FEHILY TIMONEY & COMPANY

CONSULTANTS IN ENGINEERING & ENVIRONMENTAL SCIENCES

Administration
Waste Management Licensing
Environmental Protection Agency
Headquarters
P.O. Box 3000
Johnstown Castle Estate
County Wexford

16 November 2004

RE: Response to Article 12 compliance requirements for review of Waste Licence Registration No. 145-1.

Dear Sirs

Fehily Timoney & Company has been retained by Gleneden Trading Ltd. to prepare a waste licence review for the above referenced licence in response to a letter issued by the EPA on 29 September 2004.

With regard to the above document, please find herein, the following:

- One original, two hard copies and one digital copy of the waste licence review application.
- The original newspaper (The Irish Examiner) and two copies of the relevant page in which the notice was advertised
- A cheque for the sum of €28,500.00.

Please note that only hard copies of the Annual Report & Accounts 2004 of the DCC Group have been included in this application as it was not possible to obtain a digital copy for submission.

In relation to the fees, the licensee wishes to contest the amount to be paid. Under Article 45 of the Regulations, the Agency has the discretion to review the fees payable on a case by case basis. Our client feels that the fees charged are not reasonable considering the straightforward nature and low throughput of the proposed activity. The proposed operations will not include any additional on-site treatment or processing of hazardous or non-hazardous waste. The facility will largely become a transfer station with all waste accepted on site being in sealed containers and stored in bunded areas prior to shipment off-site to other licensed facilities for recycling/recovery or safe disposal. The throughput of waste in the facility will be relatively low for a waste licensed facility with a maximum of 7,000 tonnes per year.

Continued ../...

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Registered in Dublin, Ireland, Fehily Timoney & Co. Ltd. Number 180497 Registered Office: Core House, Pouladuff Road, Cork. VAT Registration Number IE 6580497D

In line with the fact that the throughput volume of waste is relatively small and the simplicity of facility operations the licensee wishes to appeal to the Agency to consider a partial refund of the fees paid.

Please contact the undersigned if you have further queries.

Yours faithfully

Jerome O'Sullivan
for and on behalf of **Fehily Timoney & Company**

Encl.

Fehily Timoney & Co.
Document Transmittal Sheet

Client Atlas Oil
Job Description Review of Waste Licence 145-1
Job Number 2004-238-01
Transmittal Date 16 November 2004

Doc Number	Revision	Doc Size	Issued For	No Of Copies	IssueMethod	Issued To Name	Issued To Company	Doc Title	Issued By
2004-238-01-001	A	A3	Waste Licence	3	Hard Copy-Courier	Licensing Unit - EPA	EPA	Internal Layout of Gleneden Site	Jerome OSullivan
2004-238-01-001	A	A3	Waste Licence	1	CD-Rom-Post	Licensing Unit - EPA	EPA	Internal Layout of Gleneden Site	Jerome OSullivan
2004-238-01-002	A	A3	Waste Licence	1	CD-Rom-Post	Licensing Unit - EPA	EPA	Boundary of Proposed Licence Activity	Jerome OSullivan
2004-238-01-002	A	A3	Waste Licence	3	Hard Copy-Courier	Licensing Unit - EPA	EPA	Boundary of Proposed Licence Activity	Jerome OSullivan
2004-238-01-003	A	A3	Waste Licence	3	Hard Copy-Courier	Licensing Unit - EPA	EPA	Drawing showing Site Ownership	Jerome OSullivan
2004-238-01-003	A	A3	Waste Licence	1	CD-Rom-Post	Licensing Unit - EPA	EPA	Drawing showing Site Ownership	Jerome OSullivan
AO-RWL_RPT-001	0	A4	Waste Licence	1	CD-Rom-Post	Licensing Unit - EPA	Environmental Protection Agency	Review of Waste Licence Application 145-1	Jerome OSullivan
AO-RWL_RPT-001	0	A4	Waste Licence	3	Hard Copy-Courier	Licensing Unit - EPA	Environmental Protection Agency	Review of Waste Licence Application 145-1	Jerome OSullivan

WASTE LICENCE REVIEW APPLICATION

FOR A

HAZARDOUS WASTE TRANSFER STATION

AT

RAFFEEN INDUSTRI AL ESTATE
RAFFEEN
MONKSTOWN
CO. CORK

Waste Licence Reg. No. 145-1

ORIGINAL

Prepared for:

Gleneden Trading Ltd.
Raffeen Industrial Estate
Raffeen
Monkstown
Co. Cork

Prepared by:

Fehily Timoney & Company
Core House
Pouladuff Road
Cork

FEHILY TIMONEY & COMPANY

November 2004

WASTE LICENCE REVIEW APPLICATION

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User is Responsible for Checking The Revision Status Of This Document

Rev. Nr.	Description of Changes	Prepared by:	Checked by:	Approved by:	Date:
0	Issue to Client	JO'S	JO'S.		12/11/04

Client: Atlas Environmental Ireland

Keywords: Waste licence review, Hazardous Waste Transfer Station, raw and ancillary materials, waste oils, hydrocarbons, emissions, monitoring

Abstract: The Client wishes to apply for a review of current waste licence. The nature of the new development comprises minor modifications to the existing hazardous waste management facility to allow for the accepting, holding and bulking of hazardous and non-hazardous wastes and onward shipment of such waste to other licensed recovery of disposal facilities. The development will not consist of the addition of any treatment process. All modifications will take place within the existing building and will involve a reduction of the site area.

TABLE OF CONTENTS

PAGE

LIST OF TABLES

PAGE

LIST OF APPENDICES

1. INTRODUCTION

Gleneden Trading Ltd., the applicant, formally notified the Agency in writing on the 6th August 2004 that it wished to apply for a review of its current waste licence (Reg. No. 145-1) to allow for the facility to broaden the scope of the hazardous waste types it can accept on site. A copy of the letter has been included in Appendix 1.

The applicant wishes to suspend its operation as a healthcare waste treatment facility and focus its business activities on the temporary storage and bulking up of hazardous waste before shipment of waste off-site to other licensed facilities for recovery/recycling or safe disposal. No waste will be treated on site.

Although the applicant will cease to treat healthcare waste on site they wish to retain the permission to store healthcare waste on site and if the markets become more favourable in the future possibly recommence treatment of such waste with Agency approval.

In order to pursue the establishment of a waste transfer station at the Raffeen site, the applicant intends to set up a partnership with Atlas Environmental Ireland. Atlas has a waste transfer station currently in operation in Portlaoise, Co. Laois. Atlas will manage the site's day-to-day activities. Gleneden Trading Ltd will remain the licence holder.

On the 29th September 2004 the applicant received a letter from the Agency specifying the precise information needed to be provided in order for its review application to be considered. This report provides the detail requested of Gleneden Trading Ltd by the Agency with regard to the review of the present Waste Licence (Reg. No. 145-1).

Article 5, 6, 7 (and 9) Compliance Requirements for Review of Waste Licence (Reg. No. 145-1)

a) Publish and fix a site notice as specified in Articles 5, 6 and 7 of the Regulations.

A site notice has been erected at the Gleneden Trading Ltd site at Unit 9 Raffeen Industrial Estate in compliance with Articles 5, 6, 7 of the Regulations.

b) Submit a notice to the Agency and the relevant planning authority in accordance with Article 9 of the Regulations.

A letter has been written to the Planning Department of Cork County Council giving them notice of the intention of Gleneden Trading Ltd to submit a review application for the Waste Licence (Reg. No. 145-1).

Article 12 Compliance requirements for review of Waste Licence (Reg. No. 145-1)

Agency Request Number 1 - *Provide information specified in Article 12(1) (a) to (u) of the regulations.*

As requested by the Agency, below is the information required under Article 12 (1) (a) to (u) of the Waste Management (Licensing) Regulations 2004.

- Article 12(1)(a) **Name, address, telephone/fax number of the applicant**

  (i) **the applicant:** Gleneden Trading Ltd

  Unit 9
  Raffeen Industrial Estate
  Raffeen
  Monkstown
  Co. Cork.

  Tel: (021) 4852477
  Fax: (021) 4852490

  (ii) **the operator:** Atlas Environmental Ireland Ltd

  Clonminam Industrial Estate
  Portlaoise
  Co. Laois

  Tel: (0502) 74747
  Fax: (0502) 74757

- Article 12(1)(b) ***Name & Address of the Relevant Planning Authority***

  Cork County Council
  The Planning Department
  Model Business Park
  Model Farm Road
  Bishopstown
  Cork.

- Article 12(1)(c) ***Relevant Sanitary Authority***

This section is non-applicable, as there will be no discharges of any trade effluent or other matter (other than domestic sewage or storm water) to a sewer of a sanitary authority.

- Article 12(1)(d) ***Location and the National Grid Reference of the Facility***

  Gleneden Trading Ltd
  Unit 9
  Raffeen Industrial Estate
  Raffeen
  Monkstown
  Co. Cork.

  Grid Ref. No.: E1749 N0646

- Article 12(1)(e) ***Nature of the Facility***

Gleneden Trading Ltd proposes to operate the facility as a Waste Transfer Station. The new proposed activities at the facility will entail accepting, holding and bulking up hazardous wastes and the onward shipment of the waste to licensed recycling/ recovery or disposal facilities.

The principal elements of the development will comprise:

- A main warehousing unit to be used for the receiving and storage of waste materials, including hazardous waste.
- A spillage storage area
- A tanker parking/inspection area
- Welfare facilities and ancillary offices
- Dispatch assembly area
- Car parking

The activities proposed on the site do not themselves lead to the production of wastes. Thus the majority of wastes generated at the site will be associated with the management of the activity (e.g. toner cartridges from printers, paper from office operations, cardboard from boxes etc). No new hazardous waste will be produced at the facility as a result of the facility's operation other than the wastes accepted by the facility.

The only waste that would possibly be treated on site would be healthcare waste for which Gleneden Trading Ltd currently holds a waste licence to treat.

- Article 12(1)(f) ***Classes of Activity***

The activities proposed for the site will comprise both waste disposal and waste recovery. The waste disposal activities proposed are the same as currently permitted on Waste Licence Reg. No. 145-1 and as listed in the Third Schedule of the Waste Management Acts 1996 to 2003 under Waste Disposal Activities as follows:

Class 7 Physio-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 12 Repackaging prior to submission prior to any activity referred to in the 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 was produced.

The waste recovery activities proposed are as listed in the Fourth Schedule of the Waste Management Acts 1996 to 2003 under Waste Recovery Activities as follows:

Class 13 Storage of waste intended for submission to any activity referred to in the preceding paragraphs of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.

The principal activity at the site will be Class 13 of the Fourth Schedule:

"Storage of waste 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".

- Article 12(1)(g) ***Quantity and Nature of Wastes***

The quantities and types of hazardous waste that the facility is ***currently*** licensed to treat can be divided into the following categories:

- 365 tonnes per year of used sharp instruments (e.g. syringes, needles and scalpel blades).
- 625 tonnes per year of infected or potentially infected healthcare risk waste. This is waste material likely to be contaminated by contact with patients infected with specific infections that could be transmitted to handlers.
- 240 tonnes per year of laboratory waste (e.g. cultures and clinical samples).
- 50 tonnes per year of dental waste - this shall only be accepted subject to the prior written agreement of the Agency.
- 320 tonnes per year of potentially offensive material, which is not, classified as infectious e.g. incontinence pads or nappies, etc. (healthcare non-risk waste).

In total Gleneden Trading Ltd is currently licensed to ***accept and treat 1,600 tonnes of clinical waste per year***.

The clinical waste stream falls within the hazardous waste category. Under the European Waste Catalogue and Hazardous Waste List, the waste that is licensed to be treated is classified as:

EWC:	180101
EWC:	180103
EWC:	180104

As already mentioned in the introduction of this report the applicant wishes to suspend the processing and treating of health care risk waste and to concentrate its business activities on the collection, storage, bulking up and off-site recovery/recycling or disposal of the hazardous wastes detailed below.

Table 1.1 shows the new waste types proposed to be accepted onto the Raffeen Facility and their corresponding maximum annual quantities.

Table 1.1: New proposed hazardous waste streams and their corresponding maximum annual quantities that shall be stored temporarily on-site

Hazardous Waste	European Waste Catalogue (EWC) Codes – EC 2000/532	Proposed Tonnes per year
Waste Oil/Hydrocarbons (including interceptor wastes and tank bottoms), solvents and other flammable liquids	12 01 06, 12 01 07, 12 01 08, 12 01 09, 12 01 10, 13 01 01, 13 0104, 13 01 05, 13 01 09, 13 01 10, 13 01 12, 13 01 13, 13 02 04, 13 02 05, 13 02 06, 13 02 07, 13 02 08, 13 03 01, 13 03 06, 13 03 07, 13 03 08, 13 03 09, 13 03 10, 13 04 01, 13 04 02, 13 04 03, 13 05 01, 13 05 02, 13 05 03, 13 05 06, 13 05 07, 13 05 08, 13 07 01, 13 07 02, 13 07 03, 13 08 01, 13 08 02, 13 08 99, 14 06 02, 14 06 03, 16 07 08, 19 13 07.	4,000
Used Oil filters, oily rags, greases and other flammable wastes	05 01 03, 05 01 05, 05 01 05, 05 01 17, 13 08 01, 13 08 99, 15 01 02, 15 01 10, 16 01 07, 16 08 09, 17 03 01, 17 03 02, 17 03 03, 17 05 03, 17 05 07 19 13 01, 19 13 03, 19 13 05 19 13 07	500
Drummed flammable liquids e.g. fixed fuels - diesel & petrol, paint thinners	07 05 01, 07 03 04, 11 01 13,11 01 14, 12 01 07, 12 01 08, 16 03 05	200
Fluorescent Tubes - for bulking and off-site transfer	20 01 21	10
Batteries - for bulking and off - site transfer	16 06 01, 16 06 02, 16 06 03, 16 06 04, 16 06 05, 16 06 06	240
Contaminated Soil	17 05 03, 17 05 05, 17 05 07 19 13 01, 19 13 03, 19 13 05, 19 13 07	50
Other specified wastes and other wastes to be agreed with the Agency	16 05 04, 16 05 05, 16 01 12, 16 01 13, 16 01 14, 16 01 15, 16 01 99, 09 01 01, 09 01 02 09 01 03, 09 01 04, 09 01 05, 09 01 06, 09 01 07, 09 01 08, 09 01 09, 09 01 10, 09 01 11, 09 01 12, 09 01 13, 09 01 99	200
Waste Cooking Oils	20 01 05	200
New Waste TOTAL (*)		**5,400**

(*)- these are in addition to the existing licensed waste types and volumes

Important Note: *Additional wastes (hazardous or non-hazardous) may be also handled or volumes interchanged between categories with prior agreement from the Agency.*

- Article 12(1)(h) ***Raw and Ancillary Materials***

The principal resources that will be used at the facility will be electricity, water and natural gas.

Site equipment and all lighting and office equipment will be run off the main electric supply. Three-phase electricity will be utilised and metered at the site.

The utilities and housekeeping will consume mains water. The water mains supply will also be metered.

Diesel will be stored in a bunded double-skinned tank as a fuel source for the site forklifts.

Table 1.2 is a list of other raw materials that will be stored and consumed on site during the carrying out of the activities of the Waste Transfer Station.

Table 1.2: List of raw material substances that will be used on site.

Material/Substance	Quantity Store on site	Annual Consumption
Pallets	30-50	200
Plastic IBC	60	200
Drums	40	100
Plastic Bags	200	400
Shrink Wrap	30 rolls	60 rolls
Industrial Cleaners	100 litres	200 litres
Fire Suppressants	To be determined	To be determined
Office Paper	500 kg	1,200 kg
Office Cardboard	100 kg	200 kg
Toner & print cartridges	10 kg	20 kg

Solid waste generated at the site will largely be restricted to office waste paper, cardboard and canteen waste. It is estimated that the quantity of this type of waste will not exceed 1.8 tonnes per annum. Approximately 85% of paper and cardboard waste will be recycled.

- Article 12(1)(l) ***Plant, Methods, Processes and Operating Procedures***

Plant (required *for the Existing Operation*)

The plant required for conducting **existing operations** (i.e. the treatment of healthcare waste) at the proposed facility consists of the following:

- Feed system
- Shredder
- Waste Conveyor system
- Heated Augers
- Hot oil heater
- Condensers
- Disinfected waste conveyor
- Air Filter
- Process control system
- Sharps shredder
- Enclosed compactor

As highlighted earlier in the introduction section of this report, all of the above (current) plant will be decommissioned and dismantled for off-site storage for possible reuse in the future. This will permit the applicant to gain more floor space for storage.

The plant required for conducting the **proposed operations** (i.e. handling, storage and off-site dispatch of waste oil materials) at the facility will consist of the following:

Plant *(required for the proposed operations)*

- SCADA Computer system with volume gauges
- Pressure washer
- Tank gauge
- Oil pump for loading/unloading waste oils
- Bunded tank farm containing 3 no. bulk-oil tanks
- 1 no. spillage retention tank
- 2 no. forklifts (diesel/gas)

Methods, Processes and Operating Procedures

Only properly labelled and authorised waste will be received at the facility. Healthcare waste will only be accepted at the plant from fully licensed and registered carriers. All authorised transport personnel will be fully trained in regulated waste oil management safety and compliance policies and will hold a HAZ-CHEM licence.

Deliveries of incoming waste will be scheduled to facilitate prompt unloading and storage of material. On arrival at the facility, the site personnel will direct vehicles for unloading into a dedicated inspection area. While at the facility all vehicles will come under the control of the site manager and be subject to his instructions. A C1 form (or other appropriate documentation) must accompany all consignments of waste. The details of the waste type listed on the C1 form must conform to the waste to be unloaded. Any irregularities in the preparation of the documents will be immediately reported to the Site Manager who will treat the matter as an official incident and immediately take appropriate corrective action.

Once the wastes have been cleared for acceptance they will be stored in an appropriate designated storage bay to await further shipment off-site in the case of all other hazardous waste taken in. Every drum, box and container etc. is given an individual barcode, which is clearly attached to two sides of the container. An "Incoming Waste Form" is then completed which records the drum number, the waste type, the drum type, the storage area, the UN number, the condition of the drums and if necessary the weight. If re-drumming is required this will be noted and recorded in the waste variation form. An Appendix contains standard operating procedures (SOPs) that detail the procedure for inspecting and accepting incoming packaged waste and waste oils.

The proposed unit operations to be conducted at this facility are as follows:

- tanker parking
- tanker loading and unloading
- bulking-up waste oil/hydrocarbons
- storage of wastes
- paper & cardboard baling

The tanker parking operation is essentially to provide secure bunded parking for tankers or containers. Bulking-up of wastes into larger volumes will also occur which will facilitate the economic onward dispatch/shipment of wastes.

Most waste accepted on site will be pre-packed and sealed and simply requires proper storage. In addition all waste-oil will be collected by tanker and will be stored in steel bulk tanks or IBCs. Drums are placed on pallets. The palletised drums or IBCs are transferred to bunded storage or the appropriate designated area. There will be seven bunded storage bays in total within the waste transfer station. These will be marked clearly with signage as CK1 to CK7. CK1 will be a dedicated quarantine area for non-conforming waste material. Each bay will be 4.5 m and 9.5 m long. All tank and drum storage areas, will be bunded locally and remotely to a volume not less than the greater of the following:

- 110% of the capacity of the largest tank or drum within the bunded area; or
- 25% of the total volume of the substance, which could be stored within the bunded area.

All wastes will be stored on the basis of their hazard class and on the ADR classes and rules of segregation. The waste tracking system will then be updated, so as to reflect the new waste accepted on-site.

All procedures generated and implemented will form part of the facility's integrated Environmental and Health & Safety Management Systems.

Procedures for waste acceptance and handling on site will include:

- Inspection of waste loads arriving at the facility
- Use of daily logs and recording information
- Documentation check for incoming loads
- Labelling loads/packages
- Stock control forms
- Bulking-up
- Waste Tracking System (Electronic)

Procedures for waste transport off-site will include:

- Records
- Movement of loads under TFS/C1 Notes/Transfer Notes
- Raising a tremcard/Dangerous goods note

- Article 12(1)(J) ***This section is in accordance with information sought by the Agency of the activities purposed by the licence review applicant in relation to the matters specified in paragraph (A) to (G) of Section 40(4) of the Act.***

In relation to paragraphs (a) to (g) of Section 40 (4) of the Waste Management Act, 1996, Gleneden Trading Limited wishes to highlight the following:-

(A) The potential emissions from the site include:

1. Noise
2. Dust
3. Odour
4. Surface/stormwater and
5. Sewage

1. Noise

Noise emissions may arise from operational plant equipment (e.g. fork-lifts and small pumps) and traffic to and from the site. However, the new activities will mean a decrease in plant relative to the current licensed plant.

As the proposed site is on the primary route from Cork to Ringaskiddy, additional traffic from the facility will not be an issue.

All transfer of waste operations onto and off the site will take place under enclosed conditions. Thus, operations at the facility will not have a significant impact on existing background noise levels.

A noise monitoring survey has been carried out previously to establish background noise levels at the site of the proposed waste treatment facility. The results of these noise impact studies were forwarded to the Agency in support of the original application for waste licence (Reg. No. 145-1).

2. Dust

Waste handling, bulking-up and storage will take place under the enclosed conditions.

Most solid waste arriving on site will be in pre-packed sealed drums or other containers and it is not envisaged that these waste consignments will be routinely re-packed unless the containers appear damaged etc. All external areas of the site will be hardstanding with the exception of landscaped areas.
The only other potential dust sources arise from traffic movements onto and off the site.

To minimize traffic movements access to the facility will be restricted to staff, delivery and dispatch vehicles, approved visitors, and approved site service vehicles.

The majority of vehicles arriving at the site are expected to be relatively small panel vans. Articulated vehicles will only deliver tanker and containers to the facility.

To minimise vehicle movements originating from the facility, the licensee will, where possible, ensure that all waste shipments off site are at maximum load capacity.

All of these measures will mitigate any potential environmental nuisance associated with dust

Dust monitoring will be carried out annually at the site by a suitably qualified scientist.

3. Odour

The waste received at the facility will not give rise to significant odours due to:

- The quick turnaround times for waste entering and leaving facilities
- The storage of compacted waste in sealed containers within the WTS building
- Minimal direct handling of materials (i.e. repackaging only necessary for poor quality containers and spills).

Odorous waste will only be accepted in sealed containers or packaging which are designed to contain the contents and odours arising, e.g. ASPs or IBCs. These containers will not be opened on site, only stored prior to transportation off site to approved recycling or disposal outlets.

4. Surface Water/Storm Water

There is no direct discharge to surface water. Surface water run-off from external yard pavement, landscaped areas and roof run-off is collected in the surface water drainage system and discharged to a percolation area to the west of the site. Surface/storm water emissions will arise during periods of precipitation only.

The waste to be handled on site will be transported to the site in fully enclosed or covered vehicles. The sorting and bulking of the waste will take place under cover and the material will be taken off site in covered vehicles. If an exterior spill occurs it is responded to promptly to prevent waste materials from entering the surface water system. Oil and paint spills are cleaned up with absorbent materials rather than hosing them into drains.

The tanker unloading bay will be covered and the waste storage bays will be separately bunded. Waste spillages collected in these areas will drain to dedicated sumps and be pumped to a holding tank for disposal off-site.

5. Sewage

In addition any wastes from drainage sumps, house-keeping and or spill cleaning will routinely be taken off-site for safe disposal.

(B) Potential environmental impact of the site's activities on the various environmental media

1. Air

As all waste will be encased in sealed drums or IBCs there will be no emission to the atmosphere. Also all unloading of waste will take place in-doors.

Dust arising from the proposed activities is not a threat to ambient air quality, as solid waste arriving on site will be in pre-packed sealed drums or other containers. It is not envisaged that these waste consignments will be routinely re-packed unless the containers appear damaged etc. All external areas of the site will be hardstanding with the exception of landscaped areas.

Odorous smells will not impact the air quality in the locality as any odours generated as a result of bulking activities will be minor and will be connected to a single emission point.

2. Climate

Activities at the proposed waste transfer station facility will not have an impact on regional or microclimate.

3. Cultural Heritage

The activities of the waste transfer station facility will be carried out in an existing industrial unit within an industrial estate and therefore will not impact on the cultural heritage of the area.

4. Ecology

The proposed development will not have an impact on the ecology of the site as all of the new proposed activities will be carried out indoors within the existing facility. The area has already undergone significant disturbance during the original development of the industrial estate.

5. Human Beings

The development and operation of this facility will have no impact on human beings, as it will be conducted within an existing industrial estate, which has been zoned for further industrial development.

6. Hydrogeology

The proposed facility will not impact on the geology or hydrogeology of the area. There will be no discharges to groundwater nor will groundwater be extracted during the operation of this facility. All areas within the waste storage building will be bunded. All outside areas of the site will be hardstanding.

7. Landscape

It is proposed to house the plant in an existing industrial unit. The use of the building for the proposed activities will not, in any way, alter the appearance of the building. Therefore there will be no impact of the landscape of the region.

8. Noise & Vibration Impacts

All loading/unloading of waste and bulking up of waste will take place within the facility.

The new proposed activities will only lead to a minor increase in traffic movements (2-4 more) to and from the site. The site is located adjacent to the N28 it presently experiences periodic high levels of vibrations from heavy vehicular traffic. Therefore, it is anticipated that the effects of these sources on the local environment will be minimal. Also, the proposed development will mean a decrease in plant equipment. The only noise emitting plant on-site will be small pumps and light fork-lifts.

9. Discharges to Surface Water

There will be no discharges to surface water.

10. Discharges to Sewer

All waste effluent arising from spill clean-ups, leakage or house-keeping duties will be drained to sumps and pumped to a retention tank which will be taken off-site periodically for treatment and safe disposal.

(C) The use of 'Best Available Technology (BAT) used to prevent/eliminate or reduce/limit/abate emission from activities carried out on site

The technology used at the facility will be state of the art technology for the waste industry. BAT will be demonstrated at the site by:

- All bulk tanks will be bunded
- Individual waste storage bays will be bunded
- Utilisation of sealed containers for storage and transportation of waste
- SCADA control of bulk tanks
- Electronic waste tracking system

(D) Applicant to demonstrate that he/she is a 'fit and proper person'.

Mr. Edward McNamara, Managing Director of Gleneden Trading Ltd, the applicant and holder of waste licence (Reg. No. 145-1), is a fit and proper person to hold a waste licence. He does not possess any convictions under the Waste Management Acts 1996 to 2003.

Under this proposal the Gleneden Training Ltd facility at Raffeen will be managed and operated by Atlas Environmental Ireland. Atlas Environmental Ireland Limited (formerly known as Atlas Oil) is one of Ireland's premier hazardous waste management companies and has been involved in the handling and processing of hazardous waste since the mid 1970s. Atlas currently operates licensed hazardous waste management premises in Portlaoise (WML Ref 184-1) and Drumaness (Northern Ireland). These facilities deal largely with waste oils and hydrocarbons, oil filters, batteries, oily wastes, contaminated soil and a number of other smaller waste materials.

Atlas Environmental Ireland is a subsidiary company of the DCC Group.

A letter from DCC stating their intention to fully support financially the new operation proposed for the Raffeen site will be submitted with this report.

Neither Atlas Environmental Ireland nor any of its management staff possess any convictions under the Waste Management Acts.1996 to 2003.

An attachment of the management structure showing staff detail, experience, duties and responsibilities will be included with the submission of this report.

(E) Applicant to demonstrate compliance with any requirements under Section 53 of the Act

Atlas Environmental is a company owned by the DCC Group. DCC is a public limited company headquartered in Ireland employing approximately 3,800 people. DCC has achieved compound growth in earnings per share of 17.3% over the last ten years. DCC has pledged to financially back the proposal to establish a Waste Transfer Station at the Raffeen Site and will provide the necessary financial resources to ensure that the proposed activities will not effect the environment. DCC will also ensure that any remediation work or aftercare work that is required will implemented so, as the environment will not be effected.

A letter from DCC stating their intention to fully support financially the new operation proposed for the Raffeen site will be submitted with this report.

(F) Applicant to demonstrate that energy will be used efficiently in the carrying out of the proposed activities.

As there will be no treatment process in operation at the site there will not be direct consumption of energy by the site's activities. The only energy that will be used will be to power computers, a weigh scales, an oil pump, fork-lifts and the electrical mains to keep the site offices and store facilities lit up during operational hours. Gas heating will also be consumed in heating site accommodation. To ensure heat energy is used efficiently the offices will be properly insulated. On-site vehicle movements will be kept to a minimum and vehicle engines will be turned off when not in use.

(G) Applicant to demonstrate that any noise from the activity concerned will comply with, or will not result in the contravention of, any regulations under Section 106 of the Act of 1992.

With respect to the new proposed Waste Transfer Station development at the Raffeen site, all operations/activities will be conducted within the main existing building and therefore will make no significant impact on the local environment.

Fehily Timoney & Co (FTC) on behalf of Gleneden Trading Ltd conducted a noise survey study as part of additional information required by the Agency to support Gleneden Trading Ltd original waste licence application.

During this survey the dominant source of noise at the selected noise sensitive location was the traffic on the N28 Cork - Ringaskiddy road to the east of the site. Annual Average Daily Traffic (AADT) for the N28 is 6,713 vehicles, with 1,275 of these (19%) representing heavy goods vehicles (HGVs).

- Article 12(1)(k) ***Emissions Arising***

- **Noise:** Noise emissions may arise from operational plant and traffic to and from the site. However, all transfer of waste operations onto and off the site will take place under enclosed conditions. Thus, operations at the facility will not have a significant impact on existing background noise levels.

- **Dust:** The core activities of Waste handling, bulking-up and storage will take place under the enclosed conditions and will not lead to substantial dust emissions that are likely to cause an environmental nuisance.

- **Odour:** The waste received at the facility will not give rise to significant odours due to the quick turnaround for waste entering/leaving the site and due to the fact that all waste will be sealed in drums, tanks or other appropriate containers.

  - **Surface water/Storm water:** There is no direct discharge to surface water. Surface water run-off from external yard pavement, landscaped areas and roof run-off is collected in the surface water drainage system. Surface/storm water emissions will arise during periods of precipitation only.

  - **Sewage:** In addition any wastes from drainage sumps, housekeeping and or spill cleaning will routinely be taken off-site for safe disposal.

- Article 12(1)(L) ***Effects of Emissions on the Environment***

1. Air

As all waste will be encased in sealed drums or IBCs there will be no emission to the atmosphere. Also all unloading of waste will take place in-doors.

Dust emissions arising from the proposed activities will be minor and not be a threat to ambient air quality. All solid waste arriving on site will be in pre-packed sealed drums or other containers. It is not envisaged that waste consignments will be routinely re-packed on-site unless the containers appear damaged etc. All external areas of the site will be hardstanding.

Odorous smells will not impact the air quality in the locality due to the quick turnaround for waste entering/leaving the site and due to the fact that all waste will be sealed in drums, tanks or other appropriate containers. In general the bulk of material handled will have a high flashpoint (low vapour) thus air emissions will be negligible.

2. *Climate*

Activities at the proposed waste transfer station facility will not have an impact on regional or microclimate. There are no activities proposed that will diversely effect the local climate in any way.

3. *Cultural Heritage*

The activities of the waste transfer station facility will be carried out within an existing industrial unit within an existing industrial estate area and therefore will not impact on the cultural heritage of the area.

4. *Ecology*

The proposed development will not have an impact on the ecology of the site as the licensee will carry out the new proposed activities within an existing facility. Any specified engineering works that will be necessary will be carried out within the waste transfer building. The area has already undergone significant disturbance during the original development of the industrial estate.

5. *Human Beings*

The development and operation of this facility will have no impact on human beings, as it will be conducted within an existing industrial estate, which has been zoned for further industrial development.

6. *Hydrogeology*

The proposed facility will not impact on the geology or hydrogeology of the area. There will be no direct discharges to groundwater nor will groundwater be extracted during the operation of this facility.

7. *Landscape*

It is proposed to house the plant in an existing industrial unit. The use of the building for the proposed activities will not, in any way, alter the exterior appearance of the building. Therefore there will be no impact of the landscape of the region.

8. *Noise & Vibration Impacts*

All loading/unloading of waste and bulking up of waste will take place within the facility. There will be no significant impact on the local environment. The minor increase in traffic will cause no measurable increase in noise vibration.

9. *Discharges to Surface Water*

There will be no discharges to surface water.

10. Discharges to Sewer

All waste effluent arising from spill clean-ups, leakage or house-keeping duties will be drained to sumps and pumped to a holding tank which will be taken off-site periodically for treatment.

- Article 12(1)(m) ***Monitoring of Emissions***

Dust

Dust arising from the proposed activities is not deemed to be a threat to ambient air quality. However, dust monitoring (deposition and TSP) will be carried out on an annual basis outside the main doors of the facility. A suitably qualified scientist will carry out dust monitoring on an annual basis and/or as deemed necessary. Following completion of the annual dust monitoring investigations, a report will be forwarded to the EPA outlining the results.

Odours

Atlas operates a similar but larger facility at Portlaoise and have not had complaints regarding odour nuisances. However the applicant will design a monitoring programme in compliance with EPA standards.

Ecological

There are no plans to carry out a programme of ecological monitoring.

Groundwater

As there are no direct discharges to groundwater and the area within the transfer building will be bunded there are no plans to carry out a programme of groundwater monitoring. There is unlikely to be any indirect discharge to groundwater as any accidental chemical spillage will be contained on site and treated immediately.

The applicant will install ground water monitoring wells in proximity to the site if the Agency feels that this is a necessary step to ensure that the safeguards put in place by the applicant are working to prevent groundwater/aquifer pollution.

Meteorological

There are no proposals to carry out routine meteorological monitoring.

Noise

Noise monitoring will be carried out on an annual basis once the facility has commenced operation. The location or number of the monitoring sites has yet to be confirmed. Noise measurements will be carried out by a suitably qualified scientist in accordance with the EPA Guidelines on noise monitoring.

Sewer Emissions

There will be no sewer emission from the proposed plant and therefore a monitoring programme is not required.

Surface Water

There will be no discharge from the site to nearby surface waters and therefore monitoring of this parameter is not proposed.

- Article 12(1)(N) ***Prevention, Minimisation & Recovery of Waste Arisings***

The activities proposed on the site do not themselves lead to the production of wastes. Thus the majority of wastes generated at the site will be associated with the management of the activity (e.g. toner cartridges from printers, paper from office operations, cardboard from boxes etc) and canteen waste. Approximately 85% of paper and cardboard waste will be recycled. No new hazardous waste will be produced at the facility as a result of the facility's operation other than the wastes accepted by the facility.

Any liquid wastes due to spillages, house-keeping or leakages will be contained in bunded areas and will drain to sumps which will be connected to a pipe network that will lead to a spillage retention tank. When this tank is full its contents will be taken off site for treatment and disposal.

- Article 12(1)(O) ***Off-site treatment or disposal of waste***

The licensee will ensure that all other wastes types accepted on-site will be dispatched off-site to fully licensed recovery, recycling or disposal facilities. Table 1.3 shows intended destinations of waste leaving the facility.

Table 1.3: Lists of some of the licensed off-site disposal facilities to be used.

Name of Company	Address of Facility	Proposed Waste Types
Atlas Environmental Ireland Limited	Clonminam Industrial Estate, Portlaoise, Co. Laois	Waste oils/hydrocarbons (including interceptor wastes and tank bottoms), solvents and other flammable liquids. Used oil filters, oily rags and other solid wastes. Aerosols, brake fluids, antifreeze, windscreen washer fluid, sludges, drummed solvents/flammable liquids, fluorescent tubes, batteries and contaminated soils
Shannon Environmental Services	Smithstown Industrial Estate, Shannon, Co. Clare	All waste listed in Table E2.2 excluding any potentially infectious material
HJ Enthoven & Sons	Darley Dale Smelter, South Darley, Matlock, Derbyshire DE4 2LP, United Kingdom	Lead Acid Batteries
Sterile Technologies Ireland (STI)	430 Beech Road Western Industrial Estate Naas Road, Dublin 12	Hazardous clinical waste treatment

Note: Or other facilities as agreed in advance with the Agency

- Article 12(1)(P) ***Unauthorised or unexpected emissions***

Due to the nature of the facility, the risk of unauthorised or unexpected emissions is predominantly from accidental leakages or spillage. In the unlikely event of such an emission, the site supervisor will ensure that;

- The spill or leak is contained and cleaned up immediately
- The incident is recorded
- The EPA is notified immediately of any uncontained spillages.

To reduce such risk design features such as shut-valves, bunds and a spillage retention tank, will be incorporated into the plant design. Absorbent material will be used to clean up spillages. A spillage of greater than 100 litres of liquid will be treated as an emergency. A set of comprehensive emergency response procedures will be developed for the facility. These procedures will ensure that all abnormal emissions will be adequately controlled so as to avoid an impact on the surrounding environment.

- Article 12(1)(q) ***Closure and Restoration***

If successful in this review application the applicant will immediately set out to decommission the plant associated with the healthcare waste treatment.

The Heat Disinfection System (HDS) process unit is constructed in modular form. It consists of four main components. The heaviest component of plant is the heat disinfecting unit which weighs approximately 15 tonnes. This and other components can easily be moved using lightweight lifting equipment and cranes. Normal clean down procedures will then be employed. All work will be carried out in accordance with the accompanying health and safety policy.

There will be no environmental impacts on the site from decommissioning as all components of the HDS will be removed and safely stored off-site.

Funding for decommissioning will be incurred by the licensee.

When the waste treatment facility is decommissioned there will be no residual environmental matters requiring monitoring or a special aftercare management plan.

With respect to the proposed operation, there are no plans or a timeframe set for the decommissioning of the proposed waste transfer station. The applicant will provide the Agency with at least 6 months written notice of their intention to close the facility.

Detailed arrangements for decommissioning of the proposed waste transfer station will be agreed with the Agency prior to instigation.

All waste remaining at the facility will be removed off-site to the appropriate recovery/recycling/disposal facilities.

All services (electricity, gas, water) will be disconnected, if required. All office equipment and furnishings will be removed off-site for reuse, recovery, recycling or disposal. All records will be stored at an appropriate facility.

Once the site has been decommissioned, there will be no emissions of any kind to soil, air or water. Effectively, an empty warehouse, parking bay, stores and ancillary offices will remain. A comprehensive closure and restoration plan for the site will be drawn up in due course and will include details of post-closure monitoring.

- Article 12(1)(r) ***Landfilling of waste***

This particular sub article is not applicable to this application review application.

- Article 12(1)(s) ***European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations 2000 (S.I. No. 476 of 2000)***

The HSA was consulted and based on the quantities to be stored on site at any one time the European Communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulations 2000 do not apply to this proposed waste transfer station facility.

- Article 12(1)(t) ***Aquifer pollution with emission containing List I & II substances specified in the Annex to Council Directive 80/68/EEC***

One of the activities proposed by the applicant will involve the temporary on-site storage of 4,000 tonnes per year of waste oils and hydrocarbons. At any one time, however, no more than 350 tonnes of waste will be stored on-site in bunded areas within the WTS building.

The activities at the waste transfer station will not have an impact on the groundwater of the area. Waste will be stored in-doors in sealed containers in specially designed bunded storage bays. All external areas within the site will be hardstanding.

There will be no direct discharge to ground water. There is unlikely to be any indirect discharge to groundwater as any accidental chemical spillage will be contained on site and treated immediately.

The applicant will install ground water monitoring wells in proximity to the site if the Agency feels that this is a necessary step to ensure that the safeguards put in by the applicant are working to prevent groundwater/aquifer pollution.

- Article 12(1)(u) ***Non-Technical Summary***

A Non-technical summary report on Articles 12 (1) (a) – (t) of the Regulations will be enclosed with this application.

Agency Request Number 2 - ***Provide a revised "Site Plan" which shows the extent of the entire facility outlined in RED***

A revised 'Site Boundary' (Drawing No. 2004-238-01-002-Rev A) and 'Site Ownership' (Drawing No. 2004-238-01-003-Rev A) have been included with this application.

Agency Request Number 3 - ***The class or classes of activity concerned, in accordance with the Third and Fourth Schedule of the Waste Management Act, and provide a summary description of each of the classes of activity applied for.***

The facility requires a review of licence to carry out the following waste management activities under the Third and Fourth schedules of the Waste Management Acts 1996 to 2003

The principal activity is as defined under Class 13 of the Fourth Schedule.

Third Schedule - Waste Disposal Activities

Class 7: Physio-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).

Extra activities on site will include bulking-up and repackaging of hazardous and non-hazardous waste materials including waste oils/hydrocarbons, waste and metals, plastics, card and paper.

Class 12: Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.

Damaged or inappropriate packaging will be repackaged prior to onward shipment.

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.

Storage of waste accepted at the facility to allow for the preparation of appropriate documentation and to facilitate economic onward shipment.

Tankers/containers may park overnight at the bunded tanker parking facility.

Fourth Schedule - Waste Recovery Activities

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 refers to the storage of hazardous and non-hazardous wastes received at the facility prior to recovery/recycling at an alternative appropriate facility. This is the principal activity.

The principal activity is Class 13 of the Fourth Schedule.

Agency Request Number 4 - ***Describe the plant, methods and operating procedures for the proposed new activities***

Gleneden Trading Ltd in partnership with Atlas Environmental Ireland proposes to develop a hazardous waste transfer station at Unit 9 in the Raffeen Industrial Estate. Atlas will fully manage the running of all waste operations on the site.

The entire facility will comprise a transfer station, bunded tanker parking area, hazardous chemical storage and an office building. The proposed waste intake for this transfer station is 7,000 tonnes per annum.

The licensee intends to suspend operation of its Heat Disinfection Unit (HDU) for the treatment of hazardous clinical waste if the Agency grants approval of this licence review. All components of the **existing plant** (i.e. plant and equipment associated with the treatment of healthcare waste) will be decommissioned and dismantled correctly and placed in off-site storage.

Existing Plant

The plant required for conducting **existing operations** (i.e. the treatment of healthcare waste) at the proposed facility consists of the following:

- Feed system
- Shredder
- Waste Conveyor system
- Heated Augers
- Hot oil heater
- Condensers
- Disinfected waste conveyor
- Air Filter
- Process control system
- Sharps shredder
- Enclosed compactor

All of the above plant will be decommissioned and dismantled for off-site storage for the foreseeable future. This will permit the applicant to gain more floor space for storage.

The entire facility is proposed to comprise a transfer station, bunded tanker unloading area, bulk waste oil storage area, hazardous chemical storage, a spillage storage tank and an office building. The proposed waste intake for this transfer station is 7,000 tonnes per annum.

The plant required for conducting **proposed operations** (i.e. handling, storage and off-site dispatch of waste oil materials) at the facility will consist of the following:

Proposed Plant

- SCADA Computer system with volume gauges
- Pressure washer
- Tank gauge
- Oil pump for loading/unloading waste oils
- Spill retention tank
- Tank farm containing three bulk tanks
- Forklifts (diesel/gas)

Methods, Processes and Operating Procedures

Only properly labelled and authorised waste will be received at the facility. Healthcare waste will only be accepted at the plant from fully licenced and registered carriers. All authorised transport personnel will be fully trained in regulated waste oil management safety and compliance policies and will hold a HAZ-CHEM licence.

Deliveries of incoming waste will be scheduled to facilitate prompt unloading and storage of material. On arrival at the facility, the site supervisor will direct vehicles for unloading into a dedicated inspection area. While at the facility all vehicles will come under the control of the site supervisor and be subject to his instructions. A C1 form (or other appropriate documentation) must accompany all consignments of waste. The details of the waste type listed on the C1 form must conform to the waste to be unloaded. Any irregularities in the preparation of the documents will be immediately reported to the Site Manager who will treat the matter as an official incident and immediately take appropriate corrective action.

Once the wastes have been cleared for acceptance they will be stored in an appropriate designated storage bay to await further shipment off-site in the case of all other hazardous waste taken in. Every drum, box and container etc. is given an individual barcode, which is clearly attached to two sides of the container. An "Incoming Waste Form" is then completed which records the drum number, the waste type, the drum type, the storage area, the UN number, the condition of the drums and if necessary the weight. If re-drumming is required this will be noted and recorded in the waste variation form. All such information is recorded electronically as part of the barcoding and waste tracking system which tracks the waste on arrival at the site until final recovery/disposal.

No hazardous waste treatment will be conducted on site and no additional hazardous waste will be produced as a result of the facility's operation other than the waste accepted by the facility.

The proposed unit operations to be conducted at this facility are as follows:

- tanker inspection area
- bulking-up of road tankers
- hazardous chemical storage
- paper & cardboard baling
- storage prior to dispatch off-site

Tanker Inspection

When the tanker arrives on site the driver will be directed to the inspection area. Documentation will be checked and verified. Detailed visual inspection will be conducted while the tanker is parked in the bunded storage area within the waste transfer building.

The arrival of the tanker will be recorded and all administration documentation inspected and cross-checked with the cargo. A tanker bay will be provided located adjacent to the hazardous chemical storage area.

Bulking-up of road tankers

It is proposed to bulk-up liquids into road tankers on site. Tankers will reverse into the loading bay (adjacent to the tank farm) for loading to commence. Loading will occur by means of a top loading whereby the waste oil/hydrocarbon liquids are pumped by an intrinsically safe pump into the tanker. A dead man system operates whereby the pumping is only continued while a button is continually pressed. This forces the operators to continually observe the loading process and prevent over filling. Any spillages would be contained as the pipework and tanker manifold are all located within a contained bunded area.

Hazardous Chemical Storage

Site personnel in accordance with procedures (SOPs Nos. 21, 32 and 75 as per Appendix 2) will check all bulk shipments and individual loads delivered on site. A visual inspection of the load will be carried out to ensure there is no leaks/damage to the consignment. The consignment will then be directed to the waste transfer station where waste will be unloaded and inspected to confirm the accuracy of the documentation and determine the appropriate storage area.

Containers of hazardous waste may be bulked up in the designated repackaging/bulking-up area. This compartment will be bunded. Bulking-up will be strictly controlled and tracked.

Contaminated packaging remaining from the bulking up process will be shredded/crushed and drummed. The drums will be placed in the appropriate storage area while the relevant documents are prepared for off site removal.

Paper and Cardboard Process

Paper/cardboard will only be accepted at the facility from pre-approved customers. Preprocessed material such as shredded and/or bailed paper/cardboard will also be accepted.

Deliveries of paper/cardboard will be recorded and inspected by site personnel. Suspect material will be rejected or quarantined. Paper/cardboard will be baled. Baled waste will then be stored prior to off site removal.

Storage

The majority of the waste that will be accepted in at the Gleneden Trading Facility at Raffeen will simply require storage prior to dispatch off site. For example waste accepted in drums or in IBCs or ASPs. All waste on site will be stored in the appropriate storage areas.

Waste-oils will be collected by tanker and will be stored in steel bulk tanks or IBCs. Drums are placed on pallets. The palletised drums or IBCs are transferred to bunded storage or the appropriate designated area. All wastes are stored on the basis of their hazard class and based on the ADR classes and rules of segregation. The waste tracking system will then be updated, so as to reflect the new waste accepted on-site.

The locations of all the aforementioned storage locations within the waste transfer building are shown in Drawing No. 2004-238-01-001-Rev A titled 'Internal Layout of the Raffen site at Raffeen Industrial Estate'. However, it may be necessary to reconfigure within the warehouse the location of some designated areas. Agency approval will be sought prior to any changes to sight lay-out.

Procedures for waste acceptance and handling on site will include:

- Inspection of waste loads arriving at the facility
- Use of daily logs and recording information
- Documentation check for incoming loads
- Labelling loads/packages
- Stock control forms
- Bulking-up areas
- Waste Tracking System (Electronic)

Procedures for waste transport off-site will include:

- Records
- Movement of loads under TFS/C1 Notes/Transfer Notes
- Raising a tremcard/Dangerous goods note

Agency Request Number 5 ***In relation to the new activities, provide details on the emissions and an assessment of the impact of these emissions.***

As all of the newly proposed activities take place within the confines of the Waste Transfer building and all packaged waste accepted on site will be in sealed drums or IBCs it is unlikely that there will be any emissions that will have a deleterious affect on the environment. All waste will be stored in dedicated storage bays that will be bunded and serviced by sumps that will be connected via a series of pipes to a spillage retention tank. This section has already been dealt with in detail above.

- Impact on Air

As all waste will be encased in sealed drums or IBCs there will be no emission to the atmosphere. Also all unloading of waste will take place in-doors. Fugitive air emissions arising from bulking up activities and repackaging will be vented to the atmosphere. Also the majority of waste oils accepted on site will be of a high-flashpoint (low vapour) nature.

Dust arising from the proposed activities is not a threat to ambient air quality, as solid waste arriving on site will be in pre-packed sealed drums or other containers. It is not envisaged that waste consignments will be routinely re-packed unless the containers appear damaged etc. All external areas of the site will be hardstanding with the exception of landscaped areas.

The waste received at the facility will not give rise to significant odours due to:

- The quick turnaround times for waste entering and leaving facilities
- The storage of compacted waste in sealed containers within the WTS building
- Minimal direct handling of materials (i.e. repackaging only necessary for poor quality containers and spills).

Odorous waste will only be accepted in sealed containers or packaging which are designed to contain the contents and odours arising, e.g. ASPs or IBCs. These containers will not be opened on site, only stored prior to transportation off site to approved recycling or disposal outlets.

- Impact on Climate

Activities at the proposed waste transfer station facility will not have an impact on regional or microclimate. There are no activities proposed that will diversely effect the local climate in any way.

- Impact on Cultural Heritage

The activities of the waste transfer station facility will be carried out in an existing industrial unit within an existing industrial estate and therefore will not impact on the cultural heritage of the area.

- Impact on Ecology

The proposed development will not have an impact on the ecology of the site as the new activities will take place in an existing facility. Any specified engineering works that will be necessary will be carried out with the waste transfer building. The area has already undergone significant disturbance during the original development of the industrial estate.

- Impact on Human Beings

The development and operation of this facility will have no impact on human beings, as it will be conducted within an existing industrial estate, which has been zoned for further industrial development.

- Impact on Hydrogeology

The proposed facility will not impact on the geology or hydrogeology of the area. There will be no direct discharges to groundwater nor will groundwater be extracted during the operation of this facility.

- Impact on Landscape

It is proposed to house the plant in an existing industrial unit. The use of the building for the proposed activities will not, in any way, alter the external appearance of the building. Therefore there will be no impact of the landscape of the region.

- Noise & Vibration Impacts

All loading/unloading of waste and bulking up of waste will take place within the facility.

The new proposed activities will only lead to a minor increase in traffic movements (2-4 more) to and from the site. The site is located adjacent to the N28 it presently experiences periodic high levels of vibrations from heavy vehicular traffic. Therefore, it is anticipated that the effects of these sources on the local environment will be minimal. Also, the proposed development will mean a decrease in plant equipment. The only noise emitting plant on-site will be small pumps and light fork-lifts.

Discharges to Surface Water

There will be no discharges to surface water.

Discharges to Sewer

All waste effluent arising from spill clean-ups, leakage or housekeeping duties will be drained to sumps and pumped to a holding tank, which will be taken off-site periodically for treatment.

<u>Agency Request Number 6</u> - *Describe any proposed arrangements for off-site treatment or disposal of waste from the proposed new activities and processes.*

The licensee has sourced licensed facilities that will accept bulked waste from our site.

The specific details of these companies are given in Table 1.1 above.

Agency Request Number 7 - ***Provide details to indicate that you are in a position to meet any financial commitments or liabilities incurred by carrying on the activities relating to this review application.***

Atlas Environmental is a company owned by the DCC Group. DCC is a public limited company headquartered in Ireland employing approximately 3,800 people. DCC has achieved compound growth in earnings per share of 17.3% over the last ten years. DCC has pledged to financially back the proposal to establish a Waste Transfer Station at the Raffeen Site and will provide the necessary financial resources to ensure that the proposed activities will not effect the environment. DCC will also ensure that any remediation work or aftercare work that is required will implemented so, as the environment will not be effected.

A letter from DCC stating their intention to fully support financially the new operation proposed for the Raffeen site will be submitted with this application.

Agency Request Number 8 - ***Provide estimates of the maximum quantity of the various waste types to be accepted at your facility any one time and the infrastructure in place to manage these wastes in a safe manner. Describe the normal and maximum quantity of treated and untreated waste that will be stored at your facility at any one. Outline any assumptions made.***

The maximum capacity of waste that can be accepted housed at the facility at any one time is 450 tonnes. This is the maximum figure for the complete filling to capacity of six bunded waste storing bays, the quarantine bay and three bunded oil tanks in the tank farm. However it is proposed that the maximum quantity of waste that will reside at the facility at any one time will not exceed 350 tonnes.

Maximum daily acceptance capacity for waste oils/hydrocarbons would be approximately 60 tonnes and approximately 50 tonnes for 'other' packaged waste.

However actual daily acceptance would be expected to average out much lower that these maximum rates - approximately 55 tonnes combined

Agency Request Number 9 - ***Provide an estimate of the expected and the maximum quantity of waste types to be accepted at the Transfer Station in one calendar year.***

As the proposed site activities have not yet commenced it is currently not possible to estimate with accuracy the expected quantities of waste types that will be accepted at the Waste Transfer Station in one calendar year. Below is an estimate of maximum quantity of waste types to be accepted at the Transfer Station in one calendar year.

At present the applicant is licenced (Waste Licence 145-1) to treat both hazardous and non-hazardous healthcare waste. As already noted above the licensee now wishes to cease acceptance of all clinical waste but retain the permission to accept such waste in the future should markets become more favourable.

The hazardous waste that the facility is ***currently*** licensed to treat can be divided into the following categories:

- 365 tonnes per year of used sharp instruments (e.g. syringes, needles and scalpel blades).
- 625 tonnes per year of infected or potentially infected healthcare risk waste. This is waste material likely to be contaminated by contact with patients infected with specific infections that could be transmitted to handlers.
- 240 tonnes per year of laboratory waste (e.g. cultures and clinical samples).
- 50 tonnes per year of dental waste - this shall only be accepted subject to the prior written agreement of the Agency.

- 320 tonnes per year of potentially offensive material, which is not, classified as infectious e.g. incontinence pads or nappies, etc. (healthcare non-risk waste).

In total Gleneden Trading Ltd is currently licensed to ***accept and treat 1,600 tonnes of clinical waste per year.***

The clinical waste stream falls within the hazardous waste category. Under the European Waste Catalogue and Hazardous Waste List, the waste that is licensed to be treated is classified as:

EWC:	180101
EWC:	180103
EWC:	180104

As already mentioned in the introduction of this report the licensee wishes to suspend the processing and treating of healthcare risk waste and to concentrate its business activities on the collection, storage, bulking up and off-site recovery/recycling or disposal of the hazardous wastes detailed below.

Table 1.1 above shows the new waste types proposed to be accepted onto the Raffeen Facility and their corresponding maximum annual quantities.

Agency Request Number 10 - ***Describe the storage and bunding arrangements for each type of hazardous material proposed to be accepted at the facility. In your reply provide details on the compatibility of the various waste materials proposed to be accepted at the facility.***

There will be seven bunded storage bays in total within the Waste Transfer Station. These will be marked clearly with signage as CK 1 to CK7. CK 1 will be a dedicated quarantine area for non-conforming waste material. Each bay will be 4.5 m wide and 9.5 m long. All seven bays will be in parallel to each other and will be divided from each other by a separation wall. The entrance to each bay will be ramped. The ramp height will be approximately 300 mm in height. Each bay will have a corner sump which will allow excess solvent/effluent to drain and be pumped to a central holding/retention tank. All tank and drum storage areas will, be bunded locally and to a volume not less than the greater of the following:

- 110% of the capacity of the largest tank or drum within the bunded area; or
- 25% of the total volume of the substance, which could be stored within the bunded area.

All drainage from bunded areas will be diverted for collection in a retention tank and periodically taken off site for treatment/disposal.

All drummed/packaged waste will be stored on the basis of their hazard class and on the ADR classes and rules of segregation. A SOP No. 75 is in place to deal with 'incoming packaged waste'. (See Appendix 2).

Site operators will segregate incoming waste into one of the following storage categories and store the waste in the appropriate bunded storage bay:

Storage Area	Class of Wastes
Bund CK1	Quarantined wastes
Bund CK 2	Class 8 (corrosives – acidic) Batteries
	Non-regulated eg cooking oil,
Bund CK 3	Class 8 (Corrosive – Alkaline) -Photographic,
	Non-regulated eg Fluorescent Tubes,
Bund CK 4	Non regulated – Fluorescent Tubes, antifreeze, waste lubricating oils (non-flammable), Brake fluid, Windscreen Washer fluid;
	Class 2 (gases/aerosols)
Bund CK5	Class 7 - Healthcare Wastes –refrigeration facilities will be provided in this location
Bund CK 6	Class 4.1 Solid Oily Waste
	Non regulated - Used Oil filters,
Bund CK 7	Class 3 Flammable liquids eg Mixed fuels, paint thinners etc
	Class 4.1 Solid Oily Waste
	Non Regulated – Used oil filters

Note: Non -regulated relates to ADR/IMDG code for transportation where segregation rules are derived from.

Inspection approved bulk oil is pumped to a tank with sufficient capacity as deemed. Alternatively the unloading may take place into IBCs particularly if the material is being quarantined or is not suitable for recovery.

During unloading the truck must be parked so as to locate the unloading valve of the truck within the bunded area. The driver must stay with his truck while the truck is pumping off until the tanker is empty and all valves and hoses closed or disconnected as appropriate. Spill trays and buckets used during the transfer are to be emptied and cleaned of oil. The area is to be maintained free of litter, equipment etc. SOP No. 40 has been drafted that deals with the unloading and storage of waste oils (Appendix 2).

Agency Request Number 11 - ***Identify any new monitoring and sampling points and arrangements for monitoring.***

The exact location of the monitoring points will be identified and sent to the Agency before commencement of normal operations of the proposed activity.

Dust arising from the proposed activities is not deemed to be a threat to ambient air quality. However, dust monitoring (deposition and TSP) will be carried out on an annual basis outside the main doors of the facility. A suitably qualified scientist will carry out dust monitoring on an annual basis and/or as deemed necessary. Following completion of the annual dust monitoring investigations, a report will be forwarded to the EPA outlining the results.

There have been no complaints from the general public during the Portlaoise plants operation concerning odours. Odour monitoring will be conducted annually once the plant is open.

As there are no direct discharges to groundwater and the area within the transfer building will be bunded there are no plans to carry out a programme of groundwater monitoring.

The licensee will install an adequate number of ground water monitoring wells in proximity to the site if the Agency feels that this is a necessary step to ensure that the safeguards put in place.

Noise monitoring will be carried out on an annual basis once the facility has commenced operation. The location or number of the monitoring sites has yet to be confirmed. Noise measurements will be carried out by a suitably qualified scientist with the EPA Guidelines on noise monitoring.

There will be no sewer emission from the proposed plant and therefore a sewer monitoring programme will not be required.

There will be no discharge from the site to nearby surface waters and therefore a surface water-monitoring schedule is not proposed.

Agency Request Number 12 - *Provide a non-technical summary of the revised application.*

A non-technical summary has been submitted with this application in accordance with Article 12 (1) (u) of the Regulations.

Agency Request Number 13 - *State the grounds on which the review is made in accordance with Article 12(3) (a) of the Regulations.*

(i) State the grounds on which it is made

The grounds on which this application is being made is that the licensee, Gleneden Trading Ltd., wishes to seek approval from the Agency to increase the scope of the existing licence (Reg. No. 145-1) to include the disposal activity Class 13 of the Fourth Schedule of the Waste Management Acts 1996 to 2003.

Class 13 Storage of waste intended for submission to any activity referred to in the preceding paragraphs of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.

The principal activity at the site will be Class 13 of the Fourth Schedule:

Storage of waste 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.

(ii) Specify the reference number given to the relevant licence in the register, and

The reference number given to the relevant licence in the register is 145-1

(iii) Include the information specified in sub-article (1) of the Regulations and such plans, documents and particulars as are specified under sub-article (4) to the extent and in such a manner as may be specified in writing by the Agency

All such information such as plans, documents and particulars will be included with this application.

Agency Request Number 14 - *Provide the information to accompany the application as specified in Article 12 (4) of the Regulations.*

An application shall be accompanied by -

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

A copy of the relevant page of the newspaper (the Irish Examiner) displaying the notice advertisement submitted by Gleneden Trading Ltd, in accordance with Article 7 of the Regulations, has been included with this report.

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

A copy of the text of the site notice erected at the site, in accordance with Article 7 of the Regulations, has been included with this report.

(c) where appropriate, a copy of the notice or notices given to a planning authority under Article 7

A copy of the notice sent to the Planning Department of Cork County Council (the relevant Planning Authority) by the licensee, in accordance with Article 7 of the Regulations has been included with this report.

(d) a copy of such plans, including a site plan or plans and location map or maps, and such other particulars, reports and supporting documentation as are necessary to identify and describe, as appropriate

All such information has been included with this application

(i) the position of the notice in accordance with article 7

The position of the site notice is indicated on Drawing No. 2004-238-01-003-Rev A.

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

The proposed activities of the waste transfer station will not lead to point source emissions. There will be no process effluent or wastewater discharged to sewer or surface water. Any accidental spillages will be captured in bunded areas and drain to sumps, which will be connected via a network of pipes to a hazardous chemical storage/retention tank. When the contents of this tank is full it will be routinely taken off-site for treatment and safe disposal. All waste unloading, holding and reloading will take place within the enclosure of the main building so noise emissions will be at a minimum. As all packaged, solid waste will be in sealed containers when brought to the site there will be no source of dust/odour emissions during the activities. Waste oils will be removed from tankers and pumped directly to bulk oil tanks. Any fugitive emission arising from oil vapours will be vented to the atmosphere.

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

The exact location of the monitoring points will be identified and sent to the Agency before commencement of normal operations of the proposed activity.

Dust arising from the proposed activities is not deemed to be a threat to ambient air quality. However, dust monitoring (deposition and TSP) will be carried out on an annual basis outside the main doors of the facility. A suitably qualified scientist will carry out dust monitoring on an annual basis and/or as deemed necessary. Following completion of the annual dust monitoring investigations, a report will be forwarded to the EPA outlining the results.

There have being no complaints from the general public during the operation of an equivalent plant in Portlaoise concerning odours. Odour monitoring will be conducted annually once the plant is open.

As there are no direct discharges to groundwater and the area within the transfer building will be bunded there are no plans to carry out a programme of groundwater monitoring.

The licensee will install an adequate number of ground water monitoring wells in proximity to the site if the Agency feels that this is a necessary step to ensure that the safeguards put in place by Gleneden are working to prevent groundwater/aquifer pollution.

Noise monitoring will be carried out on an annual basis once the facility has commenced operation. The location or number of the monitoring sites has yet to be confirmed. Noise measurements will be carried out by a suitably qualified scientist with the EPA Guidelines on noise monitoring.

There will be no sewer emission from the proposed plant and therefore a sewer monitoring programme will not be required.

There will be no discharge from the site to nearby surface waters and therefore a surface water monitoring schedule is not proposed.

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

The appropriate fees for the proposed activities have been enclosed with this report. Details of the applicable fees are given below in the section titled, 'Agency Request Number 15'.

Agency Request Number 15 - *Submit the appropriate fee for the review of your licence in accordance with Article 43 of the Regulations.*

With respect to Part 1 of the Second Schedule of the Waste Management (Licensing) Regulations 2004, S.I. No. 395 of 2004, the following applies to the proposed Waste Transfer Station Facility at Raffeen Industrial Estate.

Review Fee	Waste Activity
€ 22,500	The disposal of hazardous waste.
€ 6,000	The recovery of waste.
€ 28,520	**Total**

Agency Request Number 16 - *Provide details of any impacts on the existing waste licence conditions and justification for any proposed changes to the existing conditions (i.e. proposed changes, which are required in order to be consistent and facilitate the proposed activities in the adjoining site).*

On reviewing the Conditions attached to the present Waste Licence (Reg. No. 145-1) the following sections and sub-sections will be affected by the new proposals.

Condition 1 of Waste Licence 145-1 – *Scope of the Licence*

Sub-section 1.1 – waste activities at the facility need to be extended in scope to allow for the waste disposal activity Class 13 of Schedule 4 of the Act.

Sub-section 1.4 – the maximum tonnage to be accepted is requested in this application for review of waste licence 145-1 is 7,000 tonnes per annum. Presently under waste licence 145-1 the maximum tonnage to be accepted at the facility at shall not exceed 1,600 tonnes per annum.

Sub-section 1.5 - the maximum tonnage of waste oils/hydrocarbons to be processed per day is requested in this application for review of waste licence 145-1 will be approximately 60 tonnes and other packaged wastes 50 tonnes. However daily acceptance of waste onsite will be much lower than these maximum rates. The average intake of all wastes types per day would likely be less than 55 tonnes per day.

Presently under waste licence 145-1 the maximum tonnage to be processed at the facility shall not exceed 7 tonnes per day.

Sub-section 1.7 – The grounds for this review is to allow the applicant to extend the scope of the licence to be permitted to accept waste oil materials and other hazardous wastes onto the facility for storage and off-site treatment. Currently under waste licence 145-1 the facility is only permitted to accept hazardous healthcare waste onto the facility for storage and treatment.

Sub-section 1.9.3 – The normal operating hours will be 7:00am to 9:00pm Monday to Saturday. However the emergency spill response service offered by Atlas Environmental may mean having to occasionally accept waste on a Sunday. In addition there is currently a requirement to provide a service to collect waste oils from ships on both Sundays and Bank holidays. However neither of these activities represents a large volume of business for Atlas.

Condition 2 of Waste Licence 145-1 – *Management of the Facility*

Sub-section 2.2.1 – there will be a change in the management of the site. Atlas Environmental Ireland will manage the day-to-day running of the waste transfer station. The name and experience/training details of the people in the management structure will be forwarded to the Agency in support of this review application.

Condition 3 of Waste Licence 145-1– *Facility Infrastructure*

Sub-section 3.9.1 – As mentioned in the introduction section of this report the applicant intends suspending its processing and treatment operations of hazardous clinical/healthcare waste for the foreseeable future. Therefore this sub-section will no longer be applicable as no on-site treatment of waste will be in operation. All waste will be bulked up and dispatched off-site for recycling/recovery or safe disposal.

Condition 5 of Waste Licence 145-1 – *Facility Operations*

Sub-sections 5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.2.5, 5.2.6 – these sub-sections will no longer apply to the facility if the licensee is granted approval by the Agency for a broadening of the scope of waste type acceptance. As already stated in the introduction section of this report the applicant intends to suspend operation of its clinical waste treatment plant.

Sub-sections 5.3.1, 5.3.2, 5.3.3, 5.3.4, 5.3.5 and 5.3.6 - these sub-sections will no longer apply to the facility if Gleneden Trading is granted approval by the Agency for a broadening of the scope of waste type acceptance. As already stated in the introduction section of this report the licensee intends to suspend operation of its clinical waste treatment plant.

Sub-sections 5.4.1 to 5.4.11 – *again these sub-sections will no longer apply to the facility if* Gleneden Trading is granted approval by the Agency for a broadening of the scope of waste type acceptance. As already stated in the introduction section of this report the licensee intends to suspend operation of its clinical waste treatment plant.

Sub-sections 5.7.1 and 5.7.4 – *again these sub-sections will no longer apply to the facility if* Gleneden Trading is granted approval by the Agency for a broadening of the scope of waste type acceptance. As already stated in the introduction section of this report the applicant intends to suspend operation of its clinical waste treatment plant.

Plant equipment such as the HDS, compactor and shredder are associated with the clinical waste treatment process that the applicant is now intending to suspend. All of this plant equipment will be cleaned down, decommissioned and placed in off-site storage.

Condition 6 of Waste Licence 145-1 – *Emissions*

The applicant will continue to abide by the emission limits specified in Schedule C of the waste licence 145 -1. If the EPA requires additional emission limits to be met, the applicant will do all that is possible to implement these limits to avoid damaging the environment. However due to the fact that all waste operations will take place in the enclosed transfer station building and no processing activities will be carried out it is unlikely that any additional emissions will occur. All temporary storage areas will be locally bunded and any spillage effluent will drain to a sump and be collected by a network of pipes which will lead to a retention tank. This spillage retention tank, when full, will be taken off site for treatment and safe disposal.

The applicant will also have an adequate supply of suitable absorbent material to contain and absorb any spillage that occurs outside the building on the hard-standing yard. All spillages will be dealt with immediately so as to alleviate their effects.

Condition 7 of Waste Licence 145-1 – *Nuisance Control*

Sub-sections 7.4.1 – This sub-section will no longer apply to the facility if the licensee is granted approval by the Agency for a broadening of the scope of waste type acceptance. As already stated in the introduction section of this report the applicant intends to suspend operation of its clinical waste treatment plant.

Plant equipment such as the shredder is a component of the clinical waste treatment plant that the licensee is now intending to suspend. All of this plant equipment will be cleaned down, decommissioned and placed in off-site storage.

Condition 9 of Waste Licence 145-1 – *Contingency Arrangements*

Sub-sections 9.5 - This sub-section will no longer apply to the facility if the licensee is granted approval by the Agency for a broadening of the scope of waste type acceptance. As already stated in the introduction section of this report the applicant intends to suspend operation of its clinical waste treatment plant.

The proposed hazardous waste transfer station at Raffeen will facilitate the collection, sorting and bulking of recyclable materials prior to onward shipment to appropriate recycling facilities. This development will contribute to a reduction in waste going to landfill and an increase in the recycling of municipal waste.

The National Hazardous Waste Management Plan identifies areas with significant scope for improvement of collection rates. These include:

- Oil filters
- Lead-acid batteries
- Other batteries
- Fluorescent lamps

The purpose of the proposed waste transfer station is the collection, storage and repackaging of recyclable, hazardous and non-hazardous waste prior to transportation to recycling and treatment facilities. Such a facility will have a positive impact on attaining the objectives and targets outlined in Waste Management Policies and will assist with the full implementation of the waste management legislative framework.

Plant equipment such as the Holoflite is a component of the clinical waste treatment plant that the applicant is now intending to suspend. All of this plant equipment will be cleaned down, decommissioned and placed in off-site storage.

Condition 10 of Waste Licence 145-1 – *Records*

Sub-sections 10.3(a), (b), (c) and (d) - *These sub-sections will no longer apply to the facility if the applicant is granted approval by the Agency for a broadening of the scope of waste type acceptance. As already stated in the introduction section of this report the licensee intends to suspend operation of its clinical waste treatment plant.*

Plant equipment such as the Holoflite is a component of the clinical waste treatment plant that the licensee is now intending to suspend. All of this plant equipment will be cleaned down, decommissioned and placed in off-site storage.

Sub-sections 10.3 – the test procedures of processed healthcare waste will no longer be applicable if the applicant is granted approval by the Agency for a broadening of the scope of waste type acceptance. As already stated in the introduction section of this report the licensee intends to suspend operation of its clinical waste treatment plant.

Condition 11 of Waste Licence 145-1 – *Reports and Notifications*

Sub-sections 11.6 and 11.7 – as efficacy test using biological indicator will no longer need to be conducted as all activities associate with the processing of hazardous healthcare waste will cease. The boiler associated with the plant required for processing healthcare waste will be dismantled and store off-site for the foreseeable future.

Agency Request Number 17 - *Describe how the facility complies with the Regional Waste Management Plan.*

The Waste Management Plan for Cork County 2004 – 2009 states that:

"*the current trend towards the rationalisation of the number of landfills and the introduction of pre-treatment facilities means that waste will be transported over increasingly large distances before disposal, treatment or recovery*".

Cork County Council wishes to establish a "network of solid waste transfer stations" in Cork County, which will allow for the efficient and economic transport of waste to these new facilities.

Cork County Council envisages that this "network" of waste transfer stations will be provided both by the Local Authority and the **private sector**.

The statutory Development Plan pertaining to the site is the Cork County Development Plan 2003. The site at Raffeen is affected by zoning objective – 3-13 –Industrial Areas. The Plan sets out uses, which are permitted in principle on lands, affected by zoning objective 3-13. These include:

"*Manufacturing, repairs, warehousing, distribution, open-storage, **waste materials treatment and recovery**, and transport operating centres*".

The Department of the Environment and Local Government policy statements have outlined a clear commitment to reduce dependency on landfill as a primary waste disposal route.

The primary objective of the National Hazardous Waste Management Plan is "to prevent the production of hazardous waste and to minimise the effect of hazardous waste on the environment". The secondary objective is the safe management of hazardous waste.

APPENDIX 1

EPA Letter dated 28th September 2004

Environmental Protection Agency

Regional Inspectorate, Inniscarra
County Cork, Ireland
Cigireacht Réigiúnach, Inis Cara
Contae Chorcaí, Éire

T +353 21 487 5540
F +353 21 487 5545
E info@epa.ie
W: www.epa.ie

Lo Call: 1890 33 55 99

Mr. Edward McNamara
Managing Director
Gleneden Trading Ltd.
Unit 9, Raffeen Industrial Estate
Raffeen
Monkstown
Co. Cork

28th September 2004 145-1

Re: Proposed licence review and letter in accordance with Article 12(3)(a)(iii) of the Waste Management (Licensing) Regulations

Dear Mr. McNamara.

I refer to your letter to the Agency dated the 6th August in relation to a request for a review of your waste licence reg. No. 145-1. We note that this request is limited to an increase in the classes of activity licensed.

The following is required in order that your review may be processed by the Agency.

ARTICLE 5, 6, 7 (and 9) COMPLIANCE REQUIREMENTS FOR REVIEW OF WASTE LICENCE (Reg. No. 145-1)

a) Publish and fix a site notice as specified in Articles 5, 6 and 7 of the Regulations.

b Submit a notice to the Agency and the relevant planning authority in accordance with Article 9 of the Regulations.

ARTICLE 12 COMPLIANCE REQUIREMENTS FOR REVIEW OF WASTE LICENCE (Reg. No. 145-1)

1) Provide information specified in Article 12(1) (a) to (u) of the regulations.

2) Provide a revised "Site Plan" which shows the extent of the entire facility outlined in red.

As a minimum this should include.

3) The class or classes of activity concerned, in accordance with the Third and Fourth Schedule of the Waste Management Act, and provide a summary description of each of the classes of activity applied for.

4) Describe the plant, methods, processes and operating procedures for the proposed new activities.

5) In relation to the new activities, provide details on the emissions and an assessment of the impact of these emissions.

6) Describe any proposed arrangements for the off-site treatment or disposal of waste from the proposed new activities and processes.

7) Provide details to indicate that you are in a position to meet any financial commitments or liabilities incurred by carrying on the activities relating to this review application.

8) Provide estimates of the maximum quantity of the various waste types to be accepted at your facility any one time and the infrastructure in place to manage these wastes in a safe manner. Describe the normal and maximum quantity of treated and untreated waste that will be stored at your facility at any one time. Outline any assumptions made.

9) Provide an estimate of the expected and the maximum quantity of waste types to be accepted at the Transfer Station in one calendar year.

10) Describe the storage and bunding arrangements for each type of hazardous material proposed to be accepted at the facility. In your reply provide details on the compatibility of the various waste materials proposed to be accepted at the facility.

11) Identify any new monitoring and sampling points and arrangements for monitoring.

12) Provide a non-technical summary of the revised application.

13) State the grounds on which the review is made in accordance with Article 12(3)(a) of the Regulations.

14) Provide the information to accompany the application as specified in Article 12(4) of the Regulations.

15) Submit the appropriate fee for the review of your licence in accordance with Article 43 of the Regulations.

16) Provide details of any impacts on the existing waste licence conditions and justification for any proposed changes to the existing conditions (i.e. proposed changes, which are required in order to be consistent and facilitate the proposed activities in the adjoining site).

17) Describe how the facility complies with the Regional Waste Management Plan.

Where revised drawings are submitted, provide a list of drawing titles, drawing numbers and revision status, which correlates the revised drawings with the superseded versions.

Where relevant the information requested for the review should be submitted using the appropriate waste licence application form provided.

When submitting your review application please supply Article 12 information in the form of 2 hard copies and a copy on CD in .pdf format

If you have any further queries please contact Ms. Niamh O' Donoghue at the number above Please direct all correspondence in relation to this matter to the *Licensing Unit*.

Office of Licensing & Guidance, Environmental Protection Agency, Headquarters,
PO Box 3000, Johnstown Castle Estate, County Wexford.

Yours sincerely,

Marie O' Connor
Senior Inspector
Office of Licensing and Guidance

Appendix 2

Standard Operating Procedures (SOPs)

SOP No.21	Waste Oil Acceptance
SOP No. 32	Prohibited Substances
SOP No. 40	Unloading Oil
SOP No. 75	Incoming Waste Procedure

Document:	**Standard Operating Procedure**	**Version No. 8c**
Title:	**Waste Oil Acceptance (Collections)**	**Issued: Sept '04**
Section:	**SOP No 21**	
Approved By:		**Page 1 of 7**

PURPOSE:

To provide a procedure for the acceptance of waste oils for recovery.

RESPONSIBILITY:

It is the responsibility of the Logistics Manager and Cork Operations Manager to ensure this procedure is carried out.

PROCEDURE:

Normal Waste oil collection

1. Collectors, Representatives or other company personnel inform the operations personnel of the content and or source of the product in the truck. This is done by means of a daily route sheet issued by the relevant services personnel and made available to the operations and laboratory staff. (As per SOP 34.)

2. If the content is from an approved source it is accepted and pumped to a tank at the discretion of the operations personnel. The sources of waste oil that may be accepted in bulk are as follows
   a) Spent motor lubricant, oily ship slops and waste fuel oils.
   b) Oily wastes and oil sludges from oil tank bottoms and oily wastes from oil interceptors/separators.
   c) Other oily wastes and oil mixtures including those arising from the use of turbine oil and lubricating oil.
   d) Waste oils from industrial sources, tank and interceptor cleaning operations, bring stations and oil-spill clean up operations.

3. If the oil exhibits any properties which may indicated it is contaminated by incompatible or prohibited substances (for recovery) the oil should not be colleted but a sample should be taken for analysis and compared to the acceptance criteria. If the waste oil is from a new customer or is

contaminated, a sample may be taken and analysed by the Atlas laboratory in Portlaoise prior to collection. Where possible, SDS's are requested from the customer for assessment.

4. When collecting waste oil from producers, our collectors will be issued with an individually numbered collection docket, which will give the following details;
   a) Gross volume of waste oil collected
   b) Date of collection
   c) Name and address of company/person oil collected from
   d) EWC code
   e) Signature on behalf of the producer of waste oil confirming the accuracy of the details on the collection docket.
   f) Vehicle registration of the collection vehicle

5. Waste oils must always be collected, handled, transported and stored in a manner so as to prevent the risks of contamination to all environmental media or endangerment to the general public and their health.

Procedure for Potential unsafe collections

1. When a driver/collector feels that there is an increased safety/environmental risk associated with a particular collection (eg unsafe access) the driver may fill in a 'Potential Unsafe Collection Sheet'. The Sales or Logistics manager should then express the concerns of the driver to the customer and rearrange when the area has been made safe for collection. The HSE manager or the HSE coordinator should be informed.

Note: ***Prior to the transfer & collection of waste oil, Atlas personnel must ensure that the temperature of the oil is not greater than 60 ° C. Oil above 60 ° C must be allowed cool until there is a decline in temperature. Such a dangerous occurrence must be reported on the***

"potential unsafe collection form" and submitted to the HSE manager/co-ordinator for review and follow up.

RELATED RECORDS

Daily route sheets

Laboratory Records

Dispatch Notes

SDS of Incoming Oil

Potential unsafe collection sheet

Appendix 1

Set of Waste Oil Parameters and Test

Property	Units	Method
Water	% v/v	IP 74 / Karl Fisher
Ash	% w/w	IP 4/96
Sulphur	% w/w	IP 373/86
PCB	ppm	ASTM D4059-96
Lead	ppm	A.A
Vanadium	ppm	A.A
Copper	ppm	A.A
Cadmium	ppm	A.A
Chromium	ppm	A.A
Nickel	ppm	A.A
Chlorine	ppm	IP PM-AK/81
Flash point	°C	IP 34
Asphaltenes	% m/m	IP 143/96
Viscosity @ 40°C	cSt	IP 71
Solubility in water	Yes/No	------
Solubility in oil	Yes/No	------

POTENTIAL UNSAFE COLLECTION

DATE	DRIVER	COMPANY	DESCRIPTION	ACTION	SIGN

Atlas approval

HSE Manager Approval	Date
I&A Manager Approval	Date

Document:	**Work Instruction Manual**	**Version No. 5**
Title:	**Prohibited Substances**	**Issued: June 04**
Section:	**SOP 32**	
Approved by		**Page 1of 2**

PURPOSE:

To outline the products that may not be accepted as waste oil for recovery at the Atlas facility.

RESPONSIBILITY:

It is the responsibilities of the Operations Manager/Yard Staff/Truck Drivers and Laboratory to ensure prohibited substances are not accepted for onward recovery at the Atlas facility.

PROCEDURES:

1. It is the policy of Atlas Environmental to ensure that the substances listed in point No 6 may not be accepted as waste oil for re-processing and thus not bulked into the bulk storage tanks.
2. If collectors, representatives or other company personnel are unsure or concerned prior to collection and before loading on a customers site about the content of waste oil, they must sample the waste oil and deliver a sample to the laboratory. Results are recorded in the laboratory diary. (Where waste is not to conformance or cannot be accepted at the facility, a non-conformance report must be completed.) Where waste is not accepted on site, an alternative route must be sought and waste must be placed in the relevant storage area.
3. Waste not acceptable for recovery may be accepted on site with the approval of the laboratory for onward movement to an appropriately licensed and approved facility.
4. It is important that all information concerning the origin and circumstances of the waste oil be communicated to the lab technician upon delivery of the sample, which is recorded in the laboratory diary.
5. Transformer oils cannot be collected with out permission of the laboratory technician after analysis or proper certification. Results are stored in the analysis results file.
   The lab technician must either (i) test and confirm that the oil is not contaminated above 10 ppm PCB before collection or (ii) be satisfied that a certificate from a responsible body is issued for the oil indicating that it is not contaminated with PCBs.

5. The products that cannot be accepted for recovery at the facility are as follows:

a) Oils containing PCB greater than 10 ppm.

b) Oils with flash point less than 55°C.

c) White spirit or turpentine.

d) Chemical solvents or thinners.

e) Benzene, Toluene, Xylene or any mixtures known to contain chlorinated derivatives of these.

f) Naphtha or petrol or derivatives.

g) Coal tars

h) Diluted soluble cutting oils or cooling agents (suds) i.e. other than undiluted form.

i) Monoethylene-glycol or alcohol compounds to include print ink.

j) Rope oil

l) Other substances deemed by the laboratory not to be compatible with the Atlas process. (The lab will have regard to particular risks that may be presented by contaminants such as flammability, corrosivity, explosive mixes etc.)

6. Alternative licensed and approved disposal routes may be sourced for these wastes.

RELATED RECORDS

Waste Rejection Register
Laboratory Diary
Analysis Results Files
Potential Unsafe collection sheet
C1 forms
Schedule A Atlas Environmental waste management Licence 184-1

Atlas Approval

_____ _____

Health, Safety and Environmental Manager Date

_____ _____

Laboratory Supervisor Date

Document:	**Standard Operating Procedure**	**Version No. 3c**
Title:	**Unloading Oil**	**Issued: Oct '04**
Section:	**SOP 40**	
Approved By:		**Page 1 of 2**

PURPOSE:

To provide a procedure for unloading waste oil at the Gleneden facility.

RESPONSIBILITY:

It is the responsibility of the Operations Manager to ensure that this procedure is followed.

PROCEDURE:

1. All deliveries of waste oil for recovery must have a top middle and bottom sample of oil taken from each tanker. These should be inspected by visual and olfactory assessment by operations personnel. If a concern exists in relation to the incoming oil it should not be unloaded until full incoming waste oil laboratory acceptance procedures have been completed. If this is not possible then material should be quarantined pending full analysis.

2. If acceptable, approved oil is pumped to a tank with sufficient capacity as deemed by the operations personnel. Alternatively the unloading may take place into IBCs particularly if the material is being quarantined or is not suitable for recovery.

3. If the sample indicates that the waste is other than as described but acceptable at the facility then consignor is advised. On agreement, we will arrange for appropriate disposal in accordance with our WM License if the batch is on site. If the sample exceeds certain limits (e.g. PCB's), the HSE manager/coordinator is immediately informed. If the waste is not acceptable at the facility the material is quarantined and the Agency informed immediately and arrangements agreed with the Agency regarding the handling of the waste.

4. During unloading the truck must be parked so as to locate the unloading calve of the truck within the bunded area. The driver must stay with his truck while the truck is pumping off until the tanker is empty and all valves and hoses closed or disconnected as appropriate. Spill trays and buckets used during the transfer are to be emptied and cleaned of oil. The area is to be maintained free of litter, equipment etc

5. Any spillage's must cleaned up immediately and be reported on the Incident Report form.

6. The driver then fills out the Waste Oil Receipt sheet, detailing drivers name, vehicle registration, type and quantity of waste oil.

7. The operations operative completes filling in the waste oil receipt sheet with tank number pumped to and date pumped and enters this onto the stock sheets.

RELATED RECORDS
Waste Oil Sheets
Waste Oil Receipt Sheet

Atlas Approval

Health, Safety & Environmental Manager	Date
Operations Manager	Date

1.0 Purpose

To ensure that wastes, which arrives on-site is handled in accordance with the nature of the waste received.

2.0 Scope

This procedure relates to the acceptance of packaged wastes excluding bulk waste oils into the Gleneden facility.

3.0 Responsibility

The persons responsible for implementing this procedure are the Site Supervisor and the Operations Manager. This procedure applies to all employees involved in waste coming on-site.

4.0 Procedure

A schedule of all incoming waste is maintained by Logistics/Sales. The incoming operator checks this schedule prior to any waste arriving on-site

This may be divided into 5 stages:

1. Unloading trucks.
2. Filling out documentation.
3. Inspection
4. Recording Incoming Waste.
5. Waste Storage/Segregation.

1. Unloading trucks

a) Ensure the driver has logged in appropriately.
b) Ensure the driver wears personnel safety equipment.(Safety Helmut, safety boots, high vis clothing, safety glasses, long sleeved clothing).
c) If the driver does not don the appropriate PPE, you must inform him of the current PPE policy and obtain necessary PPE, when he/she must return prior to exiting the site.
d) Receive documentation from the driver and check the details on the C1 conform to the waste to be unloaded.
e) Wastes that are **not** acceptable on site include:
    - Asbestos Waste
    - Radioactive
    - Explosives

f) A list of acceptable Wastes and their EWC codes is appended to this procedure as appendix A.
g) Unload the relevant wastes into the incoming waste bay. Where possible each consignment should be kept together for ease of handling

2. Filling out documentation

a) Complete Section C of the C1-Form, ensuring the details carry over to all sheets in the form, or other consignment note if appropriate (ccoking oils etc).
b) Ensure that the driver has completed Section B correctly.
c) Give the white copy of the C1 Form (top) to the driver.

3. Inspection

a) Each drum/ IBC must be inspected by yard personnel to ensure the drums are labelled appropriately and in sound containers.
b) Wastes not fully labelled or with redundant labels should be rectified by removing redundant labels and re-labelling if appropriate.
c) Wastes in containers that are considered unsound or inappropriate must be redrummed prior to storage and relabelled as appropriate.

4. Recording the incoming waste

a) Every drum / box / container etc is given an individual barcode which is clearly attached to two sides of the container. In the case of empty drums to be exported an individual bar-code is attached to the shrink-wrapped pallet of drums. Empties for washing/transfer to Shannon may be given an individual barcode but the consignment must be grouped together and a record kept of the total number of drums in the consignment.

b) Check that the waste details on the Proposal Form conform with those received on site; The proposal form is obtained from accessing the incoming schedule. If there is a variation between details the waste tracking system automatically highlights this to the Logistics/Sales Departments who should notify the customer appropriately.

c) An "Incoming Waste Form" is then completed which records the drum number; the waste type; the drum type; the storage area; the UN number; the condition of the drums, whether the contents are solid or liquid, and if necessary the weight. If re-drumming is required this should be noted and recorded in the waste variation form.

d) Fill in the company name; the C1 number; the receiving date; sign and date it and attach it to the C1 Form. Completed forms are then forwarded to the Logistics Department for filing.

5. Storage of Wastes

a) Drums are placed on pallets before transferring to storage.

b) All drum lids are secured to avoid spillage during transfer to bunded storage

c) In the case of empty drums to be exported, the drums are to be shrink-wrapped and weighed prior to being transferred to storage.

d) Wastes are to be stored on the basis of their hazard class and based on the ADR classes and rules of segregation.

e) Operator should segregate incoming waste into one of the following storage categories:

Storage Area	Class of Wastes
Bund CK1	Quarantined wastes
Bund CK 2	Class 8 (corrosives – acidic) Batteries
	Non-regulated eg cooking oil,
Bund CK 3	Class 8 (Corrosive – Alkaline) -Photographic,
	Non-regulated eg Fluorescent Tubes,
Bund CK 4	Non regulated – Fluorescent Tubes, antifreeze, waste lubricating oils (non-flammable), Brake fluid, Windscreen Washer fluid;
	class 2 (gases/aerosols)
Bund CK5	Class 7 - Healthcare Wastes
	Non regulated wastes, cooking oils, used oil filters
Bund CK 6	Class 4.1 Solid Oily Waste
	Non regulated - Used Oil filters,
Bund CK 7	Class 3 Flammable liquids eg Mixed fuels, paint thinners etc
	Class 4.1 Solid Oily Waste
	Non Regulated – Used oil filters

Note: Non regulated relates to ADR/IMDG code for transportation where segregation rules are derived from.

f) The palletised drums or IBCs are transferred to bunded storage or the appropriate designated area.

g) The Waste tracking System has to be updated, so as it reflects the new waste which has been accepted on-site.

5.0 Related Documents

Incoming Proposal
Incoming Waste Form
Prohibited Substances
Collection and Transport of waste

Operator PPE Requirement

Overalls
High Vis clothing
Long sleeved clothing
Safety helmet
Safety boots
Safety Glasses
Gloves

Approved By: _____ **Date**_____
Operations Manager

Approved By: _____ **Date**_____
Logistics Manager

Approved By: _____ **Date**_____
EHS Director

j. Waste cooking oil	20 01 25	200 t

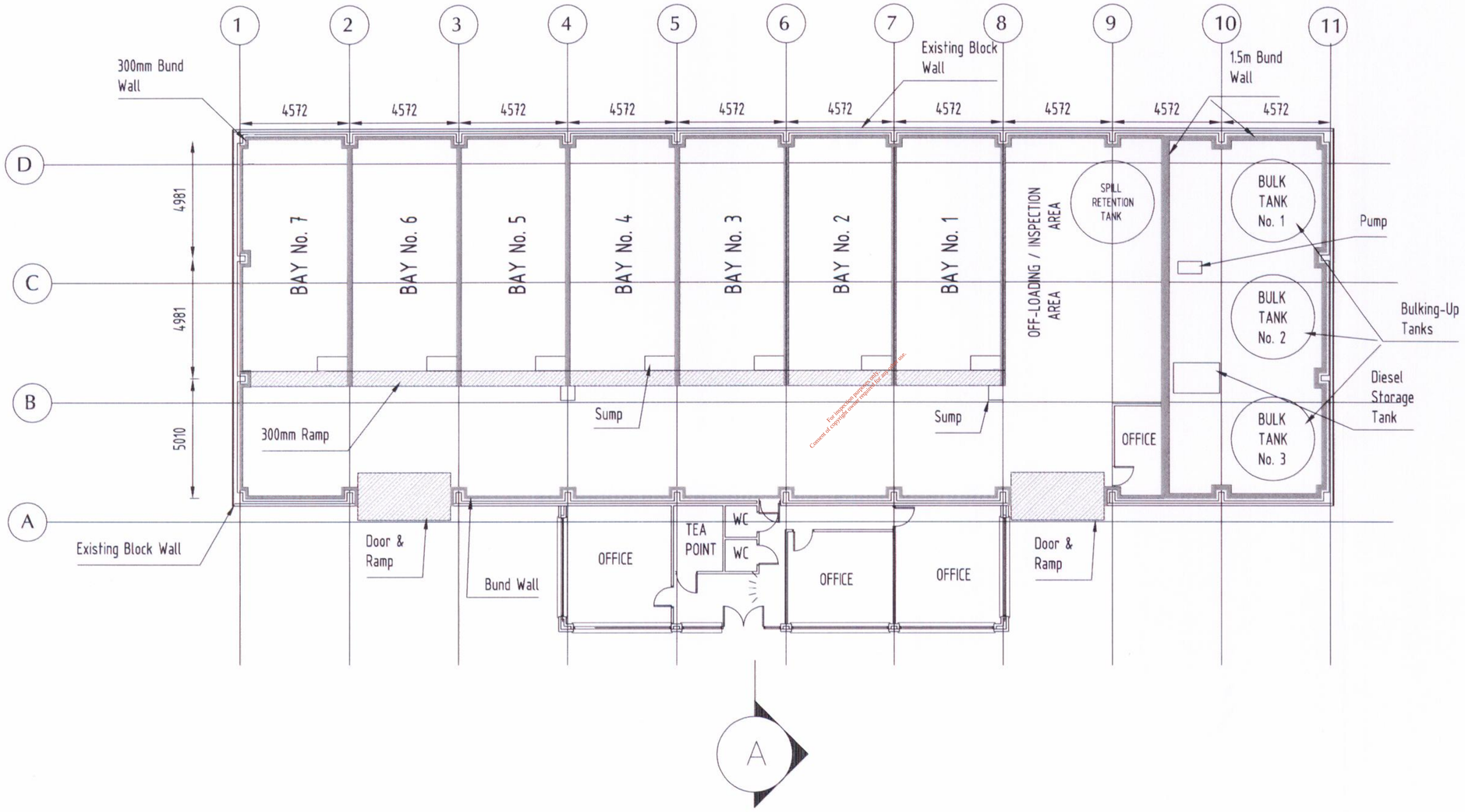
Appendix A: list of acceptable wastes

Waste Description	EWC Codes	**Tonnage (per annum)**
a. Waste oils/hydrocarbons (including interceptor wastes & tank bottoms), solvents and other flammable liquids.	12 01 06 / 12 01 07 / 12 01 08 / 12 01 09 / 12 01 10 13 01 01 / 13 01 04 / 13 01 05 / 13 01 09 / 13 01 10 / 13 01 12 / 13 01 13. 13 02 04 / 13 02 05 / 13 02 06 / 13 02 07 / 13 02 08. 13 03 01 / 13 03 06 / 13 03 07 / 13 03 08 / 13 03 09 / 13 03 10. 13 04 01 / 13 04 02 / 13 04 03. 13 05 01 / 13 05 02 /13 05 03 / 13 05 06/ 13 05 07/13 05 08 13 07 01 / 13 07 02 /13 07 03. 13 08 01 / 13 08 02 / 13 08 99 13 07 02 16 07 08 14 06 02 / 14 06 03	4,000
b. Used oil filters oily rags, greases and other flammable wastes;	05 01 03 / 05 01 03 / 05 01 05/ 05 01 17 13 08 99 / 13 08 01 15 01 10 15 02 16 01 07, 16 07 08 19 08 09 17 03 01 / 17 03 02 / 17 03 03 17 05 03 / 17 05 05 / 17 05 07 19 13 01 / 19 13 03 /19 13 05 / 19 13 07	500
c. Infectious healthcare waste (as per the present licence)	Insert original EWC codes as per application	1,600
d. Drummed flammable liquids eg fixed fuels –diesel & petrol, pain thinners	07 05 01/03/04; 16 03 05/ 12 01 07/ 12 01 08/ 11 01 13/ 11 01 14/	200 t
e. Fluorescent Tubes for bulking and transfer	20 01 21	10 t
f.		
g. Batteries for bulking and transfer	16 06 01 / 16 06 02 / 16 06 03 / 16 06 04 / 16 06 05 / 16 06 06/	240 t
h. Contaminated Soil	17 05 03 / 17 05 05 / 17 05 07 19 13 01 / 19 13 03 /19 13 05 / 19 13 07	50 t
i. Other specified wastes and other wastes to be agreed with the Agency.	16 05 04 / 16 05 05 (Aerosols); 16 01: 16 01 13 / 16 01 14 / 16 01 15 (Brake fluids/ Antifreeze); 16 01 99 (Windscreen washer fluid); 09 01 01/02/ 03/04/ 05/06/07/08/09/10/11/12/13/99 (Photographic waste)	200 t

APPENDIX 3

Drawings

2004-238-01-001-Rev A	Internal layout of Gleneden site at Raffeen Industrial Estate
2004-238-01-002-Rev A	Site Boundary
2004-238-01-003-Rev A	Site Ownership



FLOOR PLAN

Scale 1:100

Rev.	Drawn	Chkd	Apprvd	Date	Description
A	MC	JOS		04.11.04	WASTE LICENCE REVIEW APPLICATION

Name of Client
GLENEDEN TRADING LTD

Name of Job
WASTE LICENCE
REVIEW APPLICATION

Title of Drawing
INTERNAL LAYOUT OF GLENEDEN SITE
AT RAFFEEN INDUSTRIAL ESTATE

Scales Used
A1-1:100, A3-1:200

Dwg. No. 2004-238-01-001 | Rev. A

FEHILY TIMONEY & COMPANY
CONSULTANTS IN ENGINEERING & ENVIRONMENTAL SCIENCES
CORE HOUSE, POULADUFF Rd, CORK, IRELAND.
Phone: +353-21-4964133, Fax. +353-21-4964464, Email: info@ftco.ie
WEB SITE: www.fehilytimoney.ie

Marybrook
0.20
11.05
10.80
10.96
13.49
64787
174501
19.34
T
+ 18.38
8.57
Raffeen House
(Lower)
220Kv
+ 18.43
17.60
0.65
+ 20.65
+ 18.26
+ 18.69
0.86
SHANBALLY
0.41
0.44
1.20
0.32
+ 25.89
4.39
+ 19.26
20.29
1.74
1.66
0.35
22.98
1.33
0.27
+ 25.77
+ 28.52
+ 31.54
+ 32.7
Coolbawn
0.53
0.21
1.36
10Kv
0.33
1.56
+ 33.75
11.17
110Kv

Ordnance Survey Ireland Licence No. EN 0001204 © Government of Ireland
Cork 1:2500 OS SHEET No. 6471-D Survey 1997

Rev.	Drawn	Chkd	Appvd	Date	Description
A	MG			04.11.04	WASTE LICENCE REVIEW APPLICATION

Name of Client
GLENEDEN TRADING LTD.

Name of Job
WASTE LICENCE
REVIEW APPLICATION

Title of Drawing
1:2500 SITE BOUNDARY MAP
(Site Boundary in Red)

Scales Used
A3 1:2500

Dwg. No.
2004-238-01-002

Rev.
A

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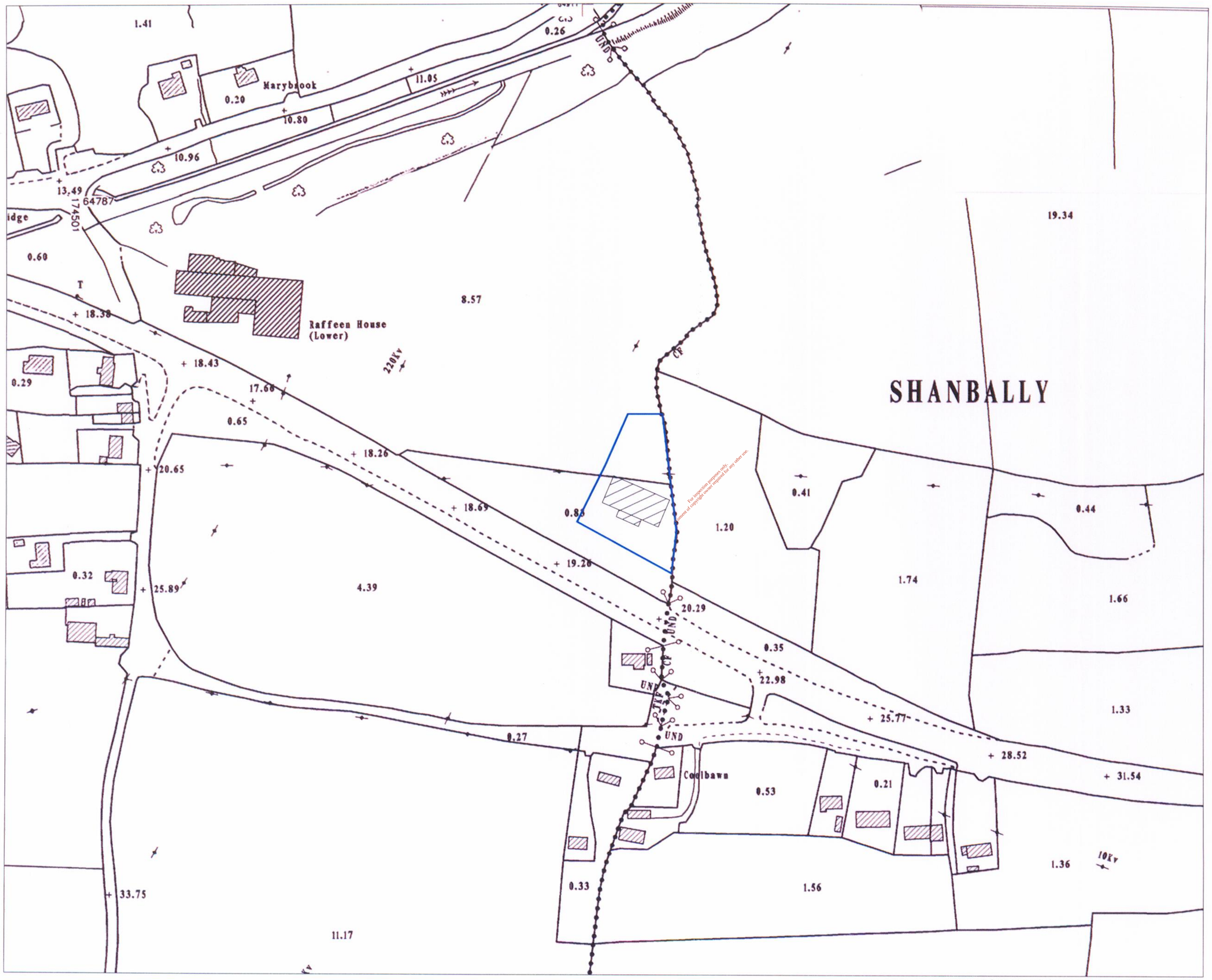
WEB SITE: www.fehilytimoney.ie



Rev.	Drawn	Chkd	Apprvd	Date	Description
A	MG	JOS	DOS	04.11.04	WASTE LICENCE REVIEW APPLICATION

Name of Client
GLENEDEN TRADING LTD

Name of Job
WASTE LICENCE
REVIEW APPLICATION

Title of Drawing
1:2500 SITE OWNERSHIP MAP
(Site Ownership in Blue)

Scales Used
A3 1:2500

Dwg. No.	Rev.
2004-238-01-003	A

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Environmental Protection Agency
An Ghníomhaireacht um Chaomhnú Comhshaoil

Waste Licence Application Form

EPA Ref. Nº: (Office use only)	

This document does not purport to be and should not be considered a legal interpretation of the provisions and requirements of the Waste Management Acts 1996 to 2003.

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

Environmental Protection Agency

Application for a Waste Licence

WASTE MANAGEMENT ACTS 1996 to 2003

CONTENTS

ANNEX 1: STANDARD FORMS

INTRODUCTION

A valid application must contain the information prescribed in the Waste Management (Licensing) Regulations 2004 (SI No. 395 of 2004). The application should conform to the format set out in this application form and the relevant *Guidance Note*. Each page of the completed application form must be numbered, e.g. **page 5 of 45**, etc. **Wherever possible, information should be supplied in the spaces given in the application form. Additional information can be included in clearly identifiable, numbered attachments, which should be cross-referenced with the relevant sections in the application form.** *A contents list should be included with each volume.* The applicant should refer to the *Guidance Note* in order to ensure that the application includes all the information required. Consistent measurement units must be used throughout.

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

CHECKLIST

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

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

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

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

LOCATION	Attachment B.1	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	Attachment B.1	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	Not Applicable	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	Attachment B.2	
CHECKED	**Applicant** ☒	**Official** ☐

(e) describe the nature of the facility or premises concerned, including the proposed capacity of the facility or premises, and in the case of application in respect of a landfill of waste, the requirements specified in Annex 1 of the Landfill Directive,

LOCATION	Attachment B.7	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	Attachment B.7	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	Attachment H.1	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	Attachment G1	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	Attachment D.2	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	Section titled Article 12(1)(j) of Main Report	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	Attachments E.1 – E.6	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	Attachments I.1 – I.7	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	To be forwarded to Agency	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	Attachment H.4	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	Attachment H.4	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	Section titled Article 12 (1) (p) of main report	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	Attachment K	
CHECKED	**Applicant** ☒	**Official** ☐

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

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

LOCATION	Not Applicable	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	Not Applicable	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	Not Applicable	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	Section titled Article 12(1)(t) of Main Report	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	Attachment A.1	
CHECKED	**Applicant** ☒	**Official** ☐

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

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

LOCATION	Attachment B.6	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	Attachment B.6	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	Attachment B.3	
CHECKED	**Applicant** ☒	**Official** ☐

(d) a copy of such plans, including a site plan or plans and location map or maps, and such other particulars, reports and supporting documentation as are necessary to identify and describe, as appropriate -
(i) the position of the notice in accordance with article 7,

LOCATION	Attachment B.6	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	Not Applicable	
CHECKED	**Applicant** ☒	**Official** ☐

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

LOCATION	To be forwarded to Agency	
CHECKED	**Applicant** ☒	**Official** ☐

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

INCLUDED Y/N	Y	
CHECKED	**Applicant** ☒	**Official** ☐

Article 12(5)(a) An application by a local authority in respect of the carrying on of an activity at a facility within the functional area of the authority shall be accompanied by 2 copies of the application and of all accompanying documents and particulars as required under sub-article (4).

PROVIDED Y/N	Not Applicable	
CHECKED	**Applicant** ☒	**Official** ☐

Article 12(5)(b) An application other than one to which paragraph (a) refers shall be accompanied by 3 copies of the application or such other number of copies as the Agency shall determine and of all accompanying documents and particulars as required under sub-article (4).

PROVIDED Y/N	Y	
CHECKED	**Applicant** ☒	**Official** ☐

Article 12(5)(c) For the purposes of paragraphs (a) and (b), all or part of the necessary copies of the said application and associated documents and particulars may, with the agreement of the Agency, be submitted in a computer or other non-legible format specified by the Agency.

CD version as PDF files PROVIDED? Y/N	Y	
CHECKED	**Applicant** ☒	**Official** ☐

Article 13 Where a development requires an Environmental Impact Assessment to be carried out, 3 copies of the environmental impact statement plus 11 copies on CD should accompany this application.

EIA REQUIRED ? Y/N	N	
CHECKED	**Applicant** ☒	**Official** ☐
3 HARD COPIES OF EIS INCLUDED ? Y/N	N	
CHECKED	**Applicant** ☒	**Official** ☐
11 CD versions of EIS, as PDF files, PROVIDED? Y/N	N	
CHECKED	**Applicant** ☒	**Official** ☐

Article 13 (6) Notwithstanding the requirements of sub-articles (1) and (2), all or part of 3 copies of the environmental impact statement may, with the agreement of the Agency, be submitted in a computer or other non-legible format specified by the Agency.

CD version PROVIDED? Y/N	N	
CHECKED	**Applicant** ☒	**Official** ☐

PROCEDURES

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

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

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

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

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

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

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

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

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

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

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

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

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

Applicants must submit a signed original of the completed application, plus three copies (two copies where the application is by a local authority in respect of the carrying on of an activity located within the functional area of the authority)[1]. In cases where an Environmental Impact Statement (EIS) is required then the Agency must be supplied with three copies of the EIS. In addition the applicant must submit one copy of the complete application on a CD-ROM, and eleven CD-ROM copies of the EIS to the Agency. The e-files should be saved as a 'pdf' file, read only status.

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

[1] Article 12(5) of the Regulations

SECTION A NON-TECHNICAL SUMMARY

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

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

SECTION B GENERAL

B.1 Applicant's Details

Name*:	Gleneden Trading Ltd.
Address:	Unit 9
	Raffeen Industrial Estate
	Raffeen
	Monkstown, Co. Cork
Tel:	021 4852477
Fax:	021 4852490
e-mail:	info@glenedentrading.com

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

Name and Address for Correspondence

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

Name:	Gleneden Trading Ltd.
Address:	Unit 9
	Raffeen Industrial Estate
	Raffeen
	Monkstown, Co. Cork
Tel:	021 4852477
Fax:	021 4852490
e-mail:	info@glenedentrading.com

Address of registered or principal office of Body Corporate (if applicable)

Address:	Gleneden Trading Ltd.
	Unit 9
	Raffeen Industrial Estate
	Raffeen
Tel:	Monkstown, Co. Cork
Fax:	021 4852477
e-mail:	021 4852490
	info@glenedentrading.com

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

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

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

Landowner	☒
Lessee	☐
Prospective Purchaser	☐
Other (please specify)	

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

Name:	Atlas Environmental Ireland Ltd.
Address:	Clonminam Industrial Estate
	Portlaoise
	Co. Laois
Tel:	(0502) 74747
Fax:	(0502) 74757
e-mail:	

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

Name:	Not Applicable
Address:	
Tel:	
Fax:	
e-mail:	

*Current at the time the application is submitted

B.2 Location of Activity

Name:	Gleneden Trading Ltd.
Address*:	Unit 9
	Raffeen Industrial Estate
	Raffeen
	Monkstown, Co. Cork
Tel:	021 4852477
Fax:	021 4852490
e-mail:	info@glenedentrading.com

* Include any townland

National Grid Reference (8 digit 4E,4N)	E1749 N0646

Location maps with grid references should be enclosed in **Attachment B.2.** The site boundary must be outlined on the map in colour.

Original maps of the relevant area, such as maps from the Ordnance Discovery Series, from which the site grid reference can be read and confirmed, must be included in **Attachment B.2.**

B.3 Planning Authority

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

Name:	Cork County Council
Address:	Planning Department
	Model Business Park
	Model Farm Road
	Bishipstown, Co. Cork
Tel:	(021) 4867006
Fax:	(021) 4867007

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

Planning Authority notified	**Yes** ☒
	No ☐

Planning Permission relating to this application:-

has been obtained	☐
is being processed	☒
is not yet applied for	☐
is not required	☐

Local Authority Planning File Reference N^{o}:	02\5250 (Governing Permission) with 9 conditions (Attachment B.3) 03\6118(Extension Permission) with 9 conditions (Attachment B.3)

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

B.4 Sanitary Authority

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

Name:	Not Applicable
Address:	
Tel:	
Fax:	

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

B.5 Other Authorities

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

Within SFADCo. Area	**Yes** ☐	**No** ☒

The applicant should indicate the **Health Board Region** where the activity is or will be located.

Name:	Southern Health Board
Address:	Wilton Road
	Cork
Tel:	(021) 4545011
Fax:	

B.6 Notices and Advertisements

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

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

B.7 Type of Waste Activity, Tonnages & Fees

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

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

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

Waste Management Acts 1996 to 2003			
THIRD SCHEDULE **Waste Disposal Activities**	**Y/N**	**FOURTH SCHEDULE** **Waste Recovery Activities**	**Y/N**
1. Deposit on, in or under land (including landfill).		1. Solvent reclamation or regeneration.	
2. Land treatment, including biodegradation of liquid or sludge discards in soils.		2. Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes).	
3. Deep injection of the soil, including injection of pumpable discards into wells, salt domes or naturally occurring repositories.		3. Recycling or reclamation of metals and metal compounds.	
4. Surface impoundment, including placement of liquid or sludge discards into pits, ponds or lagoons.		4. Recycling or reclamation of other inorganic materials.	
5. Specially engineered landfill, including placement into lined discrete cells which are capped and isolated from one another and the environment.		5. Regeneration of acids or bases.	
6. Biological treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 5 or paragraphs 7 to 10 of this Schedule.		6. Recovery of components used for pollution abatement.	
7. Physico-chemical treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 5 or paragraphs 8 to 10 of this Schedule (including evaporation, drying and calcination).	Y	7. Recovery of components from catalysts.	
8. Incineration on land or at sea.		8. Oil re-refining or other re-uses of oil.	
9. Permanent storage, including emplacement of containers in a mine.		9. Use of any waste principally as a fuel or other means to generate energy.	
10. Release of waste into a water body (including a seabed insertion).		10. The treatment of any waste on land with a consequential benefit for an agricultural activity or ecological system.	
11. Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.		11. Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.	
12. Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.	Y	12. Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.	
13. Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.	Y	13. Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.	P

TABLE B.7.2 MAXIMUM ANNUAL TONNAGE

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

Maximum Annual Tonnage (tpa)	7,000
Year	2008

B.7.3 FEES

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

Waste Activity	**Fee (in €)**
Disposal of Waste (appropriate disposal activity 1.1 – 3.3)	22,500
Recovery of Waste (4)	~~10,000~~ / 6,000
	28,500

TABLE B.7.4 (FOR A LANDFILL APPLICATION)

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

(a) landfill for hazardous waste	☐
(b) landfill for non-hazardous waste	☐
(c) landfill for inert waste	☐

B.8 SEVESO II DIRECTIVE

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

Regulations Apply	Yes ☐	No ☒

If yes, **Attachment B.8** should include the relevant details. Supporting information, as well as copies of any Hazardous Operation Studies (HAZOP) carried out for the site, should also be included in the attachment.

SECTION C MANAGEMENT OF THE FACILITY

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

C.1 Technical Competence and Site Management

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

See Attachment C.1 for details.

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

Name*	Position*	Duties and Responsibilities*	Experience /Qualifications*

* ***See Attachment C.1 for details.***

C.2 Environmental Management System

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

C.3 Hours of Operation

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

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

C.4 Conditioning Plan

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

SECTION D INFRASTRUCTURE & OPERATION

D.1 Infrastructure

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

Table D.1. Infrastructure		**y/n**	**Comments**
D.1.a	**Site security arrangements including gates and fencing**	Y	See Attachment D.1.a
D.1.b	**Designs for site roads**	Y	See Attachment D.1.b
D.1.c	**Design of hardstanding areas**	Y	See Attachment D.1.c
D.1.d	**Plant**	Y	See Attachment D.1.d
D.1.e	**Wheel-wash**	N	See Attachment D.1.e
D.1.f	**Laboratory facilities**	N	See Attachment D.1.f
D.1.g	**Design and location of fuel storage areas**	Y	See Attachment D.1.g
D.1.h	**Waste quarantine areas**	Y	See Attachment D.1.a
D.1.i	**Waste inspection areas**	Y	See Attachment D.1.i
D.1.j	**Traffic control**	Y	See Attachment D.1.j
D.1.k	**Sewerage and surface water drainage infrastructure**	Y	See Attachment D.1.k
D.1.l	**All other services**	Y	See Attachment D.1.l
D.1.m	**Plant sheds, garages and equipment compound**	N	See Attachment D.1.m
D.1.n	**Site accommodation**	Y	See Attachment D.1.n
D.1.o	**A fire control system, including water supply**	Y	See Attachment D.1.o
D.1.p	**Civic amenity facilities**	N	See Attachment D.1.p
D.1.q	**Any other waste recovery infrastructure**	Y	See Attachment D.1.q
D.1.r	**Composting infrastructure**	N	See Attachment D.1.r
D.1.s	**Construction and Demolition waste infrastructure**	N	See Attachment D.1.s
D.1.t	**Incineration infrastructure (if applicable).** **Provide information to fulfil Article 4 (2) & (3) of the Incineration of Waste Directive**	N	See Attachment D.1.t
D.1.u	**Any other infrastructure**	Y	See Attachment D.1.u

D.2 Facility Operation

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

Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

LANDFILLS

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

D.3 Liner System

Complete the following table regarding the liner system to be used for the landfill/landfill extension and detail the information requested as **Attachment D.3.** ***Items D3c to D3g should only be completed for immediate projects only (ie Years 1 & 2).*** A schedule of Liner construction activities for the medium to long term need only be listed in item D3a below, since Condition 3 of any licences granted will provide reporting requirements for any future projects.

TABLE D.3 LINER SYSTEM

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

D.4 Leachate Management

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

TABLE D.4.1 LEACHATE MANAGEMENT ARRANGEMENTS

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

D 5 Landfill Gas Management

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

Table D.5. Landfill Gas Management

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

D.6 Capping System

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

Table D.6 Capping System

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

SECTION E EMISSIONS

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

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

E.1 Emissions to Atmosphere

Details of all point emissions to atmosphere should be supplied. Table E.1.(i) (for Landfill Gas Flare emissions) must be completed for all landfills with a flare. Complete Table E.1(ii) and E.1(iii) for all other main emission points, including stack sources (incinerator stacks, landfill gas utilisation plants, air handling unit emissions etc.). Complete Table E.1(iv) for minor/fugitive/ground emission points.

E.2 Emissions to Surface Waters

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

Section E.2 is not applicable.

E.3 Emissions to Sewer

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

Section E.3 is not applicable.

E.4 Emissions to Groundwater

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

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

Supporting information should form **Attachment E.4**

E.5 Noise Emissions

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

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

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

E.6 Environmental Nuisances

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

TABLE E.6 ENVIRONMENTAL NUISANCES

Bird Control	**Control method specified**	**yes** ☒	**no** ☐	**not applicable** ☐
	Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐
Dust Control	**Control method specified**	**yes** ☒	**no** ☐	**not applicable** ☐
	Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐
Fire Control	**Control method specified**	**yes** ☒	**no** ☐	**not applicable** ☐
	Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐
Litter Control	**Control method specified**	**yes** ☒	**no** ☐	**not applicable** ☐
	Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐
Traffic Control	**Control method specified**	**yes** ☒	**no** ☐	**not applicable** ☐
	Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐
Vermin Control	**Control method specified**	**yes** ☒	**no** ☐	**not applicable** ☐
	Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐
Road Cleansing	**Control method specified**	**yes** ☒	**no** ☐	**not applicable** ☐
	Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

SECTION F CONTROL & MONITORING

F.1: Treatment, Abatement and Control Systems

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

For each Emission Point identified complete Table F.1 of the Annex, and include detailed descriptions and schematics of all abatement systems.

Attachment F.1 should contain any supporting information.

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

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

Include details of monitoring/sampling locations and methods.

F.2 Air
- to include Dust, Odour

Monitoring Arrangements specified	**yes** ☒	**no** ☐	**not applicable** ☐
Monitoring points identified, (plus 12-figure grid references)	**yes** ☐	**no** ☒	**not applicable** ☐
Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

F.3 Surface Water

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

Monitoring Arrangements specified	**yes** ☐	**no** ☐	**not applicable** ☒
Monitoring points identified, (plus 12-figure grid references)	**yes** ☐	**no** ☐	**not applicable** ☒
Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

F.4 Sewer Discharge

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

Monitoring Arrangements specified	**yes** ☐	**no** ☐	**not applicable** ☒
Monitoring points identified, (plus 12-figure grid references)	**yes** ☐	**no** ☐	**not applicable** ☒
Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

F.5 Groundwater

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

Monitoring Arrangements specified	**yes** ☐	**no** ☐	**not applicable** ☒
Monitoring points identified, (plus 12-figure grid references)	**yes** ☐	**no** ☐	**not applicable** ☒
Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

F.6 Noise

Monitoring Arrangements specified	**yes** ☒	**no** ☐	**not applicable** ☐
Monitoring points identified, (plus 12-figure grid references)	**yes** ☐	**no** ☒	**not applicable** ☐
Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

F.7 Meteorological Data

Monitoring Arrangements specified	**yes** ☐	**no** ☐	**not applicable** ☒
Monitoring points identified, (plus 12-figure grid references)	**yes** ☐	**no** ☐	**not applicable** ☒
Attachment included	**yes** ☐	**no** ☐	**not applicable** ☒

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

F.8 Leachate

Monitoring Arrangements specified	**yes** ☐	**no** ☐	**not applicable** ☐
Monitoring points identified, (plus 12-figure grid references)	**yes** ☐	**no** ☐	**not applicable** ☐
Attachment included	**yes** ☐	**no** ☐	**not applicable** ☐

F.9 Landfill Gas

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

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

Inlet					
Methane (CH_4) % v/v					
Carbon dioxide (CO_2) %v/v					
Oxygen (O_2) % v/v					
Outlet					
Volumetric Flow Rate					
SO_2					
Nox					
CO					
Particulates					
TA Luft Class I, II, III organics					
Hydrochloric acid					
Hydrogen Fluoride					

Table F.9(b) Landfill Gas Monitoring

	Gas boreholes / vents/ wells/ perimeter locations	Facility Office				
Methane (CH_4) % v/v						
Carbon Dioxide (CO_2) % v/v						
Oxygen (O_2) % v/v						
Atmospheric Pressure						
Temperature						

Table F.9 (c) Landfill Gas Infrastructure

Gas Collection System				
Gas Control System				

Monitoring Arrangements specified	**yes** ☐	**no** ☐	**not applicable** ☐
Monitoring points identified, (plus 12-figure grid references)	**yes** ☐	**no** ☐	**not applicable** ☐
Attachment included	**yes** ☐	**no** ☐	**not applicable** ☐

SECTION G RESOURCES USE & ENERGY EFFICIENCY

G.1 Raw Materials, Substances, Preparations and Energy

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

Attachment included	**yes** ☒ **no** ☐ **not applicable** ☐

G.2 Energy Efficiency

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

Attachment included	**yes** ☒ **no** ☐ **not applicable** ☐

SECTION H MATERIALS HANDLING

H.1 Waste Types and Quantities – Existing & Proposed

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

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

Waste Management Act 3rd Schedule (Disposal) Activities			Waste Management Act 4th Schedule (Recovery) Activities		
Class of Activity Applied For		Quantity (tpa)	Class of Activity Applied For		Quantity (tpa)
Class 1			Class 1		
Class 2			Class 2		
Class 3			Class 3		
Class 4			Class 4		
Class 5			Class 5		
Class 6			Class 6		
Class 7	✔	2,000	Class 7		
Class 8			Class 8		
Class 9			Class 9		
Class 10			Class 10		
Class 11			Class 11		
Class 12	✔	500	Class 12		
Class 13	✔	500	Class 13	✔	4,000

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

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

Year	Non-hazardous waste (tonnes per annum)	Hazardous waste (tonnes per annum)	Total annual quantity of waste (tonnes per annum)
2005	200	3,000	3,300
2006	250	4,000	4,450
2007	300	5,000	5,300
2008	400	6,600	7,000
2009	400	6,600	7,000

	17, 13 08 01, 13 08 99, 15 01 02, 15 01 10, 16 01 07, 16 08 09, 17 03 01, 17 03 02, 17 03 03, 17 05 03, 17 05 07 19 13 01, 19 13 03, 19 13 05 19 13 07		
Asbestos	-	0	0
Paint and Ink	-	0	0
Batteries	16 06 01, 16 06 02, 16 06 03, 16 06 04, 16 06 05, 16 06 06	0	240
Fluorescent Light Bulbs	20 01 21	0	10
Contaminated Soils	17 05 03, 17 05 05, 17 05 07 19 13 01, 19 13 03, 19 13 05, 19 13 07	0	50
OTHER HAZARDOUS WASTE (APPLICANT TO SPECIFY)			
Infectious Healthcare Waste	180101, 180103, 180104.	1,600	1,600
Other specified wastes and other wastes to be agreed with the Agency	16 05 04, 16 05 05, 16 01 12, 16 01 13, 16 01 14, 16 01 15, 16 01 99, 09 01 01, 09 01 02 09 01 03, 09 01 04, 09 01 05, 09 01 06, 09 01 07, 09 01 08, 09 01 09, 09 01 10, 09 01 11, 09 01 12, 09 01 13, 09 01 99	0	200

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

TABLE H.1 (C) WASTE TYPES AND QUANTITIES

No decision has been made on the proposed lifespan of the WTS

WASTE TYPE	TONNES PER ANNUM (existing)	TONNES PER ANNUM (proposed)	TOTAL (over life of site) tonnes
Household	0	0	
Commercial	0	400	*8,000 (assuming 20-year lifespan)
Sewage Sludge	0	0	0
Construction and Demolition	0	0	0
Industrial Non-Hazardous Sludges	0	0	0
Industrial Non-Hazardous Solids	0	0	0
Hazardous ***(Specify detail in Table H 1.2)**	1,600	6,600	*132,000 (assuming 20-year lifespan)
Inert Waste imported for restoration purposes			

*** TABLE H.1.2 HAZARDOUS WASTE TYPES AND QUANTITIES**

HAZARDOUS WASTE	DETAILED DESCRIPTION * REFERENCE SHOULD BE MADE TO THE RELEVANT EUROPEAN WASTE CATALOGUE CODES AS PRESENTED BY COMMISSION DECISION 2000/532/EC	Tonnes Per Annum (Existing)	(Tonnes Per Annum Proposed)
Waste Oil	Oil/Hydrocarbons (including interceptor wastes and tank bottoms), solvents and other flammable liquids 12 01 06, 12 01 07, 12 01 08, 12 01 09, 12 01 10, 13 01 01, 13 0104, 13 01 05, 13 01 09, 13 01 10, 13 01 12, 13 01 13, 13 02 04, 13 02 05, 13 02 06, 13 02 07, 13 02 08, 13 03 01, 13 03 06, 13 03 07, 13 03 08, 13 03 09, 13 03 10, 13 04 01, 13 04 02, 13 04 03, 13 05 01, 13 05 02, 13 05 03, 13 05 06, 13 05 07, 13 05 08, 13 07 01, 13 07 02, 13 07 03, 13 08 01, 13 08 02, 13 08 99, 14 06 02, 14 06 03, 16 07 08, 19 13 07.	0	4,000
Oil filters	05 01 03, 05 01 05, 05 01 05, 05 01	0	500

Attachment H.1 should contain any relevant additional information.

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

H.2 Waste Acceptance Procedures

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

H.3 Waste Handling

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

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

H.3a Waste Handling at the Landfill Facility

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

(a) a reduction by 16/07/06 to 75% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available;

(b) a reduction by 16/07/09 to 50% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available;

(c) a reduction by 16/07/16 to 35% by weight of the total amount of biodegradable municipal waste produced in 1995 or the latest year before 1995 for which standardised Eurostat data is available;

(d) Evidence should be provided to show that energy will be used efficiently.

H.4 Waste Arisings

Waste Arisings should be considered for all contaminated soil applications. Details of all waste materials generated on the site including, name, description and nature as well as the source(s) should be identified. The quantities of each type of waste

generated on an annual/monthly basis should be calculated and stated in Tables H.1(i) and H. 1(ii) of the application form. Applicants should also provide conversion factors used to relate volume (m^3) and tonnage (t) for their waste stream.

SECTION I EXISTING ENVIRONMENT & IMPACT OF THE FACILITY

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

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

I.1.Assessment of atmospheric emissions

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

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

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

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

I.2. Assessment of Impact on Receiving Surface Water

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

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

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

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

I.3. Assessment of Impact of Sewage Discharge.

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

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

I.4 Assessment of impact of ground/groundwater emissions

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

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

I.5 Ground and/or groundwater contamination

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

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

I.6 Noise Impact.

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

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

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

(ii) State the maximum Sound Pressure Levels which will be experienced at typical noise sensitive locations, outside the boundary of the operation.

(iii) Give details of the background noise levels experienced at the site in the absence of noise from this operation.

Prediction models, maps, diagrams and supporting documents, including details of noise attenuation and noise proposed control measures to be employed, should form **Attachment I.6.**

I.7 Assessment of Ecological Impacts & Mitigation Measures

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

SECTION J ACCIDENT PREVENTION & EMERGENCY RESPONSE

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

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

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

Supporting information should form **Attachment J.**

Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

SECTION K REMEDIATION, DECOMMISSIONING, RESTORATION AND AFTERCARE

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

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

Attachment included	yes ☒	no ☐	not applicable ☐

SECTION L STATUTORY REQUIREMENTS

L. 1 Section 40(4) WMA

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

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

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

Attachment included	yes ☒	no ☐	not applicable ☐

L.2 Fit and Proper Person

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

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

- Provide details of the applicant's technical knowledge and/or qualifications, along with that of other relevant employees (Link to Section C.1 of the application).

- Provide information to show that the person is likely to be in a position to meet any financial commitments or liabilities that may have been or will be entered into or incurred in carrying on the activity to which the application relates or in consequence of ceasing to carry out that activity (Link to Section K of the application).

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

Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

Please note

Table E.1 (i) – Not applicable

Table E.1 (ii), (iii) and (iv) – These tables have not been attached as emissions to atmosphere will be minor and will not impact on the quality of the ambient air. The proposed operations will all take place indoors. All packaged waste will be received on site in sealed containers. All bulk waste oils will be stored in appropriate tanks within bunded areas. No processing of waste will take place on site. Therefore, no monitoring points have been established yet. However, before commencement of any activity an environmental monitoring programme will be designed in line with any request made by the Agency

Table E.2 (i) and (ii) – These tables have not been attached as there is no direct discharge to surface water. Surface water run-off from external yard pavement, landscaped areas and roof run-off is collected in the surface water drainage system.

Table E.3 (i) and (ii) – These tables have not been attached as there will be no sewer emission from the site and therefore a monitoring programme is not deemed to be required.

Table E.4 (i) – As at present, domestic effluent only will be treated on-site in the packaged WWTP. This treated effluent will then percolate to groundwater.

Table E.5 (i) – The proposed activity will mean a decrease in plant equipment. Noise emissions will be generated on-site by motors associated with small pumps and light fork-lift trucks. The volume of delivery vehicles movement to and from the site will only increase by 2-4 movement daily. This will not lead to noise emissions becoming a nuisance.

Table F.1 – F.8 – Before commencement of any activity on site the licensee will forward all relevant detail on proposed noise, dust and odour monitoring to the Agency. If the Agency requests other parameters to be monitored then will be addressed also by the licensee.

Table G.1 – The required detail has been addressed in Attachment G.1

Table H.1 (i) & Table H.1 (ii) – No waste will be treated on site. Waste will be bulked-up on site and sent off site for appropriate to other licenced facilities. A list of the proposed off-site facilities is given in Attachment H.4.

Table I.2, I.4 – these tables have not bee completed due to the fact the licensee does not envisage the surface water and groundwater quality been effected by the proposed activities.

Table I.6 (ii) – The new proposed activities will take place within the existing building. There will only be a minor increase in traffic movements to and from the site. The only plant that will emit noise emissions are a couple of small pumps and two forklifts used to carry packaged waste to and from the storage areas. It is therefore believed that noise & vibrations emitted from the site will be low and will not lead to an environmental nuisance.

- Provide details of the applicant's technical knowledge and/or qualifications, along with that of other relevant employees (Link to Section C.1 of the application).

- Provide information to show that the person is likely to be in a position to meet any financial commitments or liabilities that may have been or will be entered into or incurred in carrying on the activity to which the application relates or in consequence of ceasing to carry out that activity (Link to Section K of the application).

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

Attachment included	**yes** ☒	**no** ☐	**not applicable** ☐

Please note

Table E.1 (i) – Not applicable

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Table F.1 – F.8 – Before commencement of any activity on site the licensee will forward all relevant detail on proposed noise, dust and odour monitoring to the Agency. If the Agency requests other parameters to be monitored then will be addressed also by the licensee.

SECTION M DECLARATION

Declaration

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

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

I have no objection to the provision by the Agency or local authority of a copy of the application or parts thereof to any person.

Signed by : Ed Mc Namara. **Date :** 16th Nov 06.
(on behalf of the organisation)

Print signature name: E. Mc NAMARA.

Position in organisation : CHAIRMAN

Company stamp or seal: