 TA.Luft, published in July 1997.
TOC	Total organic carbon.
Trade effluent	Trade effluent has the meaning given in the Water Pollution Acts 1977 and 1990.
Transfrontier Shipment Notification	Transfrontier Shipment Notification and movement/tracking form numbers are required for all exports of waste from, into or through the State under the Waste Management (Shipments of Waste) Regulations (S.I. No. 419 of 2007).
Trigger level	A parameter value, 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).
Water Services Authority	South Dublin County Council.
Weekly	During all weeks of plant operation, and in the case of emissions, when emissions are taking place; with at least one measurement in any one week.
WWTP	Waste water treatment plant.

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Decision & Reasons for the Decision

The Environmental Protection Agency (the Agency) is satisfied, on the basis of the information available, that subject to compliance with the conditions of this licence, any emissions from the activity will comply with and will not contravene any of the requirements of Section 40(4) of the Waste Management Acts 1996 to 2007.

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

Part I Schedule of Activities Licensed

In pursuance of the powers conferred on it by the Waste Management Acts 1996 to 2007, the Agency, under Section 46(8) of the said Acts hereby grants this Waste Licence to Rilta Environmental Limited, Block 402, Grant's Drive, Greenogue Business Park, Rathcoole, County Dublin, to carry on the waste activities listed below at Block 402, Grant's Drive, Greenogue Business Park, Rathcoole, County Dublin, subject to conditions, with the reasons therefor and the associated schedules attached thereto set out in the licence.

Licensed Waste Disposal Activities, in accordance with the Third Schedule of the Waste Management Acts 1996 to 2007

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

Licensed Waste Recovery Activities, in accordance with the Fourth Schedule of the Waste Management Acts 1996 to 2007

Class 2.	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes).
Class 3.	Recycling or reclamation of metals and metal compounds.
Class 4.	Recycling or reclamation of other inorganic materials.
Class 6.	Recovery of components used for pollution abatement.
Class 8.	Oil re-refining or other re-uses of oil.
Class 13.	Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.

Part II Schedule of Activities Refused

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

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Part III Conditions

Condition 1. Scope

- 1.1 Waste activities at this facility shall be restricted to those listed and described in Part I: Schedule of Activities Licensed, and shall be as set out in the licence application or as modified under Condition 1.5 of this licence and subject to the conditions of this licence.
- 1.2 Activities at this facility shall be limited as set out in *Schedule A: Limitations* of this licence.
- 1.3 The facility shall be controlled, operated, and maintained and emissions shall take place as set out in this licence. All programmes required to be carried out under the terms of this licence, become part of this licence.
- 1.4 For the purposes of this licence, the facility authorised by this licence is the area of land outlined in red on Figure 7.1 *Environmental Monitoring Location* of the application. Any reference in this licence to "facility" shall mean the area thus outlined in red. The licensed activities shall be carried on only within the area outlined.
- 1.5 No alteration to, or reconstruction in respect of, the activity or any part thereof which would, or is likely to, result in
- (i) a material change or increase in:
 - The nature or quantity of any emission,
 - The abatement/treatment or recovery systems,
 - The range of processes to be carried out,
 - The fuels, raw materials, intermediates, products or wastes generated, or
 - (ii) any changes in:
 - Site management infrastructure or control with adverse environmental significance,
- shall be carried out or commenced without prior notice to, and without the agreement of, the Agency.
- 1.6 This licence is for the purposes of waste licensing under the Waste Management Acts 1996 to 2007 only and nothing in this licence shall be construed as negating the licensee's statutory obligations or requirements under any other enactments or regulations.
- 1.7 This licence has been granted in substitution for the waste licence granted to the licensee on 2nd December 2004 (Register No. W0192-01). The previous waste licence (Reg. No. W0192-01) is superseded by this revised licence.
- 1.8 Waste Acceptance Hours and Hours of Operation
- 1.8.1 With the exception of emergencies or as may be agreed by the Agency, waste shall be accepted at or dispatched from the facility only between the hours of 7.30 am and 5.30 pm Monday to Friday inclusive, and 7.30 am and 1.30 pm on Saturdays.
 - 1.8.2 The facility shall be operated only between the hours of 7.30 am and 6.00 pm Monday to Friday inclusive, and 7.30 am and 2.00 pm on Saturdays.
 - 1.8.3 The facility shall not operate or accept/dispatch waste on Sundays or on Public Holidays without the agreement of the Agency.

Reason: To clarify the scope of this licence.

Condition 2. Management of the Facility

2.1 Facility Management

- 2.1.1 The licensee shall employ a suitably qualified and experienced facility manager who shall be designated as the person in charge. The facility manager or a nominated, suitably qualified and experienced, deputy shall be present on the facility at all times during its operation or as otherwise required by the Agency.
- 2.1.2 The licensee shall ensure that personnel performing specifically assigned tasks shall be qualified on the basis of appropriate education, training and experience, as required, and shall be aware of the requirements of this licence. In addition, the facility manager and his/her deputy shall successfully complete the FAS waste management training programme or equivalent agreed by the Agency.

2.2 Environmental Management System (EMS)

- 2.2.1 The licensee shall maintain an Environmental Management System (EMS). The EMS shall be updated on an annual basis.
- 2.2.2 The EMS shall include as a minimum the following elements:
- 2.2.2.1 Management and Reporting Structure.
- 2.2.2.2 Schedule of Environmental Objectives and Targets

The licensee shall maintain a Schedule of Environmental Objectives and Targets. The schedule shall as a minimum, provide for a review of all operations and processes, including an evaluation of practicable options, for energy and resource efficiency, the use of cleaner technology, cleaner production, and the prevention, reduction and minimisation of waste, and shall include waste reduction targets. The schedule shall include time frames for the achievement of set targets and shall address a five year period as a minimum. The schedule shall be reviewed annually and amendments thereto notified to the Agency for agreement as part of the Annual Environmental Report (AER) (Condition 11.8).

2.2.2.3 Environmental Management Programme (EMP)

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

- (i) designation of responsibility for targets;
- (ii) the means by which they may be achieved;
- (iii) the time within which they may be achieved.

The EMP shall be reviewed annually and amendments thereto notified to the Agency for agreement as part of the Annual Environmental Report (AER) (Condition 11.8).

A report on the programme, including the success in meeting agreed targets, shall be prepared and submitted to the Agency as part of the AER. Such reports shall be retained on-site for a period of not less than seven years and shall be available for inspection by authorised persons of the Agency.

2.2.2.4 Documentation

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

2.2.2.5 Corrective Action

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

2.2.2.6 Awareness and Training

The licensee shall maintain procedures for identifying training needs, and for providing appropriate training, for all personnel whose work can have a significant effect upon the environment. Appropriate records of training shall be maintained.

2.2.2.7 Communications Programme

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

2.2.2.8 Maintenance Programme

The licensee shall establish and maintain, within six months of the date of grant of this licence, a structured programme for maintenance and service of vehicles and equipment. This programme shall be supported by appropriate record-keeping systems and diagnostic testing. The licensee shall clearly allocate responsibility for the planning, management and execution of all aspects of this programme to appropriate personnel (see Condition 2.1 above).

2.2.2.9 Efficient Process Control

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

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

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Condition 3. Infrastructure and Operation

3.1 The licensee shall establish all infrastructure referred to in this licence as required by the conditions of this licence. Infrastructure specified in the application which relates to the environmental performance of the installation and is not specified in the licence, shall be installed in accordance with the schedule submitted in the application.

3.2 Specified Engineering Works

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

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

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

- (i) A description of the works;
- (ii) As-built drawings of the works;
- (iii) Records and results of all tests carried out (including failures);
- (iv) Drawings and sections showing the location of all samples and tests carried out;
- (v) Daily record sheets/diary;
- (vi) Name(s) of contractor(s)/individual(s) responsible for undertaking the specified engineering works;
- (vii) Records of any problems and the remedial works carried out to resolve those problems; and
- (viii) Any other information requested in writing by the Agency.

3.3 Facility Notice Board

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

3.3.2 The board shall clearly show:

- (i) the name and telephone number of the facility;
- (ii) the normal hours of operation;
- (iii) the name of the licence holder;
- (iv) an emergency out of hours contact telephone number;
- (v) the licence reference number; and
- (vi) where environmental information relating to the facility can be obtained.

- 3.3.3 A plan of the facility clearly identifying the location of each storage and treatment area shall be displayed as close as is possible to the entrance to the facility. The plan shall be displayed on a durable material such that it is legible at all times. The plan shall be replaced as material changes to the facility are made.
- 3.4 Facility Security
- 3.4.1 Security and stockproof fencing and gates shall be maintained at the facility. The base of the fencing shall be set in the ground.
- 3.4.2 Gates shall be locked shut when the facility is unsupervised.
- 3.4.3 The licensee shall remedy any defect in the gates and/or fencing as follows:
- (i) A temporary repair shall be made by the end of the working day; and
 - (ii) A repair to the standard of the original gates and/or fencing shall be undertaken within three working days.
- 3.5 Facility Roads and Site Surfaces
- 3.5.1 Effective site roads shall be provided and maintained to ensure the safe and nuisance-free movement of vehicles within the facility.
- 3.5.2 The licensee shall provide and maintain an impermeable concrete surface in all areas of the facility. The surfaces shall be concreted and constructed to British Standard 8110 or an alternative as agreed by the Agency.
- 3.5.3 Traffic layout at the facility shall be such that emergency services' vehicles shall have access to all parts of the facility at all times.
- 3.6 Facility Office
- 3.6.1 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.
- 3.6.2 The licensee shall provide and maintain a working telephone and a method for electronic transfer of information at the facility.
- 3.7 Waste Inspection and Quarantine Areas
- 3.7.1 Waste inspection areas and separate waste quarantine areas shall be provided and maintained at the facility.
- 3.7.2 These areas shall be constructed and maintained in a manner suitable, and be of a size appropriate, for the inspection of waste and subsequent quarantine, if required. The waste inspection areas and the waste quarantine areas shall be clearly identified and segregated from each other.
- 3.7.3 The waste quarantine areas shall be secured, bunded and surfaced to deal with spillages.
- 3.8 Weighbridge and Vehicle Wash Area
- 3.8.1 The licensee shall provide and maintain a weighbridge and a vehicle wash area at the facility.
- 3.8.2 The vehicle wash area shall be used by all vehicles leaving the facility as required, to ensure that no wastewater or waste is carried off-site. All water from the vehicle wash area shall be directed to the wastewater drainage system.

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- 3.8.3 The vehicle 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 vehicle wash and disposed of appropriately.
- 3.9 Waste handling, ventilation and processing plant
- 3.9.1 Items of plant deemed critical to the efficient and adequate processing of waste at the facility (including *inter alia* waste loading vehicles and ejector trailers) shall be provided on the following basis:-
- (i) 100% duty capacity;
 - (ii) 20% standby capacity available on a routine basis; and
 - (iii) Provision of contingency arrangements and/or back up and spares in the case of breakdown of critical equipment.
- 3.9.2 Within three months of the date of grant of this licence, the licensee shall provide an updated 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: Limitations*, of this licence.
- 3.9.3 The quantity of waste to be accepted at the facility on a daily basis shall not exceed the duty capacity of the equipment at the facility. Any exceedence of this intake shall be treated as an incident.
- 3.10 Hazardous Waste Storage Areas and Tank, Container and Drum Storage Areas
- 3.10.1 All hazardous waste storage areas and all tank, container and drum storage areas shall be rendered impervious to the materials stored therein. Bunds should be designed having regard to Agency guidelines 'Storage and Transfer of Materials for Scheduled Activities' (2004).
- 3.10.2 All hazardous waste storage areas and all tank, container and drum storage areas shall, as a minimum, be bunded, either locally or remotely, to a volume not less than the greater of the following:
- (i) 110% of the capacity of the largest tank or drum within the bunded area; or
 - (ii) 25% of the total volume of substance which could be stored within the bunded area.
- 3.10.3 All drainage from bunded areas shall be treated as hazardous waste unless it can be demonstrated to be otherwise. All drainage from bunded areas shall be diverted for collection and safe disposal.
- 3.10.4 All inlets, outlets, vent pipes, valves and gauges must be within the bunded area.
- 3.10.5 All tanks, containers and drums shall be labelled to clearly indicate their contents.
- 3.11 The licensee shall install on all emission points such sampling points or equipment, including any data-logging or other electronic communication equipment, as may be required by the Agency. All such equipment shall be consistent with the safe operation of all sampling and monitoring systems.
- 3.12 In the case of composite sampling of aqueous emissions from the operation of the facility a separate composite sample or homogeneous sub-sample (of sufficient volume as advised) should be refrigerated immediately after collection and retained as required for EPA use.

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- 3.13 The licensee shall clearly label and provide safe and permanent access to all on-site sampling and monitoring points and to off-site points as required by the Agency.
- 3.14 The licensee shall have in storage an adequate supply of containment booms and/or suitable absorbent material to contain and absorb any spillage at the facility. Once used the absorbent material shall be disposed of at an appropriate facility.
- 3.15 The licensee shall maintain silt traps and oil separators at the facility to ensure that all surface water run-off and wastewater (excluding toilet and canteen wastewater) discharges from the facility pass through a silt trap and oil interceptor prior to discharge. For discharges to surface water, the interceptors shall be a Class I full retention interceptor, which shall be fitted with a manual shut-off valve. For discharges to sewer, the interceptor shall be a Class II full retention interceptor. The silt traps and interceptors shall be in accordance with I.S. EN 858-2:2003 (separator systems for light liquids).
- 3.16 Fire-water Retention
- 3.16.1 In the event of a fire or a spillage to storm water, the site storm water shall be diverted to the firewater retention tank.
- 3.16.2 The licensee shall have regard to the Environmental Protection Agency Draft Guidance Note to Industry on the Requirements for Fire-Water Retention Facilities.
- 3.17 All pump sumps, storage tanks or other treatment plant chambers from which spillage of environmentally significant materials might occur in such quantities as are likely to breach local or remote containment or separator, shall be fitted with high liquid level alarms (or oil detectors as appropriate).
- 3.18 The provision of a catchment system to collect any leaks from flanges and valves of all over-ground pipes used to transport material other than water shall be examined. This shall be incorporated into a schedule of objectives and targets set out in Condition 2.2 of this licence for the reduction in fugitive emissions.
- 3.19 All wellheads, as shown on Figure 7.1 *Environmental Monitoring Location* of the licence application shall be adequately protected to prevent contamination or physical damage.
- 3.20 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.
- 3.21 The licensee shall, within three months of the date of grant of this licence, install in a prominent location on the site a wind sock, or other wind direction indicator, which shall be visible from the public roadway outside the site.

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

Condition 4. Interpretation

4.1 Emission limit values for emissions to atmosphere in this licence shall be interpreted in the following way:

4.1.1 Non-Continuous Monitoring

- (i) For any parameter where, due to sampling/analytical limitations, a 30 minute sample is inappropriate, a suitable sampling period should be employed and the value obtained therein shall not exceed the emission limit value.
- (ii) For flow, no hourly or daily mean value, calculated on the basis of appropriate spot readings, shall exceed the relevant limit value.
- (iii) For all other parameters, no 30 minute mean value shall exceed the emission limit value.
- (iv) Mass flow thresholds refer to a rate of discharge expressed in units of kg/h, above which the concentration emission limit value applies. Mass flow threshold rates shall be determined on the basis of a single 30 minute measurement (i.e. the concentration determined as a 30 minute average shall be multiplied by an appropriate measurement of flow and the result shall be expressed in units of kg/h).
- (v) Mass flow limits shall be calculated on the basis of the concentration, determined as an average over the specified period, multiplied by an appropriate measurement of flow. No value, so determined, shall exceed the mass flow limit value.

4.2 The concentration and volume flow limits for emissions to atmosphere specified in this licence shall be achieved without the introduction of dilution air and shall be based on gas volumes under standard conditions of:

In the case of non-combustion gases:

Temperature 273.15K, Pressure 101.3 kPa (no correction for oxygen or water content).

4.3 Emission limit values for emissions to sewer in this licence shall be interpreted in the following way:

4.3.1 Continuous Monitoring

- (i) No flow value shall exceed the specified limit.

4.3.2 Non-Continuous Monitoring

- (i) No pH value shall deviate from the specified range.
- (ii) No temperature value shall exceed the emission limit value.
- (iii) 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.

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

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- 4.5 Noise from the facility shall not give rise to sound pressure levels (Leq,T) measured at the boundary of the facility which exceed the limit values.
- 4.6 Dust and particulate matter from the activity shall not give rise to deposition levels which exceed the limit value.

Reason: To clarify the interpretation of limit values fixed under the licence and to provide for the requirements of the Water Services Authority in accordance with Section 52 of the Waste Management Acts 1996 to 2007.

Condition 5. Emissions

- 5.1 No specified emission from the facility shall exceed the emission limit values set out in *Schedule B: Emission Limits* of this licence. There shall be no other emissions of environmental significance.
- 5.2 No emissions, including odours, from the activities carried on at the site shall result in an impairment of, or an interference with amenities or the environment beyond the facility boundary or any other legitimate uses of the environment beyond the facility boundary.
- 5.3 The licensee shall ensure that all or any of the following:
- vermin
 - birds
 - flies
 - mud
 - dust
 - litter

associated with the activity do not result in an impairment of, or an interference with amenities or the environment at the facility or beyond the facility boundary or any other legitimate uses of the environment beyond the facility boundary. Any method used by the licensee to control or prevent any such impairment/interference shall not cause environmental pollution.

- 5.4 No wastewater and/or contaminated surface water run-off shall be discharged to surface water drains and courses.
- 5.5 There shall be no direct emissions to groundwater.
- 5.6 Emissions to Sewer
- 5.6.1 The licensee shall at no time discharge or permit to be discharged into the sewer any liquid matter or thing that is or may be liable to set or congeal at average sewer temperature or is capable of giving off any inflammable or explosive gas or any acid, alkali or other substance in sufficient concentration to cause corrosion to sewer pipes, penstock and sewer fittings or the general integrity of the sewer.
- 5.6.2 Materials classifiable as "Hazardous Wastes" under the Waste Management Acts 1996 to 2007, shall not be discharged to sewer.
- 5.6.3 Trade effluent shall be screened prior to discharge to remove gross solids and avoid blockages in the sewer.
- 5.6.4 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.

- 5.6.5 Non-trade effluent wastewater (e.g. firewater, accidental spillages) which occurs on site shall not be discharged to the sewer without the prior authorisation of the Water Services Authority.
- 5.6.6 The licensee shall maintain, or have maintained, the effluent treatment system, to comply with the requirements of this licence. Records of maintenance and desludging operations shall be kept on site for inspection purposes.
- 5.6.7 No substance shall be present in such concentration as would constitute a danger to sewer maintenance personnel working in the sewerage system or would be damaging to the fabric of the sewer, or would interfere with the biological functioning of a downstream wastewater treatment plant.

Reason: To provide for the protection of the environment by way of control and limitation of emissions and to provide for the requirements of the Water Services Authority in accordance with Section 52 of the Waste Management Acts 1996 to 2007.

Condition 6. Control and Monitoring

- 6.1 The licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as set out below and as in accordance with *Schedule C: Control & Monitoring* of this licence:
- 6.1.1 Analysis shall be undertaken by competent staff in accordance with documented operating procedures.
- 6.1.2 Such procedures shall be assessed for their suitability for the test matrix and performance characteristics determined;
- 6.1.3 Such procedures shall be subject to a programme of Analytical Quality Control using control standards with evaluation of test responses;
- 6.1.4 Where analysis is sub-contracted it shall be to a competent laboratory.
- 6.2 The licensee shall ensure that:
- (i) sampling and analysis for all parameters listed in the Schedules to this licence, and
- (ii) any reference measurement methods to calibrate automated measurement systems,
- shall be carried out in accordance with CEN-standards. If CEN standards are not available, ISO, national or international standards which will ensure the provision of data of an equivalent scientific quality shall apply.
- 6.3 Test Programme
- 6.3.1 The licensee shall prepare, to the satisfaction of the Agency, a test programme for any odour abatement equipment installed at the facility. This programme shall be submitted to the Agency in advance of implementation.
- 6.3.2 This programme, following agreement with the Agency, shall be completed within three months of the commencement of operation of the abatement equipment.
- 6.3.3 The criteria for the operation of the abatement equipment as determined by the test programme, shall be incorporated into the standard operating procedures.

6.3.4 The test programme shall as a minimum:

- (i) Establish all criteria for operation, control and management of the abatement equipment to ensure compliance with the emission limit values specified in this licence.
- (ii) Assess the performance of the abatement system and establish a maintenance and calibration programme for each monitor.

A report on the test programme shall be submitted to the Agency within one month of completion.

- 6.4 All automatic monitors and samplers shall be functioning at all times (except during maintenance and calibration) when the activity is being carried on unless alternative sampling or monitoring has been agreed in writing by the Agency for a limited period. In the event of the malfunction of any continuous monitor, the licensee shall contact the Agency as soon as practicable, and alternative sampling and monitoring facilities shall be put in place. Agreement for the use of alternative equipment, other than in emergency situations, shall be obtained from the Agency.
- 6.5 Monitoring and analysis equipment shall be operated and maintained as necessary so that monitoring accurately reflects the emission/discharge or ambient conditions.
- 6.6 The licensee shall ensure that groundwater monitoring well sampling equipment is available/installed on-site and is fit for purpose at all times. The sampling equipment shall be to Agency specifications.
- 6.7 All treatment/abatement and emission control equipment shall be calibrated and maintained in accordance with the instructions issued by the manufacturer/supplier or installer. Written records of the calibrations and maintenance shall be made and kept by the licensee.
- 6.8 The licensee shall maintain all waste processing equipment and infrastructure in accordance with the manufacturers instructions.
- 6.9 The frequency, methods and scope of monitoring, sampling and analyses, as set out in this licence, may be amended with the agreement of the Agency following evaluation of test results.
- 6.10 The licensee shall prepare a programme, to the satisfaction of the Agency, for the identification and reduction of fugitive emissions using an appropriate combination of best available techniques. This programme shall be included in the Environmental Management Programme.
- 6.11 The licensee shall carry out daily visual inspections of all bunded areas to detect any possible spillages. The licensee shall carry out weekly visual inspections to assess all bunds and hardstanding areas for structural soundness and cracking/damage.
- 6.12 The integrity and water tightness of all bunding structures, tanks, containers and underground pipes and their resistance to penetration by water or other materials carried or stored therein shall be tested and demonstrated by the licensee. This testing shall be carried out by the licensee at least once every three years and reported to the Agency on each occasion. This testing shall be carried out in accordance with any guidance published by the Agency. A written record of all integrity tests and any maintenance or remedial work arising from them shall be maintained by the licensee.
- 6.13 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.

- 6.14 All foul sewer 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.
- 6.15 There shall be no direct wastewater discharge to sewer from the Drum Recovery Centre and the Hazardous Waste Transfer Station, without the agreement of the Agency and Water Services Authority. Wastewater from these areas shall be treated as hazardous waste unless it can be demonstrated to be otherwise. Such wastewater shall be disposed of in a safe and appropriate manner.
- 6.16 The vehicle 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.
- 6.17 Storm Water
- 6.17.1 Surface water run-off from the vehicle wash area and the weighbridge area shall be discharged to the wastewater drainage system.
- 6.17.2 Surface water run-off from all areas other than the weighbridge area and the vehicle wash area shall be discharged to the surface water run-off drainage system.
- 6.17.3 A visual examination of the storm water discharge shall be carried out daily. A log of such inspections shall be maintained.
- 6.18 The licensee shall engage a suitably qualified person(s) to carry out a review of groundwater monitoring at the facility (as per Agency correspondence dated 25/04/07, ref.: W0192-01\rf01\ah.doc). The licensee shall submit a report to the Agency, within three months of the date of grant of this licence, on the findings of the groundwater monitoring review. Any recommendations arising from the report or reports on groundwater investigations must be implemented within such a period and in a manner to be agreed by the Agency.
- 6.19 The licensee shall carry out a noise survey of the site operations annually. The survey programme shall be undertaken in accordance with the methodology specified in the 'Environmental Noise Survey Guidance Document' as published by the Agency.
- 6.20 The licensee shall prepare and report a Pollutant Release and Transfer Register (PRTR) for the site. The substances and/or waste to be included in the PRTR shall be agreed by the Agency each year by reference to EC Regulation No. 166/2006 concerning the establishment of the European Pollutant Release and Transfer Register and amending Council Directives 91/689/EEC and 96/61/EC. The PRTR shall be prepared in accordance with any relevant guidelines issued by the Agency and shall be submitted electronically in specified format and as part of the AER.
- 6.21 Processing of aqueous, hydrocarbon and sludge wastes
- 6.21.1 The processing of aqueous, hydrocarbon and sludge waste at the Hydrocarbon Waste Treatment Centre shall be carried out as described in Section 2.3.2 *Hydrocarbon Waste Treatment Centre* of the EIS submitted with the application, unless otherwise agreed by the Agency.
- 6.21.2 The heating of waste oils shall be carried out at the appropriate temperature so as to avoid their combustion. A safety cutoff temperature detection unit shall be installed on the oil heating tanks and calibrated annually. A calibration certification shall be submitted as part of the AER.

- 6.22 Wastewater Management
- 6.22.1 Treatment of wastewater from the Hydrocarbon Waste Treatment Centre shall be carried out as described in Section 2.3.2 *Hydrocarbon Waste Treatment Centre* of the EIS submitted with the application, unless otherwise agreed by the Agency.
- 6.22.2 Discharge of wastewater from the Hydrocarbon Waste Treatment Centre to the wastewater drainage network shall cease in the event of a breakdown of the on-site wastewater treatment system and the wastewater shall be tankered off-site in fully enclosed road tankers for disposal at an agreed Wastewater Treatment Plant or other authorised facility to be agreed by the Agency.
- 6.22.3 Wastewater stored in the on-site storage tanks and/or wastewater that is unsuitable for discharge to sewer shall be tankered off-site in fully enclosed road tankers for disposal at an authorised facility to be agreed with the Agency.
- 6.23 Operational Controls
- 6.23.1 No waste shall have a retention time at the facility in excess of six months, unless otherwise agreed by the Agency.
- 6.23.2 The floor of the Drum Recovery Centre, Hydrocarbon Waste Treatment Centre and Hazardous Waste Transfer Building shall be washed down and cleared of all waste on a regular basis or at such time intervals as agreed by the Agency.
- 6.23.3 Scavenging shall not be permitted at the facility.
- 6.23.4 The licensee shall provide and use adequate lighting during the operation of the facility in the hours of darkness.
- 6.23.5 The licensee shall take precautions to prevent accidental ignition or reaction of ignitable or reactive wastes. 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. heat-producing chemical reactions) and radiant heat.
- 6.23.6 There shall be no unauthorised public access to the facility.
- 6.24 Litter Control
- 6.24.1 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 10.00am of the next working day after such waste is discovered.
- 6.24.2 The licensee shall ensure that all vehicles delivering waste to and removing waste and materials from the facility are appropriately covered.
- 6.24.3 The road network in the vicinity of the facility shall be kept free from any debris caused by vehicles entering or leaving the facility. Any such debris or deposited material shall be removed without delay.
- 6.25 Dust & Odour Control
- 6.25.1 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.

- 6.25.2 The licensee shall install and provide adequate measures for the control of odours and dust emissions, including fugitive dust emissions, from the facility. Such measures shall at a minimum include the following:-
- 6.25.2.1 Dust curtains (or equivalent as approved by the Agency) shall be maintained on the entry/exit points from the waste facility buildings. All other doors in these buildings shall be kept closed where possible.
- 6.25.2.2 Installation of an odour management system.
- 6.25.2.3 Provision of 100% duty capacity and 50% stand by capacity, back ups and spares must be provided for the air handling, ventilation and abatement plant.
- 6.26 Within three months of the date of grant of this licence, the licensee shall provide an Odour Assessment Report to the Agency. The report shall:
- (i) Identify and quantify sources of odorous emissions;
 - (ii) Identify the remedial measures necessary to eliminate, control, contain, duct and treat odours, as appropriate.
- The odour assessment shall be undertaken by a suitably qualified person and the report shall include recommendations, as appropriate. Any recommendations contained in the report shall be carried out within a timeframe to be agreed with the Agency.
- 6.27 The licensee shall, at a minimum of one week intervals, inspect the facility and its immediate surrounds for nuisances caused by litter, mud, dust and odours.
- 6.28 The licensee shall maintain a Data Management System for collation, archiving, assessing and graphically presenting the environmental monitoring data generated as a result of this licence.
- 6.29 The licensee shall permit authorised persons of the Agency and Water Services Authority to inspect, examine and test, at all reasonable times, any works and apparatus installed in connection with the process effluent, and to take samples of the process effluent.

Reason: *To provide for the protection of the environment by way of treatment and monitoring of emissions and to provide for the requirements of the Water Services Authority in accordance with Section 52 of the Waste Management Acts 1996 to 2007.*

Condition 7. Resource Use and Energy Efficiency

- 7.1 Energy Efficiency
- 7.1.1 The recommendations of the energy efficiency audit report (dated 30th October 2006) shall be incorporated into the Schedule of Environmental Objectives and Targets under Condition 2.2.2.2 above.
- 7.1.2 The energy efficiency audit shall be repeated at intervals as required by the Agency. The audit shall be carried out in accordance with the guidance published by the Agency, "Guidance Note on Energy Efficiency Auditing".
- 7.1.3 The audit shall identify all opportunities for energy use reduction and efficiency and the recommendations of the audit will be incorporated into the Schedule of Environmental Objectives and Targets under Condition 2.2.2.2 above.
- 7.2 The licensee shall identify opportunities for reduction in the quantity of water used on site including recycling and reuse initiatives, wherever possible. Reductions in water usage shall be incorporated into the Schedule of Environmental Objectives and Targets under Condition 2.2.2.2 above.
- 7.3 The licensee shall undertake an assessment of the efficiency of use of raw materials in all processes, having particular regard to the reduction in waste generated. The assessment should take account of best international practice for this type of activity. Where improvements are identified, these shall be incorporated into the Schedule of Environmental Objectives and Targets under Condition 2.2.2.2 above.

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

Condition 8. Materials Handling

- 8.1 All waste processing shall be carried out indoors, in a designated building appropriate for the waste stream.
- 8.2 Disposal or recovery of waste on-site shall only take place in accordance with the conditions of this licence and in accordance with the appropriate National and European legislation and protocols.
- 8.3 Waste sent off-site for recovery or disposal shall be transported only by an authorised waste contractor. The waste shall be transported from the site of the activity to the site of recovery/disposal only in a manner that will not adversely affect the environment and in accordance with the appropriate National and European legislation and protocols.
- 8.4 The licensee shall ensure that waste, in advance of transfer to another person, shall be classified, packaged and labelled in accordance with National, European and any other standards which are in force in relation to such labelling.
- 8.5 The loading and unloading of materials shall be carried out in designated areas protected against spillage and leachate run-off.
- 8.6 Waste shall be stored in designated areas, protected as may be appropriate against spillage and leachate run-off. The waste is to be clearly labelled and appropriately segregated.

- 8.7 No waste classified as green list waste in accordance with the EU Shipments of Waste Regulations (EC Regulation No. 1013/2006, as may be amended) shall be consigned for recovery without the agreement of the Agency.
- 8.8 Waste for disposal/recovery off-site shall be analysed in accordance with *Schedule C: Control & Monitoring* of this licence.
- 8.9 Waste Acceptance and Characterisation Procedures
- 8.9.1 Waste shall only be accepted at the facility from Local Authority waste collection or transport vehicles or holders of waste permits, unless exempted or excluded, issued under the Waste Management (Collection Permit) Regulations 2001. Copies of these waste collection permits shall be maintained at the facility.
- 8.9.2 The licensee shall maintain detailed written procedures and criteria for the acceptance, handling, sampling and bulking of all wastes to include decontamination, labelling, compatibility testing, analysis, weighing, documentation, transfer, storage and record keeping.
- 8.9.3 Hazardous wastes that are accepted at the facility as per *Schedule A.2: Waste Acceptance* of this licence, and fuels shall only be stored at appropriately banded locations at the facility.
- 8.9.4 All waste accepted at the facility shall fulfil the waste acceptance criteria, as required by Condition 8.9.2.
- 8.9.5 No hazardous waste may be accepted at the Hazardous Waste Transfer Station unless;
- (i) The licensee has been notified in advance of the types of waste (including EWC Codes) and the date of delivery;
 - (ii) The waste has been appropriately labelled using the relevant EWC Codes;
 - (iii) An effective procedure for accepting and handling the waste is in place and satisfactory staff training in the implementation of that procedure has been undertaken;
 - (iv) The waste has been classified in accordance with the UN publication "Recommendations on the Transport of Hazardous Goods: Model Regulations" as amended and fully characterised. Where necessary, and particularly in the case of new customers or waste types, its characteristics and hazardous properties have been confirmed by the licensee by sampling and analysis in advance of arrival at the facility;
 - (v) A suitable designated storage area is immediately available at the Hazardous Waste Transfer Station; and
 - (vi) 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.
- 8.9.6 Each load of waste arriving at the facility shall be inspected at the point of entry to the facility and subject to this inspection, weighed, documented and directed to the Drum Recovery Centre, Hydrocarbon Waste Treatment Centre or Hazardous Waste Transfer Station. Only after such inspections shall the waste be unloaded for storage or processed for disposal or recovery.
- 8.9.7 All waste deemed unsuitable for storage or processing at the facility and/or in contravention of this licence shall be immediately separated and removed from the facility at the earliest possible time. Temporary storage

of such wastes shall be in a designated Waste Quarantine Area. Waste shall be stored under appropriate conditions in the quarantine area to avoid putrefaction, odour generation, the attraction of vermin and any other nuisance or objectionable condition.

- 8.9.8 A record of all inspections of incoming waste loads shall be maintained.
- 8.9.9 Waste shall be accepted at the facility only from known customers or new customers subject to initial waste profiling and waste characterisation off-site. The written records of this off-site waste profiling and characterisation shall be retained by the licensee for all active customers and for a two year period following termination of licensee/customer agreements.
- 8.10 Labelling of containers, drums and tanks
- 8.10.1 No container (including drums and tanks) whose contents are unknown and whose contents are not clearly displayed on the label, shall be accepted at the facility.
- 8.10.2 All containers, including waste and fuel storage tanks and drums, shall be labelled to clearly indicate their contents. During storage, each container shall be accessible and shall be so placed to allow for the reading of the label.
- 8.10.3 All hazardous waste containers shall be uniquely marked with an identification code using indelible or other permanent or electronic markings. All containers shall be marked or labelled to clearly indicate their contents. All previous markings and labels shall be defaced or crossed out.
- 8.11 Waste Repackaging
- 8.11.1 All containers accepted at the facility shall be whole and sound. Any leaking or otherwise ruptured drums or containers shall immediately be overdrummed or the contents transferred to a sound container in a manner which will not adversely affect the environment. This operation shall only be carried out in bunded areas such that any spillage arising from the activity may be contained and collected.
- 8.11.2 All operations involving the transfer of contents referred to in Condition 8.11.1 shall take place indoors, protected against spillage, in a designated area to be agreed with the Agency. Appropriate control measures shall be put in place to minimise any emissions which may arise from such activity.
- 8.12 Waste and Chemical Storage Tracking System
- 8.12.1 An electronic waste and chemical storage tracking system shall be maintained at the facility.
- 8.12.2 The waste storage tracking system shall illustrate the location, identification code, volume and content of all waste containers held at the facility. The chemical storage tracking system shall illustrate the location, volume and content of all chemical containers whose volume exceeds 25 litres held at the facility.
- 8.12.3 The waste and chemical storage tracking system shall be updated daily by the end of each working day and shall be verified as updated by an authorised person or a nominated deputy as identified under Condition 2.1.1.

- 8.13 Blending/Mixing/Bulking of Hazardous Wastes
- 8.13.1 Unless approved in writing by the Agency, the licensee is prohibited from mixing a hazardous waste of one category with a hazardous waste of another category or with any other non-hazardous waste.
- 8.13.2 Blending, mixing or bulking up of hazardous solids or liquid waste shall only be carried out inside the Hazardous Waste Transfer Station.
- 8.13.3 The compatibility of wastes to be bulked-up shall be established prior to such bulking-up taking place. The procedures to be in place under Condition 8.9.2 shall consider any compatibility testing that may be required, including, as far as is possible, the identification of any potentially abnormal or unusual situations.
- 8.13.4 Records shall be maintained of all compatibility tests carried out.

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

Condition 9. Accident Prevention and Emergency Response

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

9.4 Emergencies

- 9.4.1 In the event of a breakdown of equipment or any other occurrence which results in the closure of the facility, 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 facility 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.
- 9.4.4 In the event that monitoring of local wells indicates that the facility is having a significant adverse effect on the quantity and/or quality of the water supply this shall be treated as an emergency and the licensee shall provide an alternative supply of water to those affected.

Reason: To provide for the protection of the environment.

Condition 10. Decommissioning Management

- 10.1 Following termination, or planned cessation for a period greater than six months, of use or involvement of all or part of the site in the licensed activity, the licensee shall, to the satisfaction of the Agency, decommission, render safe or remove for disposal/recovery, any soil, subsoils, buildings, plant or equipment, or any waste, materials or substances or other matter contained therein or thereon, that may result in environmental pollution.
- 10.2 Decommissioning Management Plan
- 10.2.1 The licensee shall prepare, to the satisfaction of the Agency, a fully detailed and costed plan for the decommissioning or closure of the site or part thereof. This plan shall be submitted to the Agency for agreement within six months of the date of grant of this licence.
- 10.2.2 The plan shall be reviewed annually and proposed amendments thereto notified to the Agency for agreement as part of the AER. No amendments may be implemented without the agreement of the Agency.
- 10.2.3 The licensee shall have regard to the Environmental Protection Agency Guidance on Environmental Liability Risk Assessment, Residuals Management Plans and Financial Provision when implementing Conditions 10.2.1 and 10.2.2 above.
- 10.3 The Decommissioning Management Plan shall include, as a minimum, the following:
- (i) A scope statement for the plan.
 - (ii) The criteria that define the successful decommissioning of the activity or part thereof, which ensures minimum impact on the environment.
 - (iii) A programme to achieve the stated criteria.
 - (iv) Where relevant, a test programme to demonstrate the successful implementation of the decommissioning plan.
 - (v) Details of the costings for the plan and the financial provisions to underwrite those costs.

- 10.4 A final validation report to include a certificate of completion for the Decommissioning Management Plan, for all or part of the site as necessary, shall be submitted to the Agency within three months of execution of the plan. The licensee shall carry out such tests, investigations or submit certification, as requested by the Agency, to confirm that there is no continuing risk to the environment.

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

Condition 11. Notifications, Records and Reports

- 11.1 The licensee shall notify the Agency by both telephone and facsimile, if available, to the Agency's headquarters in Wexford, or to such other Agency office as may be specified by the Agency, as soon as practicable after the occurrence of any of the following:
- (i) Any release of environmental significance to atmosphere from any potential emission point including bypasses.
 - (ii) Any emission which does not comply with the requirements of this licence.
 - (iii) Any malfunction or breakdown of key control equipment or monitoring equipment set out in *Schedule C: Control & Monitoring* which is likely to lead to loss of control of the abatement system.
 - (iv) Any incident with the potential for environmental contamination of surface water or groundwater, or posing an environmental threat to air or land, or requiring an emergency response by the Local Authority.
- The licensee shall include as part of the notification, date and time of the incident, summary details of the occurrence, and where available, the steps taken to minimise any emissions.
- 11.2 In the event of any incident which relates to discharges to sewer having taken place, or posing a threat to personnel working in connection with a sewer, the licensee shall notify the Water Services Authority as soon as practicable, after such an incident.
- 11.3 In the case of any incident which relates to discharges to water, the licensee shall notify the Water Services Authority, Local Authority and the Eastern Regional Fisheries Board as soon as practicable after such an incident.
- 11.4 The licensee shall notify the Local Authority of any incident with the potential for environmental contamination of surface water or groundwater, or posing a threat to land, or requiring an emergency response by the Local Authority.
- 11.5 The licensee shall make a record of any incident. This record shall include details of the nature, extent, and impact of, and circumstances giving rise to, the incident. The record shall include all corrective actions taken to manage the incident, minimise wastes generated and the effect on the environment, and avoid recurrence. The licensee shall, as soon as practicable following incident notification, submit to the Agency the incident record.
- 11.6 The licensee shall record all complaints of an environmental nature related to the operation of the facility. Each such record shall give details of the date and time of the complaint, the name of the complainant (if provided), and give details of the nature of the complaint. A record shall also be kept of the response made in the case of each complaint.

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- 11.7 The licensee shall record all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence and all other such monitoring which relates to the environmental performance of the facility.
- 11.8 The licensee shall as a minimum keep the following documents at the site:
- (i) the licences relating to the facility;
 - (ii) the current EMS for the facility;
 - (iii) the previous year's AER for the facility;
 - (iv) records of all sampling, analyses, measurements, examinations, calibrations and maintenance carried out in accordance with the requirements of this licence and all other such monitoring which relates to the environmental performance of the facility;
 - (v) relevant correspondence with the Agency;
 - (vi) up to date site drawings/plans showing the location of key process and environmental infrastructure, including monitoring locations and emission points;
 - (vii) all waste acceptance procedures produced by the licensee which relate to the licensed activities;
 - (viii) up to date Standard Operational Procedures for all processes, plant and equipment necessary to give effect to this licence or otherwise to ensure that standard operation of such processes, plant or equipment does not result in unauthorised emissions to the environment;
 - (ix) Any elements of licence application or EIS documentation referenced in this licence.
- and this documentation shall be available to the Agency for inspection at all reasonable times.
- 11.9 The licensee shall submit to the Agency, by the 31st March of each year, an AER covering the previous calendar year. This report, which shall be to the satisfaction of the Agency, shall include as a minimum the information specified in *Schedule F: Annual Environmental Report* of this licence and shall be prepared in accordance with any relevant guidelines issued by the Agency.
- 11.10 A full record, which shall be open to inspection by authorised persons of the Agency at all times, shall be kept by the licensee on matters relating to the waste management operations and practices at this site. This record shall be maintained on a monthly basis and shall as a minimum contain details of the following:
- (i) The tonnages and EWC Code for the waste materials imported and/or sent off-site for disposal/recovery.
 - (ii) The names of the agent and carrier of the waste, and their waste collection permit details, if required (to include issuing authority and vehicle registration number).
 - (iii) The name of the waste facility (if appropriate) from which incoming waste loads originated, including the waste licence or waste permit register number.
 - (iv) Details of the ultimate disposal/recovery destination facility for the waste and its appropriateness to accept the consigned waste stream, to include its permit/licence details and issuing authority, if required.
 - (v) Written confirmation of the acceptance and disposal/recovery of any hazardous waste consignments sent off-site.

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- (vi) Details of all wastes consigned abroad for Recovery and classified as 'Green' in accordance with the EU Shipments of Waste Regulations (EC Regulation No. 1013/2006, as may be amended). The rationale for the classification must form part of the record.
- (vii) Where applicable, a consignment note number (including Transfrontier Shipment notification and movement/tracking form numbers, as appropriate).
- (viii) Details of any rejected consignments.
- (ix) Details of any approved waste mixing.
- (x) The results of any waste analyses required under *Schedule C: Control & Monitoring*, of this licence.
- (xi) The tonnages and EWC Code for the waste materials recovered/disposed on-site.
- 11.11 A record shall be kept of each consignment of wastewater removed from the facility. The record shall include the following:-
- (i) the name of the carrier;
- (ii) the date and time of removal of wastewater from the facility;
- (iii) the volume of wastewater, in cubic metres, removed from the facility on each occasion;
- (iv) the name and address of the Waste Water Treatment Plant or other authorised facility agreed by the Agency to which the wastewater was transported; and
- (v) any incidents or spillages of wastewater during its removal or transportation.
- 11.12 The following records shall be maintained by the licensee:-
- (i) 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;
- (ii) all training undertaken by facility staff;
- (iii) results from all integrity tests of bunds and other structures and any maintenance or remedial works arising from them;
- (iv) details of all nuisance inspections; and
- (v) 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.
- 11.13 The licensee shall submit report(s) as required by the conditions of this licence to the Agency's Headquarters in Wexford, or to such other Agency office as may be specified by the Agency.
- 11.14 All reports shall be certified accurate and representative by the facility manager or a nominated, suitably qualified and experienced deputy.
- 11.15 The licensee shall submit trade effluent discharge monitoring results to the Water Services Authority on a quarterly basis.
- 11.16 All communication with the Local and Water Services Authority with regard to this licence and conditions relating to the discharge to sewer, water pollution control, submission of monitoring results or charges shall be in writing to the Senior Engineer, Water Services Department, County Hall, The Square, Tallaght, Dublin 24.

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

Condition 12. Financial Charges and Provisions

12.1 Agency Charges

12.1.1 The licensee shall pay to the Agency an annual contribution of €18,339, or such sum as the Agency from time to time determines, having regard to variations in the extent of reporting, auditing, inspection, sampling and analysis or other functions carried out by the Agency, towards the cost of monitoring the activity as the Agency considers necessary for the performance of its functions under the Waste Management Acts 1996 to 2007. The first payment shall be a pro-rata amount for the period from the date of this licence to the 31st day of December, and shall be paid to the Agency within one month from the date of the licence. In subsequent years the licensee shall pay to the Agency such revised annual contribution as the Agency shall from time to time consider necessary to enable performance by the Agency of its relevant functions under the Waste Management Acts 1996 to 2007, and all such payments shall be made within one month of the date upon which demanded by the Agency.

12.1.2 In the event that the frequency or extent of monitoring or other functions carried out by the Agency needs to be increased the licensee shall contribute such sums as determined by the Agency to defraying its costs in regard to items not covered by the said annual contribution.

12.2 Water Services Authority Charges

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

12.3 Environmental Liabilities

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

12.3.2 The Environmental Liabilities Risk Assessment shall be reviewed as necessary to reflect any significant change on site, and in any case every three years following initial agreement: review results are to be notified as part of the AER.

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

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

Reason: *To provide for adequate financing for monitoring and financial provisions for measures to protect the environment and to provide for the requirements of the Water Services Authority in accordance with Section 52 of the Waste Management Acts 1996 to 2007.*

SCHEDULE A: Limitations

A.1 Waste Activities

The following waste related processes are authorised:

- i. Recycling and reconditioning of industrial packaging (steel drums, plastic drums & IBCs);
- ii. Physical and chemical treatment of wastes;
- iii. Filtering and dewatering of waste oil;
- iv. Shredding, crushing, baling, repackaging processes;
- v. Packaging, handling, bulking, sizing, storage and transfer of waste.

No additions to these processes are permitted unless agreed in advance by the Agency.

A.2 Waste Acceptance

Table A.2 Waste Categories and Quantities

WASTE TYPE		MAXIMUM ^{Note 2} (TONNES PER ANNUM)
Non-Hazardous Wastes ^{Note 1}	Commercial Waste	500
	Construction & Demolition Waste	500
	Industrial Sludges	1,000
	Other Industrial Waste	3,000
Non-Hazardous Waste Total		5,000
Hazardous Wastes ^{Note 3}		
17 05 03 Soil and stones containing dangerous substances		60,000
13 05 03 Interceptor sludges		10,000
17 06 01 & 17 06 05 Insulation materials and construction materials containing asbestos		8,100
16 07 08 Wastes containing oil		2,000
16 10 01 Aqueous liquid waste containing dangerous substances		1,500
Other ^{Note 4}		24,400
Hazardous Waste Total		106,000
TOTAL		111,000

Note 1: Any proposals to accept other compatible non-hazardous waste types must be agreed in advance by the Agency.

Note 2: The quantities of the individual non-hazardous waste types may be adjusted, only with the agreement of the Agency, subject to the total annual non-hazardous waste quantity remaining the same.

Note 3: The quantities of the individual hazardous waste types may be adjusted, only with the agreement of the Agency, subject to the total annual hazardous waste quantity remaining the same.

Note 4: Hazardous waste types as detailed in Attachment H.1 of the application, or as may otherwise be agreed in advance by the Agency.

A.3 Solvent Usage

The quantity of organic solvents used at the facility shall not exceed 5 tonnes per annum.



SCHEDULE B: Emission Limits

B.1 Emissions to Air

Emission Point Reference No.: A1
Location: Drum Washer Stack
Volume to be emitted: Maximum in any one day: 44,982 m³
 Maximum rate per hour: 5,292 m³
Minimum discharge height: 13.7 m above ground

Parameter	Emission Limit Value
TA Luft Organics Class 1	20 mg/m ³ (for mass emissions > 0.1 kg/h of these compounds)
Total Organic Carbon (as C)	1 kg/hr

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Emission Point Reference No.: A2
Location: Paint Spray Booth Stack
Volume to be emitted: Maximum in any one day: 44,982 m³
 Maximum rate per hour: 5,292 m³
Minimum discharge height: 13.7 m above ground

Parameter	Emission Limit Value ^{Note 1}
TA Luft Organics Class 1	20 mg/m ³ (for mass emissions > 100 g/h of these compounds)
Total Organic Carbon (as C)	0.1 kg/hr



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Emission Point Reference No.: A3
Location: Drying Tunnel Stack
Volume to be emitted: Maximum in any one day: 21,420 m³
 Maximum rate per hour: 2,520 m³
Minimum discharge height: 13.7 m above ground

Parameter	Emission Limit Value ^{Note 1}
TA Luft Organics Class 1	20 mg/m ³ (for mass emissions > 100 g/h of these compounds)
Total Organic Carbon (as C)	0.3 kg/hr

B.2. Noise Emissions

Measured at the site boundary

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

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

B.3. Dust Emissions

Measured at monitoring points D1, D2, D3 & D4 shown on Figure 7.1 'Environmental Monitoring Location' of the Application.

Level (mg/m ² per day) ^{Note 1}
350

Note 1: 30 day composite sample with the results expressed as mg/m² per day.

B.4 Surface Water Discharge Limits

Measured at the surface water emission point SW3.

Parameter	Emission Limit Value
Mineral oils	5mg/l
Suspended Solids	35 mg/l

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B.5 Emission to Sewer

Emission Point Reference No.: SE-1 (previously labelled EFF2, Grid Ref. E301655, N228530)

Volume to be emitted: Maximum in any one day: 180 m³
 Maximum rate per hour: 40 m³

Parameter	Emission Limit Value		
	Grab Sample (mg/l)	Daily Mean Concentration (mg/l)	Daily Mean Loading (kg/day)
Temperature	42°C (max.)		
pH	6 – 10		
BOD	2,000	800	144
COD	4,000	1,600	288
Suspended Solids	500	400	72
Sulphates (as SO ₄)	1,000	1,000	180
Mineral Oils	10	10	1.8
Detergents (as MBAS)	100	100	18
Benzene	1	1	0.18
Toluene	1	1	0.18
Ethyl Benzene	1	1	0.18
o/p/m Xylenes	1	1	0.18
Zinc		3	0.60
Copper	1	1	0.18
Nickel	1	1	0.18
Chromium	1	1	0.18
Arsenic	0.5	0.5	0.09
Lead	0.2	0.2	0.04

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SCHEDULE C: Control & Monitoring

C.1.1 Control of Emissions to Air

There shall be no emissions to air of environmental significance.

C.1.2 Monitoring of Emissions to Air

Parameter	Monitoring Frequency	Analysis Method/Technique
T.A. Luft Organics Class 1	Annually ^{Note 1}	Adsorption/GCMS or other method to be agreed by the Agency.
Total organic carbon (as C)	Bi-annually ^{Note 1}	Adsorption/GCMS or other method to be agreed by the Agency.
Characterisation of VOC emissions	Annually ^{Note 1}	Adsorption/GCMS or other method to be agreed by the Agency.

Note 1: Monitoring must occur during periods of maximum discharge. Production records should be available to demonstrate that gas sampling took place during periods of maximum loading.

C.2 Noise Monitoring

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."

C.3 Dust Monitoring

Parameter (mg/m ² /day)	Monitoring Frequency	Analysis Method/Technique
Dust	Three times a year ^{Note 2}	Standard Method ^{Note 1}

Note 1: Standard method VD2119 (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.

C.4.1 Control of Emissions to Surface Water

Emission Control Location: SW3
Description of Treatment: Silt trap / Oil interceptor

Control Parameter	Monitoring	Key Equipment ^{Note 1}
Oil removal	Mineral oil content in water at discharge point	Class I Full Retention Oil Interceptor
Suspended solids		Silt traps

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



C.4.2 Monitoring of Surface Water Emissions

Emission Point Reference No.: SW3

Parameter	Monitoring Frequency	Analysis Method/Technique ^{Note 1}
Visual Inspection	Daily	Standard Method
pH	Quarterly	Electrometry
COD	Quarterly	Standard Method
Suspended Solids	Quarterly	Standard Method
Mineral Oils	Quarterly	Standard Method

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



a

C.5.1 Control of Emissions to Sewer

Emission Point Reference No.: SE-1
Description of Treatment: Wastewater Treatment
Equipment: Primary settlement, sludge processing, water treatment & oil recovery.

Control Parameter	Monitoring	Key Equipment ^{Note 1}
Suspended solids (influent)	Daily	Screens
Effluent transfer	Daily	Pumps
Suspended solids (primary settlement stage)	Daily	Primary settlement tanks
Sludge removal	Daily	Pump
Sludge dewatering	Daily	Centrifuge
Oil removal	Daily	Oil vacuum pump & tank
Suspended solids (flocculation stage)	Daily	Flocculation tanks Polyelectrolyte dosing pump Ferric aluminium sulphate dosing pump Mixing tanks Stirrers
pH (flocculation tanks)	Daily	pH monitor Sodium Hydroxide mixing tanks & pump

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

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C.5.2 Monitoring of Emissions to Sewer

Emission Point Reference No.: SE-1

Parameter	Monitoring Frequency	Analysis Method/Technique
Flow to sewer	During release	On-line flow meter with recorder / recording of tank volumes
Temperature	Monthly ^{Note 1}	Temperature probe
pH	Monthly ^{Note 1}	pH electrode/meter
Biochemical Oxygen Demand	Monthly ^{Note 2}	Standard Method
Chemical Oxygen Demand	Monthly ^{Note 2}	Standard Method
Suspended Solids	Monthly ^{Note 2}	Standard Method
Sulphates (as SO ₄)	Monthly ^{Note 2}	Standard Method
Mineral Oils	Monthly ^{Note 1}	Standard Method
Detergents (as MBAS)	Monthly ^{Note 1}	Standard Method
Benzene	Monthly ^{Note 1}	Standard Method
Toluene	Monthly ^{Note 1}	Standard Method
Ethyl Benzene	Monthly ^{Note 1}	Standard Method
o/m/p Xylenes	Monthly ^{Note 1}	Standard Method
Zinc	Monthly ^{Note 2}	Standard Method
Copper	Monthly ^{Note 2}	Standard Method
Nickel	Monthly ^{Note 2}	Standard Method
Chromium	Monthly ^{Note 2}	Standard Method
Arsenic	Monthly ^{Note 2}	Standard Method
Lead	Monthly ^{Note 2}	Standard Method

Note 1: Samples shall be collected by grab sampling.

Note 2: Samples shall be collected on a 24 hour flow proportional composite sampling basis.

C.6 Monitoring of Secondary Containment to Underground Settlement Tanks

Location: GW1, GW2 & GW3

Parameter	Monitoring Frequency	Analysis Method/Technique
Mineral Oils	Quarterly	Standard Method

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C.7 Waste Monitoring

Waste Class	Frequency	Parameter	Method
Other ^{Note 1}			

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



C.8 Groundwater Monitoring

Location: BH1, BH2 & BH3

Parameter ^{Note 1}	Monitoring Frequency	Analysis Method/Technique
Visual Inspection/Odour ^{Note 2}	Monthly	N/A
Groundwater Level	Monthly	Portable Electronic Meter
Electrical Conductivity	Monthly	Portable Electronic Meter
pH	Monthly	pH electrode/meter
Temperature	Monthly	Thermometer
List I/II organic substances ^{Note 3}	Quarterly	Standard Method
Mineral Oil ^{Note 3}	Quarterly	Standard Method
BTEX ^{Note 3}	Quarterly	Standard Method
Arsenic	Quarterly	Standard Method
Mercury	Quarterly	Standard Method
Dissolved Oxygen	Annually	Standard Method
Total Alkalinity	Annually	Standard Method
Metals / Non Metals ^{Note 4}	Annually	AA/ICP
Sulphate	Annually	Standard Method
Cyanide (Total)	Annually	Standard Method
Chloride	Annually	Standard Method

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 (USEPA method 525 or equivalent, and pesticides (USEPA method 608 or equivalent).

Note 4: Metals and elements to be analysed by AA/ICP should include as a minimum: boron, cadmium, calcium, chromium (total), copper, iron, lead, magnesium, manganese, nickel, potassium, sodium and zinc.



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SCHEDULE D: Specified Engineering Works

Specified Engineering Works
Development of the facility including installation of waste-handling, processing, recycling/recovery infrastructure and installation of increased waste processing capacity as well as any abatement system(s). Installation of dust/odour abatement system. Installation of or modifications to drainage network, including silt traps, oil interceptors, etc. Any other works notified in writing by the Agency.



SCHEDULE E: Reporting

Completed reports shall be submitted to:

The Environmental Protection Agency
 Office of Environmental Enforcement
 Regional Inspectorate
 McCumiskey House
 Richview
 Clonskeagh Road
 Dublin 14

or Any other address as may be specified by the Agency

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

Report	Reporting Frequency <small>Note 1</small>	Report Submission Date
Annual Environment Report (AER)	Annually	By 31st March of each year.
Environmental Management Systems Updates	Annually	As part of the AER.
Record of incidents	As they occur	Within five days of the incident.
Specified Engineering Works reports	As they arise	In advance of the works commencing.
Bund, tank and container integrity assessment	Every three years	As part of the AER.
Monitoring of wastewater	Quarterly	Ten days after end of the quarter being reported on.
Monitoring of surface water quality	Quarterly	Ten days after end of the quarter being reported on.
Monitoring of groundwater quality	Quarterly	Ten days after end of the quarter being reported on.
Monitoring of air emissions	Bi-annually	Ten days after end of the period being reported on.
Dust Monitoring	Three times a year	As part of the AER.
Noise Monitoring	Annually	As part of the AER.
Any other monitoring	As they occur	Within ten days of obtaining results.

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

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SCHEDULE F: Annual Environmental Report

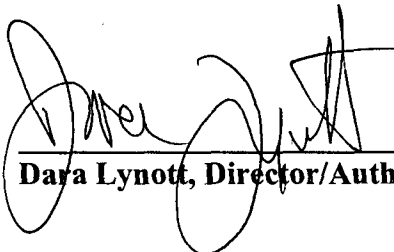
Annual Environmental Report Content ^{Note 1}

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).
 Emissions from the facility (summary of results & interpretation of environmental monitoring).
 Waste management record.
 Schedule of Environmental Objectives and Targets.
 Environmental management programme – report for previous year.
 Environmental management programme – proposal for current year.
 Pollutant Release and Transfer Register – report for previous year.
 Pollutant Release and Transfer Register - proposal for current year.
 Noise monitoring report summary.
 Ambient monitoring summary.
 Tank, drum, pipeline and bund testing and inspection report.
 Calibration certification on oil heating temperature cut off detection unit.
 Boiler efficiency test results.
 Reported incidents & complaints summary.
 Review of Nuisance Controls.
 Energy efficiency audit report summary (as required).
 Resource consumption summary.
 Full title and a written summary of any procedures developed by the licensee in the year which relates to the facility operation.
 Volume of trade effluent produced and discharged from the facility (to sewer and by tanker).
 Development/Infrastructural works summary (completed in previous year or prepared for current year).
 Reports on financial provision made under this licence, management and staffing structure of the facility, and a programme for public information.
 Review of Decommissioning Management Plan.
 Statement of measures in relation to prevention of environmental damage and remedial actions (Environmental Liabilities).
 Environmental Liabilities Risk Assessment Review (every three years or more frequently as dictated by relevant on-site change including financial provisions).
 Any other items specified by the Agency.

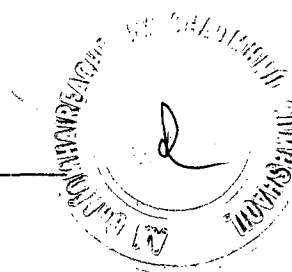
Note 1: Content may be revised subject to the agreement of the Agency.

Sealed by the seal of the Agency on this the 29th day of May 2008.

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



Dara Lynott, Director/Authorised Person



Attachment B.4

All details of effluent discharge are included in the current Waste Licence No.192-02 (See Attachment B.3.). The body controlling effluent discharge is South Dublin County Council.

Attachment B.6

Refer to Drawing No. 4709/1100 (Attachment A) and Drawing No. 4709/1101 (Attachment B.1) for the site notice locations on site.

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SITE NOTICE

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR THE REVIEW OF A WASTE LICENCE

RILTA Environmental Ltd., 151 Thomas Street, Dublin 8 will apply to the Environmental Protection Agency (EPA), Johnstown Castle Estate, County Wexford, for a review of the conditions of Waste Licence 192-2 for the Integrated Waste Management Facility located at Block 402, Greenogue Business Park, Greenogue, Rathcoole, County Dublin (Grid Reference E301579 N228431).

It is proposed that the waste licence is reviewed to obtain approval to reprocess waste oil for reuse as a fuel. The classes of activity concerned are specified in the Third and Fourth Schedules of the Waste Management Act, 1996, as follows: -

The Principal activity to be carried out on the site is: Class 13 of the Fourth Schedule of the Waste Management Act (1996):

"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." The facility is also covered under the following classes of activity:

Third Schedule:

Class 7, Class 11, Class 12, Class 13.

Fourth Schedule:

Class 2, Class 3, Class 4, Class 6, Class 8, Class 13.

The application for the review of the waste licence and such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the Application, will, as soon as is practicable after receipt by the Agency, be available for inspection or purchase, at the EPA Headquarters, Johnstown Castle Estate, County Wexford.

Signed: _____

Sibhán Tinnelly
Sibhán Tinnelly, TOBIN Consulting Engineers, Block 10-4,
Blanchardstown Corporate Park, Dublin 15 on behalf of RILTA
Environmental Ltd.

Date of erection of site notice: 30th January 2009

Attachment B.7.**Activity 13 of the Fourth Schedule of Waste Management Acts 1996-2003**

The principal activity on site at Rilta Environmental is that of *'the 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'*.

Rilta Environmental Ltd. operates a significant brokerage service whereby wastes are collected and stored on-site before being exported to suitable sites in the EU for recovery. The waste streams involved include:

- Contaminated Soil
- Acidic and Alkali wastes
- Flammable Wastes
- Laboratory Chemicals
- Photographic Wastes
- Environmentally Hazardous Wastes

Activity 7 of the Third Schedule of Waste Management Acts 1996-2003

This involves the use of both physical (settlement) and chemical (Ferric Alum Sulphate, Caustic Soda & Polyelectrolite) treatments to take hydrocarbons and suspended solids out of solution to allow for the treated effluent to be sent to foul sewer.

Activity 11 of the Third Schedule of Waste Management Acts 1996-2003

This refers to the mixing of wastes (both aqueous and sludges) to make treatment disposal more efficient and environmentally friendly.

Activity 12 of the Third Schedule of Waste Management Acts 1996-2003

May refer to a number of waste processes on site to ensure safe storage and processing of waste streams.

Activity 13 of the Third Schedule of Waste Management Acts 1996-2003

This applies almost exclusively to the storage and disposal of asbestos waste.

Activity 2 of the Fourth Schedule of Waste Management Acts 1996-2003

This activity relates to the storage and processing of contaminated soil.

Activity 3 of the Fourth Schedule of Waste Management Acts 1996-2003

This involves the recycling and reconditioning of steel drums.

Activity 4 of the Fourth Schedule of Waste Management Acts 1996-2003

This involves the recycling of plastic drums.

Activity 6 of the Fourth Schedule of Waste Management Acts 1996-2003

This activity relates to the recycling of pollution abatement material such as booms.

Activity 8 of the Fourth Schedule of Waste Management Acts 1996-2003

This activity involves the reprocessing of waste oil for reuse as a fuel.

Attachment B.8.

State whether the activity is for the purposes of an establishment to which the European Communities (Control of Major Accident Hazards involving Dangerous Substances) Regulations, 2000 (S.I. No. 476 of 2000) apply:

The European Communities (Control of Major Accident Hazards involving Dangerous Substances) Regulations, 2000 do not apply.

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Section C:

Attachment C.1.

Managing Director – Nick Beale

Nick Beale is the MD of Rilta Environmental Ltd. and has overall responsibility for the running of the company. Mr. Beale has a Degree in Engineering and has completed a number of modules of the FAS waste management course and has four years experience in waste management as well as many years experience in similar fields.

Operations Director – Eftim Ivanoff

Eftim Ivanoff is the Operations Director at Rilta Environmental's Greenogue site and has overall responsibility for the day to day operations of the company. Mr. Ivanoff has a Degree in Engineering and has numerous years experience in the concrete industry. Mr. Ivanoff has two years experience in the field of waste management.

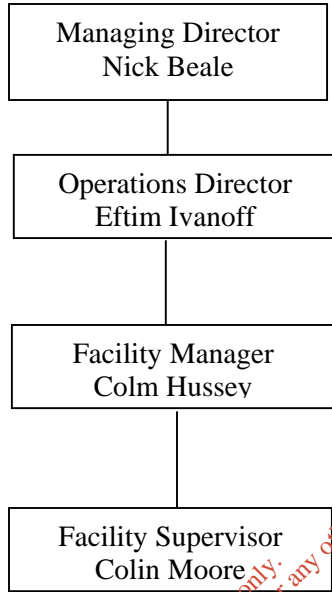
Facility Manager - Colm Hussey

Colm Hussey is the Facility Manager at Rilta Environmental's Greenogue site and has overall responsibility for the day to day operation of site activities. He is also responsible for all environmental matters and for the operation of the ISO14001 and ISO9002 systems. Mr. Hussey has a Degree in Geology and a Master's Degree in Environmental Geochemistry. Mr. Hussey has also completed the FAS waste management course and has nine years experience in the field of waste management.

Facility Supervisor – Colin Moore

Colin Moore is the site supervisor and is responsible for the day to day running of the treatment, brokerage and soil divisions. Mr Moore has completed a number of relevant training modules and has 17 years experience in waste management (in his current role).

RILTA Environmental Management Structure Chart



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Attachment C.2.

The Environmental Management System (EMS) was submitted to the EPA on the 9th April 2008. A copy of the Environmental Management System (EMS) is included in Appendix E of the AER in Attachment B.3 above.

Attachment C.2 contains a copy of the current Certificate of Registration of Environmental System to I.S. EN ISO 14001:2004 and ISO 9001:2000.

Attachment C 3:**Details of hours of operation for the waste facility:****(a) Proposed hours of operation**

The Integrated Waste Management Facility operates between the hours of 07:30 and 18:00 Monday to Friday and 07:30 and 14:00 hours on Saturdays. The facility shall remain closed on Sundays, Bank Holidays and Public Holidays. The facilities operate outside these hours only when they are required to cater for the later arrival of waste haulage vehicles due to breakdown or other circumstances. Maintenance may be carried out outside operating hours.

(b) Proposed hours of waste acceptance/handling - As stated above.**(c) Proposed hours of any construction and development works at the facility and timeframes (required for landfill facilities):** Not Applicable**(d) Any other relevant hours of operation expected:** Not Applicable



National Standards Authority of Ireland

Certificate of Registration of Environmental System to I.S. EN ISO 14001:2004

The National Standards Authority of Ireland certifies that

RILTA Environmental Ltd

Block 402 Greenogue Business Park
Rathcoole
Co. Dublin

has been assessed and deemed to comply with the provisions of the above standard in respect of the scope of operations given below.

Scope of Registration

The provision of hydrocarbon waste treatment, drum recycling and hazardous waste brokerage services



Registration Number:	14.0166
Original Registration:	28 April 2000
Last Amended on:	02 June 2006
Remains valid until:	28 April 2009



Signed: *Simon Kelly*
Simon Kelly - Chief Executive Officer

Signed: *Daniel Tierney*
Daniel Tierney – Chairperson of the Board



NSAI is a partner of IQNET – the international certification network (www.iqnet-certification.com)
The validity of this certificate is maintained through on-going surveillance inspections.

Issued on 13 June 2006

National Standards Authority of Ireland, Glasnevin, Dublin 9, Ireland



Certificate of Registration

This is to certify that the Quality Management System of:

Rilta Environmental Ltd

**Drum Division Site,
Block 402, Greenogue Business Park,
Rathcoole, County Dublin, Ireland**

has been approved by ISOQAR to the following standard:

ISO 9001: 2000



Scope of Activities:

Reconditioning, refurbishment and remanufacture of used steel and/or plastic containers. Purchase for direct sale of new containers.

Certificate Number: **819QMS001**

Original Certificate Number: **819/95**

Signed:
(on behalf of ISOQAR)

Initial Registration Date: **25 August 1995**

Expiry Date: **25 August 2010**

This certificate will remain current subject to the company maintaining its system to the required standard. This will be monitored regularly by ISOQAR. Further clarification regarding the scope of this certificate and the applicability of ISO 9001:2000 requirements may be obtained by consulting the organisation. This certificate is one of several issued to registration number 819.

Section D

Attachment D.1.

The continued use of the RILTA facility will not require any change in infrastructure within the site. Drawings of the site infrastructure are included in Attachment B.2.

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Attachment D.2

Attached is the Waste Licence Review Report Detailing the Reprocessing of Waste Oil.

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**ATTACHMENT D2 - WASTE LICENCE REVIEW
REPORT DETAILING THE REPROCESSING OF
WASTE OIL**

RILTA ENVIRONMENTAL LTD.

**INTEGRATED WASTE MANAGEMENT
FACILITY**

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JANUARY 2009

Document Amendment Record

Client:	RILTA Environmental Ltd.
Project:	4709 –Integrated Waste Management Facility
Title:	Attachment D2 - Waste Licence Review Report Detailing the Reprocessing of Waste Oil

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Project Number: 4709			Document Ref: 4709		
Revision	Purpose / Description	Originated	Checked	Authorised	Date
A	Final Waste Licence Review	CW	ST	ST	29/01/09
Rev 3	Draft Waste Licence Review	CW	ST	ST	26/01/09
Rev 2	Draft Waste Licence Review	CW	ST	ST	19/01/09
Rev 1	Draft Waste Licence Review	CW	ST	ST	07/01/09
					

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I	Test Load Certificate
II	Reprocessed Waste Oil Analysis

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1 INTRODUCTION

1.1 General

The aqueous waste treatment plant at Greenogue Business Park comprises of four treatment process. These are as follows:

- Effluent Treatment;
- Waste Oil Treatment;
- Sludge Treatment; and
- Acid/Alkali Neutralisation.

This Waste Licence Review Application relates to the reprocessing of waste oil for reuse as a fuel. There are a number of waste streams which make the bulk of all 'waste oil' treated at RILTA and these can be found in Chapter 13 of the 'European Waste Catalogue'. Another addition to this is the code EWC160708* - 'Tank Cleaning Waste Containing Oil'. A list of all the relevant EWC codes are contained in Attachment H.1.

2 QUALITY OF INCOMING WASTE OILS

2.1 Quality of Waste Oils

RILTA proposes to reprocess waste oil accepted at its licensed premises. All of the regular incoming waste oil streams to be used in the oil reprocessing are notified to RILTA. They are taken to be representative of previous deliveries. The normal pre-acceptance quality control tests apply upon delivery prior to discharge. For quality purposes non-regular incoming waste oil streams require a full description of the waste and one or both of the following criteria:

- Waste oil sample; and / or
- Approved detailed analysis.

Prior to acceptance of halogenated oils and transformer oils, the following procedures applies:

- Supply a PCB free cert or detailed analysis of halogens and specifically chlorine; and
- Supply a sample for analysis in the RILTA laboratory.

If approval is given for treatment, the incoming oil will not be blended with other oil feed stock until the entire batch has been tested by the RILTA laboratory. In the case that the waste oil is not approved for treatment the customer will be contacted and an

alternative approved route for disposal will be agreed.

Further to the criteria for sampling and analysis outlined above, waste oil may be deemed unacceptable for treatment if it contains specific macro-contaminants. These macro-contaminants include:

- Petrol;
- Oil with significant solvent contamination;
- Oil with food grease contamination;
- Plant and edible oils; and
- Oil with ammonia contamination.

2.2 Plant and Equipment

RILTA has invested heavily in suitable plant and equipment to generate the highest specification of oil possible. Plant used in the reprocessing of waste oil includes the following:

- Oil heating tanks;
- Oil holding and blending tanks;
- Rope-mop oil skimmers;
- Vibrating screen filters and mesh filter baskets; and
- Centrifuges.

3 WASTE OIL TREATMENT

3.1 Waste Oil Treatment Process

The waste oil treatment incorporated at RILTA is a batch process i.e. a mixture of waste oils. When a batch is ready for treatment it is sampled to assess the best course of treatment. While different batches will require different levels of each treatment type, the following methods are employed:

Oil Filtering / Screening

Incoming waste oil is tested for water, flash point and metals. On completion of analysis, if samples of the oil are found to be within site compliance levels the oil is discharged from the tanker into the reception tank. If the tanker is found to contain high levels of free water, this water is drained off into the site effluent plant before the oil is pumped into the oil reception tank. A number of vibrating screen filters and mesh filter baskets are used at various stages of the treatment process to ensure most suspended solids and contaminants are removed from the oil.

Chemical Treatment

Waste oil batches are then sampled to ascertain if and how much of each or any chemical is required. RILTA uses a number of chemicals to treat waste oil. Essentially the chemicals used to treat oil comprise of de-watering agents, demulsifiers and de-ashing agents. A series of samples are taken, to determine which chemicals if any are required.

Heat Treatment

The waste oil is then heated. The heat treatment method is a traditional method of treatment used over many years to extract water from the waste oil. Heat and chemical treatments are more often than not carried out in tandem to maximise efficiency of de-contamination. The process tank heating system temperature is raised. If demulsifiers are required they are injected into the heating/process tank after the heating phase.

After a period of time, the oil is passed through vibrating screen filters. The oil is then pumped out through filter baskets and sent to the intermediate oil tank. It then passes onto an automatic partial discharge centrifuge. Samples are then taken and are tested and recorded for water content, sediment, heavy metals, ash content and PCB's. If these results are not within limits the oil is transferred back to the intermediate tank for further reprocessing and if it passes it is transferred into a finished oil tank. The waste discharges from the centrifuges, together with the sediment from the processing tanks, are passed through a horizontal decanter to remove any remaining liquid oil phase. This results in a dry deposit ready for transfer to a pre-approved facility.

3.2 Bunding / Segregation / Abatement

A newly constructed tank containment bund has been constructed to hold the new oil holding tanks. Details of the testing of the integrity of these bunds were submitted to the Agency on December 3rd 2008. Oil holding tanks and effluent treatment tanks are located within the same bund area, but there are no issues with segregation as any spill material from either tank may be treated at RILTA's aqueous waste treatment plant. Refer to Section J for contingency plans in the event of environmental contamination and accidental spillage.

3.3 Storage Capacity

The facility at RILTA has a current storage capacity of over 500m³. The facility consists of 6 heating tanks and 5 storage tanks incorporated as part of the treatment plant.

4 QUALITY CONTROL /ASSURANCE SYSTEMS

4.1 Quality Control /Assurance Systems for the Reprocessed Waste Oil

A number of criteria are used to determine the quality parameters of the reprocessed waste oil. These criteria include the following:

- British Standards BS2869-2006 Fuel Oils for Agriculture, Domestic and Industrial Engines and Boilers – Specification;
- Similar reprocessed oil quality parameters as detailed in EPA – Granted Waste Licences; and
- Parameters as detailed and recommended by potential users.

The properties of the reprocessed waste oil and proposed ELV's are shown in Table 4.1 below.

Table 4-1 Properties of Reprocessed Waste Oil

Property	Proposed ELV's	Test Method
Flash Point (Rapid Equilibrium Test) (°C) (min)	66.0	IP 523/IP34
Sulphur content [% (m/m)] (max)	1.0	IP 336
Water content [% (v/v)] (max)	1.0	IP 74/IP356
Ash Content [% (m/m)] (max)	0.15	IP 163/IP4
Carbon Residue [micro0 [% (m/m)] (max)	20.0	IP 398
Total sediment (existent) [% (m/m)] (max)	0.15	IP 375/IP75
Strong acid number	Zero	IP 139
Total Halogens, as chlorine (ppm)	1000	IP 503/ASTMD6052

The frequency of testing for all of the reprocessed waste oil quality parameters are set out in Table 4.2 below. RILTA propose to test each load prior to dispatch to the client. A proposed load test certificate is included in Appendix I.

Table 4-2 Monitoring Frequency of Parameters

Parameter	Monitoring Frequency
Kinematic Viscosity (max)	Per load
Flash Point PMCC (min)	Per load
Water	Per load
Sediment	Batch *
Ash (max)	Per load/Batch *
Sulphur (max)	Per load
PCB (max)	Per Batch *

Lead (max)	Per load
Vanadium (max)	Per load
Copper (max)	Per load
Chromium (max)	Per load
Cadmium (max)	Per load
Nickel (max)	Per load
Chlorine (max)	Per load
Density	Per load
Carbon Residue	By Report **
Fluorine	By Report **
Gross Calorific Value (min)	By Report **
Strong acid number	By Report **

*Batch testing is completed by the in-house laboratory at RILTA Environmental Ltd. The batch size is based on each specific final storage tank. Tanks typically range in capacity from 50ton to 75ton.

**Testing of these properties is completed after a specified number of tons of reprocessed waste oil have been produced. Currently this is 500tons. RILTA employs a number of monitoring outlets such as ALControl,, SAL and SGS to carry out this monitoring.

The test parameters and methods undertaken in the laboratory at RILTA are as follows:

- Water content using a distillation process and Karl-Fischer titration;
- Temperature using a thermometer;
- Hydrometer using relative density hydrometers;
- Viscosity using a Redwood Viscometer;
- Flashpoint using Setaflash Series 3 Flash Point Tester;
- Heavy Metals (XRF);
- Ash Content (XRF/Furnace);
- Chlorine (XRF);
- Sulphur (XRF);
- PCB's (GC/MS); and
- Sediment (Lab Centrifuge).

The test parameters and methods undertaken by accredited laboratories such as ALControl, SAL and SGS are as follows:

- Fluorine (Ion Chromatography);
- Gross Calorific Value (Bomb Calorimeter); and
- Carbon Residue (Leco SC632).
- Strong Acid Number (Titration)

4.2 Analysis of the Reprocessed Waste Oil

In addition to the results discussed in Section I.1 relating to reprocessed waste oil, the certificate of analysis from SAL laboratories is included in Appendix II.

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APPENDIX I

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Appendix:

RILTA Environmental



REPROCESSED WASTE OIL Load Test Certificate

Customer Name: Quarry X
Reference no: 901RS-01
Date: 09/Jan/2009

<u>Parameter</u>	<u>Result</u>	<u>Proposed Limits</u>
Chlorine	<0.1%	0.1%
Sulphur	0.48%	1.0%
Lead	18PPM	150PPM
Nickel	8PPM	20PPM
Copper	11PPM	60PPM
Chromium	4PPM	20PPM
Vanadium	9PPM	60PPM
Cadmium	<1PPM	10PPM
Ash	0.12%	0.15%
Flash Point	99c	>66°C
H2O	0.80%	1.0%
PCB'S	0.2PPM	10PPM
Viscosity	92s@40 ⁰ c	<230s@40°C
Density	0.895kg/m ³	<0.98kg/m ³

Lab Technician Signature: -----

Operational Manager Signature: -----

Delivery Driver Signature: -----

APPENDIX II

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Scientific Analysis Laboratories

Certificate of Analysis

Hadfield House
Hadfield Street
Cornbrook
Manchester
M16 9FE
Tel : 0161 874 2400
Fax : 0161 874 2468

Scientific Analysis Laboratories is a
limited company registered in England and
Wales (No 2514788) whose address is at
Hadfield House, Hadfield Street, Manchester M16 9FE

Report Number: Supplement to 151676-1

Date of Report: 13-Jan-2009

Customer: Trident Solutions
Stockpit Road
Knowsley Industrial Estate
Liverpool
L33 7TQ

Customer Contact: Mr Peter Brady

Customer Job Reference:

Date Job Recieved at SAL: 12-Dec-2008

Date Analysis Started: 16-Dec-2008

Date Analysis Completed: 08-Jan-2009

The results reported relate to samples received in the laboratory
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation
This report should not be reproduced except in full without the written approval of the laboratory
Tests covered by this certificate were conducted in accordance with SAL SOPs

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1549

Report checked
and authorised by :
Miss Emma Tibbitts
Project Manager

Issued by :

Index to symbols used in this report

Value	Description
AR	As Received
-	Not Required
W	Analysis was performed at another SAL laboratory
S	Analysis was subcontracted
U	Analysis is UKAS accredited
N	Analysis is not accredited

Notes

Supplement issued for LOI Results: Sample 001 = 99.79%, Sample 002 = 98.92%, Sample 003 = 99.64%, Sample 004 = 99.46 and Sample 005 = 99.52

Methods

Value	Description
T1	GC/MS (HR)
T6	ICP/OES
T21	OX/IR
T63	XRF
T252	FPE (Ignition)

Accreditation Summary

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Cadmium	T6	-	1.0	mg/kg	N	001-005
Cl2 (Total)	T63	-	0.1	%	SU	001-005
Chromium	T6	-	1.0	mg/kg	N	001-005
Copper	T6	-	1.0	mg/kg	N	001-005
Flash Point (Minimum Value)	T252	-	55.0	C	N	001-005
Iron	T6	-	1.0	mg/kg	N	001-005
Lead	T6	-	1.0	mg/kg	N	001-005
Nickel	T6	-	1.0	mg/kg	N	001-005
PCB(Total)	T1	-	0.1	mg/kg	U	001-005
S (Total)	T21	-	10.0	mg/kg	WN	001-005
Vanadium	T6	-	1.0	mg/kg	N	001-005
Zinc	T6	-	1.0	mg/kg	N	001-005

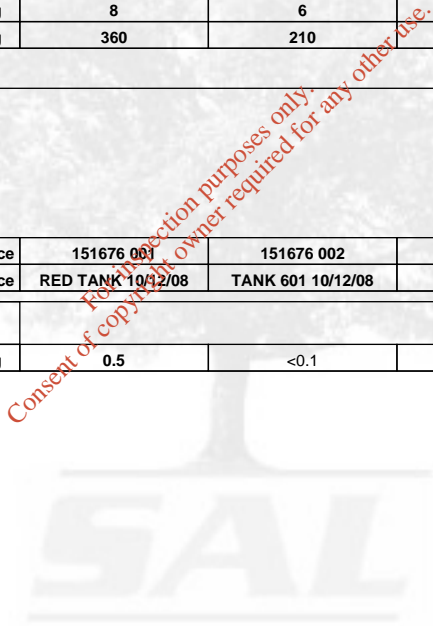
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SAL

SAL Reference: 151676 Customer Reference:									
Oil		Analysed as Oil							
Miscellaneous									
SAL Reference					151676 001	151676 002	151676 003	151676 004	151676 005
Customer Sample Reference					RED TANK 10/12/08	TANK 601 10/12/08	8112/08	TANK 605 10/12/08	TANK 605 1/12/08 EPA
Determinand	Method	Test Sample	LOD	Units					
Cl2 (Total)	T63	-	0.1	%	<0.1	<0.1	<0.1	<0.1	<0.1
Flash Point (Minimum Value)	T252	-	55	C	94	88	100	100	99
S (Total)	T21	-	10	mg/kg	9500	7400	6800	8900	7600

SAL Reference: 151676 Customer Reference:									
Oil		Analysed as Oil							
Suite A									
SAL Reference					151676 001	151676 002	151676 003	151676 004	151676 005
Customer Sample Reference					RED TANK 10/12/08	TANK 601 10/12/08	8112/08	TANK 605 10/12/08	TANK 605 1/12/08 EPA
Determinand	Method	Test Sample	LOD	Units					
Cadmium	T6	-	1	mg/kg	<1	<1	<1	<1	<1
Chromium	T6	-	1	mg/kg	6	5	6	4	4
Copper	T6	-	1	mg/kg	90	83	99	65	110
Iron	T6	-	1	mg/kg	550	390	620	330	360
Lead	T6	-	1	mg/kg	23	14	24	18	18
Nickel	T6	-	1	mg/kg	8	7	9	8	8
Vanadium	T6	-	1	mg/kg	8	6	8	8	9
Zinc	T6	-	1	mg/kg	360	210	380	260	280

SAL Reference: 151676 Customer Reference:									
Oil		Analysed as Oil							
PCB									
SAL Reference					151676 001	151676 002	151676 003	151676 004	151676 005
Customer Sample Reference					RED TANK 10/12/08	TANK 601 10/12/08	8112/08	TANK 605 10/12/08	TANK 605 1/12/08 EPA
Determinand	Method	Test Sample	LOD	Units					
PCB(Total)	T1	-	0.1	mg/kg	0.5	<0.1	0.5	0.2	0.2





SGS Oil Gas & Chemicals



0131

SGS Ellesmere Port
Rossmore Business Park,
Ellesmere Port,
Cheshire.
CH65 3EN

F079901 SGS IRELAND HOLDING
LAKEDRIVE 3026
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EIRE

Tel: +44 (0) 151 3506618
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Date: 19/06/2008

ANALYTICAL REPORT No: EP08-2068.001

PRODUCT DESCRIPTION:	Fuel Oil / Light Fuel Oil	CLIENT ID:	Topaz Energy
SAMPLE SOURCE:	As Supplied	SAMPLE RECEIVED:	18/06/2008
SOURCE ID:	Ref Riita Environmental	SAMPLE ANALYSED:	19/06/2008
VESSEL:		SAMPLE TYPE:	As submitted
LOCATION:		SAMPLE BY:	
		DATE SAMPLED:	16/06/2008

PROPERTY	Units	METHOD	RESULT
Hydrogen	% (m/m)	ASTM D5291	12.6
Sulphur	% (m/m)	IP 336 / ISO 8754	0.39
Gross Calorific Value	Btu/lb	IP 12	18510
Gross Calorific Value	Btu/lb	IP 12	19507.74
Net Calorific Value	Btu/lb	IP 12	18360
Net Calorific Value	Btu/lb	IP 12	18358.24

NETT = 18358.24 Btu/lb = 47.70 MJ/KG.
CV

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Precision parameters apply in the determination of results.
 Also refer to ASTM D3244, IP 367 and IP standards (Test Methods) for utilisation of test data to determine conformance with specification
 Sampling not ISO/IEC 17025 Accredited
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 * Analysis not ISO/IEC 17025 Accredited

Authorised Signatory

Page 1 of 1

190620081005 0000018027

Ian Joynson-Shift Team Leader

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Section E:

Refer to Drawing No. 4709/1105 - Environmental Monitoring Points, Attachment E.1.

Attachment E.1

Emissions to Atmosphere
See Tables in Section E of Annex 1.

Attachment E.2

Emissions to Surface Waters
Attachment E.2 Tables E.2(i) and E.2(ii).

Attachment E.3

Emissions to Sewer
Attachment E.3 Tables E.3(i) and E.3(ii).

Attachment E.4

Emissions to Groundwater
Table E.4(i). Not Applicable.

Attachment E.5

Noise Emissions

Details of source, nature and level are included in the AER (Attachment B.3).
Conditions are included in Waste Licence 192-02, also included in Attachment B.3.

Attachment E.6

Environmental Nuisances

The operation of the Integrated Waste Management Facility at Greenogue has been undertaken under licence issued by the EPA (WL 192-02). The conditions of the licence include measures to minimise or prevent nuisance to the public occurring as a result of the operation of the facility. A complaints register detailing any complaint received from the general public in respect of the operation on the facility is maintained at the site.

Bird Control

There is no nuisance associated with birds at the facility for the following reasons:

- There is no external storage of putrescible waste;
- All residual waste is stored internally in skips covered with industrial tarpaulins;
- There is no long term storage of waste on the site; and
- Any tipping of waste is onto designated tipping areas, which are contained within the site buildings.

Dust Control

As per Schedule C of Waste Licence 192-02, dust monitoring is carried out at the RILTA Environmental Ltd. Facility. Total dust deposition is regularly monitored at the site using the Bergerhoff Horizontal Gauge specified in the German Engineering Institute VDI 2119 document entitled “*Measurement of Dustfall using the Bergerhoff Instrument (TA Luft Method)*”. According to Schedule C (Attachment B.3.) of the Waste Licence, dust monitoring is required three times a year (twice between May and September). Refer to Attachment F.1. for details of dust monitoring.

Fire Control

It is considered that the nature of the operation does not pose a major risk of fire although the following steps have been taken to ensure an acceptable level of fire safety:

- Training of all site operatives and employees in fire prevention and control by a fire prevention company;
- Prominent posting of emergency response contact numbers (fire service, police, ambulance and other agencies);
- The provision of on-site water supply;
- The provision of fire fighting equipment including fire extinguishers in all buildings, fire hydrants and fire hoses adjacent to all buildings;
- Fire alarm and detection system in all buildings;
- There is no long term storage of waste on-site;
- A fire assembly point is posted on-site at the site entrances;
- The designation of smoking and non smoking areas; and
- A secure storage area is provided externally for the secure night-time storage of the oxy-acetylene tanks used in welding.

The site is serviced by 3 No.100mm (dia) fire water-main, the locations of which are shown on Drawing No. 4709/1106 (Attachment B.2) and which are serviced by the on site water-main. The adjoining river and water attenuation tanks can be also used by the Fire Brigade to provide a large supply of water for fire fighting. In addition the buildings constructed on site are certified for fire safety.

A firewater retention tank has been constructed within the site to collect any contaminated fire fighting water, which may be collected in the storm water collection system external to the buildings. A diversion valve has been provided which allows for the diversion of any firewater to the firewater retention tank and not to the storm water attenuation tank, as generally would be the case. The diversion valve can be activated remotely from the administration building or manually should the remote system fail.

Litter Control

There is no nuisance associated with litter at the facility for the following reasons:

- There is no external storage of waste;
- All residual waste is stored internally in skips covered with industrial tarpaulins;
- There is no long term storage of waste on the site;
- Any tipping of waste is onto designated tipping areas, which are contained within the site buildings and hence are not exposed to the wind;
- Regular inspection and litter collection is undertaken at the site and adjoining land if and when necessary;
- All waste entering the facility is in covered vehicles or road tankers. RILTA will exclude any contractor failing to comply with this requirement from entering the site;
- The approach roads to the site are monitored on at least a daily basis and in the event of litter being found on these roads, site staff promptly remove it and deposit it in the appropriate manner; and
- A general clean-up and attendance work is carried out on a weekly basis by site staff around external areas of the site and on approach roads.

Traffic Control

This application relates to the reprocessing of waste oil. It should be noted that no change in infrastructure is required as part of this application and there will be no increase in traffic numbers as a result of this activity.

Vermin Control

The following procedures ensure that the Integrated Waste Management Facility is not an attraction to vermin:

- There is no storage of putrescible waste on the site;
- All tipping of waste is indoors and onto the hardstand tipping floor area or, in the case where inspection is required, onto a designated inspection area. These areas are contained within the facility buildings and so do not serve as an attraction for vermin;
- There are daily site inspections for litter; and
- All plant equipment and tipping areas are cleaned regularly.

A firm of professional vermin control experts are contracted to control vermin using standard methods. Baiting with rodenticides is undertaken on a regular basis as required.

Road Cleansing

The facility is accessed via the Greenogue Business Park internal road network. The whole of the site will be covered with concrete hardstand throughout. Vehicle wheel washing, mud collection and road cleansing is not an issue for the facility.

The site and adjoining roads will be inspected on a daily basis for evidence of excessive generation of airborne dust. If required road cleansing will be employed in order to mitigate dust impact.

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Section F:

Control and Monitoring

Attachment F.1

All environmental monitoring is carried out under the conditions of the Waste Licence for the facility issued by the EPA –Waste Licence 192-02, included in Attachment B.3. Emission Limit Values (ELV) have been set by the EPA for the parameters to be monitored in Schedule B of the licence. Exceeding these values will be judged by the EPA or SDCC to be a non-compliance with the Waste Licence.

Routine monitoring at the site commenced following acceptance of waste to the facility in December 2004. Monthly, quarterly and annual monitoring is carried out at the facility in accordance with the licence. In addition, quarterly and annual reports are issued to the EPA detailing all of the monitoring on site as required under Schedule E of the Waste Licence.

As part of the Waste Licence an Annual Environmental Report (AER) is formulated that collates and reports all monitoring data each year. A comparative assessment is made with data from previous years. This report is also submitted to the EPA. This AER for the period January 2007 to December 2007 is included in Attachment B.3.

The primary aims of this monitoring programme are to comply with legislation and the requirements of the EPA and to monitor the quality of the environment in the vicinity of the Integrated Waste Management Facility site and identify any adverse impacts from the development of the facility.

Dust Monitoring Programme

Dust is monitored using Bergerhoff gauges, as specified in the German Engineering Institute VDI 2119 document “Measurement of Dustfall Using the Bergerhoff Instrument (Standard Method)”. The gauges are installed around the site at the locations shown on Drawing No. 4709/1105 (Attachment E.1) with the grid references tabulated below.

Table F-1 Dust Monitoring Locations

Reference No.	Grid Reference
D1	E301536 N228449
D2	E301567 N228562
D3	E301664 N228566
D4	E301639 N228427

According to the licence, dust monitoring takes place three times per annum, including twice between the months of May and September during which period dust generation can be most problematic.

In addition to the above the site and adjoining roads are inspected on a daily basis for evidence of excessive generation of airborne dust.

Ecological Monitoring Programme

Kick samples from KS1 and KS2 were taken and analysed in 2005, in accordance with Waste Licence 192-1, issued for the operation of the facility, to determine the invertebrate colony of the surface water environment on an annual basis. The locations at which these samples were obtained are shown on Drawing No. 4709/1105 (Attachment E.1) with grid references tabulated below.

Table F-2 Invertebrate Sampling Locations

Reference No.	Grid Reference
KS1	E 301664 N228566
KS2	E 301567 N228562

Noise

Noise monitoring is carried out on an annual basis. In line with licensing conditions imposed by the EPA there are 4 No. noise monitoring locations. The locations for noise monitoring are as outlined in Drawing No. 4709/1105 (Attachment E.1) and tabulated below in Table F.3.

Table F-3 Noise Monitoring Points

Reference No.	Grid Reference
N1	E301536 N228449
N2	E301567 N228562
N3	E301664 N228566
N4	E301639 N228427

All noise monitoring has been and will continue to be undertaken by suitably qualified persons.

Surface Water

Surface water quality is monitored both upstream and downstream of the facility during the operational life and as agreed by any subsequent closing licence. All surface water sampling to date has been carried out by trained personnel from RILTA staff or by a

suitable firm of consultants retained by RILTA. All analyses, with the exception of on-site readings, have been carried out by an accredited laboratory and will continue to be carried out as such. A visual inspection of all surface water streams on and adjacent to the site is also carried out by site personnel on a weekly basis.

Surface Water Monitoring Sites

For the location and reference numbers for the monitoring points refer to Drawing No. 4709/1105 (Attachment E.1). These reference points and respective grid references are tabulated below in Table F.4.

Table F-4 Surface Water Monitoring Points

Location	Reference No.	Grid Reference
Upstream	SW1	E 301664 N228566
Mid-point	SW3	E 301603 N228563
Downstream	SW2	E 301567 N228562

The elements of the surface water monitoring programme are as follows:

- Surface water sampling locations are identified with a permanent marker;
- The surface water sampling locations are sampled in accordance with industry standard protocols and guidelines prepared by the EPA. Samples are handled and transported in accordance with the same accepted protocols;
- The surface water sampling locations have been sampled at quarterly intervals in 2005, 2006, 2007 and 2008 and will continue to be, unless otherwise agreed with the Agency, to establish any potential effects on surface water quality.
- In the event of the facility closing down, surface water monitoring will continue at six month intervals until a closure license has been issued by the EPA. After care and monitoring of the facility once it has closed down would be agreed as part of the closing licence.
- The samples recovered from surface water sampling locations are analysed for the list of parameters given in Schedule C.4.2 of the waste licence. These parameters include pH, Chemical Oxygen Demand, Suspended Solids and Mineral Oils.

The results of the analysis are collated, tabulated and reported including interpretation and comparison with the previous monitoring event's data. This information is presented in the AER, which is also submitted to the EPA.

Groundwater Monitoring Programme

Groundwater quality is monitored at both upgradient (BH1) and downgradient (BH2 & BH3) sampling locations.

All groundwater sampling to date has been carried out by trained personnel from RILTA or a suitable firm of consultants and all analyses have been carried out by an accredited laboratory and will continue to be carried out as such.

Groundwater Monitoring Sites

For the location and reference points for the monitoring points refer to Drawing No. 4709/1105 (Attachment E.1). These reference numbers and grid references are tabulated below in Table F.5.

Table F-5 Groundwater Monitoring Points

Location	Reference No.	Grid Reference
Upgradient	BH1	E301566 N228562
Downgradient	BH2	E301607 N228557
Downgradient	BH3	E301633 N228562

Operational Phase

The main elements of the programme during the operational phase are as follows:

- Water levels in the monitoring wells are measured on a monthly basis;
- The monitoring wells are sampled in accordance with industry standard protocols and guidelines prepared by the EPA. Samples are handled and transported in accordance with the same accepted protocols;
- The groundwater sampling locations have been sampled at quarterly intervals in 2005, 2006, 2007 and 2008 will continue to be so unless otherwise agreed with the Agency, to establish any potential effects on groundwater quality.
- In the event of the facility closing down, monitoring will continue at six month intervals until a closure licence has been issued by the EPA. After care and monitoring of the facility once it has closed down would be agreed as part of the closing licence;
- The samples recovered from groundwater sampling locations are analysed for the list of parameters given in Schedule C.8 of the waste licence. These parameters include Dissolved Oxygen, Electrical Conductivity, pH, Temperature, Total Alkalinity, Metals/Non Metals, Sulphate, Cyanide (Total), Chloride, List1/11 Organic Substances, Mineral Oil, BTEX, Arsenic and Mercury.

The details of ongoing environmental monitoring of air and dust, ecology, noise, surface water and potential groundwater are included in the AER, Attachment B3.

Table F. 1. in Annex 1, includes detailed descriptions and schematics of all abatement systems

Attachment F.2 to F.9

The programme for environmental monitoring is as recommended by the EPA and is described in Waste Licence 192-02 included in Attachment B.3. Locations of all environmental monitoring points, including 12-figure grid references are shown on Drawing No. 4709/1105 (Attachment E.1).

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Section G:

Resources Use and Energy Efficiency

The current quantities of raw material and energy usage for the Integrated Waste Management Facility are shown in Table G.1. below. For the laboratory analyses, currently on site, very small limited amounts of chemicals are used. Residues of these chemicals are separated for subsequent transfer through the Hazardous Waste Transfer Station to an appropriate recovery/disposal facility.

Table G.1. Raw Materials and Energy Usage

Material/Resource	Annual Usage per Annum	Amount Stored On-Site
Hydraulic Oil	3,000 litres	500 litres
Electricity	316,980 Kwh per annum	Not stored
Diesel	200,000 litres	10,000
Water	6,700 m ³	15.7m ³
Paint	25,000 litres	5,000 litres
Shot	3,500 kg	1,000 kg
Caustic	1,750 kg	500 kg
Kerosene	12,500 litres	5,000 litres
Salt for boiler water	400 kg	150 kg
Gas	858,680 Kwh	Not Stored
Zetag Polymer (Conc.)	15,000 litres	2,000 litres
Ferrous Acid	5,000 litres	2,000 litres
Caustic (Aqueous)	5,000 litres	2,000 litres

Attachment G.1

See Forms –Annex 1.

Attachment G.2

Energy Efficiency

The main energy use at RILTA includes:

- Gas
- Electricity
- Water

A review of electricity and gas bills for the period from 01/01/07 to 31/12/07 shows that RILTA used the following quantities.

Energy	Quantity (Dec 2006)
Gas	858,680 Kwh
Electricity	316,980 Kwh
Water	6,700 m ³

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Section H:**Materials Handling****Attachment H.1:**

The overall waste throughput allowance comprises of 111,000 tonnes per annum. While volume expectations are dependent on levels of incoming waste, it is currently expected that the input of the waste oil would be approximately 9,000 tonnes per annum. It is anticipated that 6,500 tonnes of waste oil would be directly accepted. In addition, it would be anticipated that approximately 5% of all other wastes (2,500 tonnes) would also contain waste oil residues. A breakdown of waste tonnage is included below –

EWC Code	Waste Description	Weight (Kg)	Proposed TPA/ Tonnes	Disposal / Recovery Code
01 04 09	Pottery Waste	2080	2	Treatment D9
01 04 13	Stone Cutting Wash	83010	100	Treatment D9
01 05 05	Drilling Waste	1469660	2000	Treatment D9
05 01 05	Oil Spill Waste	105480	100	Treatment D9
06 01 01	Acidic Waste	94960	100	Treatment D9
06 01 02	Hydrogen Fluouride Wash	4440	10	Treatment D9
06 01 06	Acidic Waste	38140	100	Treatment D9
06 01 99	Acidic Waste	210	50	Treatment D9
06 02 04	Potassium Hydroxide Wash	6260	50	Treatment D9
06 05 05	Alkali Waste	8360	50	Treatment D9
06 02 99	Alkali Waste	43000	100	Treatment D9
07 01 99	WEEE Waste	1000	5	Treatment D9
08 01 12	Contaminated Water	1100	5	Treatment D9
08 03 08	Ink washings	8920	10	Treatment D9
08 03 12	Ink washings	14060	10	Treatment D9
10 01 23	Boiler wash	52280	100	Treatment D9
10 02 11	Cooling Water	4385160	3000	Treatment D9
11 01 01	Detergent washings	25960	50	Treatment D9
11 01 05	Pickling Acid	9980	20	Treatment D9
11 01 08	Metal Sludge	6280	10	Treatment D9
11 01 09	Alkali Sludge	94120	100	Treatment D9
11 01 11	Acidic Waste	35960	100	Treatment D9
11 01 13	Degreaser	1860	5	Treatment D9
11 01 99	Phosphating Sludge	8000	10	Treatment D9
11 03 01	Zinc Sludge	8520	10	Treatment D9

EWC Code	Waste Description	Weight (Kg)	Proposed TPA/ Tonnes	Disposal / Recovery Code
12 01 09	Coolant	1644960	2000	Treatment D9
12 03 02	Steam Degreaser	13460	20	Treatment D9
13 01 11	Hydrauli oil	440	50	Treatment D9
13 01 13	Hydrauli oil	1480	50	Treatment D9
13 02 05	Waste Oil	14170	100	Treatment D9
13 02 06	Waste Oil	65115	200	Treatment D9
13 02 08	Waste Oil	1990405	3000	Treatment D9
13 03 07	Waste Oil	36020	100	Treatment D9
13 03 10	Waste Oil	160	10	Treatment D9
13 04 03	Bilge Oil	278690	1000	Treatment D9
13 05 01	Gully waste	4420	10	Treatment D9
13 05 03	Interceptor waste	9142770	12000	Treatment D9
13 05 07	Interceptor waste	1127110	5000	Treatment D9
13 07 01	Fuel Waste	278470	500	Treatment D9
13 07 02	Fuel Waste	25500	100	Treatment D9
13 07 03	Fuel Waste	69220	500	Treatment D9
13 08 02	Fuel Waste	12200	100	Treatment D9
13 08 99	Oil Spill Waste/other Oil waste	414360	1000	Treatment D9
14 06 03	Aqueous Washings	7550	10	Treatment D9
16 05 06	Glycol Washings	3200	5	Treatment D9
16 05 08	Coolant	1060	5	Treatment D9
16 06 06	Neutralized Waste	12300	20	Treatment D9
16 07 08	Tank Cleaning Waste	1765945	2000	Treatment D9
16 07 09	Tank Cleaning Waste	219720	500	Treatment D9
16 07 99	Bund Area Waste	431870	500	Treatment D9
16 10 01	Aqueous Washings	1292610	1500	Treatment D9
16 10 02	Aqueous Washings	39340	100	Treatment D9
16 10 07	Oily Water	1800	5	Treatment D9
17 05 05	Dredging Spoil	1780	10	Treatment D9
19 02 11	Sludge	300	10	Treatment D9
19 02 99	Tank Cleaning Waste	9640	20	Treatment D9
19 07 03	Leachate Washings	3170440	5000	Treatment D9
19 09 02	Sludge	42260	50	Treatment D9
19 09 04	Carbon Sludge	2100	5	Treatment D9
19 12 12	Leachate Washings	135120	200	Treatment D9

EWC Code	Waste Description	Weight (Kg)	Proposed TPA/ Tonnes	Disposal / Recovery Code
20 01 26	Waste Oil	6560	100	Treatment D9
20 01 27	Paint Washings	55230	50	Treatment D9
20 03 03	Drain Clearing	12600	20	Treatment D9
20 03 99	Drain Clearing	102340	150	Treatment D9
01 01 01	T Mine Screening	74420	100	Storage D15 & R13
01 05 05	T Drilling Muds	125380	1000	Storage D15 & R13
02 02 99	T Food Waste	5480	10	Storage D15 & R13
02 03 04	T Aqueous Waste	1060	5	Storage D15 & R13
02 06 01	T Obsolete Confectionery	4360	5	Storage D15 & R13
02 06 99	T Confectionery waste	20	5	Storage D15 & R13
02 07 99	T Lab waste	20	5	Storage D15 & R13
03 02 01	T Wood Preservative	2200	5	Storage D15 & R13
03 02 04	T Waterbased mixture of Tanlaith E/Tanatone 1% solution & creosote	4840	5	Storage D15 & R13
03 03 05	T Deinking sludge	340	5	Storage D15 & R13
03 08 14	T Filter cake	2460	5	Storage D15 & R13
04 02 14	T Chlorinated Solvent Residues	1640	5	Storage D15 & R13
04 02 16	T Dyes & Pigments	25	5	Storage D15 & R13
05 01 08	T Tar	8600	10	Storage D15 & R13
06 01 01	T Sulphuric acid and Nitrous acid	16560	20	Storage D15 & R13
06 01 02	T Hydrochloric Acid	620	5	Storage D15 & R13
06 01 03	T Hydrochloric Acid	280	5	Storage D15 & R13
06 01 04	T Phosphoric Acid	28760	50	Storage D15 & R13
06 01 05	T Nitric Acid	1970	5	Storage D15 & R13
06 01 06	T Other acids	23705	30	Storage D15 & R13
06 01 99	T Acidic Solution	95100	150	Storage D15 & R13
06 02 03	T Corrosive liquid	1220	5	Storage D15 & R13
06 02 04	T Sodium Hydroxide	12020	20	Storage D15 & R13
06 02 99	T Non regulated material - Permethrin - Imidazole - Monoethanolamine	2900	5	Storage D15 & R13
06 03 14	T Sodium Persulphate	30	5	Storage D15 & R13
06 04 04	T Mercury	470	5	Storage D15 & R13

EWC Code	Waste Description	Weight (Kg)	Proposed TPA/ Tonnes	Disposal / Recovery Code
07 01 04	T Aqueous Waste	1240	5	Storage D15 & R13
07 01 99	T WEEE MFSU Organic Chemicals	2730	5	Storage D15 & R13
07 02 04	T Solvents	130	5	Storage D15 & R13
07 02 10	T Flammable Solid (solidified acetone gel & absorbents)	12970	20	Storage D15 & R13
07 05 01/ 15 02 02	T Flammable Liquid(adhesives)	15120	20	Storage D15 & R13
07 05 05	T Organic Solvents	165780	200	Storage D15 & R13
07 05 13	T Sludges containing acetone, ethanol)	11640	20	Storage D15 & R13
07 06 99	T Redundant Cosmetics	1500	5	Storage D15 & R13
07 07 01	T Floor washings	620	5	Storage D15 & R13
08 01 11	T Paint related waste	438190	500	Storage D15 & R13
08 01 12	T Varnish	54840	100	Storage D15 & R13
08 01 13	T Paint Related Material	11040	20	Storage D15 & R13
08 01 17	T Solvents	550	5	Storage D15 & R13
08 02 01	T Aluminium Oxide	6180	5	Storage D15 & R13
08 03 12	T Ink Waste	211780	250	Storage D15 & R13
08 03 13	T Ink waste	16640	20	Storage D15 & R13
08 03 17	T Toner cartridges	3500	5	Storage D15 & R13
08 03 99	T Imaging Oil	1060	5	Storage D15 & R13
08 04 09	T Adhesives	216870	250	Storage D15 & R13
08 04 10	T Waste Adhesives	44260	50	Storage D15 & R13
08 04 13	T Aqueous sludge	2800	5	Storage D15 & R13
09 01 01/ 09 01 04	T Water based developer & activator solutions/fixed solutions	50350	100	Storage D15 & R13
09 01 02	T Plate Cleaner	80	5	Storage D15 & R13
10 11 11	T Phosphor Powder	380	5	Storage D15 & R13
11 01 05	T Hydrochloric acid solution	5550	5	Storage D15 & R13
11 01 06	T Chromic Acid	400	5	Storage D15 & R13
11 01 09	T Filtercake	286830	300	Storage D15 & R13
11 01 10	T Filter cake	5380	5	Storage D15 & R13
11 01 11	T Copper Sulphate Solution	15120	20	Storage D15 & R13

EWC Code	Waste Description	Weight (Kg)	Proposed TPA/ Tonnes	Disposal / Recovery Code
11 01 12	T No haz Aqueous gun cleaner	4605	5	Storage D15 & R13
11 01 13	T Degreaser	1780	5	Storage D15 & R13
11 01 14	T Bio Act Cleaner	900	5	Storage D15 & R13
11 03 01	T Plating Solution	8550	5	Storage D15 & R13
11 05 99	T Bag Filter Dust	11740	20	Storage D15 & R13
12 01 04	T Metal dust	2100	5	Storage D15 & R13
12 01 09	T Coolant	96340	100	Storage D15 & R13
12 01 17	T Blasting Grit	7800	5	Storage D15 & R13
12 01 99	T Filtercake	2800	5	Storage D15 & R13
13 02 06	T Heavy fuel oil	8000	5	Storage D15 & R13
13 02 08	T Waste Oil	24655	25	Storage D15 & R13
13 05 03	T Interceptor waste	2850	5	Storage D15 & R13
13 07 01	T Petroleum Distillates	1420	5	Storage D15 & R13
13 08 99	T Oily waste/Booms	4120	5	Storage D15 & R13
14 06 01	T Aerosols	5090	5	Storage D15 & R13
14 06 02	T Solvent	72900	100	Storage D15 & R13
14 06 03	T Solvent	265160	300	Storage D15 & R13
14 06 06	T Aerosols	1840	5	Storage D15 & R13
15 01 02	T Plastic Packaging	440	5	Storage D15 & R13
15 01 04	T Paint related waste	50	5	Storage D15 & R13
15 01 05	T Composite Packaging	5000	5	Storage D15 & R13
15 01 10	T Cont Packaging	72780	100	Storage D15 & R13
15 01 11	T Aerosols	30	5	Storage D15 & R13
15 02 02	T Oil Absorbents/Filters	356895	500	Storage D15 & R13
15 02 03	T Absorbents	15190	20	Storage D15 & R13
16 01 07	T Oil filters	620	5	Storage D15 & R13
16 01 13	T Brake Fluid	50	5	Storage D15 & R13
16 01 14	T Antifreeze	21380	20	Storage D15 & R13
16 01 15	T Anti-freeze	850	5	Storage D15 & R13
16 01 20	T Glass	200	5	Storage D15 & R13
16 01 21	T Mirror cells	400	5	Storage D15 & R13
16 02 06	T WEEE	150	5	Storage D15 & R13
16 02 09	T PCB waste	150	5	Storage D15 & R13
16 02 14	T WEEE	350	5	Storage D15 & R13
16 02 16	T WEEE	2060	5	Storage D15 & R13

EWC Code	Waste Description	Weight (Kg)	Proposed TPA/ Tonnes	Disposal / Recovery Code
16 03 03	T Off spec inorganic waste	32625	50	Storage D15 & R13
16 03 04	T Off Spec Products	33950	50	Storage D15 & R13
16 03 05	T Off spec organic waste	1715	5	Storage D15 & R13
16 05 04	T Aerosols	2465	5	Storage D15 & R13
16 05 05	T Aerosols	85	5	Storage D15 & R13
16 05 06	T Spent Lab Chemicals	44185	100	Storage D15 & R13
16 05 07	T Discarded Inorganic Chemicals	31553	50	Storage D15 & R13
16 05 08	T Organic Chemicals	980	5	Storage D15 & R13
16 05 09	T Discarded Chemicals	17430	20	Storage D15 & R13
16 06 01	T Batteries	3280	5	Storage D15 & R13
16 06 04	T Batteries	40	5	Storage D15 & R13
16 07 08	T Tank Cleaning waste	9100	10	Storage D15 & R13
16 07 09	T Tank Cleaning waste	18340	20	Storage D15 & R13
16 09 03	T Peroxides	7040	10	Storage D15 & R13
16 10 01	T Aqueous Waste	136480	200	Storage D15 & R13
17 02 04	T Treated cooling Tower Timber	495910	500	Storage D15 & R13
17 03 01	T Cont Soil	524100	500	Storage D15 & R13
17 03 02	T Bitumen Emulsion	1810	5	Storage D15 & R13
17 05 03	T Contaminated Soil	34451035	50000	Storage D15 & R13
17 05 04	T Soil and stones	532600	1000	Storage D15 & R13
17 06 01	T Asbestos	887185	1000	Storage D15 & R13
17 06 05	T Asbestos	2513220	3000	Storage D15 & R13
18 01 01	T Sharpes	705	5	Storage D15 & R13
18 01 06	T Pharmaceutical Waste	22145	30	Storage D15 & R13
18 01 09	T Dental Waste	12220	15	Storage D15 & R13
18 02 02	T Clinical Waste	360	5	Storage D15 & R13
18 02 05	T Veterinary Waste	30000	50	Storage D15 & R13
18 02 06	T Waste from human or animal healthcare research other than those mentioned in 18 02 05	1880	5	Storage D15 & R13
18 02 07	T Medicinal waste	100	5	Storage D15 & R13
18 02 08	T Veterinary Waste	7630	5	Storage D15 & R13
19 02 05	T Filter Cake	35990	50	Storage D15 & R13

EWC Code	Waste Description	Weight (Kg)	Proposed TPA/ Tonnes	Disposal / Recovery Code
19 09 04	T Waste Activated Carbon	21142	25	Storage D15 & R13
19 09 05	T Ion Exchange resin	3030	5	Storage D15 & R13
20 01 02	T Glass	40	5	Storage D15 & R13
20 01 08	T Cooking Oil	240	5	Storage D15 & R13
20 01 19	T Pesticides	10610	20	Storage D15 & R13
20 01 21	T Flourescent tubes	350	5	Storage D15 & R13
20 01 23	T Aerosols	6610	5	Storage D15 & R13
20 01 25	T Food Grease	1910	5	Storage D15 & R13
20 01 25	T Waste Oil	220	5	Storage D15 & R13
20 01 26	T Lubricating grease	5930	5	Storage D15 & R13
20 01 27	T Paint cans	197935	250	Storage D15 & R13
20 01 29/ 11 02 02	T Detergent/Corrosive Liquid/resin	3665	5	Storage D15 & R13
20 01 31	T Waste Medicines	185	5	Storage D15 & R13
20 01 32	T Spent medicines	275	5	Storage D15 & R13
20 01 33	T Lead Acid batteries	220	5	Storage D15 & R13
20 01 34	T Batteries	990	5	Storage D15 & R13
20 01 35	T WEEE	200	5	Storage D15 & R13
20 01 36	T Compensator	2400	5	Storage D15 & R13
15 01 10	Waste Drums/Contaminated Packaging	98600	150	R2
15 01 10	Waste Drums/Contaminated Packaging	18280	30	R2
15 01 10	Waste Drums/Contaminated Packaging	425640	500	R4
15 01 10	Waste Drums/Contaminated Packaging	813460	1000	R4

Attachment H.2:**Waste Acceptance Procedures**

All waste upon arrival at site is weighed in and relevant information regarding content/ source/ weight etc., is logged by the materials handling supervisor on site in the weighbridge office. Depending on content the waste is then transferred to one of four separate buildings on site namely:

1. Drum Recovery Centre;
2. Hydrocarbon Waste Treatment Centre;
3. Hazardous Waste Transfer Station inc. Asbestos
4. Contaminated Soil/Drill Cuttings Waste Processing and Recovery

Proprietary customised software at the weighbridge allows for the recording of details of each waste movement to the site including the following:

- Haulier name;
- Vehicle registration;
- Waste source;
- Waste type (EWC Code);
- Laden weight;
- Empty weight;
- Tare weight; and
- Area of deposition on-site.

For operational details in relation to this application, refer to Attachment D.2.

Record keeping forms and procedures are contained in Attachment H.2.

Attachment H.3:**Waste Handling**

For Waste Handling Procedures in relation to this application, refer to Attachment D.2.

Attachment H.4:

The quantities of each type of waste generated on an annual/monthly basis should be calculated and stated in Tables H.1 (i) and H.1 (ii) of the application form. Applicants should also provide conversion factors used to relate volume (m³) and tonnage (t) for their waste stream.

Refer to Section 4 of the AER in Attachment B.3 for contaminated soil quantities taken in and transferred offsite from January to December 2007.

This Waste Licence Review Application addresses the following:

Appropriateness of Use /Proposed Use

RILTA proposes to supply the asphalt/re-surfacing sectors, which are typically based in the quarrying industry. RILTA also propose to supply the Cement Manufacturing Industry. RILTA will notify the EPA of any sites they wish to supply and will seek prior approval before commencing supply.

Certainty of Use

RILTA currently contracts one commercial partner for the delivery of waste oil to its outlets. To ensure traceability, signed delivery dockets are used for invoicing purposes. All drivers and tankers comply with the terms of ADR – the transport of dangerous goods by road and rail and will have relevant waste collection permits. In addition RILTA have undertaken to install level sensors at each of the storage tanks of its customers. These operate remotely and relay the level information which can be monitored via computer. In this way all quantities delivered and the usage rate can be displayed. Leaks or large movements of fuel can also be recorded.

Further Processing of the Waste Oil by the User

The user will not have to undertake any further processing of the waste oil prior to its use in the approved site/sector.

RILTA Environmental Ltd.			
EMS PROCEDURE MANUAL			
TITLE	LIQUID WASTE ACCEPTANCE	REF	EOP 007a
ISSUED BY		APPROVED BY	
DATE		PAGE	1 of 2

This document is issued and controlled by the Environmental Manager. This is a controlled document subject to change at any time, and therefore should not be copied. Only signed, authorised copies may be used as working documents.

Revision	Description	By	Approved	Date
Dec 06	Company Name Change	CH	NB	15/12/2006

1.0 Purpose

To record and document the deliveries of liquid waste accepted on site.

2.0 Scope

This procedure relates to all liquid waste delivered to the site for physico-chemical treatment.

3.0 Responsibility

The Facility Manager and relevant site staff are responsible for carrying out this procedure.

4.0 Procedure

- 4.1 The facility supervisor/ senior operator contacts the vehicle co-ordinator at the end of each working day and is informed of the expected volume and origin of waste for the forthcoming day.
- 4.2 Upon arrival at the facility a copy of the appropriate waste collection documentation is presented to the site supervisor/ senior operator. This is inspected to ensure completeness and suitability of the waste. If necessary, the facility supervisor/ senior operator will discuss the content of the incoming load with the haulier, concerning parameters such as odours and viscosity in order to establish clearly the type and nature of the waste.
- 4.3 If the waste is deemed acceptable, the tanker is directed to the weighbridge. The contents, source and weight of the delivery are recorded (see 4.4).
- 4.4 All incoming liquid waste data delivered by RILTA vehicles is recorded in EFM004a. All incoming liquid waste delivered by Third Parties is recorded in EFM004b. Records of all deliveries are stored in a file in the control building. Waste consignment notes, in conjunction with record forms, ensure comprehensive documentation and cradle-to-grave traceability.

RILTA Environmental Ltd.			
EMS PROCEDURE MANUAL			
TITLE	LIQUID WASTE ACCEPTANCE	REF	EOP 007a
ISSUED BY		APPROVED BY	
DATE		PAGE	2 of 2

- 4.5 Samples of new waste streams may be tested if they are not accompanied by an MSDS sheet and/or existing chemical analysis. Analysis may be visual or physical; or in the case of unknown waste streams may require a full chemical analysis to be completed before allowing acceptance.
- 4.6 Waste streams containing high COD levels (>3,000mg/l) are stored and are not allowed to proceed through the system until it has been diluted with other weaker COD streams(<3,000mg/l).
- 4.8 If a waste stream is found to have excessively high C.O.D. (>30,000mg/l), that stream is refused entry to the facility.
- 4.7 Where possible, all new deliveries to the facility are sampled at least 24hrs before shipment. This gives the site supervisor knowledge of whether or not the waste stream is acceptable.
- 4.10 After a period of regular delivery from an established customer a reliable database of the characteristics of waste can be built up and only periodic spot-checks of waste loads will be required.
- 4.11 In a situation where RILTA Environmental are requested to deal with a waste whose COD, or other characteristics, make it unsuitable for treatment at the facility, such a substance may be accepted onto the site for short term storage prior to consignment to an appropriately licensed operator.
- 4.12 The period of storage will be dependent on arrangement of consignment to an appropriate operator and may involve the preparation of documentation pertaining to the Trans-Frontier Shipment of waste(TFS forms) and/or the preparation of Consignment Notes (CI forms) which are required for the transport of toxic and dangerous waste under the European Communities (Toxic & Dangerous Waste) Regulations, 1982. Such wastes will be temporarily stored in the waste quarantine area.

RILTA Environmental Ltd.			
EMS PROCEDURE MANUAL			
TITLE	Waste Acceptance Criteria for Brokerage Waste	REF	EOP 007m
ISSUED BY		APPROVED BY	
DATE	MARCH 2008	PAGE	1 of 1

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Revision	Description	By	Approved	Date

1.0 Purpose

To ensure all waste for storage, prior to export, accepted at the transfer station conforms to ADR regulations, if applicable, and on-site storage criteria.

2.0 Scope

This procedure details the acceptance criteria of waste entering Bay 4 only.

3.0 Responsibility

The Facility Manager is responsible for ensuring that this procedure is carried out. Relevant site staff are responsible for following this procedure.

4.0 Procedure

- 4.1 On receipt of an enquiry, the hazardous waste notification form and hazardous waste terms and conditions form (EFM018 & EFM019) are furnished to the customer.
- 4.2 If the customer requires assistance with the packaging and labelling of the waste, rep from Rilta will be detailed to complete the packaging/labelling/paperwork process on the customer's/waste producer's site.
- 4.3 When this process has been completed, the notification form shall be returned to Rilta for approval by a competent DGSA.
- 4.4 On approval, a convenient time and date will be organized between all stakeholders for delivery to site at Greenogue.
- 4.5 On arrival at Greenogue, the waste shall be weighed and booked in at the weighbridge as normal.
- 4.6 The waste, with all accompanying paperwork i.e. C1, tremcard and hazardous waste notification form shall be directed to Bay 4 and contact, Colin Moore.

RILTA Environmental Ltd.			
EMS PROCEDURE MANUAL			
TITLE	Waste Acceptance Criteria for Brokerage Waste	REF	EOP 007m
ISSUED BY		APPROVED BY	
DATE	MARCH 2008	PAGE	2 of 1

- 4.7 All waste containers including pallets shall be inspected while still on the delivery vehicle. If safely packaged, waste shall then be unloaded and cross-referenced with the relevant paperwork. Waste containers shall be closely inspected when on the ground in Bay 4. Only when the waste containers have been individually and comprehensively checked, is the paperwork returned to the driver for completion.
- 4.8 In the unlikely event of waste being unsuitable for acceptance, the waste is reloaded onto the delivery vehicle and further instruction sought as per EMS007n.

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Section I.

Existing Environment

Attachment I.1:

The details of ongoing environmental monitoring of emissions to air are included in Section 5.4 of the AER, Attachment B3.

This Waste Licence Review Application addresses the environmental impact of the reprocessed waste oil for reuse as a fuel compared to gas oil, including a comparison of emissions.

RILTA employed the services of Resource and Environmental Consultants Ltd. to carry out combustion gas monitoring on a sample of reprocessed waste oil over the period 10th – 12th January 2009. Table I.1 below shows the velocity, flow and temperature data from the monitoring points reported at actual stack conditions. The results of the combustion gas monitoring of the reprocessed waste oil compared to gas oil is summarised below in Table I.2. Sampling was carried out continuously throughout both days, with no process variations.

Table I-1 Flow Data

Stack Reference	Stack Temp	Av Pitot ΔP	X-Sectional Area	Velocity (Actual)	Volume Flow (m ³ /hr)	
	°C	(Pa)	(m ²)	(m/s)	(actual)	(@ ntp)
10/01/09	445	247	0.023	31.6	2,580	982
12/01/09	264	107	0.023	18.2	1,487	756

Table I-2 Combustion Gas Emission Data Summary – Steam Generator

Emission Parameter	Average Emission Concentration, (10/01/09) Waste Oil	Average Emission Concentration, (12/01/09) Waste Oil	Typical Releases Gas Oil (Low S)
O ₂ (% vol)	14.6	15.0	-
CO ₂ (% vol)	4.3	4.0	-
CO (mg/m ³)	81	40	10-100
NO _x as NO ₂ (mg/m ³)	13	102	100-300
SO ₂ (mg/m ³)	2	2	30-100

Note: Emission concentrations expressed at the standard reference conditions of 273K,

101.3kPa, dry gas, no O₂ correction

As shown above NO₂ and SO₂ emissions for the reprocessed waste oil sample are low compared to that of the typical releases of gas oil. See Attachment I.1 for a complete laboratory results report.

The NO_x and SO_x for the reprocessed waste oil and gas oil are compared against typical Quarry Air Emission Licence Limits. The results are summarised in Table I.3 below and show that the NO_x and SO_x levels reported for the reprocessed waste oil are well below the air emission licence limits set for the extractive industry. Particulates are quarry dependent and are assessed and analysed on site at each individual quarry location. Therefore, particulates have not been included in the analysis.

Table I-3 Typical Quarry Air Emission Licence Limits

Emission Parameter	NO _x (mg/m ³)	SO _x (mg/m ³)
Whelans Quarries, Carrigtwohill, Co. Cork	450	500
Whelans Quarries, Ennis, Co.Clare	400	500
Killough Quarries, Thurles, Co. Tipperary	450	500
Carrolls Cross Quarries, Co. Waterford	450	500

Attachment I.2:

The details of ongoing environmental monitoring of emissions to surface water are included in Section 5.2 of the AER, Attachment B3.

Attachment I.3:

The details of ongoing environmental monitoring of emissions to sewerage are included in Section 5.3 of the AER, Attachment B3.

Attachment I.4:

Ongoing monitoring of three onsite boreholes (BH1, BH2 and BH3) is carried out on a monthly basis at the facility as required under Waste Licence 192-02. Groundwater monitoring data is included in Section 5.1 of the AER in Attachment B.3. The locations of current boreholes on site are shown in Drawing No. 4709/1105 (Attachment E.1).

Attachment I.5:

Prior to development of this site by RILTA, this location was a greenfield site. The ongoing monitoring reflects the current activities at the site and the operations of the existing facility.

Attachment I.6:

An assessment of noise emissions is included in Section 5.6 of the AER. The locations of all noise monitoring points on site are shown in Drawing No. 4709/1105 (Attachment E.1).

Attachment I.7:

Biological assessment / kick sampling of the Griffeen River was carried out in 2005 as required by the previous Waste Licence 192-1. These results indicate that water quality in the Griffeen river had improved since the initial assessment in 2002.

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Resource & Environmental Consultants Ltd



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2c32352DraftReport
14 January, 2009

Mr Peter Brady
Trident Waste Oil Solutions Ltd
Stockpit Road
Knowsley Industrial Park North
Liverpool
Merseyside
LL33 7TQ

Dear Peter,

MONITORING OF WASTE OIL (REL210) EMISSIONS FROM STEAM GENERATOR

Please find attached the preliminary draft results of the combustion gas monitoring carried out at your site over the period 10-12 January, 2009 by Brian Jacob MM06 693, MCERTS L2 TE 1-4, and Jeff Tate MM08 917 MCERTS L1.

A full MCERTS report will be issued when all of the analytical data from the additional measurements undertaken has been received (10 working day turnaround from day after sample submission).

1) Sampling Methodology

To determine the concentration of the combustion gases in emissions, a Horiba PG250 portable gas analyser was employed. The analyser consists of a sintered filter, to remove particulate matter, a heated sampling line a gas conditioning unit, and the analyser. This equipment satisfies the requirements of BS EN 14789 for O₂, ISO 12039 for CO₂, BS EN 14792 for NO_x, BS EN 15059 for CO, and ISO 7935 for SO₂ (in house method MM0002).

The Horiba PG250 was span and zero calibrated prior to and on completion of the tests.

Sampling was carried out continuously throughout both days, with no process variations.

A flow and temperature profile across the sampling points was carried out in accordance with in-house method MM0004. The stack temperature was measured using a thermocouple and digital thermometer. An "L" type pitot-static probe and digital manometer were used to measure pitot-static pressures in the ducts to allow an efflux velocity to be calculated. This data is shown in Table 4 below.

2) Results

Velocity, flow and temperature data from the monitoring periods are presented in Table 1, with velocity expressed in metres per second (m/s) and volumetric flowrates expressed in cubic metre per hour (m³/hr).

The results are reported at actual stack conditions and the volumetric flowrate is further expressed at the standard reference conditions of 273K, 101.3kPa i.e. standard temperature and pressure (STP).

The results of the combustion gas monitoring are summarised in Table 2. Data for CO, NO_x and SO₂ recorded in part per million (ppm) as measured has been converted to milligram per cubic metre (mg/m³). Results for O₂ and CO₂ are reported in % volume (%vol). All the data is reported at the standard reference conditions of 273K, 101.3kPa, dry gas, without correction for oxygen content.

Data has been taken from periods when the Generator was operating normally – coil over heating problems caused fresh air intake and obvious dilution of emissions (see Figures 1 & 2). Periods when the O₂ levels approached 19-21%vol have therefore been removed from the data averaging.

Monitoring for combustion gases was carried out continuously with data averaged over 15 second intervals.

Also provided in Table 2 are typical release concentrations from boiler plant supplied for comparison purposes.

If you have any questions do not hesitate to give me a call.

Best Regards,

Brian Jacob
Operations Manager
MM06 693 MCERTS L2, TE1-4

Enclosures:

Figure 1: Min

TABLE 1
FLOW DATA

Stack Ref.	Stack Temp	Av Pitot ΔP	X-Sect. Area	Velocity (actual)	Volume Flow (m ³ /hr)	
	(°C)	(Pa)	(m ²)	(m/s)	(actual)	(@ ntp)
10/01/09	445	247	0.023	31.6	2,580	982
12/01/09	264	107	0.023	18.2	1,487	756

TABLE 2
COMBUSTION GAS EMISSION DATA SUMMARY – STEAM GENERATOR

Emission Parameter	Average Emission Concentration, (10/1/09) Waste Oil REL210	Average Emission Concentration, (12/1/09) Waste Oil REL210	Typical Releases Gas Oil (Low S)
O ₂ (%vol)	14.6	15.0	-
CO ₂ (%vol)	4.3	4.0	-
CO (mg/m ³)	81	40	10 - 100
NO _x as NO ₂ (mg/m ³)	123	102	100 - 300
SO ₂ (mg/m ³)	2	2	30 - 100

Note: Emission concentrations expressed at the standard reference conditions of 273K, 101.3kPa, dry gas, no O₂ correction.

Fig 1: Combustion Gas Emission Data, Trident Waste Oil, Steam Generator (10/1/09)

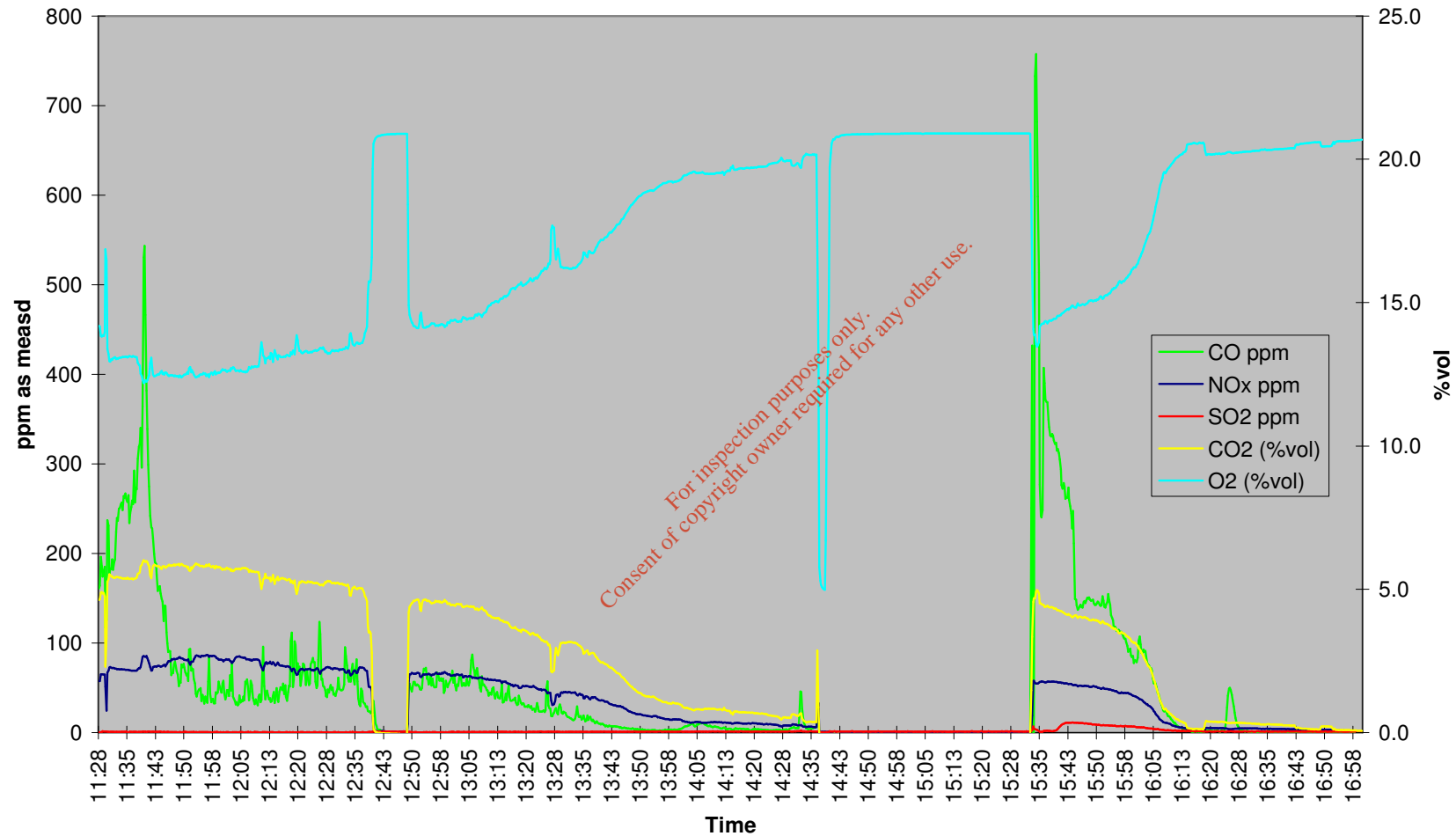
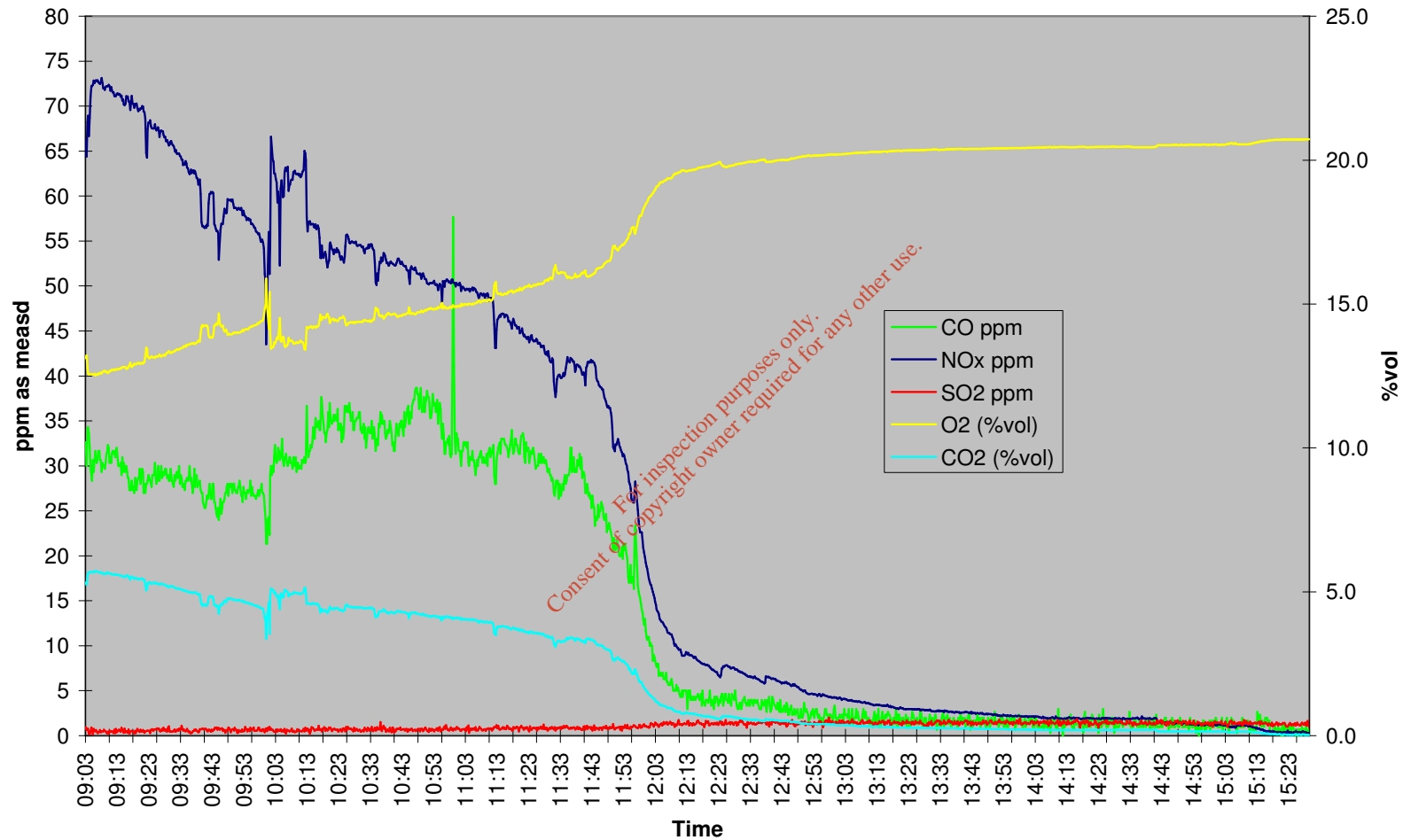


Fig 2: Combustion Gas Emission Data, Trident Waste Oil, Steam Generator (12/1/09)



Section J

Accident Prevention and Emergency Response

Attachment J:

Accidents and other emergencies are handled by calling in the relevant authorities including the Fire Service, Gardaí, or Ambulance Services. Emergency response contact numbers for all these services have been prominently posted on-site. All site operatives and other relevant employees of RILTA have been trained in emergency response procedures and in fire prevention and control.

Site safety procedures have been adopted to protect any persons from injury on-site. Should injury occur, the site operative is the first to administer assistance. Emergency and first-aid materials are available in all the site buildings. Emergency and first-aid procedures are also prominently displayed in the site buildings adjacent to the waste inspection and quarantine areas.

The primary contingency for the facility relates to fire control, which is dealt with in some detail in Attachment E.6. An Environmental Management System (EMS) has been implemented for the site and is included in the AER, Appendix E in Attachment B.3.

The site is unattended by RILTA staff during the night, Sundays and Bank Holidays. However site personnel and other employees of RILTA will be available in the event of any emergency at the site outside of normal working hours. An emergency contact number has been prominently posted at the site entrance.

Local emergency services have been informed of contact numbers for key RILTA personnel. In addition during periods outside normal working hours a security firm are employed to monitor the site. Security personnel also have the relevant contact numbers.

These security arrangements are in place in order to guard against unlawful trespass and vandalism. Basic routines exist whereby any cash, records and equipment are either taken off-site daily or secured in the site buildings. These procedures are carried out in the interest of overall security.

Contingency Plans in the Event of Environmental Contamination

The site infrastructure encompassing a fully bunded site and all operations taking place within separately bunded buildings prevents the possibility of a significant groundwater contamination incident. In the unlikely event of the need to contain the dispersion of groundwater, extraction wells have been installed downgradient of the site.

The discharge from the surface water attenuation tank to the Griffeen River is monitored on a regular basis. In the unlikely event that deterioration in the surface water quality being discharged is detected or if there is an external spillage on site, a cut-off valve at

the discharge from the attenuation tank will activate either remotely or manually and all surface water will be contained in the attenuation tank preferably or diverted to the fire retention tank. This system allows for the retention of all surface water on-site until the spill event is investigated and remediated. It is also possible to provide emergency pumping from the attenuation tank to the foul water sewer in the event of a continued spillage. In addition to the above and in the unlikely event of fire at the site, all firewater collected in the surface water drainage system can be directed to the firewater retention tank. This retention tank can be pumped for discharge off-site depending on the degree of contamination of the firewater.

Contingency Plans in the Event of an Accidental Spillage

The Water Attenuation Tank for the site has a retention capacity of 600,000 litres, allowing for an attenuation rate of 6 litres/second/hectare (l/s/ha.) from the facility.

The water attenuation tank is fitted with a cut-off valve, which may be operated both manually and remotely. This allows for the retention of all surface water on site in the unlikely event of an accidental spillage on site. In the event of such a spillage all contaminated surface water will firstly be diverted to the fire retention tank on site. If the capacity of the fire retention tank proves insufficient for the spill the capacity of the attenuation tank can then be used. This procedure ensures that any water that is in the attenuation tank will not be mixed with contaminated water and unnecessarily increase the volume of water that has to be discharged to the foul sewer. The same procedure applies to any fire-water used for fire-fighting in the unlikely event of a fire on-site.

Ongoing environmental monitoring of all parameters on site ensures that unexpected emissions are recorded on site and reported to the EPA, as described in the AER, Attachment B.3.

Section K

Remediation, Decommissioning, Restoration and Aftercare

Attachment K:

Refer to the Environmental Liabilities Risk Assessment (ELRA) Report in Attachment L.2.

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Section L

Statutory Requirements

Attachment L.1:

Section 40 (4) WMA

An EPA waste licence is active for the facility –Waste Licence 192-02. All monitoring is carried out in compliance with this licence and quarterly and annual reports are issued to the EPA detailing all monitoring results.

Section 40 (4) (a)-(g)

- (a) A waste licence, No. 192-02, is currently active at the RILTA facility and all emissions that exceed the individual parameter thresholds are reported to the EPA.
- (b) Routine monitoring and operations are carried out in accordance with the conditions of the current waste licence, No. 192-02.
- (bb)N/A
- (c) RILTA aim at all times to use best available techniques to prevent or eliminate or, where it is not practicable, to limit, abate or reduce an emission from the activity concerned.
- (cc) The activities concerned are consistent with the objectives of the National Waste Management Policy, National Hazardous Waste Management Plan and the Dublin Waste Management Plan 2005-2010.
- (d) The facility currently holds a waste licence and the Directors and management responsible for this waste licence are “fit and proper” as described in Section C and Section L of this Waste Licence Application.
- (e) The applicant has complied with any requirements under Section 53.
- (f) Energy will continue to be used efficiently in the carrying on of operations at the facility. Energy use for 2007 is discussed in Section G.
- (g) Routine noise monitoring is included in the conditions of the current waste licence.
- (h) Health and Safety procedures are in place at the facility as listed in the EMS (Environmental Management Statement) in Attachment B.3. In addition, details of emergency procedures in the event of an accidental spillage on site will be followed as stated in Attachment J above. Ongoing environmental monitoring of all parameters on site ensures that unexpected emissions are recorded on site and reported to the EPA, included in the AER, Attachment B3.
- (i) Refer to Attachment K above.

Attachment L.2:

Fit and Proper Person

Neither the Directors of RILTA Environmental Ltd, nor any other relevant person connected with RILTA Environmental Ltd have been convicted under the Waste

Management Act 1996, of offences as prescribed in Regulations. RILTA will ensure that all plant and procedures comply with BAT standards.

An organisational chart of the current management structure is shown in C.1. and the applicant's technical knowledge and/or qualifications, along with that of other relevant employees is included in Attachment C.1. above.

A single confidential copy of the Financial Provisions (Environmental Liabilities Risk Assessment (ELRA) Report) is contained in Attachment L.2 below. This ELRA is due to be updated in 2009.

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