



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

Section 76A(11) Amendment
to
Industrial Emissions Licence

Licence Register Number:	W0185-01
Licensee:	Rilta Environmental Limited
Location of Installation:	Block 402, Grant Drive Greenogue Business Park Rathcoole Dublin

Reason for the Decision

The Environmental Protection Agency has examined the terms of Licence Reg. No. W0185-01 as required by the provisions of Section 76A(8)(a) of the Waste Management Act 1996 as amended, and determined that the licence can be brought into conformity with the provisions and requirements of Council Directive 2010/75/EU by the exercise of the powers conferred by Section 76A(11) of the Waste Management Act 1996 as amended.

The Environmental Protection Agency is satisfied, on the basis of the information available, that subject to compliance with the conditions of Licence Reg. No. W0185-01, granted on 31/05/2004, any amendments made to date, as well as any amendments noted herein, the carrying on of the activity will comply with and not contravene any of the requirements of Section 40(4) of the Waste Management Act 1996 as amended.

Amendment

In pursuance of the powers conferred on it by Section 76A(11) of the Waste Management Act 1996 as amended, the Agency hereby amends Licence Reg. No. W0185-01, granted to Rilta Environmental Limited, Block 402, Grant Drive, Greenogue Business Park, Rathcoole, Dublin.

Henceforth, the licence shall be read in conjunction with any other amendment made to the licence and the amendments set out below.

From the date of this amendment, Licence Reg. No. W0185-01 shall be deemed to be an Industrial Emissions Licence granted under Part IV of the Environmental Protection Agency Act 1992 as amended and shall not be a waste licence or revised waste licence.

This amendment is limited to the following Glossary of Terms or Interpretation, Conditions and Schedules of Licence Reg. No. W0185-01:



Amendments

Amend Glossary of Terms or the Interpretation as follows

To be inserted into the Glossary or the Interpretation of the existing licence or where relevant replace the existing term.

BAT conclusions	A document containing the parts of a BAT reference document laying down the conclusions on best available techniques, their description, information to assess their applicability, the emission levels associated with the best available techniques, associated monitoring, associated consumption levels and, where appropriate, relevant site remediation measures.
BAT reference document	A document drawn up by the Commission of the European Union in accordance with Article 13 of the Industrial Emissions Directive, resulting from the exchange of information in accordance with that Article of that Directive and describing, in particular, applied techniques, present emissions and consumption levels, techniques considered for the determination of best available techniques as well as BAT conclusions and any emerging techniques.
Facility	A site or premises used for the purpose of the recovery or disposal of waste or an installation.
Groundwater	Has the meaning assigned to it by Regulation 3 of the European Communities Environmental Objectives (Groundwater) Regulations 2010 (S.I. No. 9 of 2010).
Industrial Emissions Directive	Industrial Emissions Directive means Directive 2010/75/EU of the European Parliament and of the Council of 24 November 2010 on industrial emissions (integrated pollution prevention and control) (Recast).
Installation	A stationary technical unit or plant where the activity concerned referred to in the First Schedule of EPA Act 1992 as amended is or will be carried on, and shall be deemed to include any directly associated activity, which has a technical connection with the activity and is carried out on the site of the activity.
Waste	Any substance or object which the holder discards or intends or is required to discard.
Waste licensing under the Waste Management Act 1996	Any reference within Condition 1: <i>Scope</i> of this licence to "waste licensing under the Waste Management Act 1996" or any similar construed reference shall be deemed to mean a reference to "industrial emissions licensing under the Environmental Protection Agency Act 1992 as amended."



Amend the 'Schedule of Activities Licensed' as follows:

The licensed activities are amended to be as follows:

- 11.1 The recovery or disposal of waste in a facility, within the meaning of the Act of 1996, which facility is connected or associated with another activity specified in this Schedule in respect of which a licence or revised licence under Part IV is in force or in respect of which a licence under the said Part is or will be required.
- 11.2 (b) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment
- 11.2 (c) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving blending or mixing prior to submission to any of the other activities listed in paragraph 11.2 or 11.3
- 11.2 (d) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving repackaging prior to submission to any of the other activities listed in paragraph 11.2 or 11.3
- 11.2 (f) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving recycling or reclamation of inorganic materials other than metals or metal compounds
- 11.4 (a)(ii) Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving one or more of the following activities: physico-chemical treatment;
- 11.6 Temporary storage of hazardous waste, (other than waste referred to in paragraph 11.5) pending any of the activities referred to in paragraph 11.2, 11.3, 11.5 or 11.7 with a total capacity exceeding 50 tonnes, other than temporary storage, pending collection, on the site where the waste is generated.

Notwithstanding the foregoing, any limitations on waste recovery and disposal activities specified in this Part in accordance with the Third Schedule and Fourth Schedule of the Waste Management Act 1996 as amended including, where applicable, any refused waste disposal and recovery activities from the Third Schedule and Fourth Schedule of the Waste Management Act as amended shall continue to apply.

New Conditions

Amend the licence to insert the following additional conditions at the end of Condition 2 of the licence:

- 2A The licensee shall notify the Agency, in a format as may be specified by the Agency, without delay after:
 - (i) an incident or accident that significantly affects the environment, and/or
 - (ii) the occurrence of any breach of one or more of the conditions attached to this licence.



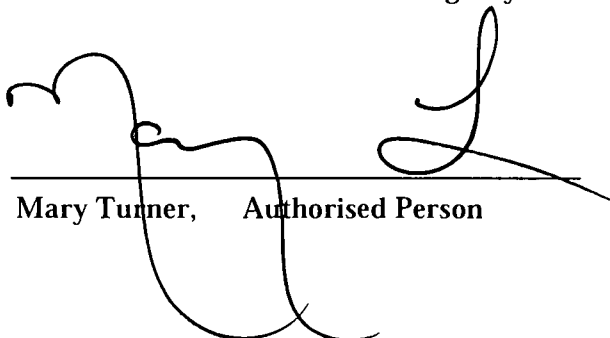
- 2B The licensee shall, where an incident or accident that significantly affects the environment occurs, without delay take measures to limit the environmental consequences of the incident or accident and to prevent further possible incident or accident.
- 2C The licensee shall, where a breach of one or more of the conditions of this licence occurs, without delay take measures to restore compliance with the conditions of this licence within the shortest possible time.
- 2D The licensee shall ensure that waste generated in the carrying on of the activity shall be prepared for re-use, recycling or recovery or, where that is not technically or economically possible, disposed of in a manner which will prevent or minimise any impact on the environment.

Reason:	<i>To bring the licence into conformity with the requirements of the Industrial Emissions Directive.</i>
----------------	--

This amendment shall be cited as a Section 76A(11) Amendment and should be read in conjunction with Licence Reg. No. W0185-01, granted on 31/05/2004 and any other amendments made to the licence.

Sealed by the seal of the Agency on this the 7th day of January, 2014

PRESENT when the seal of the Agency was affixed hereto:



Mary Turner, Authorised Person



Mr Colm Hussey
Rilta Environmental Limited
Facility Manager
Site No 14A1
Greenogue Business Park
Rathcoole
Co Dublin

Headquarters, PO Box 3000
Johnstown Castle Estate
County Wexford, Ireland
Y35 W821

Ceanncheathrú, Bosca Poist 3000
Eastát Chaisleán Bhaile Sheáin
Contae Loch Garman, Éire
Y35 W821

T: +353 53 9160600
F: +353 53 9160699
E: info@epa.ie
W: www.epa.ie

LoCall: 1890 33 55 99

8 November 2019

Reg No W0185-01

Dear Mr Hussey

The EPA has noted a clerical error in your Licence Reg No W0185-01. The EPA wishes to correct this clerical error under Section 96(1)(a) of the EPA Act as amended.

The amendment shall be read in conjunction with previous amendments and attached to your existing licence.

If you have any further queries, please contact the undersigned at Telephone No 053 9160600.

Yours sincerely



Eve O'Sullivan
Programme Officer
Environmental Licensing Programme
Office of Environmental Sustainability

Encl

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

CLERICAL AMENDMENT A
TO
INDUSTRIAL EMISSIONS LICENCE

Licence Register Number:	W0185-01
Company Registration Number:	374837
Licensee:	Rilta Environmental Limited
Location of Installation:	Block 14A1 Grant's Road Greenogue Business Park Rathcoole County Dublin

Reasons for the Decision

The Environmental Protection Agency is satisfied, on the basis of the information available, that subject to compliance with the conditions of Licence Reg. No. W0185-01 granted on 31 May 2004 and amended on 7 January 2014 as well as any amendments noted herein, any emissions from the activity will comply with and not contravene any of the requirements of Section 83(5) of the Environmental Protection Agency Act 1992 as amended.

Clerical Amendment

In pursuance of the powers conferred on it by Section 96(1)(a) of the Environmental Protection Agency Act 1992 as amended, the Agency amends the licence, granted to Rilta Environmental Limited for an installation located at Block 14A1, Grant's Road, Greenogue Business Park, Rathcoole, County Dublin.

Henceforth, the licence shall be read in conjunction with a Section 76A(11) Amendment issued on 7 January 2014, and the amendments set out below.

This clerical amendment is limited to the following:

Amendments

Amend Cover Page of Section 76A(11) Amendment, of this licence to read as follows:



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

Section 76A(11) Amendment to Industrial Emissions Licence

Licence Register Number:	W0185-01
Company Registration Number:	374837
Licensee:	Rilta Environmental Limited
Location of Installation:	Block 14A1 Grant's Road Greenogue Business Park Rathcoole County Dublin

Amend Page 1 of the Section 76A(11) Amendment of the licence, to read as follows:

Reason for the Decision

The Environmental Protection Agency has examined the terms of Licence Reg. No. W0185-01 as required by the provisions of Section 76A(8)(a) of the Waste Management Act 1996 as amended, and determined that the licence can be brought into conformity with the provisions and requirements of Council Directive 2010/75/EU by the exercise of the powers conferred by Section 76A(11) of the Waste Management Act 1996 as amended.

The Environmental Protection Agency is satisfied, on the basis of the information available, that subject to compliance with the conditions of Licence Reg. No. W0185-01, granted on 31/05/2004, any amendments made to date, as well as any amendments noted herein, the carrying on of the activity will comply with and not contravene any of the requirements of Section 40(4) of the Waste Management Act 1996 as amended.

Amendment

In pursuance of the powers conferred on it by Section 76A(11) of the Waste Management Act 1996 as amended, the Agency hereby amends Licence Reg. No. W0185-01, granted to Rilta Environmental Limited, Block 14A1, Grant's Road, Greenogue Business Park, Rathcoole, County Dublin.

Henceforth, the licence shall be read in conjunction with any other amendment made to the licence and the amendments set out below.

From the date of this amendment, Licence Reg. No. W0185-01 shall be deemed to be an Industrial Emissions Licence granted under Part IV of the Environmental Protection Agency Act 1992 as amended and shall not be a waste licence or revised waste licence.

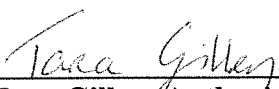
This amendment is limited to the following Glossary of Terms or Interpretation, Conditions and Schedules of Licence Reg. No. W0185-01:

T4

This clerical amendment shall be cited as Amendment A to the licence.

Sealed by the Seal of the Agency on this the 8th day of November, 2019

PRESENT when the seal of the Agency was affixed hereto



Tara Gillen/Authorised Person

TG



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

Section 76A(11) Amendment
to
Industrial Emissions Licence

Licence Register Number:	W0192-03
Licensee:	Rilta Environmental Limited
Location of Installation:	Block 402, Grant Drive Greenogue Business Park Rathcoole Dublin City

Reason for the Decision

The Environmental Protection Agency has examined the terms of Licence Reg. No. W0192-03 as required by the provisions of Section 76A(8)(a) of the Waste Management Act 1996 as amended, and determined that the licence can be brought into conformity with the provisions and requirements of Council Directive 2010/75/EU by the exercise of the powers conferred by Section 76A(11) of the Waste Management Act 1996 as amended.

The Environmental Protection Agency is satisfied, on the basis of the information available, that subject to compliance with the conditions of Licence Reg. No. W0192-03, granted on 22/07/2010, any amendments made to date, as well as any amendments noted herein, the carrying on of the activity will comply with and not contravene any of the requirements of Section 40(4) of the Waste Management Act 1996 as amended.

Amendment

In pursuance of the powers conferred on it by Section 76A(11) of the Waste Management Act 1996 as amended, the Agency hereby amends Licence Reg. No. W0192-03, granted to Rilta Environmental Limited, Block 402, Grant Drive, Greenogue Business Park, Rathcoole, Dublin City.

Henceforth, the licence shall be read in conjunction with any other amendment made to the licence and the amendments set out below.

From the date of this amendment, Licence Reg. No. W0192-03 shall be deemed to be an Industrial Emissions Licence granted under Part IV of the Environmental Protection Agency Act 1992 as amended and shall not be a waste licence or revised waste licence.

This amendment is limited to the following Glossary of Terms or Interpretation, Conditions and Schedules of Licence Reg. No. W0192-03:

Amendments

Amend Glossary of Terms or the Interpretation as follows

To be inserted into the Glossary or the Interpretation of the existing licence or where relevant replace the existing term.

BAT conclusions	A document containing the parts of a BAT reference document laying down the conclusions on best available techniques, their description, information to assess their applicability, the emission levels associated with the best available techniques, associated monitoring, associated consumption levels and, where appropriate, relevant site remediation measures.
BAT reference document	A document drawn up by the Commission of the European Union in accordance with Article 13 of the Industrial Emissions Directive, resulting from the exchange of information in accordance with that Article of that Directive and describing, in particular, applied techniques, present emissions and consumption levels, techniques considered for the determination of best available techniques as well as BAT conclusions and any emerging techniques.
Facility	A site or premises used for the purpose of the recovery or disposal of waste or an installation.
Groundwater	Has the meaning assigned to it by Regulation 3 of the European Communities Environmental Objectives (Groundwater) Regulations 2010 (S.I. No. 9 of 2010).
Industrial Emissions Directive	Industrial Emissions Directive means Directive 2010/75/EU of the European Parliament and of the Council of 24 November 2010 on industrial emissions (integrated pollution prevention and control) (Recast).
Installation	A stationary technical unit or plant where the activity concerned referred to in the First Schedule of EPA Act 1992 as amended is or will be carried on, and shall be deemed to include any directly associated activity, which has a technical connection with the activity and is carried out on the site of the activity.
Waste	Any substance or object which the holder discards or intends or is required to discard.
Waste licensing under the Waste Management Act 1996	Any reference within Condition 1: <i>Scope</i> of this licence to "waste licensing under the Waste Management Act 1996" or any similar construed reference shall be deemed to mean a reference to "industrial emissions licensing under the Environmental Protection Agency Act 1992 as amended."



Amend the 'Schedule of Activities Licensed' as follows:

The licensed activities are amended to be as follows:

- 11.1 The recovery or disposal of waste in a facility, within the meaning of the Act of 1996, which facility is connected or associated with another activity specified in this Schedule in respect of which a licence or revised licence under Part IV is in force or in respect of which a licence under the said Part is or will be required.
- 11.2 (b) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving physico-chemical treatment
- 11.2 (c) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving blending or mixing prior to submission to any of the other activities listed in paragraph 11.2 or 11.3
- 11.2 (d) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving repackaging prior to submission to any of the other activities listed in paragraph 11.2 or 11.3
- 11.2 (f) Disposal or recovery of hazardous waste with a capacity exceeding 10 tonnes per day involving recycling or reclamation of inorganic materials other than metals or metal compounds
- 11.4 (a) (ii) Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving one or more of the following activities: physico-chemical treatment;
- 11.6 Temporary storage of hazardous waste, (other than waste referred to in paragraph 11.5) pending any of the activities referred to in paragraph 11.2, 11.3, 11.5 or 11.7 with a total capacity exceeding 50 tonnes, other than temporary storage, pending collection, on the site where the waste is generated.

Notwithstanding the foregoing, any limitations on waste recovery and disposal activities specified in this Part in accordance with the Third Schedule and Fourth Schedule of the Waste Management Act 1996 as amended including, where applicable, any refused waste disposal and recovery activities from the Third Schedule and Fourth Schedule of the Waste Management Act as amended shall continue to apply.

New Conditions

Amend the licence to insert the following additional conditions at the end of Condition 2 of the licence:

- 2A The licensee shall notify the Agency, in a format as may be specified by the Agency, without delay after:
 - (i) an incident or accident that significantly affects the environment, and/or
 - (ii) the occurrence of any breach of one or more of the conditions attached to this licence.



- 2B The licensee shall, where an incident or accident that significantly affects the environment occurs, without delay take measures to limit the environmental consequences of the incident or accident and to prevent further possible incident or accident.
- 2C The licensee shall, where a breach of one or more of the conditions of this licence occurs, without delay take measures to restore compliance with the conditions of this licence within the shortest possible time.
- 2D The licensee shall ensure that waste generated in the carrying on of the activity shall be prepared for re-use, recycling or recovery or, where that is not technically or economically possible, disposed of in a manner which will prevent or minimise any impact on the environment.

Reason:	<i>To bring the licence into conformity with the requirements of the Industrial Emissions Directive.</i>
----------------	--

This amendment shall be cited as a Section 76A(11) Amendment and should be read in conjunction with Licence Reg. No. W0192-03, granted on 22/07/2010 and any other amendments made to the licence.

Sealed by the seal of the Agency on this the 7th day of January, 2014

PRESENT when the seal of the Agency was affixed hereto:



Mary Turner, Authorised Person

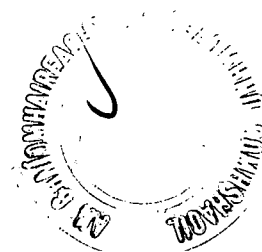


TABLE E.2.2 HAZARDOUS WASTE TYPES AND QUANTITIES

HAZARDOUS WASTE	DETAILED DESCRIPTION	Tonnes Per Annum
Waste Oil	Industrial sources	10,000
Oil filters	Industrial sources	1,000
Asbestos	Industrial sources	1,000
Oil/Sand Mixtures or Mixtures of Oil and Other Material	Industrial sources	10,000
Wood Preservation Waste	Industrial sources	100
Wastes from petroleum refining, natural gas purification and pyrolytic treatment of coal	Industrial sources	300
Wastes from Inorganic Chemical Processes	Industrial sources	9,000
Wastes from Organic Chemical Processes	Industrial sources	600
Agrochemical Wastes	Industrial sources	100
Infectious Healthcare Waste		
Photographic Processing Waste	Industrial sources	1,000
Paint, inks, adhesives and resins	Industrial sources	1,000
Batteries and accumulators	Industrial sources	600
Florescent tubes and other mercury containing waste	Industrial sources	300
OTHER HAZARDOUS WASTE (APPLICANT TO SPECIFY)		
Contaminated Soil etc.	Industrial sources	1,000
Oil sludges/interceptor waste	Industrial sources	10,000
Waste electrical & electronic equipment	White goods/IT equipment etc.	3,000
Small arisings	Industrial sources	1,000
Packaging Waste	Steel/Plastic	7,500

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

TECHNICAL AMENDMENT A
TO
WASTE LICENCE

Licence Register Number:	W0192-03
Licensee:	Rilta Environmental Limited
Location of Facility:	Block 402, Grant's Drive, Greenogue Business Park, Rathcoole, Co. Dublin.



Reasons for the Decision

The Environmental Protection Agency is satisfied, on the basis of the information available, that subject to compliance with the conditions of licence Reg. No. W0192-03 granted on the 22nd July 2010, as well as any amendments noted herein, any emissions from the activity will comply with and not contravene any of the requirements of Section 40(4) of the Waste Management Acts 1996 to 2010.

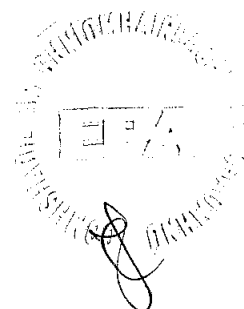
Technical Amendment

In pursuance of the powers conferred on it by Section 42B(1)(c) of the Waste Management Acts 1996 to 2010, the Agency amends Licence Reg. No. W0192-03, granted to Rilta Environmental Limited, Block 402, Grant's Drive, Greenogue Business Park, Rathcoole, County Dublin.

Henceforth, the licence shall be read in conjunction with the amendments set out below.

This technical amendment is limited to the following Schedule of Licence Reg. No. W0192-03:

Schedule A.2, Table A.2.



Amendments

Schedules to Licence

SCHEDULE A: Limitations

A.2 Waste Acceptance

Table A.2 Waste Categories and Quantities

Amend Note 3 as follows:

Note 3: The limitation on individual hazardous and non-hazardous waste types may be varied with the agreement of the Agency subject to the **total annual waste quantity remaining the same.**

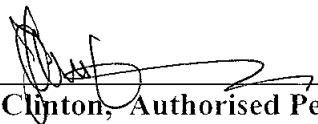


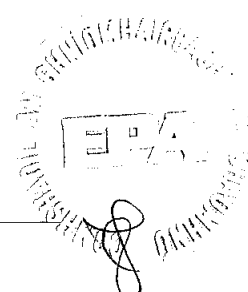
Action: Delete existing Note 3 and replace with Note 3 above.

This technical amendment shall be cited as Amendment A (in pursuance of Section 42B(1) of the Waste Management Acts 1996 to 2010) to Waste Licence Register No. W0192-03.

Sealed by the Seal of the Agency on this the 8th day of February, 2011

PRESENT when the seal of the Agency was affixed hereto


Frank Clinton, Authorised Person



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

TECHNICAL AMENDMENT B
TO
WASTE LICENCE

Licence Register Number:	W0192-03
Licensee:	Rilta Environmental Limited
Location of Facility:	Block 402, Grant's Drive, Greenogue Business Park, Rathcoole, County Dublin.

Reasons for the Decision

The Environmental Protection Agency is satisfied, on the basis of the information available, that subject to compliance with the conditions of licence Reg. No. W0192-03 granted on 22/7/2010, and amended on 8/2/2011, as well as any amendments noted herein, any emissions from the activity will comply with and not contravene any of the requirements of Section 40(4) of the Waste Management Acts 1996 to 2011.

Technical Amendment

In pursuance of the powers conferred on it by Section 42B(1)(c) of the Waste Management Acts 1996 to 2011, the Agency amends Licence Reg. No. W0192-03, granted to Rilta Environmental Limited, Block 402, Grant's Drive, Greenogue Business Park, Rathcoole, County Dublin.

Henceforth, the licence shall be read in conjunction with Amendment A issued on 8/2/2011 and the amendments set out below.

This technical amendment is limited to the following condition and schedules:

- Condition 8.10
- Schedule B
- Schedule C

C

Amendments

Conditions of Licence

- 8.10.2** Reprocessed oil meeting the criteria set out in column 2 (*Limit for reprocessed oil*) of *Schedule B.7: Reprocessed Oil Quality Standards-Limitations* shall be dispatched only for use as a fuel in hot-mix asphalt plants. Reprocessed oil meeting these criteria shall not be used as a fuel in any other applications without the prior written agreement of the Agency.
- 8.10.3** (i) Reprocessed oil meeting the criteria set out in column 3 (*Limit for a 'residual oil equivalent'*) of *Schedule B.7: Reprocessed Oil Quality Standards-Limitations* shall be dispatched only for use as a fuel in steam raising boilers. This material shall not be used in direct contact heating/drying applications where the combustion residues become part of any product being produced.
- (ii) The licensee shall put in place formal supply agreements with the operators of facilities that use this material. The supply agreements shall contain buy-back clauses in the event that customers do not or cannot use this material as fuel. A register of customers shall be maintained for inspection by the Agency. The licensee shall, if so instructed by the Agency on environmental or other grounds, restrict or discontinue the supply of this material to any existing or prospective customers.
- 8.10.4** The reprocessed oil referred to in Conditions 8.10.2 and 8.10.3 shall only be produced using as inputs the waste types listed in *Schedule A.3 Wastes acceptable for the production of processed fuel oil in the Waste Oil Treatment System* of this licence.
- 8.10.5** Waste oil or processed oil which does not meet the criteria set out in *Schedule B.7: Reprocessed Oil Quality Standards-Limitations* shall be disposed of or recovered at appropriately authorised facilities in accordance with appropriate national and European legislation and protocols.

Delete conditions 8.10.2 and 8.10.3 of the existing licence and replace with the above Conditions 8.10.2 to 8.10.5.

Schedules to Licence

SCHEDULE B: Emission Limits

B.7 Reprocessed Oil Quality Standard – Limitations

Parameter	Limit for reprocessed oil with use restricted according to condition 8.10.2 of this licence (mg/kg, unless otherwise specified)	Limit for a 'residual oil equivalent' with use restricted according to condition 8.10.3 of this licence (mg/kg, unless otherwise specified)
Cadmium	10	5
Nickel	20	5
Chromium	20	5
Vanadium	100	5
Lead	150	25
Ash content	1.5% m/m	-
PCB's	5	5
Sulphated ash content	-	0.2% (m/m)
Total halogens, as chlorine	2000	150
Mercury	5	5
Copper	60	40
Zinc	-	300
Arsenic	5	5
Thallium	-	5
Antimony	-	5
Cobalt	-	5
Manganese	-	5
Flash point ^{Note 1}	66.0°C (min)	-
Water content ^{Note 1}	1.0% v/v (max)	-
Carbon Residue ^{Note 1}	20% m/m (max)	-
Total sediment ^{Note 1}	0.15% m/m (max)	-
Strong Acid No. ^{Note 1}	0	-
Sulphur content ^{Note 1}	1.0% m/m (max)	-
Other ^{Note 2}		

Note 1: As specified in BS2869:2006 for Class G oils excluding viscosity.

Note 2: Other parameters as may be specified by the Agency.

To be inserted after Schedule B.6 of the existing licence.

✓

SCHEDULE C: Control & Monitoring**C.8 Processed Waste Oil Monitoring^{Note 1}**

Parameter	For reprocessed oil with use restricted according to condition 8.10.2 of this licence		For a ‘residual oil equivalent’ with use restricted according to condition 8.10.3 of this licence	
	Analysis method <small>Note 2</small>	Monitoring Frequency ^{<small>Note 3</small>}	Analysis method <small>Note 2</small>	Monitoring Frequency ^{<small>Note 3</small>}
Total halogens, as chlorine	IP503	Per 50 tonnes produced	IP503	Per batch release
PCB’s	IP462		IP462	
Mercury	Note 4		IP PM DZ	
Lead			IP PM EB	
Nickel			Atomic Absorption	
Chromium			Atomic Absorption	
Copper			Atomic Absorption	
Arsenic			To be agreed	
Cadmium			Atomic Absorption	
Vanadium			Atomic Absorption	
Zinc			To be agreed	
Thallium			To be agreed	
Antimony	To be agreed			
Cobalt	To be agreed			
Manganese	To be agreed			
Sulphated ash content	IP 550			
Ash content	IP550			
Flash Point ^{<small>Note 5</small>}	IP523			
Water content ^{<small>Note 5</small>}	IP74			
Carbon Residue ^{<small>Note 5</small>}	IP398			
Total Sediment ^{<small>Note 5</small>}	IP375			
Strong Acid No. ^{<small>Note 5</small>}	IP139			
Sulphur content ^{<small>Note 5</small>}	IP336			

Note 1: The Agency may amend the parameters, limits, methods and frequency following the adoption of an Irish or European standard or specification for reprocessed fuel oil as a Technical Regulation under Directive 98/34/EC as amended.

Note 2: Or an alternative method to the satisfaction of the Agency.

Note 3: Any alteration to the monitoring frequency specified subject to the prior written agreement of the Agency.

Note 4: Standardised and validated method to be agreed with the Agency.

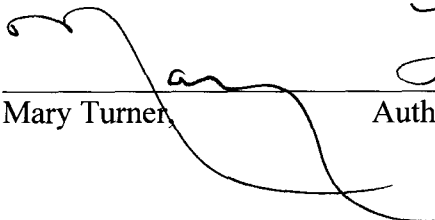

Note 5: As specified in BS2869:2006 for Class G oils excluding viscosity.

Delete Schedule C.8 of the existing licence and replace with the above Schedule C.8.

This technical amendment shall be cited as Amendment B (in pursuance of Section 42B(1) of the Waste Management Acts 1996 to 2011) to Waste Licence Register No. W0192-03.

Sealed by the seal of the Agency on this the 19th day of June 2012

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

	
_____ Mary Turner	_____ Authorised Person

2

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

WASTE MANAGEMENT ACTS, 1996 to 2008

TRANSFER OF A WASTE LICENCE

Decision of the Agency, under Section 47(5) of the Waste Management Acts, 1996 to 2008

Waste Licence Register No: **W0185-01**

The Agency, in exercise of the powers conferred on it by the Waste Management Acts, 1996 to 2008, for the reasons hereinafter set out, hereby transfers waste licence register number W0185-01 from Cedar Resource Management Limited, Parkview House, Beech Hill, Clonskeagh, Dublin 4, to Rilta Environmental Limited, 402 Greenogue Business Park, Rathcoole, County Dublin, Waste Licence Register No W0185-01 licenses the carrying on of the waste activities set out below at Site No. 14A1, Greenogue Business Park, Rathcoole, County Dublin subject to twelve Conditions, as set out in the waste licence.

Licensed Waste Disposal Activities in accordance with the Third Schedule to the Waste Management Acts, 1996 to 2008

Class 7.	Physico-chemical treatment not referred to elsewhere in this Schedule (including evaporation, drying and calcination) which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1. to 10. of this Schedule: This activity relates to the shredding of waste materials, including, household hazardous waste containers and metals, plastics, card and paper. Physico-chemical treatment may be carried out on effluents to meet discharge criteria.
Class 11.	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule. This activity relates to bulking-up of waste on-site prior to shipment of waste for disposal off-site.
Class 12.	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule. This activity relates to the baling and repackaging of various waste types prior to disposal off-site.
Class 13.	Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced. This activity relates to the storage of hazardous and non-hazardous waste at the facility prior to disposal off-site.



Licensed Waste Disposal Activities in accordance with the Fourth Schedule to the Waste Management Acts, 1996 to 2008

Class 2.	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes): This activity relates to the recycling of various organic substances including, wood, paper/cardboard, textile materials and vegetable oils.
Class 3.	Recycling or reclamation of metals and metal compounds: This activity relates to the dismantling, shredding, baling and recycling of various metal wastes.
Class 4.	Recycling or reclamation of other inorganic materials: This activity is limited to the reclamation of refrigerator gasses.
Class 11.	Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule: This activity is to make provision for the acceptance on-site for transfer to an appropriate facility of waste that has been obtained from any activity referred to previously in the Schedule.
Class 12.	Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule: This activity refers to the exchange of certain waste types and their packaging for further processing off-site
Class 13.	Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced: This activity is limited to the storage of waste at the facility prior to off-site recovery.

In accordance with Section 47(6) of the Acts, Rilta Environmental Limited is deemed to have assumed and accepted all liabilities, requirements and obligations provided for in or arising under the licence, regardless of how and in respect of what period, including a period prior to the transfer of the licence, they may arise.

REASONS FOR THE DECISION

Pursuant to Section 47(5)(a) of the Acts, the Agency is satisfied, on the basis of the information available, that Rilta Environmental Limited is entitled to be regarded as a fit and proper person to be granted a like waste licence. Pursuant to Section 47(5)(b) of the Acts, the Agency is satisfied, on the basis of the information available, that Rilta Environmental Limited has made adequate financial provision to discharge the financial commitments or liabilities that will be entered into or incurred in carrying on each of the activities to which the licence relates, or in consequence of ceasing to carry on any of those activities. In reaching this decision the Agency has considered the application and supporting documentation received from the joint applicants and the report of its inspector.

Sealed by the seal of the Agency on this the 9th day of February 2010.

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


Laura Burke, Director



LICENCE REG. NO. W0185-01 HAS BEEN TRANSFERRED
Please note that licence Reg. No. W0185-01 was Transferred to Rilta Environmental Limited, for further information on this please refer to Transfer Notification on the Agency's website.

This licence was amended on 7 January 2014 under Section S76A(11) of the Waste Management Act 1996 as amended. The details of the Amendment must be read in conjunction with this licence. The amendment document is entitled "IED Amendment".



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

WASTE LICENCE

HAZARDOUS TRANSFER STATION

Waste Licence Register Number:	185-1
Licensee:	Cara Waste Management Limited
Location of Facility:	Site No. 14A1, Greenogue Business Park, Rathcoole, County Dublin.

INTRODUCTION

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

This waste licence is for the operation of a hazardous waste transfer station at a facility of Cara Waste Management Limited. The transfer station is designed to be capable of handling 60,000 tonnes of waste per annum of which 33,000 tonnes will be hazardous waste while the remaining 27,000 tonnes will be non-hazardous.

The principal elements of the development are listed as follows:

- *Main warehouse building to be used for the handling and bulking of waste prior to onward transport to relevant recycling/recovery/disposal facilities.*
- *Site infrastructure including a weighbridge, transfer building, office building, access road and car parking facilities.*
- *Hazardous waste storage facilities.*
- *3 tanker parking bays.*

The activities at this facility will entail acceptance, sorting and repackaging/bulking-up of waste including household hazardous waste, dismantling of waste electrical and electronic equipment (WEEE), provision of tanker overnight parking facility and onward shipment to recycling/recovery and disposal facilities.

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

The licence sets out in detail the conditions under which Cara Waste Management Limited will operate and manage this facility.

Table of Contents

	Page No.
DECISION AND REASONS FOR THE DECISION	1
INTERPRETATION	1
<i>PART I ACTIVITIES LICENSED</i>	5
<i>PART II CONDITIONS</i>	7
CONDITION 1 SCOPE OF THE LICENCE	7
CONDITION 2 MANAGEMENT OF THE FACILITY	7
CONDITION 3 FACILITY INFRASTRUCTURE	9
CONDITION 4 RESTORATION AND AFTERCARE	12
CONDITION 5 FACILITY OPERATIONS	13
CONDITION 6 EMISSIONS	19
CONDITION 7 NUISANCE CONTROL	20
CONDITION 8 MONITORING	21
CONDITION 9 CONTINGENCY ARRANGEMENTS	22
CONDITION 10 RECORDS	23
CONDITION 11 REPORTS AND NOTIFICATIONS	25
CONDITION 12 CHARGES AND FINANCIAL PROVISIONS	26
SCHEDULE A : Waste Acceptance	29
SCHEDULE B : Specified Engineering Works	29
SCHEDULE C : Emission Limits	30
SCHEDULE D : Monitoring	31
SCHEDULE E : Recording and Reporting to the Agency	34
SCHEDULE F : Content of the Annual Environmental Report	35

DECISION & REASONS FOR THE DECISION

Reasons for the Decision

On the basis of the information before it, the Environmental Protection Agency is satisfied that the waste activity, or activities, licensed hereunder in Part I will comply with the requirements of Section 40(4) of the Waste Management Act, 1996.

In reaching this decision the Environmental Protection Agency has considered the application and supporting documentation received from the applicant and the report of its inspector. No objection having been received to the Proposed Decision, the licence is granted in accordance with the terms of the Proposed Decision and the reasons therefor.

INTERPRETATION

All terms in this licence should be interpreted in accordance with the definitions in the Waste Management Act, 1996, (the Act), unless otherwise defined in this section.

Aerosol	A suspension of solid or liquid particles in a gaseous medium.
Adequate lighting	20 lux measured at ground level.
Agreement	Agreement in writing.
Annually	At approximately twelve monthly intervals.
Attachment	Any reference to Attachments in this licence refers to attachments submitted as part of the waste licence application.
Application	The application by the licensee for this waste licence.
Appropriate facility	A waste management facility, duly authorised under relevant law and technically suitable.
BAT	Best Available Techniques as defined by Section 7 of The Protection of the Environment Act, 2003, amending Section 5 of the EPA Act, 1992.
Bi-annually	All or part of a period of six consecutive months.
Biodegradable Waste	Any waste that is capable of undergoing anaerobic or aerobic decomposition, such as food, garden waste, sewage sludge, paper and paperboard.
CEN	Comité Européen De Normalisation – European Committee for Standardisation
Condition	A condition of this licence.
Consignment Note	All movements of hazardous waste within Ireland must be accompanied by a “C1” consignment note issued by a local authority under the Waste Management (Movement of Hazardous Waste) Regulations (SI No. 147 of 1998). 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 (Transfrontier Shipment of Waste) Regulations (SI No. 149 of 1998).

Construction and Demolition Waste	All wastes which arise from construction, renovation and demolition activities.
Containment boom	A boom which can contain spillages and prevent them from entering drains or watercourses.
Daytime	8.00 a.m. to 10.00 p.m.
Documentation	Any report, record, result, data, drawing, proposal, interpretation or other document in written or electronic form which is required by this licence.
Drawing	Any reference to a drawing or drawing number means a drawing or drawing number contained in the application, unless otherwise specified in this licence.
Emergency	Those occurrences defined in Condition 9.4.
Emission Limits	Those limits, including concentration limits and deposition levels established in <i>Schedule C: Emission Limits</i> , of this licence.
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.
Foul water	Sewage and drainage from waste transfer building, wheelwash, truck wash, ramp, weighbridges vehicle cleaning, ejector trailer parking areas and run-off from hardstanding areas associated with waste processing.
Green waste	Waste wood (excluding timber), plant matter such as grass cuttings, and other vegetation.
Hours of Operation	The hours during which the facility is authorised to be operational. The hours of operation of a facility are usually longer than the hours of waste acceptance to facilitate preparatory and completion works, such as the removal and laying of daily cover. Different activities within the facility, such as the civic waste facility, may have different hours of waste acceptance.
Hours of Waste Acceptance	The hours during which the facility is authorised to accept waste. Different activities within the facility, such as the civic waste facility, may have different hours of waste acceptance.
Incident	The following shall constitute an incident for the purposes of this licence: <ul style="list-style-type: none"> a) an emergency; b) any emission which does not comply with the requirements of this licence; c) any exceedence of the daily duty capacity of the waste handling equipment; d) any trigger level specified in this licence which is attained or exceeded; and, e) any indication that environmental pollution has, or may have, taken place.
Industrial Waste	As defined in Section 5(1) of the Act.

Inert waste	Waste 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 not endanger the quality of surface water and/or groundwater.
Licence	A Waste Licence issued in accordance with the Act.
Licensee	Cara Waste Management Limited
Liquid Waste	Any waste in liquid form and containing less than 2% dry matter. Any waste tankered to the facility.
Maintain	Keep in a fit state, including such regular inspection, servicing, calibration and repair as may be necessary to adequately perform its function.
Mobile Plant	Self-propelled machinery used for the emplacement of wastes or for the construction of specified engineering works.
Monthly	A minimum of 12 times per year, at approximately monthly intervals.
Municipal waste	As defined in Section 5(1) of the Act.
Night-time	10.00 p.m. to 8.00 a.m.
Noise Sensitive Location (NSL)	Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other facility or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels.
Oil Separator	Device installed according to the draft European Standard prEN 858 (Installations for the separation of light liquids, e.g. oil and petrol).
Recyclable Materials	Those waste types, such as cardboard, batteries, gas cylinders, etc., which may be recycled.
Quarterly	At approximately three monthly intervals.
Sanitary Authority	South Dublin County Council.
Sample(s)	Unless the context of this licence indicates to the contrary, samples shall include measurements by electronic instruments.
SOP	Standard Operating Procedure.
Specified Emissions	Those emissions listed in <i>Schedule C: Emission Limits</i> of this licence.
Specified Engineering Works	Those engineering works listed in <i>Schedule B: Specified Engineering Works</i> of this licence.
SEW	Specified Engineering Works
TOC	Total Organic Carbon.
Trigger Level	A parameter value specified in the licence, the achievement or exceedance of which requires certain actions to be taken by the licensee.

Weekly	During all weeks of plant operation, and in the case of emissions, when emissions are taking place, with no more than one measurement in any one week.
White Goods	Refrigerators, cookers, ovens and other similar appliances.
EPA Working Day	Refers to the following hours: 9.00 a.m. to 5.30 p.m. Monday to Friday inclusive.

Part I Schedule of Activities Licensed

In pursuance of the powers conferred on it by the Waste Management Act, 1996, the Environmental Protection Agency (the Agency), under Section 40(1) of the said Act hereby grants this Waste Licence to Cara Waste Management Limited to carry on the waste activity/activities listed below at Site No. 14A1, Greenogue Business Park, Rathcoole, County Dublin, subject to conditions, with the reasons therefore and the associated schedules attached thereto set out in the licence.

Licensed Waste Disposal Activities, in accordance with the Third Schedule of the Waste Management Act, 1996

Class 7.	Physico-chemical treatment not referred to elsewhere in this Schedule (including evaporation, drying and calcination) which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1. to 10. of this Schedule: This activity relates to the shredding of waste materials, including, household hazardous waste containers and metals, plastics, card and paper. Physico-chemical treatment may be carried out on effluents to meet discharge criteria.
Class 11.	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule. This activity relates to bulking-up of waste on-site prior to shipment of waste for disposal off-site.
Class 12.	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule. This activity relates to the baling and repackaging of various waste types prior to disposal off-site.
Class 13.	Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced. This activity relates to the storage of hazardous and non-hazardous waste at the facility prior to disposal off-site.

Licensed Waste Recovery Activities, in accordance with the Fourth Schedule of the Waste Management Act, 1996

Class 2.	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes): This activity relates to the recycling of various organic substances including, wood, paper/cardboard, textile materials and vegetable oils.
Class 3.	Recycling or reclamation of metals and metal compounds: This activity relates to the dismantling, shredding, baling and recycling of various metal wastes.
Class 4.	Recycling or reclamation of other inorganic materials: This activity is limited to the reclamation of refrigerator gasses.

Class 11.	<p>Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule:</p> <p>This activity is to make provision for the acceptance on-site for transfer to an appropriate facility of waste that has been obtained from any activity referred to previously in the Schedule.</p>
Class 12.	<p>Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule:</p> <p>This activity refers to the exchange of certain waste types and their packaging for further processing off-site</p>
Class 13.	<p>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> <p>This activity is limited to the storage of waste at the facility prior to off-site recovery.</p>

PART II CONDITIONS

CONDITION 1 SCOPE OF THE LICENCE

- 1.1. Waste activities at the facility shall be restricted to those listed and described in *Part I: Activities Licensed* and authorised by this licence.
- 1.2. For the purposes of this licence, the facility is the area of land outlined in red on Drawing No. 569-42-102 entitled 'Site Plan' in attachment B5 of the application. Any reference in this licence to "facility" shall mean the area thus outlined in red.
- 1.3. This licence is for the purposes of waste licensing under the Waste Management Act, 1996 only and nothing in this licence shall be construed as negating the licensee's statutory obligations or requirements under any other enactments or regulations.
- 1.4. Only those waste categories and quantities listed in *Schedule A: Waste Acceptance* of this licence, shall be accepted at the facility.
 - 1.4.1 Waste shall be accepted at the facility, only from customers who are holders of a waste permit, unless exempted, under the Waste Management (Collection Permit) 2001 or from other licensed/permitted facilities.
- 1.5. Waste Acceptance Hours and Hours of Operation.
 - 1.5.1. Unless otherwise agreed by the Agency, waste shall not be accepted at the facility on Sundays or on Bank Holidays.
- 1.6. Every plan, programme or proposal submitted to the Agency for its agreement pursuant to any Condition of this licence shall include a proposed timescale for its implementation. The Agency may modify or alter any such plan, programme or proposal in so far as it considers such modification or alteration to be necessary and shall notify the licensee in writing of any such modification or alteration. Every such plan, programme or proposal shall be carried out within the timescale fixed by the Agency but shall not be undertaken without the agreement of the Agency. Every such plan, programme or proposal agreed by the Agency shall be covered by the conditions of this licence.

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

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

2.2 Management Structure

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

- a) the names of all persons who are to provide the management and supervision of the waste activities authorised by the licence, in particular the name of the facility manager and any nominated deputies;
- b) details of the responsibilities for each individual named under a) above; and
- c) details of the relevant education, training and experience held by each of the persons nominated under a) above.

2.3 Environmental Management System (EMS)

- 2.3.1 The licensee shall within three months of the date of grant of the licence establish and maintain an EMS. The EMS shall be updated on an annual basis with amendments being submitted to the Agency for its agreement.

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

2.3.2.1 Schedule of Environmental Objectives and Targets

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

2.3.2.2 Environmental Management Plan (EMP)

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

- (i) methods by which the objectives and targets will be achieved in the coming year and the designation of responsibility for targets;
- (ii) any other items required by written guidance issued by the Agency.

2.3.2.3 Corrective Action Procedures

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

2.3.2.4 Awareness and Training Programme

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

2.4 Communications Programme

- 2.4.1 The licensee shall establish and maintain a Communications Programme to ensure that members of the public can obtain information at the facility, at all reasonable times,

concerning the environmental performance of the facility. This shall be established within six months of the date of grant of this licence.

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

CONDITION 3 FACILITY INFRASTRUCTURE

- 3.1 The licensee shall establish all infrastructure referred to in this licence prior to the commencement of the licensed activities or as required by the conditions of this licence.
- 3.2 Specified Engineering Works
- 3.2.1 The licensee shall submit proposals for all Specified Engineering Works, as defined in *Schedule B: Specified Engineering Works* of this licence, to the Agency for its agreement at least two months prior to the intended date of commencement of any such works. No such works shall be carried out without the prior agreement of the Agency.
- 3.2.2 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.
- 3.3 Facility Notice Board
- 3.3.1 The licensee shall 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:-
- a) the name and telephone number of the facility;
 - b) the normal hours of opening;
 - c) the name of the licence holder;
 - d) an emergency out of hours contact telephone number;
 - e) the licence reference number; and
 - f) where environmental information relating to the facility can be obtained.
- 3.4 The licensee shall provide and maintain a plan of the facility (1200mm x 750mm) clearly identifying the location of each storage and treatment area. The plan shall be displayed as close as possible to the entrance of the facility on durable material such that it is legible at all times. The plan shall be replaced as material changes to the facility are made.
- 3.5 Facility Security
- 3.5.1 The licensee shall establish and maintain the site security arrangements as referred to in Section D.1 (a) of the application.
- 3.5.2 The licensee shall remedy any defect in the gates and/or fencing as follows:-
- a) a temporary repair shall be made by the end of the working day; and
 - b) a repair to the standard of the original gates and/or fencing shall be undertaken within three working days.

3.6 Facility Roads/Hardstanding and Traffic Layout

- 3.6.1 Effective site roads shall be provided and maintained to ensure the safe movement of vehicles within the facility.
- 3.6.2 The licensee shall provide, and maintain an impermeable hardstanding surface in the areas of the facility shown on Drawing 569-42-111 entitled *Hardstanding Areas*, submitted in the Article 14 response, the areas shall be concreted and constructed to British Standard 8110.
- 3.6.3 Traffic layout at the facility shall be such that emergency services' vehicles shall have access to all parts of the facility at all times.

3.7 Facility Office

- 3.7.1 The licensee shall provide and maintain an office at the facility. The office shall be constructed and maintained in a manner suitable for the processing and storing of documentation.
- 3.7.2 The licensee shall provide and maintain a working telephone and a method for electronic transfer of information at the facility.

3.8 Waste Inspection and Quarantine Areas

- 3.8.1 A Waste Inspection Area and a Waste Quarantine Area shall be provided and maintained at the facility.
- 3.8.2 These areas shall be constructed and maintained in a manner suitable, and be of a size appropriate, for the inspection of waste and subsequent quarantine if required. The waste inspection area and the waste quarantine area shall be clearly identified and segregated from each other.
- 3.8.3 Drainage from these areas shall be collected and managed in accordance with their contents.

3.9 Weighbridge and Wheel Cleaning

- 3.9.1 The licensee shall provide and maintain a weighbridge and a wheel cleaner at the facility.
- 3.9.2 The wheel cleaner shall be used by all vehicles leaving the facility as required to ensure that no process water or waste is carried off-site. All water from the wheel cleaning area shall be directed to the wastewater interceptor.

3.10 Waste handling, ventilation and processing plant

- 3.10.1 Items of plant deemed critical to the efficient and adequate processing of waste at the facility (including *inter alia* waste loading vehicles and ejector trailers) shall be provided on the following basis:-
 - a) 100% duty capacity;
 - b) 25% standby capacity available on a routine basis; and
 - c) Provision of contingency arrangements and/or back up and spares in the case of breakdown of critical equipment.
- 3.10.2 Prior to the commencement of waste activities the licensee shall provide a report for the agreement of the Agency detailing the duty and standby capacity in tonnes per day, of all waste handling and processing equipment to be used at the facility. These capacities shall be based on the licensed waste intake, as per *Schedule A: Waste Acceptance*, of this licence.

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

3.11. Tank and Drum Storage Areas

- 3.11.1. Construction of the bunded areas shall be in accordance with any guidance issued by the Agency.
- 3.11.2. All hazardous waste storage areas shall be rendered impervious to the materials stored therein.
- 3.11.3. All tank and drum storage areas shall be rendered impervious to the materials stored therein.
- 3.11.4. All tank and drum storage areas shall, as a minimum, be bunded, either locally or remotely, to a volume not less than the greater of the following:-
- a) 110% of the capacity of the largest tank or drum within the bunded area; or
 - b) 25% of the total volume of substance which could be stored within the bunded area.
- 3.11.5. All drainage from bunded areas shall be diverted for collection and safe disposal.
- 3.11.6. All inlets, outlets, vent pipes, valves and gauges must be within the bunded area.
- 3.11.7. Each bunded area shall be clearly labelled so that it is legible to persons outside the bunded area and shall clearly indicate the material class type that can be stored in that area and the maximum quantity of material that can be stored therein. The arrangements shall ensure that no mixing of incompatible substances, as a result of spillages or otherwise, shall take place.
- 3.11.8. All spillages and liquids recovered from bunded areas shall be treated as hazardous waste unless they are known to be otherwise. All drainage from bunded areas shall be diverted for collection and appropriate recovery or disposal.
- 3.11.9. The integrity and water tightness of all the bunds and their resistance to penetration by water or other materials stored therein shall be confirmed by the licensee and shall be reported to the Agency following its installation and prior to its use as a storage area. This confirmation shall be repeated at least once every three years thereafter and reported to the Agency as part of the AER.
- 3.11.10. All bunds and hardstanding areas shall be visually checked weekly for structural soundness and cracking/damage.

3.12. Silt Traps and Oil Separators/Interceptors

- 3.12.1. The licensee shall install and maintain silt traps and oil interceptors at the facility to ensure that all yard surface water discharges from the facility pass through a silt trap and oil interceptor prior to discharge. The interceptors shall be a Class I full retention interceptor and the silt traps and interceptors shall be in accordance with European Standard prEN 858 (installations for the separation of light liquids).

3.13. Drainage system, pipeline testing

- 3.13.1. Prior to the commencement of waste activities 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.

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

3.13.3. The integrity and water tightness of all underground pipes and tanks and their resistance to penetration by water or other materials carried or stored therein shall be tested and demonstrated by the licensee and shall be reported to the Agency following their installation and prior to their use. This testing shall be carried out by the licensee at least once every three years thereafter and reported to the Agency on each occasion. A written record of all integrity tests and any maintenance or remedial work arising from them shall be maintained by the licensee.

3.14 Waste Water Collection System/Surface Water Management

3.14.1 Wastewater shall drain to a 5m³ self-contained monitoring tank prior to discharge. Wastewater shall only be discharged to the South Dublin County Council sewer (via the Greenogue Industrial Estate Sewer) as per Drawing No. 569-42-106 following confirmation that the discharge meets the requirements of *Schedule C.3: Emission Limits for Foul Water Emissions to Sewer*. Wastewater shall be discharged on a batch basis.

3.14.2 Run-off from all areas not used for the handling and storage of waste shall be discharged to the stormwater sewer via a Class 1 oil interceptor as per Drawing No. 569-42-106.

3.15 Monitoring Infrastructure

3.15.1 Groundwater

Within six months from the date of grant of this licence, the licensee shall install representative groundwater monitoring points, at locations to be agreed by the Agency, to allow for the sampling and analyses of groundwater.

3.15.2 Replacement of Infrastructure

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

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

CONDITION 4 RESTORATION AND AFTERCARE

4.1. A proposal for a Decommissioning and Aftercare Plan for the facility shall be submitted to the Agency within twelve months of the date of grant of this licence. Such a plan shall be in agreement with the requirement to provide financial provision as per Condition 12.2 of this licence. The licensee shall update these plans when required by the Agency.

REASON: *To provide for the restoration of the facility.*

CONDITION 5 FACILITY OPERATIONS

- 5.1 Hazardous wastes that are accepted at the facility as per *Schedule A: Waste Acceptance* and fuels shall only be stored at appropriately banded locations on the facility.
- 5.2 All waste processing shall be carried out inside the waste transfer building.
- 5.3 Waste Acceptance and Characterisation Procedures
- 5.3.1 Prior to commencement of waste acceptance at the facility, the licensee establish and maintain detailed written procedures for the acceptance, handling and sampling of all incoming wastes to include analysis, weighing, documentation, transfer, storage and record keeping.
- 5.3.2 No hazardous waste may be accepted at the facility unless:
- a) The licensee has been notified in advance of the types of waste (including EWC Codes) and the date of delivery;
 - b) The waste is appropriately labelled using the relevant EWC Codes;
 - c) 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;
 - d) The waste has been classified in accordance with the UN publication *'Recommendations on the Transport of Hazardous Goods: Model Regulations', thirteenth revised edition, United Nations, 2003* and fully characterised and, where necessary and particularly in the case of new customers or waste types, its characteristics and hazardous properties confirmed by the licensee by sampling and analysis in advance and upon arrival at the facility;
 - e) A suitable designated storage area is immediately available at the facility; and
 - f) A designated waste quarantine area is immediately available at the facility for any waste which does not conform with the pre-notification and which cannot be otherwise accepted at the facility.
- 5.3.3 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 Waste Transfer Building. Each load of waste arriving at the Waste Transfer Building shall be inspected upon tipping within this building. Only after such inspections shall the waste be processed for disposal or recovery.
- 5.3.4 A record of all inspections of incoming waste loads shall be maintained.
- 5.3.5 Waste shall be accepted at the facility only from known customers or new customers subject to initial waste profiling and waste characterisation off-site. The written records of this off-site waste profiling and characterisation shall be retained by the licensee for all active customers and for a two year period following termination of licensee/customer agreements. There shall be no casual public access to the facility.
- 5.3.6 Prior to the acceptance of any waste at the facility, the licensee shall submit a site-specific tracking system to cater for all materials being accepted at the facility to the Agency for its agreement. Any modifications to the tracking system shall be notified to the Agency.

5.4 Storage of Waste

- 5.4.1 Waste accepted at the facility shall only be stored in the designated storage areas.
- 5.4.2 Unless otherwise agreed by the Agency waste shall be stored inside the warehouse building.
- 5.4.3 Any waste deemed unsuitable for processing at the facility and/or in contravention of this licence shall be immediately separated and removed from the facility at the earliest possible time. Temporary storage of such wastes shall be in a designated Waste Quarantine Area. Waste shall be stored under appropriate conditions in the quarantine area to avoid putrefaction, odour generation, the attraction of vermin and any other nuisance or objectionable condition.
- 5.4.4 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.

5.5 Labelling of containers, drums and tanks.

- 5.5.1 No container (including drums and tanks) shall be accepted at the facility whose contents are unknown and whose contents are not clearly displayed on a label.
- 5.5.2 All containers, including waste and fuel storage drums and tanks, shall be labelled to clearly indicate their contents. During storage, each container shall be accessible and allow for the reading of the label.
- 5.5.3 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 but shall remain legible.

5.6 Operational Controls

- 5.6.1 The floor of the waste transfer building shall be washed down and cleared of all waste at the end of the working day. The floor of the storage bays for recovered wastes shall be washed down and cleaned on each occasion such bays are emptied.
- 5.6.2 Scavenging shall not be permitted at the facility.
- 5.6.3 Gates shall be locked shut when the facility is unsupervised.
- 5.6.4 The licensee shall provide and use adequate lighting during the operation of the facility in hours of darkness.
- 5.6.5 No smoking shall be allowed on the facility.

5.7 Asbestos Waste

- 5.7.1 The transfer station shall be used for the temporary storage of asbestos waste prior to its removal for final disposal.
- 5.7.2 The licensee shall ensure that during transport, handling and storage of waste containing asbestos fibres or dust that no such fibres or dust is emitted or released to any environmental medium.
- 5.7.3 Asbestos waste shall only be accepted at the facility in sealed containers, owned and controlled by the licensee, that have been previously delivered to the customer, unless otherwise agreed by the Agency.

- 5.7.4 Before acceptance of asbestos waste in the containers referred to in Condition 5.7.3, all fibrous asbestos waste and dust shall have been enclosed in sealed plastic bags, double wrapped, of a minimum thickness of 1,000 gauge, or other sealed containers as approved in advance by the Health and Safety Authority (H.S.A).
- 5.7.5 No unwrapped asbestos waste shall be accepted or stored at the facility. Care shall be taken in handling the waste that no damage is caused to any plastic bags or wrapping as may permit the escape of fibres and dust. Any damage shall be recorded as an incident. In addition, no unwrapping of asbestos waste shall be carried out.
- 5.7.6 Asbestos waste shall be placed in lockable transport containers immediately on arrival at the facility, or into dedicated buildings/structures for temporary storage. Containers and any dedicated buildings shall remain locked at all times when asbestos waste is not being placed in them. No asbestos waste shall be deposited or allowed to accumulate outside the containers or buildings being used for waste storage. Containers used to store asbestos waste shall not be used for any other purpose.
- 5.7.7 All containers used to store or transport asbestos waste before onward transport shall be of a design suitable for washing and cleansing without lodgement or escape of debris or fibres. The design should also ensure maximum protection from accidental or deliberate damage.
- 5.7.8 Appropriate warning labels shall be displayed on containers so that persons using the facility are aware of its hazards. All full containers shall be sealed and clearly labelled and shall only be stored in an agreed location.
- 5.7.9 At least one month prior to the commencement of the acceptance of asbestos waste at the facility the licensee shall undertake asbestos fibre monitoring at two locations to be agreed by the Agency. Thereafter, the licensee shall undertake asbestos fibre monitoring on a quarterly basis as specified in *Schedule D: Monitoring*, of this licence.
- 5.7.10 Copies of the results of any asbestos fibre monitoring carried out for health and safety reasons shall be submitted to the Agency within 10 days of such results becoming available to the licensee.
- 5.7.11 Detailed operational procedures on the handling, storage and monitoring of asbestos waste shall be submitted to the Agency at least two months prior to the commencement of acceptance of asbestos waste at the facility.
- 5.8 Waste Retention Time
- Unless otherwise agreed by the Agency:
- 5.8.1 No waste shall have a retention time in the waste transfer station in excess of six months.
- 5.8.2 Asbestos waste shall be removed as soon as operationally possible and, in any case, at no later date than three monthly intervals.
- 5.9 Waste and Chemical Storage Plan
- 5.9.1 Within two months from the date of grant of the licence, a waste and chemical storage plan shall be established and maintained. The plan may be paper based or electronic.
- 5.9.2 The waste storage plan shall illustrate the location, identification code, volume and content of all waste containers held at the facility. The chemical storage plan shall illustrate the location, volume and content of all chemical containers whose volume exceeds 25 litres held at the facility.
- 5.9.3 The waste and chemical storage plan 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.

5.10 Compatibility of Wastes

- 5.10.1 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 5.3.2 (b) shall consider any compatibility testing that may be required, including, as far as is possible, the identification of any potentially abnormal or unusual situations.
- 5.10.2 A detailed procedure for the carrying out of compatibility tests shall be submitted for agreement by the Agency prior to the commencement of any bulking-up activities.
- 5.10.3 Records shall be maintained of all compatibility tests carried out.

5.11 Waste Electrical and Electronic Equipment (WEEE)

- 5.11.1 No dismantling of WEEE shall commence without prior approval from the Agency. A proposal including details of SEW, process capacity and throughputs, information on emissions or potential emissions, abatement measures, contingency and storage arrangements shall be submitted for agreement by the Agency.
- 5.11.2 Detailed procedures shall be submitted to the Agency for its agreement prior to the commencement of this activity.

5.12 Waste Repackaging

- 5.12.1 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 activity shall only be carried out in bunded areas such that any spillage arising from the activity may be contained and collected.
- 5.12.2 All operations involving the transfer of contents referred to in Condition 5.12.1 shall take place indoors protected against spillage. Appropriate control measures shall be put in place to minimise any emissions which may arise from such activity.

5.13 Refrigerator Processing

- 5.13.1 No refrigerator processing shall be carried out on-site without prior approval from the Agency.
- 5.13.2 At least two months prior to the commencement of commissioning of the refrigerator processing plant, SEW and an operational proposal must be submitted to the Agency for its approval, details of the following must be incorporated into the proposal:
 - a) Precise process details;
 - b) Air emissions;
 - c) Noise emissions;
 - d) Controls methods used to prevent any potential emissions;
 - e) Precise details of end products of process;
 - f) Process flow diagram; and
 - g) A proposed monitoring programme.
- 5.13.3 A noise prediction model shall be submitted to the Agency as part of the proposal to install and operate the refrigerator processing plant.

- 5.13.4 An air emissions model shall be submitted to the Agency as part of the proposal to install and operate the refrigerator processing plant.
- 5.13.5 The operation of the refrigerator processing plant shall be in accordance with the standards stipulated in '*Guidance on the Recovery and Disposal of Controlled Substances in Refrigerators and Freezers*': Environment Agency; Scottish Environment Protection Agency (2002), or any other standard as instructed by the Agency.
- 5.13.6 Monitoring locations, frequency of monitoring, emission limit values, methods of analysis and monitoring parameters shall be agreed in advance by the Agency prior to the operation of the plant.
- 5.14 Repackaging/Bulking-up Compartment
- 5.14.1 The repackaging/bulking-up compartment shall not operate without prior approval from the Agency.
- 5.14.2 Details of the repackaging/bulking-up compartment for liquids must be agreed in advance by the Agency by way of SEW. The proposal must include the following as a minimum:
- a) Bunding arrangements;
 - b) Drainage arrangements;
 - c) Air emissions;
 - d) Noise emissions;
 - e) Process control equipment;
 - f) Back-up, maintenance and calibration requirements;
 - g) Abatement equipment;
 - h) Periods of emission;
 - i) Volumes to be emitted; and
 - j) Stack characteristics including vent diameter and height above ground level.
- 5.14.3 A noise prediction model shall be submitted to the Agency as part of the proposal to install and operate the repackaging/bulking-up compartment.
- 5.14.4 An air emissions model shall be submitted to the Agency as part of the proposal to install and operate the repackaging/bulking-up compartment.
- 5.14.5 All activities conducted in the bulking-up compartment will be conducted under negative air pressure with dust filtration as a minimum.
- 5.14.6 The repackaging/bulking-up compartment will be designed in accordance with the principles outlined in the Safe Use & Handling of Flammable Liquids (HSE publication) or any other such publication/standard as instructed by the Agency.
- 5.14.7 Monitoring locations, frequency of monitoring, emission limit values, methods of analysis and monitoring parameters shall be agreed in advance by the Agency prior to the operation of the plant.

5.15 Healthcare Waste

- 5.15.1 Healthcare waste from hospitals or similar institutions shall not be accepted at the facility.
- 5.15.2 Unless otherwise agreed by the Agency, healthcare risk waste shall be removed off-site within 48 hours of its arrival on-site.
- 5.15.3 Infectious health care waste acceptable at the facility shall be restricted to wastes arising from health and welfare services provided to staff at their place of work.
- 5.15.4 Waste types accepted shall be restricted to those detailed in SOPG 025 *Acceptance of Infectious Healthcare Waste*, (Article 14 response), and agreed in advance by the Agency.
- 5.15.5 Detailed waste acceptance and handling procedures, agreed by the Agency, shall be in place prior to acceptance of waste on-site.
- 5.15.6 Procedures for the spillage of infectious healthcare waste shall be in place prior to the acceptance of the waste type on-site, procedures must take account of Condition 5.15.4.
- 5.15.7 Subject to Condition 6.7.8, all spillages of healthcare waste shall be cleaned up so as to prevent spilled fluid draining to sewer and in any case so as not to adversely affect the environment.
- 5.15.8 A designated, separate and secure storage area shall be utilised for the storage of all healthcare waste.

5.16 Off-site Disposal and Recovery

- 5.16.1 Waste sent off-site for recovery or disposal shall be conveyed only by an authorised contractor.
- 5.16.2 All waste transferred from the facility shall be transferred only to an appropriately authorised facility.
- 5.16.3 All wastes removed off-site for recovery or disposal shall be transported from the facility to the consignee in a manner which will not adversely affect the environment.

5.17 Maintenance

- 5.17.1 All treatment/abatement and emission control equipment shall be calibrated and maintained, in accordance with the instructions issued by the manufacturer/supplier or installer. Written records of the calibrations and maintenance shall be made and kept by the licensee.
- 5.17.2 The licensee shall maintain and clearly label and name all sampling and monitoring locations.
- 5.17.3 The baler and shredder equipment shall be maintained in accordance with the manufacturers instructions.

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

CONDITION 6 EMISSIONS

- 6.1. No specified emission from the facility shall exceed the emission limit values set out in *Schedule C: Emission Limits* of this licence. There shall be no other emissions of environmental significance.
- 6.2. The licensee shall ensure that the activities shall be carried out in a manner such that emissions do not result in significant impairment of, or significant interference with the environment beyond the facility boundary.
- 6.3. Emission limits for emissions to atmosphere in this licence shall be interpreted in the following way.
- 6.3.1. Non-Continuous Monitoring
- (i) For any parameter where, due to sampling/analytical limitations, a 30 minute sample is inappropriate, a suitable sampling period should be employed and the value obtained therein shall not exceed the emission limit value.
 - (ii) For all other parameters, no 30 minute mean value shall exceed the emission limit value.
 - (iii) For flow, no hourly or daily mean value shall exceed the emission limit value.
- 6.4. There shall be no direct emissions to groundwater.
- 6.5. There shall be no clearly audible tonal component or impulsive component in the noise emissions from the activity at the noise sensitive locations.
- 6.6. Disposal of Foul Water
- 6.6.1. No foul water shall be discharged to surface water.
- 6.7. Emissions to Sewer
- 6.7.1. No specified discharge or emission to sewer shall exceed the emission limit value set out in *Schedule C: Emissions Limits for Foul Water Emissions to Sewer*. There shall be no other discharge or emission to sewer of environmental significance.
- 6.7.2. Monitoring and analysis of each discharge or emission to sewer shall be carried out as specified in *D.5: Foul Water Emissions*.
- 6.7.3. Monitoring and analytical equipment shall be operated and maintained as necessary so that monitoring accurately reflects the discharge or emission.
- 6.7.4. No substance shall be present in emissions to sewer in such concentrations as would constitute a danger to sewer maintenance personnel working in the sewerage system, or as would be damaging to the fabric of the sewer, or as would interfere with the biological functioning of a downstream wastewater treatment works.
- 6.7.5. The licensee shall permit authorised persons of the Agency and the Sanitary Authority to inspect, examine and test, at all reasonable times, any works and apparatus installed, in connection with the discharge or emission, and to take samples of the discharge or emission.
- 6.7.6. No discharge or emission to sewer shall take place which might give rise to any reaction within the sewer or to the liberation of by-products which may be of environmental significance.

- 6.7.7. The licensee shall ensure that the discharge shall not contain dissolved methane, petroleum spirits or organic solvents (including chlorinated organic solvents), at concentrations which would give rise to flammable or explosive vapours in the sewer.
- 6.7.8. Non-trade effluent wastewater (e.g. firewater, accidental spillage) which occurs on-site shall not be discharged to the sewer without the prior authorisation of the Sanitary Authority.
- 6.7.9. The licensee shall provide and maintain an inspection chamber in a suitable position in connection with each pipe through which a discharge or emission is being made. Each such inspection chamber or manhole shall be constructed and maintained by the licensee so as to permit the taking of samples of the discharge.
- 6.7.10. The licensee shall submit monitoring results to the Sanitary Authority on an annual basis.
- 6.7.11. The trade effluent shall be screened prior to discharge to remove gross solids and avoid blockages to sewer.
- 6.7.12. Material classified as 'hazardous waste' under the Waste Management Act, 1996, shall not be discharged to sewer.
- 6.7.13. The licensee shall provide a means of measuring the volumes of trade effluent discharged to foul sewer. These volumes shall be submitted to the Sanitary Authority on a quarterly basis.
- 6.8. Emission limit values for foul water emissions to sewer in this licence shall be interpreted in the following way:-
 - a) Continuous monitoring.
No flow value shall exceed the specified limit.
 - b) Non-Continuous monitoring.
Eight out of ten consecutive results, calculated as daily mean concentration or mass emission values on the basis of flow proportional composite sampling shall not exceed 1.2 times the emission limit value.
 - c) No grab sample shall exceed 1.2 times the emission limit value.

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

CONDITION 7 NUISANCE CONTROL

- 7.1 The licensee shall ensure that vermin, birds, flies, mud, dust, litter, noise and odours do not give rise to nuisance at the facility or in the immediate area of the facility. Any method used by the licensee to control any such nuisance shall not cause environmental pollution.
- 7.2 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 materials shall be removed without delay.
- 7.3 Litter Control
 - 7.3.1 All loose litter or other waste, placed on or in the vicinity of the facility, other than in accordance with the requirements of this licences, 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.

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

7.4 Dust/Odour Control

- 7.4.1 All non-hazardous waste for disposal stored overnight at the facility, shall be stored in suitably covered and enclosed containers within the Waste Transfer Building, and shall be removed from the facility within forty eight hours of its arrival at the facility.

- 7.4.2 Prior to the date of commencement of the waste activities at the facility, 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:-

7.4.2.1 Dust curtains shall be maintained on the entry/exit points from the waste transfer building, all other doors in this building shall be kept closed where possible.

7.4.2.2 Provision of 100% duty capacity and 25% stand by capacity, back ups and spares must be provided for the air handling, ventilation and abatement plant.

- 7.4.3 Within 3 months of the date of grant of the licence submit an odour management plan to the Agency for its approval to include the following; detailed measures taken to prevent odour escaping off-site from the handling of sewage sludge; the feasibility of the installation of a negative air pressure system throughout the building to ensure no significant escape of odours or dust; details of installation of a odour management system.

REASON: To provide for the control of nuisances.

CONDITION 8 MONITORING

- 8.1. The licensee shall carry out such monitoring and at such locations and frequencies as set out in *Schedule D: Monitoring* of this licence. Unless otherwise specified by this licence, all environmental monitoring shall commence no later than two months after the date of grant of this licence.
- 8.2. The licensee shall amend the frequency, locations, methods and scope of monitoring as required by this licence only upon the written instruction of the Agency and shall provide such information concerning such amendments as may be requested in writing by the Agency. Such alterations shall be carried out within any timescale nominated by the Agency.
- 8.3. Monitoring and analysis equipment shall be operated and maintained in accordance with the manufacturers' instructions (if any) so that all monitoring results accurately reflect any emission, discharge or environmental parameter.
- 8.4. The licensee shall provide safe and permanent access to all on-site sampling and monitoring points and to off-site points as required by the Agency.
- 8.5. The licensee shall maintain all sampling and monitoring points, and clearly label and name all sampling and monitoring locations, so that they may be used for representative sampling and monitoring.

- 8.6. The licensee shall install on all emission points such sampling points or equipment, including any data-logging or other electronic communication equipment, as may be required by the Agency. All such equipment shall be consistent with the safe operation of all sampling and monitoring systems.
- 8.7. Within one month of the date of grant of this licence, the licensee shall maintain on-site a register of the names, qualifications and a summary of relevant experience of all persons that will 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.
- 8.8. 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. Prior written agreement for the use of alternative equipment, other than in emergency situations, shall be obtained from the Agency.
- 8.9. Nuisance Monitoring
- 8.9.1. The licensee shall, at a minimum of one week intervals, inspect the facility and its immediate surrounds for nuisances caused by litter, vermin, birds, flies, mud, dust, noise and odours.

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

CONDITION 9 CONTINGENCY ARRANGEMENTS

- 9.1. In the event of an incident the licensee shall immediately:-
- a) identify the date, time and place of the incident;
 - b) carry out an immediate investigation to identify the nature, source and cause of the incident and any emission arising therefrom;
 - c) isolate the source of any such emission;
 - d) evaluate the environmental pollution, if any, caused by the incident;
 - e) identify and execute measures to minimise the emissions/malfunction and the effects thereof;
 - f) provide a proposal to the Agency for its agreement within one month of the incident occurring to:-
 - i) identify and put in place measures to avoid reoccurrence of the incident; and
 - ii) identify and put in place any other appropriate remedial action.
- 9.2. The licensee shall, within two months of the date of grant of this licence, submit a written Emergency Response Procedure (ERP) to the Agency for its agreement. The ERP shall address any emergency situations which may originate on the facility and shall include provision for minimising the effects of any emergency on the environment. This shall include a risk assessment to determine the requirements at the facility for fire fighting and fire water retention facilities. The Fire Authority shall be consulted by the licensee during this assessment.

- 9.3. The licensee shall have in storage an adequate supply of containment booms and/or suitable absorbent material to contain and absorb any spillage at the facility. Once used the absorbent material shall be disposed of at an appropriate facility.
- 9.4. Emergencies
- 9.4.1. In the event of a complete breakdown of equipment or any other occurrence which results in the closure of the transfer station building, any waste arriving at or already collected at the facility shall be transferred directly to appropriate landfill sites or any other appropriate facility until such time as the transfer station building is returned to a fully operational status. Such a breakdown event will be treated as an emergency and rectified as soon as possible.
- 9.4.2. All significant spillages occurring at the facility shall be treated as an emergency and immediately cleaned up and dealt with so as to alleviate their effects.
- 9.4.3. No waste shall be burnt within the boundaries of the facility. A fire at the facility shall be treated as an emergency and immediate action shall be taken to extinguish it and notify the appropriate authorities.

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

CONDITION 10 RECORDS

- 10.1 The licensee shall keep the following documents at the facility office:-
- a) the current waste licence relating to the facility;
 - b) the current EMS for the facility;
 - c) the previous year's AER for the facility; and
 - d) all written procedures produced by the licensee which relate to the licensed activities.
- 10.2 The licensee shall maintain a written record for each load of waste arriving at and departing from the facility. The licensee shall record the following:-
- a) the date;
 - b) the name of the carrier (including if appropriate, the waste carrier registration details);
 - c) the vehicle registration number;
 - d) the name of the producer(s)/collector(s) of the waste as appropriate;
 - e) the name of the waste facility (if appropriate) from which the load originated including the waste licence or waste permit register number;
 - f) the method used to process/sort the waste at the facility;
 - g) a description of the waste including the associated EWC codes;
 - h) the quantity of the waste, recorded in tonnes;
 - i) the name of the person checking the load;
 - j) where loads or wastes are removed or rejected, details of the date of occurrence, the types of waste and the facility to which they were removed;
 - k) where applicable a consignment note number (including transfrontier shipment notification and movement/tracking form numbers, as appropriate);
 - l) written confirmation that the consigned waste has reached its destination and/or has been subjected to the recovery/disposal process for which it was destined, as appropriate; and

m) TFS documentation as appropriate.

10.3 Written Records

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

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

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

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

10.5 A written record shall be kept of each consignment of foul water removed from the facility. The record shall include the following:-

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

10.6 A written record shall be kept at the facility of the programme for the control and eradication of vermin and fly infestations at the facility. These records shall include as a minimum the following:-

- a) the date and time during which spraying of insecticide is carried out;
- b) contractor details;
- c) contractor logs and site inspection reports;
- d) details of the rodenticide(s) and insecticide(s) used;
- e) operator training details;
- f) details of any infestations;
- g) mode, frequency, location and quantity of application; and,
- h) measures to contain sprays within the facility boundary.

CONDITION 11 REPORTS AND NOTIFICATIONS

- 11.1 No alteration to, or reconstruction in respect of, the activity or any part thereof which would, or is likely to, result in:
- a) A material change or increase in:
 - The nature or quantity of any emission;
 - The abatement/treatment or recovery systems;
 - The range of processes to be carried out;
 - The fuels, raw materials, products or wastes to be generated or accepted, or
 - b) Any changes in:
 - The site management and control with adverse environmental significance,shall be carried out or commenced without prior notice to, and without the prior written agreement of, the Agency.
- 11.2 Unless otherwise agreed by the Agency, all reports and notifications submitted to the Agency shall:-
- a) be sent to the Environmental Protection Agency, Regional Inspectorate, Richview, Clonskeagh Road, Dublin 14;
 - b) comprise one original and two copies unless additional copies are required;
 - c) be formatted in accordance with any written instruction or guidance issued by the Agency;
 - d) include whatever information as is specified in writing by the Agency;
 - e) be identified by a unique code, indicate any modification or amendment, and be correctly dated to reflect any such modification or amendment;
 - f) be submitted in accordance to the relevant reporting frequencies specified by this licence, such as in *Schedule E: Recording and Reporting to the Agency* of this licence;
 - g) be accompanied by a written interpretation setting out their significance in the case of all monitoring data; and
 - h) be transferred electronically to the Agency's computer system if required by the Agency.
- 11.3 In the event of an incident occurring on the facility, the licensee shall:-
- a) notify the Agency as soon as practicable and in any case not later than 10.00 am the following working day after the occurrence of any incident;
 - b) submit a written record of the incident, including all aspects described in Condition 9.1(a-e), to the Agency as soon as practicable and in any case within five working days after the occurrence of any incident;
 - c) in the event of any incident which relates to discharges to surface/sewer water, notify South Dublin County Council, Sanitary Authority as soon as practicable and in any case not later than 10:00am on the following working day after such an incident; and
 - d) Should any further actions be taken as a result of an incident occurring, the licensee shall forward a written report of those actions to the Agency as soon as practicable and no later than ten days after the initiation of those actions.

11.4 Waste Recovery Reports

Within nine months of the date of grant of this licence, a report examining waste recovery options shall be prepared and included in the AER. This report shall address methods to contribute to the achievement of the recovery targets stated in national and European Union waste policies and shall include the following:-

- a) proposals for the contribution of the facility to the achievement of targets for the reduction of biodegradable waste to landfill as specified in the Landfill Directive;
- b) the separation of recyclable materials from the waste;
- c) the recovery of Construction and Demolition Waste;
- d) the recovery of metal waste and white goods including written procedures for the de-gassing of CFC's from refrigerators;
- e) the recovery of commercial waste, including cardboard;
- f) inert waste to be used for cover/restoration material at the facility; and
- g) the recovery of all hazardous waste.

11.5 Monitoring Locations

- 11.5.1. Within three months of the date of grant of this licence, the licensee shall prepare for inclusion in the AER, an appropriately scaled drawing(s) showing all the monitoring locations that are stipulated in this licence. The drawing(s) shall include the reference code of each monitoring point.

11.6 Annual Environmental Report

- 11.6.1 The licensee shall submit to the Agency for its agreement, by 31st March each year an Annual Environmental Report (AER).
- 11.6.2 The AER shall include as a minimum the information specified in *Schedule F: Content of Annual Environmental Report* and shall be prepared in accordance with any relevant written guidance issued by the Agency.

REASON: <i>To provide for proper reporting and notification of the Agency.</i>

CONDITION 12 CHARGES AND FINANCIAL PROVISIONS

12.1 Agency Charges

- 12.1.1 The licensee shall pay to the Agency an annual contribution of €18,162.50 or such sum as the Agency from time to time determines, towards the cost of monitoring the activity or otherwise in performing any functions in relation to the activity, as the Agency considers necessary for the performance of its functions under the Waste Management Act 1996. The licensee shall in 2005 and subsequent years, not later than January 31 of each year, pay to the Agency this amount updated in accordance with changes in the Public Sector Average Earnings Index from the date of the licence to the renewal date. The updated amount shall be notified to the licensee by the Agency. For 2004, the licensee shall pay a pro rata amount from the date of this licence to 31st December. This amount shall be paid to the Agency within one month of the date of grant of this licence.

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

12.2 Financial Provision for Closure, Restoration and Aftercare

- 12.2.1 The licensee shall arrange for the completion of a comprehensive and fully costed Environmental Liabilities Risk Assessment for the facility which will address liabilities arising from the carrying on of the activities to which this licence relates. A report on this assessment shall be submitted to the Agency for its agreement within six months of date of grant of this licence.
- 12.2.2 Within nine months of the date of grant of this licence, the licensee shall make a Proposal for Financial Provision to the Agency for its agreement to cover any liabilities incurred by the licensee in carrying on the activities to which this licence relates. Such provision shall be maintained by the licensee unless otherwise agreed by the Agency.
- 12.2.3 The amount of financial provision, held under Condition 12.2.2 shall be reviewed and revised as necessary, but at least annually. Any proposal for such a revision shall be submitted to the Agency for its agreement.
- 12.2.4 The licensee shall within two weeks of purchase, renewal or revision of the financial provision required under Condition 12.2.2, forward to the Agency written proof of such indemnity.
- 12.2.5 Unless otherwise agreed any revision to the fund shall be computed using the following formula:

$$\text{Cost} = (\text{ECOST} \times \text{WPI}) + \text{CiCC}$$

Where:

Cost = Revised restoration and aftercare cost.

ECOST = Existing restoration and aftercare cost.

WPI = Appropriate Wholesale Price Index [Capital Goods, Building & Construction (i.e. Materials & Wages) Index], as published by the Central Statistics Office, for the year since last closure calculation/revision.

CiCC = Change in compliance costs as a result of change in site conditions, changes in law, regulations, regulatory authority charges, or other significant changes.

WPI = Appropriate Wholesale Price Index [Capital Goods, Building & Construction (i.e. Materials & Wages) Index], as published by the Central Statistics Office, for the year since last closure calculation/revision.

CiCC = Change in compliance costs as a result of change in site conditions, changes in law, regulations, regulatory authority charges, or other significant changes.

12.3 Sanitary Authority Charges.

- 12.3.1 The licensee shall pay to the Sanitary Authority a quarterly charge of €1.60 per cubic metre of trade effluent discharged to the foul sewer or 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. This amount shall be paid to the Sanitary Authority within one month of the date of grant of this licence and quarterly

thereafter within one month of the date of notification by the Sanitary Authority of the updated quarterly amount.

- 12.3.2 The licensee shall pay to the Sanitary Authority an annual charge of €1,620 or such sum as may be determined from time to time, towards the cost of monitoring the discharge of trade effluent. This amount shall be paid to the Sanitary Authority within one month of the date of grant of this licence and annually thereafter within one month of the date of notification by the Sanitary Authority of the updated annual amount.

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

SCHEDULE A : Waste Acceptance

A.1 Waste Acceptance

Table A.1 Waste Categories and Quantities

WASTE TYPE ^{Note 1}	MAXIMUM (TONNES PER ANNUM) ^{Note 2}
Household Waste	7,000
Sewage Sludge	2,000
Construction and Demolition Waste	1,000
Industrial Sludge	2,000
Commercial and Industrial Waste-	15,000
Hazardous Waste as listed in Table E.2.2 entitled ' <i>Hazardous waste Types and Quantities</i> ' of the application.	33,000
TOTAL	60,000

Note 1 Other waste types compatible with the facility operation may be accepted subject to prior written agreement by the Agency.

Note 2 There shall be no increase or variation in any of the waste types accepted without prior written agreement by the Agency.

SCHEDULE B : Specified Engineering Works

Specified Engineering Works

Installation of silt traps and oil interceptors.

Installation of dust/odour system.

Installation of waste handling, processing, recycling/recovery infrastructure and installation of increased waste processing capacity.

Installation of emissions abatement equipment.

Installation of sumps, bunds or other drainage controls.

Installation of refrigerator reprocessing equipment.

Installation of bulking-up compartment.

Any other works notified in writing by the Agency.

SCHEDULE C : Emission Limits

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

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

C.2 Dust Deposition Limits: (Measured at the monitoring points indicated in *Table D.1.1*).

Level (mg/m ² /day) ^{Note 1}
350

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

C.3 Emission Limits for Foul Water Emissions to Sewer

Emission Point Reference No.

TfFW1

Volume to be emitted:^{Note 1}

Maximum in any one day: 5 m³

Maximum rate per hour: 2 m³/hr

Parameter	Emission Limit Value		
	Grab Sample (mg/l)	Daily Mean Concentration (mg/l)	Daily Mean Loading (kg/day)
BOD	3000	2000	10
COD	6000	4000	20
Ammoniacal Nitrogen N (NH ₄ -N)	100	70	0.35
Suspended solids	1500	1000	5
Sulphates (as SO ₄)	1000	1000	5
pH	6-10	6-10	
Temperature	42°C	42°C	
Detergents (as MBAS)	100	100	0.5
Fats, Oils, Grease	100	100	0.5
Phosphates (as PO ₄ -P)	100	100	0.5

Note 1: Subject to compliance with Condition 6.7.8

C.4 Emissions to Atmosphere

Emission Point Reference No.

Tf A1

Parameter	Emission Limit Value
Total Particulates	20 mg/m ³
T. A. Luft Organics General	50mg/m ³ (as total carbon) (mass flow ≥ 0.5 kg/h)

SCHEDULE D : Monitoring

Monitoring to be carried out as specified below.

D.1 Monitoring Locations

Monitoring locations shall be those as set out in Table D.1.1.

Table D.1.1 Monitoring Locations

Noise	Sewer Emission Point	Groundwater	Surface water	Dust	Air Emission Point
Stations ^{Note 1}	Stations ^{Note 1}	Stations	Stations ^{Note 1}	Stations ^{Note 3}	Stations ^{Note 1}
Tf N1	TfFW1	^{Note 2}	Tf SW1	D1	Tf A1
Tf N2				D2	
Tf N3				D3	
				D4	

Note 1: Locations as per Drawing No. 569-42-108 'Locations of Environmental Monitoring Points'.

Note 2: Locations to be agreed with the Agency in accordance with Condition 3.15.1.

Note 3: Locations as per Figure 5.3 of Volume 2 of EIS.

D.2 Dust

Table D.2.1 Dust Monitoring Frequency and Technique

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

Note 2: Twice during the period May to September.

D.3 Noise

Table D.3.1 Noise Monitoring Frequency and Technique

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

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

D.4 Stormwater Sewer Emissions

Table D.4.1 Monitoring and Frequency Technique

Parameter	Monitoring Frequency	Analysis Method/Technique
PH	Quarterly	Standard ^{Note 1}
COD	Quarterly	Standard ^{Note 1}
Conductivity	Quarterly	Standard ^{Note 1}

Note 1: Sampling and analytical techniques must be based on standard methods which have been demonstrated as suitable for the measurement of the target substances.

D.5 Foul water Emissions

Table D.5.1 Foul water Monitoring Frequency and Techniques

Parameter	Monitoring Frequency	Analysis Method/Technique
PH	Every Two Months	Electrometry
Biological Oxygen Demand	Every Two Months	Standard Methods ^{Note 1}
Suspended Solids	Every Two Months	Standard Methods ^{Note 1}
Fats, Oils, Grease	Every Two Months	Standard Methods ^{Note 1}
Temperature	Every Two Months	Temperature probe
Sulphates (as SO ₄)	Every Two Months	Standard Methods ^{Note 1}
Ammoniacal nitrogen	Every Two Months	Standard Methods ^{Note 1}
Phosphates (as PO ₄ -P)	Every Two Months	Standard Methods ^{Note 1}
Chemical Oxygen Demand	Every Two Months	Standard Methods ^{Note 1}
Detergents (as MBAS)	Every Two Months	Standard Methods ^{Note 1}

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

D.6 Groundwater

Table D.6.1 Monitoring Parameters and Frequency

Parameter ^{Note 1}	Monitoring Frequency
Visual Inspection/Odour ^{Note 2}	Quarterly
Groundwater Level ^{Note 4}	Quarterly
Dissolved Oxygen	Quarterly
Electrical Conductivity	Quarterly
pH ^{Note 4}	Quarterly
Sulphate	Quarterly
Chloride	Quarterly
Total Organic Carbon	Quarterly
List I/II Organic Substances ^{Note 3}	Annually
Metals	Annually

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

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

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

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

D.7 Emissions to Atmosphere

Emission Point Reference No. Tf A1

Table D.7.1 Air Monitoring Frequency and Techniques

Parameter	Monitoring Frequency	Analysis Method/Technique
Volatile Organics (T. A. Luft Class I, II and III)	Annually	Adsorption / Desorption, GCMS Note 1
ODS ^{Note 2}	Biannually	To be agreed
Particulates	Biannually	Isokinetic / Gravimetric

Note 1: Or an equivalent method acceptable to the Agency.

Note 2: To be agreed subject to Condition 5.13.

D.8 Asbestos Fibre Monitoring

Monitoring Locations: Two locations to be agreed with the Agency

Monitoring Frequency: As per Table D.8.1

Table D.8.1 Asbestos Fibre Monitoring

Parameter (fibres/ml)	Monitoring Frequency	Analysis Method/Technique
Asbestos Fibre Concentration	Quarterly ^{Note 1}	Standard Method ^{Note 2}

Note 1: Monitoring shall be performed at least one month prior to the acceptance of asbestos at the facility.

Note 2: Method used shall be 'Asbestos Fibre in Air' Health and Safety Executive MDHS 39/4, UK (1995) or another method agreed by the Agency. Monitoring shall be carried out by an independent laboratory agreed by the Agency.

SCHEDULE E : Recording and Reporting to the Agency

Recurring Reports

Report	Reporting Frequency ^{Note1}	Report Submission Date
Environmental Management System Updates	Annually	As part of the AER.
Annual Environment Report (AER)	Annually	By 31 March of each calendar year.
Record of incidents	As they occur	Within five days of the incident.
Bund, tank and container integrity assessment	Every three years	Six months from the date of grant of licence every three years thereafter as part of the AER.
Specified Engineering Works reports	As they arise	Prior to the works commencing.
Any other monitoring	As they occur	Within ten days of obtaining results.

Note 1: Unless altered at the request of the Agency

SCHEDULE F : **Content of the Annual Environmental Report**

Annual Environmental Report Content

Reporting Period.

Waste activities carried out at the facility.

Quantity and Composition of waste recovered, received and disposed of during the reporting period and each previous year (relevant EWC codes to be used).

Report on emissions.

Results and interpretations of environmental monitoring, including a location plan of all monitoring locations.

Resource and energy consumption summary.

Development / Infrastructural works in place and planned, to process waste quantities projected for the following year (including plant operating capacity, provision of adequate standby capacity and provision of contingency, backup and spares in the case of breakdown).

Schedule of Environmental Objectives and Targets for the forthcoming year.

Report on the progress towards achievement of the Environmental Objectives and Targets contained in previous year's report.

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

Tank, drum, pipeline and bund testing and inspection report.

Reported Incidents and Complaints summaries.

Review of Nuisance Controls.

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

Volume of foul water produced and volume of foul water transported off-site.

Any other items specified by the Agency.

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

Sealed by the seal of the Agency on this the 31st day of May, 2004

PRESENT when the seal of the Agency
was affixed hereto:

Padraic Larkin, **Director/Authorised Person**

This licence was amended on 8th February, 2011 under Section 42 B(1) of the Waste Management Acts, 1996 to 2010. The details of Amendment A must be read in conjunction with this licence. The amendment document is entitled “Technical Amendment A”

This licence was amended on 19th June, 2012 under Section 42 B(1) of the Waste Management Acts, 1996 to 2011. The details of Amendment B must be read in conjunction with this licence. The amendment document is entitled “Technical Amendment B”.

This licence was amended on 7 January 2014 under Section S76A(11) of the Waste Management Act 1996 as amended. The details of the Amendment must be read in conjunction with this licence. The amendment document is entitled “IED Amendment”.



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

WASTE LICENCE

Waste Licence Register Number:	W0192-03
Licensee:	Rilta Environmental Limited
Location of Facility:	Block 402, Grant's Drive, Greenogue Business Park, Rathcoole, County Dublin.

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 to facilitate the setting of a standard for processed fuel oil produced at this facility for use only in the asphalt/quarry sector as a substitute for heavy fuel oil. There is a requirement to assess the location of the infrastructure on-site to provide for the segregation of wastes.

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.

Table of Contents

Glossary of Terms	1
Decision & Reasons for the Decision	6
Part I Schedule of Activities Licensed.....	7
Part II Schedule of Activities Refused.....	8
Part III Conditions	9
Condition 1. Scope	9
Condition 2. Management of the Facility.....	9
Condition 3. Infrastructure and Operation	12
Condition 4. Interpretation	16
Condition 5. Emissions	18
Condition 6. Control and Monitoring.....	19
Condition 7. Resource Use and Energy Efficiency.....	22
Condition 8. Materials Handling	23
Condition 9. Accident Prevention and Emergency Response	25
Condition 10. Decommissioning & Residuals Management	26
Condition 11. Notification, Records and Reports	27
Condition 12. Financial Charges and Provisions	30
SCHEDULE A: Limitations.....	32
SCHEDULE B: Emission Limits	34
SCHEDULE C: Control & Monitoring.....	37
SCHEDULE D: Specified Engineering Works	44
SCHEDULE E: Annual Environmental Report	45

Glossary of Terms

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

Adequate lighting	20 lux measured at ground level.
AER	Annual Environmental Report.
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 (without nitrification suppression).
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 2010.
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, results, data, drawing, proposal, interpretation or other document in written or electronic form which is required by this licence.
Drawing	Any reference to a drawing or drawing number means a drawing or drawing number contained in the application, unless otherwise specified in this licence.
EMP	Environmental Management Programme.
Emission limits	Those limits, including concentration limits and deposition rates, established in <i>Schedule B: Emission Limits</i> , of this licence.
Environmental damage	As defined in Directive 2004/35/EC.
EPA	Environmental Protection Agency.
European Waste Catalogue (EWC)	A harmonised, non-exhaustive list of wastes drawn up by the European Commission and published as Commission Decision 2000/532/EC and any subsequent amendment published in the Official Journal of the European Community.
Facility	Any site or premises used for the purpose of the recovery or disposal of waste.
Fortnightly	A minimum of 24 times per year, at approximately two week intervals.
Gas Oil	Gas Oil as defined in Council Directive 1999/32/EC and meeting the requirements of S.I. No. 119 of 2008.
GC/MS	Gas chromatography/mass spectroscopy.
Green Waste	Waste wood (excluding timber), plant matter such as grass cuttings, and other vegetation.
ha	Hectare.

Heavy metals	This term is to be interpreted as set out in “Parameters of Water Quality, Interpretation and Standards” published by the Agency in 2001. ISBN 1-84095-015-3.
HFO	Heavy Fuel Oil as defined in Council Directive 1999/32/EC and meeting the requirements of S.I. No. 119 of 2008.
Hours of operation	The hours during which the facility is authorised to be operational.
Hours of waste acceptance	The hours during which the facility is authorised to accept waste.
ICP	Inductively coupled plasma spectroscopy.
Incident	<p>The following shall constitute as incident for the purposes of this licence:</p> <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 2010.
IPPC	Integrated Pollution Prevention & Control.
K	Kelvin.
kPa	Kilopascals.
Landfill Directive	Council Directive 1999/31/EC.
L_{eq}	Equivalent continuous sound level.
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.
List I	As listed in the EC Directives 2006/11/EC and 80/68/EEC and amendments.
List II	As listed in the EC Directives 2006/11/EC and 80/68/EEC and amendments.

Local Authority	South Dublin County Council.
Maintain	Keep in a fit state, including such regular inspection, servicing, calibration and repair as may be necessary to perform its function adequately.
Mass flow limit	An emission limit value expressed as the maximum mass of a substance that can be emitted per unit time.
Mass flow threshold	A mass flow rate above which a concentration limit applies.
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 Acts 1996 to 2010
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 system for light liquids, (e.g. oil and petrol) – Part 2: Selection of normal size, installation, operation and maintenance).
PRTR	Pollutant Release and Transfer Register.
Quarterly	All or part of a period of three consecutive months beginning on the first day of January, April, July or October.
Recyclable materials	Waste types, such as cardboard, batteries, gas cylinders etc. which may be recycled
Sample(s)	Unless the context of this licence indicates to the contrary, the term samples shall include measurements taken by electronic instruments.
Sanitary effluent	Wastewater from facility toilet, washroom and canteen facilities.
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. 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 (e.g. I.S. EN, ISO, CEN, BS or equivalent); or an in-house documented procedure based on the above references; a procedure as detailed in the current edition of “Standard Methods for the Examination of Water and Wastewater” (prepared and published jointly by A.P.H.A., A.W.W.A. & W.E.F.), American Public Health Association, 1015 Fifteenth Street, N.W., Washington DC 20005, USA; or an alternative method as may be agreed by the Agency.
Storm water	Rain water run-off from roof and non-process areas.
Temporary Storage	In relation to waste is a period of less than six months as defined in the Waste Management Acts 1996 to 2010.
The Agency	Environmental Protection Agency.
TA Luft	Technical Instructions on Air Quality Control – TA Luft in accordance with art. 48 of the Federal Immission Control Law (BImSchG) dated 15 March 1974 (BGBl. I p 721). Federal Ministry for Environment, Bonn 1986, including the amendment for Classification of Organic Substances according to section 3.1.7 TA. Luft, published in July 1997.
TOC	Total organic carbon.
Trade effluent	Trade effluent has the meaning given in the Water Services Act, 2007.
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.

Decision & Reasons for the Decision

The Environmental Protection Agency is satisfied, on the basis of the information available, that subject to compliance with the conditions of this licence, any emissions from the activity will comply with and will not contravene any of the requirements of the Section 40(4) of the Waste Management Acts 1996 to 2010.

In reaching this decision the Environmental Protection Agency has considered the application, supporting documentation received from the applicant, an objection received from a third party 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 2010, the Environmental Protection Agency (the Agency), under Section 46(8)(a) 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 2010

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.	Repacking 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 2010

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.

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 1.4 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 For the purposes of this licence, the facility authorised by this licence is the area of land outlined in dark blue on Drawing No. 4709-1101 Issue A of the application. Any reference in this licence to “facility” shall mean the area thus outlined in dark blue. The licensed activities shall be carried on only within the area outlined.
- 1.4 No alteration to, or reconstruction in respect of, the activity, or any part thereof, that would, or is likely to, result in
- (i) a material change or increase in:
 - the nature or quantity of any emission;
 - the abatement/treatment or recovery systems;
 - the range of processes to be carried out;
 - the fuels, raw materials, intermediates, products or wastes generated, or
 - (ii) any changes in:
 - site management, infrastructure or control with adverse environmental significance;
- shall be carried out or commenced without prior notice to, and without the agreement of, the Agency.
- 1.5 The facility shall be controlled, operated and maintained, and emissions shall take place as set out in the licence. All programmes required to be carried out under the terms of this licence become part of this licence.
- 1.6 This licence is for purposes of waste licensing under the Waste Management Acts 1996 to 2010 only and nothing in this licence shall be construed as negating the licensee’s statutory obligations, or requirements under any other enactments or regulations.
- 1.7 This licence has been granted in substitution for the licence granted to the licensee on 29th May 2008 (Register No W0192-02). The previous IPPC licence (Reg No. W0192-02) is superseded by this revised licence.

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

Condition 2. Management of the Facility

2.1 Facility Management

- 2.1.1 The licensee shall employ a suitable 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 a 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).

2.2.2.3 Environmental Management Programme (EMP)

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

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

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

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

2.2.2.4 Documentation

- (i) The licensee shall maintain an environmental management documentation system which shall be to the satisfaction of the Agency.

- (ii) The licensee shall issue a copy of this licence to all relevant personnel whose duties relate to any condition of this licence.

2.2.2.5 Corrective Action

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

2.2.2.6 Awareness and Training

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

2.2.2.7 Communications Programme

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

2.2.2.8 Maintenance Programme

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

2.2.2.9 Efficient Process Control

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

<p>Reason: <i>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.</i></p>

Condition 3. Infrastructure and Operation

- 3.1 The licensee shall establish and maintain, for each component of the facility, all infrastructure referred to in this licence in advance of the commencement of the licensed activities in that component, or as required by the conditions of this licence. Infrastructure specified in the application that relates to the environmental performance of the installation and is not specified in the licence, shall be installed in accordance with the schedule submitted in the application.
- 3.2 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 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 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 There shall be no unauthorised public access to the facility.

3.4.2 Security and stockproof fencing and gates shall be maintained at the facility. The base of the fencing shall be set in the ground.

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

3.4.4 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.

3.5.4 Surface water run-off from areas other than the weighbridge and vehicle wash area shall be discharged to surface water drainage system.

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 the 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 weighbridge and vehicle wash areas (including surface water run-off) shall be directed to the wastewater drainage system.
- 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 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 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 Prior to the shipment of processed fuel oil off-site the licensee shall prepare an updated report, which shall be agreed with the Agency, detailing the duty and standby capacity in tonnes per day, of all waste handling and processing equipment 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 accepted at the facility on a daily basis shall not exceed the duty capacity of the equipment at the facility.
- 3.10 The licensee shall provide a dedicated area in the Hydrocarbon Treatment Centre for the treatment and storage of waste oils which shall include a waste inspection area, a waste quarantine area and dedicated waste oil and final product storage tanks. A drawing outlining the location of these facilities shall be agreed with the Agency prior to the shipment of reprocessed waste oil from the facility in accordance with Condition 3.2 of this licence.
- 3.11 The licensee shall provide and use adequate lighting during the operation of the facility.
- 3.12 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.

- 3.13 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) shall be refrigerated immediately after collection and retained as required for EPA use.
- 3.14 The licensee shall clearly label and provide safe and permanent access to all on-site sampling and monitoring points and to off-site points as required by the Agency. The requirement with regard to off-site points is subject to the prior agreement of the landowner(s) concerned.
- 3.15 Hazardous Waste Storage Areas, Tank, Sump, Container and Drum Storage Areas
- 3.15.1 All hazardous waste storage areas, tank, sump, container and drum storage areas shall be rendered impervious to the materials stored therein. Bunds shall be designed having regard to Agency guidelines 'Storage and Transfer of Materials for Scheduled Activities' (2004).
- 3.15.2 All hazardous waste storage areas, tank, sump, 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 that could be stored within the bunded area.
- 3.15.3 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.
- 3.15.4 All inlets, outlets, vent pipes, valves and gauges must be within the bunded area.
- 3.15.5 All tanks, containers and drums shall be labelled to clearly indicate their contents.
- 3.16 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.
- 3.17 Silt Traps and Oil Separators
- The licensee shall install and maintain silt traps and oil separators at the facility to ensure that all storm water discharges, and wastewater (excluding toilet and canteen wastewater) discharges from the facility pass through a silt trap and oil separator in advance of discharge. For discharges to surface water, the separator shall be a Class I full retention separator which shall be fitted with a manual shut-off valve. For discharges to sewer, the interceptor shall be Class II full retention interceptor. The silt traps and separator shall be in accordance with I.S. EN-858-2: 2003 (separator systems for light liquids).
- 3.18 Fire-water Retention
- 3.18.1 In the event of a fire or a spillage to storm water, the site storm water shall be diverted to the firewater retention tank.
- 3.18.2 The licensee shall have regard to the Environmental Protection Agency Draft Guidance Note to Industry on the Requirements for Fire-Water Retention Facilities.

- 3.19 All pump sumps, storage tanks, lagoons or other treatment plant chambers from which spillage of environmentally significant materials might occur in such quantities as are likely to breach local or remote containment or separators, shall be fitted with high liquid level alarms (or oil detectors as appropriate).
- 3.20 The provision of a catchment system to collect any leaks from flanges and valves of all over-ground pipes used to transport material other than water shall be examined. This shall be incorporated into a Schedule of Environmental Objectives and Targets set out in Condition 2. of this licence for the reduction in fugitive emissions.
- 3.21 All wellheads, as shown on Figure 7.1 *Environmental Monitoring Location* of the licence application for Waste Licence Reg. No. W0192-02 shall be adequately protected to prevent contamination or physical damage.
- 3.22 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.
- 3.23 The licensee shall, within three months of the date of grant of this licence, install/maintain in a prominent location on the site a wind sock, or other wind direction indicator, which shall be visible from the public roadway outside the site.
- 3.24 Natural gas or biodiesel meeting CEN standard EN14214 shall be used in the boilers on site. In the event of an interruption to the supply of natural gas or biodiesel, an alternative fuel such as gas oil may be used with the prior written agreement of the Agency.

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
- 4.1.1.1 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.
- 4.1.1.2 For flow, no hourly or daily mean value, calculated on the basis of appropriate spot readings, shall exceed the relevant limit value.
- 4.1.1.3 For all other parameters, no 30 minute mean value shall exceed the emission limit value.
- 4.1.1.4 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).

- 4.1.1.5 Mass flow limits shall be calculated on the basis of the concentration, determined as an average over the specified period, multiplied by an appropriate measurement of flow. No value, so determined, shall exceed the mass flow limit value.
- 4.2 The concentration and volume flow limits for emissions to atmosphere specified in this licence shall be achieved without the introduction of dilution air and shall be based on gas volumes under standard conditions of:
- 4.2.1 In the case of non-combustion gases:
- Temperature 273K, Pressure 101.3 kPa (no correction for oxygen or water content).
- 4.2.2 In the case of combustion gases:
- Temperature 273K, Pressure 101.3 kPa, dry gas; 3% oxygen for gas fuels.
- 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 specific limit.
- 4.3.2 Composite Sampling
- (i) No pH value shall deviate from the specified range.
- (ii) For parameters other than pH and flow, based on flow proportional composite sampling, no individual result shall exceed the Daily Mean Concentration emission limit value or the Daily Mean Loading emission limit value.
- 4.3.3 Discrete Sampling
- No grab sample value shall exceed the Grab Sample emission limit value or the pH and temperature 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.
- 4.5 Noise
- 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 value(s).
- 4.6 Dust and Particulate Matter
- Dust and particulate matters from the activity shall not give rise to deposition levels which exceed the limit value.

Reason: <i>To clarify the interpretation of limit values fixed under the licence.</i>
--

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 or watercourses.
- 5.5 There shall be no direct discharge 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 2010, 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 concentrations 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 2010.*

Condition 6. Control and Monitoring

6.1 Test Programme for the Waste Oil Treatment System

- 6.1.1 The licensee shall prepare to the satisfaction of the Agency, a test programme for operation of the Waste Oil Treatment System to the specification required to produce reprocessed waste oil in this licence. This programme shall be submitted to the Agency in advance of implementation.
- 6.1.2 The programme, following agreement with the Agency, shall be completed within three months of the commencement.
- 6.1.3 The criteria for the operation of the waste oil treatment system as determined by the test programme, shall be incorporated into the standard operating procedures.
- 6.1.4 The test programme shall as a minimum:
- (i) establish all criteria for the operation, control and management of the waste oil treatment equipment to ensure compliance with the emission limit values specified in this licence;
 - (ii) assess the performance of any monitors on the system and establish a maintenance and calibration programme for each monitor; and
 - (iii) establish all procedures for the sampling and analysis of incoming waste oils, intermediates produced in the waste oil treatment system and final product.
- 6.1.5 A report on the test programme shall be submitted to the Agency within one month of completion for approval.

6.2 The licensee shall carry out such sampling, analyses, measurements, examinations, maintenance and calibrations as set out below and as in accordance with *Schedule C: Control & Monitoring*, of this licence.

- 6.2.1 Analyses shall be undertaken by competent staff in accordance with documented operating procedures.
- 6.2.2 Such procedures shall be assessed for their suitability for the test matrix and performance characteristics shall be determined.
- 6.2.3 Such procedures shall be subject to a programme of Analytical Quality Control using control standards with evaluation of test responses.

6.2.4 Where any analysis is sub-contracted it shall be to a competent laboratory.

6.3 The licensee shall ensure that:

- (i) sampling and analysis for all parameters listed in the Schedules to this licence; and
- (ii) any reference measurements for the calibration of automated measurement systems;

shall be carried out in accordance with CEN-standards. If CEN standards are not available, ISO, national or international standards that will ensure the provision of data of an equivalent scientific quality shall apply.

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

6.5 Monitoring and analysis equipment shall be operated and maintained as necessary so that monitoring accurately reflects the emission/discharge (or ambient conditions where that is the monitoring objective).

6.6 The licensee shall ensure that groundwater monitoring well sampling equipment is available/installed on-site and is fit for purpose at all times. The sampling equipment shall be to Agency specifications.

6.7 All treatment/abatement and emission control equipment, including waste processing equipment and infrastructure, shall be calibrated (where relevant) and maintained in accordance with the instructions issued by the manufacturer/supplier or installer.

6.8 The frequency, methods and scope of monitoring, sampling and analyses, as set out in this licence, may be amended with the agreement of the Agency following evaluation of test results.

6.9 The licensee shall 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.

6.10 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.

6.11 The integrity and water tightness of all underground pipes, tanks, sumps, bunding structures and containers and their resistance to penetration by water or other materials carried or stored therein shall be tested and demonstrated by the licensee. This testing shall be carried out by the licensee at least once every three years and reported to the Agency on each occasion. This testing shall be carried out in accordance with any guidance published by the Agency. A written record of all integrity tests and any maintenance or remedial work arising from them shall be maintained by the licensee.

- 6.12 The drainage system (i.e., gullies, manholes, any visible drainage conduits and such other aspects as may be agreed) and bunds, silt traps and oil separators shall be inspected weekly and desludged as necessary. All sludge and drainage from these operations shall be collected for safe disposal. The drainage system, bunds, silt traps and oil interceptors shall be properly maintained at all times.
- 6.13 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.
- 6.14 There shall be no direct wastewater discharge to sewer from the Drum Recovery Centre, Hydrocarbon Waste Treatment Area and the Hazardous Waste Transfer Centre, without the prior agreement of the Agency and the WSA. 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.
- 6.15 Storm Water
- 6.15.1 A visual examination of the storm water discharges shall be carried out daily. A log of such inspections, shall be maintained.
- 6.16 A representative sample of effluent shall be screened for the presence of organic compounds and heavy metals within twelve months of date of grant of licence and annually thereafter.
- 6.17 An inspection for leaks on all flanges and valves on over-ground pipes used to transport materials other than water shall be carried out weekly. A log of such inspections shall be maintained.
- 6.18 Noise
- The licensee shall carry out a noise survey of the site operations annually. The survey programme shall be undertaken in accordance with the methodology specified in the 'Environmental Noise Survey Guidance Document' as published by the Agency.
- 6.19 Hydrocarbon Treatment Centre
- 6.19.1 The processing of aqueous and sludge waste at the facility shall be carried out as described in Section 2.3.2 Hydrocarbon Waste Treatment Centre of the EIS submitted to the Agency on 07th June 2007, unless otherwise agreed in writing by the Agency.
- 6.19.2 The processing of waste oil at the facility shall be carried out as described in Attachment D2 of this review application or as otherwise agreed in writing by the Agency having regard to the requirements of this licence.
- 6.19.3 The heating of waste oils shall be carried out at the appropriate temperature so as to avoid their combustion. A safety cut off temperature detection unit shall be installed on the oil heating tanks and calibrated annually.
- 6.19.4 Treatment of waste in the Hydrocarbon Treatment Centre shall cease in the event of a breakdown of the on-site wastewater treatment system and wastewater shall be stored for removal off-site for disposal at an authorised facility to be agreed with the Agency.

- 6.20 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.
- 6.21 Dust and Odour Control
- 6.21.1 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.
- 6.21.2 The licensee shall provide adequate measures for the control of odours and dust emissions, including fugitive dust emissions, from the facility. Such measures shall as a minimum include the following:-
- 6.21.2.1 Dust curtains, or equivalent, shall be maintained on the entry/exit points from the facility buildings,
- 6.21.2.2 Odour Management System
- 6.21.2.3 Provision of 100% duty capacity and 50% standby capacity, back-ups and spares for the air handling, ventilation and abatement plant.
- 6.22 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.
- 6.23 Pollutant Release and Transfer Register (PRTR)
- The licensee shall prepare and report a PRTR for the site. The substance and/or wastes to be included in the PRTR shall be as agreed by the Agency each year by reference to EC Regulations No. 166/2006 concerning the establishment of the European Pollutant Release and Transfer Register and amending Council Directives 91/689/EEC and 96/61/EC. The PRTR shall be prepared in accordance with any relevant guidelines issued by the Agency and shall be submitted electronically in specified format and as part of the AER.
- 6.24 The licensee shall maintain a Data Management System for collation, archiving, assessing and graphically presenting the monitoring data generated as a result of this licence.
- 6.25 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 2010.*

Condition 7. Resource Use and Energy Efficiency

- 7.1 The licensee shall carry out an audit of the energy efficiency of the site within one year of the date of grant of this licence. The audit shall be carried out in accordance with the guidance published by the Agency, "Guidance Note on Energy Efficiency Auditing". The energy efficiency audit shall be repeated at intervals as required by the Agency.
- 7.2 The audit shall review the findings and recommendations of the previous audit, dated 30th October 2006, and shall identify all practicable opportunities for energy use reduction and efficiency and the recommendations of the audit will be incorporated into the Schedule of Environmental Objectives and Targets under Condition 2 above.
- 7.3 The licensee shall identify opportunities for reduction in the quantity of water used on site including recycling and reuse initiatives, wherever possible. Reductions in water usage shall be incorporated into Schedule of Environmental Objectives and Targets.

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

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

Condition 8. Materials Handling

- 8.1 Disposal or recovery of waste on-site shall only take place in accordance with the conditions of this licence and in accordance with the appropriate National and European legislation and protocols.
- 8.2 Waste sent off-site for recovery or disposal shall be transported only by an authorised waste contractor. The waste shall be transported 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.
- 8.3 The licensee shall ensure that, in advance of transfer to another person, waste shall be classified, packaged and labelled in accordance with National, European and any other standards which are in force in relation to such labelling.
- 8.4 The loading and unloading of materials shall be carried out in designated areas protected against spillage and leachate run-off.
- 8.5 Waste shall be stored in designated areas, protected as may be appropriate against spillage and leachate run-off. The waste shall be clearly labelled and appropriately segregated.
- 8.6 No waste classified as green list waste in accordance with the EU Shipment of Waste Regulations (Council Regulation EEC No. 1013/2006, as may be amended) shall be consigned for recovery without the agreement of the Agency.
- 8.7 Waste for disposal/recovery off-site shall be analysed in accordance with *Schedule C: Control & Monitoring*, of this licence.
- 8.8 The licensee shall neither import waste into the State nor export waste out of the State except in accordance with the relevant provisions of Regulation (EC) No 1013/2006 of the European Parliament and of the Council of 14th June 2006 on shipments of waste and associated national regulations.
- 8.9 All waste processing shall be carried out indoors, in a designated building appropriate for the waste stream.
- 8.10 Waste oil reprocessing
- 8.10.1 Waste oil processing shall be carried out in a designated area and in designated tanks and process vessels segregated from other aqueous and sludge wastes.
- 8.10.2 Processed waste oil produced in the Waste Oil Treatment System following approval by the Agency of the test programme in accordance with Condition 6.1.5 from waste oils specified in *Table A.3 Schedule A: Limitations*, of this licence and which meets the limits in *Schedule C.8: Processed Waste Oil Monitoring*, of this licence shall only be used as a fuel in 'hot mix' plants in the asphalt/quarry sector as a substitute for HFO.
- 8.10.3 Waste oil which does not meet the criteria specified in Condition 8.10.2 must be disposed of/recovered off-site in accordance with appropriate National and European legislation and protocols.

8.11 Waste Acceptance and Characterisation Procedures

- 8.11.1 Waste shall only be accepted at the facility from Local Authority waste collection or transport vehicles or holders of valid waste collection permits, unless exempted or excluded, issued under the Waste Management (Collection Permit) Regulations 2007, or as may be amended.
- 8.11.2 The licensee shall maintain detailed written procedures and criteria for the acceptance, handling, treatment, sampling and bulking of all wastes to include decontamination, labelling, compatibility testing, analysis, weighing, documentation, transfer, storage and record keeping.
- 8.11.3 No hazardous waste may be accepted at the facility unless;
 - 8.11.3.1 The licensee has been notified in advance of the types of waste (including EWC codes) and the date of delivery;
 - 8.11.3.2 The waste has been appropriately labelled using the relevant EWC codes;
 - 8.11.3.3 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;
 - 8.11.3.4 The waste has been fully characterised and classified in accordance with the UN publication “Recommendations on the Transport of Hazardous Goods: Model Regulations” as amended. 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;
 - 8.11.3.5 A suitable designated storage area is immediately available at the facility; and
 - 8.11.3.6 A designated quarantine area is immediately available at the facility for any waste that does not conform with the pre-notification and which cannot be otherwise accepted at the facility.
- 8.11.4 Waste arriving at the facility shall be inspected and have its documentation checked at the point of entry to the facility and subject to this verification, weighed, recorded and directed to the Drum Recovery Centre, Hazardous Waste Transfer Station or Hydrocarbon Treatment Centre as appropriate. On arrival at the Hydrocarbon Treatment Centre the waste shall be directed to either the aqueous, sludge or waste oil processing areas. Only after such inspections may the waste be unloaded for storage or processed for disposal or recovery.
- 8.11.5 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.
- 8.11.6 A record of all inspections of incoming waste loads shall be maintained.
- 8.11.7 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.

8.12 Labelling of containers, drums and tanks

- 8.12.1 No container, drum or tank whose contents are unknown and whose contents are not clearly displayed on the label, shall be accepted at the facility.
- 8.12.2 All containers, including waste and fuel tanks and drums, shall be labelled to clearly indicate their contents. During storage, each container shall be accessible and shall be so placed as to allow for the reading of the label.

- 8.12.3 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.
- 8.13 Waste Repackaging
- 8.13.1 All containers accepted at the facility shall be whole and sound. Any leaking or otherwise ruptured drums or containers shall 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.
- 8.13.2 All operations involving the transfer of contents referred to in Condition 8.14.1 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.
- 8.14 Waste and Chemical Storage Tracking System
- 8.14.1 An electronic waste and chemical storage tracking system shall be maintained at the facility.
- 8.14.2 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, identification code, volume and content of all chemical containers whose volume exceeds 25 litres held at the facility.
- 8.14.3 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 nominated deputy as identified under Condition 2.1.1.
- 8.15 Blending/Mixing/Bulking of Hazardous Wastes
- 8.15.1 Unless approved in writing, in advance, by the Agency the licensee is prohibited from mixing a hazardous waste of one category with a hazardous waste of another category or with any other non-hazardous waste.
- 8.15.2 Blending, mixing or bulking up of hazardous solids or liquid waste shall only be carried out inside the Hazardous Waste Transfer Station.
- 8.15.3 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 8.11.2 shall consider any compatibility testing that may be required, including, as far as is possible, the identification of any potentially abnormal or unusual situations.
- 8.16 Only those wastes assigned Disposal/Recovery Code "Treatment D9" as listed in Attachment H.1 of the application may be treated at the Hydrocarbon Waste Treatment Centre, unless otherwise agreed by the Agency. No other waste shall be accepted for treatment at the Hydrocarbon Waste Treatment Centre without the prior written approval of the Agency.

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

Condition 9. Accident Prevention and Emergency Response

- 9.1 The licensee shall maintain a documented Accident Prevention Procedure that addresses the hazards on-site, particularly in relation to the prevention of accidents with a possible impact on the environment. This procedure shall be reviewed annually and updated as necessary.

- 9.2 The licensee shall maintain a documented Emergency Response Procedure that addresses any emergency situation which may originate on-site. This procedure shall include provision for minimising the effects of any emergency on the environment. This procedure shall be reviewed annually and updated as necessary.
- 9.3 Incidents
- 9.3.1 In the event of an incident the licensee shall immediately:
- (i) carry out an investigation to identify the nature, source and cause of the incident and any emission arising therefrom;
 - (ii) isolate the source of any such emission;
 - (iii) evaluate the environmental pollution, if any, caused by the incident;
 - (iv) identify and execute measures to minimise the emissions/malfunction and the effects thereof;
 - (v) identify the date, time and place of the incident;
 - (vi) notify the Agency and other relevant authorities.
- 9.3.2 The licensee shall provide a proposal to the Agency for its agreement within one month of the incident occurring or as otherwise agreed by the Agency, to:
- (i) identify and put in place measures to avoid recurrence of the incident; and
 - (ii) identify and put in place any other appropriate remedial actions.
- 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 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: <i>To provide for the protection of the environment.</i>

Condition 10. Decommissioning & Residuals Management

- 10.1 Following termination, or planned cessation for a period greater than six months, of use or involvement of all or part of the site in the licensed activity, the licensee shall, to the satisfaction of the Agency, decommission, render safe or remove for disposal/recovery any soil, subsoil, buildings, plant or equipment, or any waste, materials or substances or other matter contained therein or thereon, that may result in environmental pollution.

- 10.2 Decommissioning Management Plan (DMP)
- 10.2.1 The licensee shall review the Decommissioning Management Plan 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.
- 10.2.2 The licensee shall have regard to the Environmental Protection Agency Guidance on Environmental Liability Risk Assessment, Decommissioning Management Plans and Financial Provision when implementing Condition 10.2.1 above.
- 10.3 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. Notification, Records and Reports

- 11.1 The licence shall notify the Agency by both telephone and facsimile, if available, to the Agency's headquarters in Wexford, or to such other Agency office as may be specified by the Agency, as soon as practicable after the occurrence of any of the following:
- (i) any release of environmental significance to atmosphere from any potential emissions point including bypasses;
 - (ii) any emission that does not comply with the requirements of this licence;
 - (iii) any malfunction or breakdown of key control equipment or monitoring equipment set out in *Schedule C: Control and Monitoring*, of this licence which is likely to lead to loss of control of the abatement system; and
 - (iv) any incident with the potential for environmental contamination of surface water or groundwater, or posing an environment threat to air or land, or requiring an emergency response by the Local Authority.
- The licensee shall include as part of the notification, date and time of the incident, summary details of the occurrence, and where available, the steps taken to minimise any emissions.
- 11.2 In the event of any incident which relates to discharges to sewer having taken place, the licensee shall notify the Local and Water Services Authority as soon as practicable after such an incident.
- 11.3 In the case of any incident relating to discharges to water, the licensee shall notify the Local and Water Services Authority and the Inland Fisheries Ireland as soon as practicable after such an incident.
- 11.4 All communication with the Local Authority and WSA with regard to this licence and conditions relating to discharges 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.
- 11.5 The licensee shall, prior to reprocessed waste oil being sent off site for use as a fuel, notify the Health and Safety Authority in writing of the characteristics and quantities of the product.

- 11.6 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.
- 11.7 The licensee shall record all complaints of an environmental nature related to the operation of the activity. Each such record shall give details of the date and time of the complaint, the name of the complainant (if provided), and give details of the nature of the complaint. A record shall also be kept of the response made in the case of each complaint.
- 11.8 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.
- 11.9 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) records of waste management operations in accordance with Condition 11.11;
 - (vi) relevant correspondence with the Agency;
 - (vii) up to date site drawings/plans showing the location of key process and environmental infrastructure, including monitoring locations and emission points;
 - (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; and
 - (ix) any elements of the licence application or EIS documentation referenced in this licence.

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

- 11.10 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 E: Annual Environmental Report*, of this licence and shall be prepared in accordance with any relevant guidelines issued by the Agency.
- 11.11 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 (including consignment of wastewater) 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) a year-to-date total of the tonnages accepted on-site in each of the waste types in Schedule A.2: Waste Acceptance, of this licence;
 - (iii) the names of the agent and carrier of the waste, and their waste collection permit details, if required (to include issuing authority and vehicle registration number);

- (iv) details of the ultimate disposal/recovery destination facility for the waste and its appropriateness to accept the consigned waste stream, to include its permit/licence details and issuing authority, if required;
 - (v) written confirmation of the acceptance and disposal/recovery of any hazardous waste consignments sent off-site;
 - (vi) details of all waste consigned abroad for Recovery and classified as 'Green' in accordance with the EU Shipment of Waste Regulations (Council Regulation EEC No. 1013/2006, as may be amended). The rationale for the classification must form part of the record;
 - (vii) details of any rejected consignments;
 - (viii) details of any approved waste mixing;
 - (ix) the results of any waste analyses required under *Schedule C: Control & Monitoring*, of this licence; and
 - (x) the tonnage and EWC Code for the waste materials recovered/disposed on-site.
- 11.12 In addition to Condition 11.11, 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 production of processed fuel oil at this site. This record shall be maintained on a weekly basis and shall as a minimum contain details of the following:
- (i) for each batch of processed fuel oil produced in the Waste Oil Treatment System - details of the tonnages, EWC Code and analysis of the waste oil inputs;
 - (ii) for each consignment of processed fuel oil -the Batch number, name, contact details and nature of the business of the ultimate user of the processed fuel oil, the quantity and date supplied to the ultimate user and the results of sampling and analysis of the batches supplied to the ultimate user;
 - (iii) the licensee shall maintain a copy of the Certificate of Compliance which is issued to the ultimate user of the processed fuel oil. The Certificate of Compliance should as a minimum state (a) that the substance is "Processed Fuel Oil", (b) the Batch No., and (c) the results of the sampling and analysis for that Batch No. as specified in *Schedule C.8 Processed Waste Oil Monitoring*, of this licence; and
 - (iv) Copy of the certificate of compliance with requirements in *Schedule C.8: Processed Waste Oil Monitoring*, of this licence supplied to ultimate user.
- 11.13 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, any details required to complete national waste reports on waste statistics, and the list of wastes in Schedules A.2. and A.3 or as amended with the agreement of the Agency;
 - (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.
- 11.14 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.
- 11.15 All reports shall be certified accurate and representative by the facility manager or a nominated, suitably qualified and experienced deputy.

- 11.16 The licensee shall submit monitoring results for discharges to sewer to the WSA on a quarterly basis.
- 11.17 A record shall be kept of each waste treated at the Hydrocarbon Waste Treatment Centre. The record shall include the following:
- (i) The tonnage, EWC code and full description of the waste;
 - (ii) The acceptance criteria for the waste, including the appropriateness of the treatment having regard to the composition of the waste;
 - (iii) The results of analysis of the waste.

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 €19,394, 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 2010. The first payment shall be a pro-rata amount for the period from the date of grant of this licence to the 31st day of December, and shall be paid to the Agency within one month from the date of grant of the licence. In subsequent years the licensee shall pay to the Agency such revised annual contribution as the Agency shall from time to time consider necessary to enable performance by the Agency of its relevant functions under the Waste Management Acts 1996 to 2010, and all such payments shall be made within one month of the date upon which demanded by the Agency.
- 12.1.2 In the event that the frequency or extent of monitoring or other functions carried out by the Agency needs to be increased, the licensee shall contribute such sums as determined by the Agency to defray its costs in regard to items not covered by the said annual contribution.

12.2 Water Services Authority Charges

The licensee shall pay to the Water Services Authority an annual monitoring charge of €2,150 and such other sum as may be determined from time to time, having regard to the variations in the cost of providing drainage and the variation in effluent reception and treatment costs. Payment to be made on demand.

12.3 Environmental Liabilities

- 12.3.1 The licensee shall as part of the AER, provide an annual statement as to the measures taken or adopted at the site in relation to the prevention of environmental damage, and the financial provisions in place in relation to the underwriting of costs for remedial actions following anticipated events (including closure) or accidents/incidents, as may be associated with the carrying on of the activity.
- 12.3.2 The Environmental Liabilities Risk Assessment (ELRA) shall be reviewed as necessary to reflect any significant change on site, and in any case every three years following initial agreement. The results of the review shall be notified as part of the AER.
- 12.3.3 As part of the measures identified in Condition 12.3.1, the licensee shall, to the satisfaction of the Agency, make financial provision to cover any liabilities identified in Condition 12.3.2. The amount of indemnity held shall be reviewed and revised as necessary, but at least annually. Proof of renewal or revision of such financial indemnity shall be included in the annual 'Statement of Measures' report identified in Condition 12.3.1.

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

<p>Reason: <i>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 2010.</i></p>

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 & IBC's);
- (ii) Physical and chemical treatment of wastes;
- (iii) Filtering and dewatering of waste oil and production of processed fuel 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 with the Agency.



A.2 Waste Acceptance

Table A.2 Waste Categories and Quantities

Waste Type ^{Note 3}		Maximum (Tonnes Per Annum) ^{Note 3}
Non-Hazardous Wastes ^{Note 1,2}	Commercial Waste	500
	Construction & Demolition Waste	500
	Industrial sludges	1,000
	Other Industrial Waste	3,000
Non-Hazardous Waste Total		5,000
Hazardous Wastes		
EWC code	Description	
13 05 03*	Interceptor sludges	10,000
16 07 08*	Wastes containing oil	2,000
16 10 01*	Aqueous liquid waste containing dangerous substances	1,500
17 05 03*	Soil and stones containing dangerous substances	60,000
17 06 01* & 17 06 05*	Insulation materials and construction materials containing asbestos	8,100
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: Excluding putrescible waste.

Note 3: The limitation on individual hazardous and non-hazardous waste types may be varied with the agreement of the Agency subject to the individual total limits for non-hazardous and hazardous waste staying the same.

Note 4: Hazardous waste types as detailed in Attachment H.1 of the review application for this licence Reg No. W0192-03, or as may be otherwise agreed in advance by the Agency.



A.3 *Wastes acceptable for the production of processed fuel oil in the Waste Oil Treatment System*

EWC Code ^{Note 1}
12 01 07*; 12 01 10*; 12 01 19*; 13 01 10*; 13 01 11*; 13 01 12*; 13 01 13*; 13 02 05*; 13 02 06*; 13 02 07*; 13 02 08*; 13 03 07*; 13 03 08*; 13 03 09*; 13 03 10*; 13 04 01*; 13 04 02*; 13 04 03*; 13 05 02*; 13 05 03*; 13 05 06*; 13 05 08*; 13 07 01* and 13 07 03* 19 02 07* 20 01 26*

Note 1: Acceptable inputs are only those specific waste types listed, as identified by a full six digit EWC code.



A4 *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 m ³
	Maximum rate per hour:	5,292 m ³
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



Emission Point Reference No.:	A2	
Location:	Paint Spray Booth Stack	
Volume to be emitted:	Maximum in any one day:	44,982 m ³
	Maximum rate per hour:	5,292 m ³
Minimum discharge height:	13.7 m above ground	

Parameter	Emission Limit Value
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



Emission Point Reference No.:	A3	
Location:	Drying Tunnel Stack	
Volume to be emitted:	Maximum in any one day:	21,420 m ³
	Maximum rate per hour:	2,520 m ³
Minimum discharge height:	13.7 m above ground	

Parameter	Emission Limit Value
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 Emissions to Water

There shall be no emissions to water of environmental significance.

**B.3 Emissions 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		
Temperature	42°C (max.)		
pH	6 – 10		
	Grab Sample (mg/l)	Daily Mean Concentration (mg/l)	Daily Mean Loading (kg/day)
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	3	0.54
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

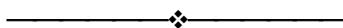


B.4 Noise Emissions

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.5 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.6 Surface Water Discharge Limits

Measured at the surface water emission point SW3.

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



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.2.1. Control of Emissions to Water

There shall be no emissions to water of environmental significance.



C.2.2. Monitoring of Emissions to Water

There shall be no emissions to water of environmental significance.

C.3.1 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.



C.3.2 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
Ammonia (as N)	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.4 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.5 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 VDI2119 (Measurement of Dustfall, Determination of Dustfall using Bergerhoff Instrument (Standard Method) German Engineering Institute). A modification (not included in the standard) which 2 methoxy ethanol may be employed to eliminate interference due to algae growth in the gauge.

Note 2: Twice during the period May to September.



C.6.1 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.6.2 *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.



C.7 *Waste Monitoring*

Waste Class	Frequency	Parameter	Method
Inputs to Waste Oil Treatment System as per Table A.3 of this licence ^{Note 1}	Per load prior to acceptance	PCB, halogens	IP462 and IP503
Other ^{Note 2}			

Note 1: Additional monitoring may be required by the Agency following an assessment of the results or any changes in standards.

Note 2: Analytical requirements to be determined on a case by case basis.



C.8 *Processed Waste Oil Monitoring*^{Note 1}

Parameter	Limit ^{Note 2}	Method	Frequency
	ppm		
Total halogens, as chlorine	2000	IP503	Per 50 tonnes produced
PCB's	5	IP462	Per 50 tonnes produced
Mercury	5	Note 3	Per 50 tonnes produced
Lead	150	Note 3	Per 50 tonnes produced
Nickel	20	Note 3	Per 50 tonnes produced
Chromium	20	Note 3	Per 50 tonnes produced
Copper	60	Note 3	Per 50 tonnes produced
Arsenic	5	Note 3	Per 50 tonnes produced
Cadmium	10	Note 3	Per 50 tonnes produced
Vanadium	100	Note 3	Per 50 tonnes produced
Ash content	1.50 %m/m	IP550	Per 50 tonnes produced
Flash Point ^{Note 4}	66.0°C (min)	IP523	Per 50 tonnes produced
Water content ^{Note 4}	1.0% v/v (max)	IP74	Per 50 tonnes produced
Carbon Residue ^{Note 4}	20% m/m (max)	IP398	Per 50 tonnes produced
Total Sediment ^{Note 4}	0.15% m/m (max)	IP375	Per 50 tonnes produced
Strong Acid No. ^{Note 4}	0	IP139	Per 50 tonnes produced
Sulphur content ^{Note 4}	1.0% m/m (max)	IP336	Per 50 tonnes produced

Note 1: The Agency may amend the parameters, limits, methods and frequency following the adoption of an Irish or European standard or specification for reprocessed fuel oil as a Technical Regulation under Directive 98/34/EC as amended.

Note 2: Processed oil which does not comply with the limits for all the parameters listed shall be considered waste and disposed/recovered in accordance with National and European legislation and protocols.

Note 3: Standardised and validated method to be agreed with the Agency.

Note 4: As specified in BS 2869:2006 for Class G oils excluding viscosity.



C.9 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.



SCHEDULE D: Specified Engineering Works

Specified Engineering Works

Development of the facility including installation of segregated waste oil handling and processing infrastructure.

Any other works notified in writing by the Agency.



SCHEDULE E: Annual Environmental Report

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

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

Sealed by the seal of the Agency on this the 22nd day of July 2010.

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

Laura Burke, Director