



Waste Licensing

Waste Recovery/Disposal Activities
(Other than Landfill)

EPA Reg. No.: (Office use only)	<input type="text"/>
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**Waste Licence Application by
Advanced Environmental Solutions (Ireland) Limited
Waste Transfer Station at
Nenagh, Co. Tipperary**

November 2007



Waste Licence Application Form

EPA Ref. N^o:

(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



WASTE Application Form

Environmental Protection Agency
Application for a Waste Licence

WASTE MANAGEMENT ACTS 1996 to 2003

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INTRODUCTION

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

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

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

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

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

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

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

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

CHECKLIST

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

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

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

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

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

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

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

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

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

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

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

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

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LOCATION	A.1.1	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

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

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

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

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

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

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

LOCATION	D.1.d & D.2	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

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

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

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

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

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

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

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

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

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

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

LOCATION	A.1.9 & E.3	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

EIA REQUIRED ? Y/N	N	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>
3 HARD COPIES OF EIS INCLUDED ? Y/N	N	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>
16 CD versions of EIS, as PDF files, PROVIDED? Y/N	N	
CHECKED	Applicant <input checked="" type="checkbox"/>	Official <input type="checkbox"/>

PROCEDURES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

SECTION A NON-TECHNICAL SUMMARY

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

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

Attachment A.1 – Non-Technical Summary**A.1.1 Background & Nature of the Facility**

Advanced Environmental Services Ltd. (AES) are one of Ireland's largest waste management and recycling companies. Their domestic waste collection service is availed of by up to 60,000 homes across the Midlands, while they also provide waste management services to approximately 5,000 commercial customers.

The Waste Management Plan for the Midlands Region (which includes North Tipperary) sets out specific policies and targets for specific waste streams.

AES currently operate a number of waste facilities in the Midlands Region including a waste transfer station in Nenagh, Co. Tipperary. These facilities provide important capacity to handle and recycle household & commercial waste in the region to assist in meeting the recycling targets set out in the Waste Management Plan.

The Nenagh Waste Transfer Station currently operates under a Waste Permit for Waste handling & Recovery Activities from North Tipperary County Council. The facility handles household, commercial and commercial & industrial waste. All waste accepted at the facility is non-hazardous in nature. All waste accepted at the facility is stored temporarily prior to transfer to recycling facilities, a Materials Recovery Facility or disposal to landfill where appropriate.

The existing facility consists of a Weighbridge, a Main Waste Building, a Garage Building and two portocabins containing Office Accommodation. All waste-related activities are confined to the Main Waste Building which mitigates any potential environmental nuisances. The facility currently operates from 8am until 5pm, Monday to Friday; it is proposed to operate the facility from 7am to 8pm, Monday to Saturday.

The facility currently handles in excess of 19,000 tonnes per annum. This Application is being submitted in order to obtain a Waste Licence to accept 24,750 tonnes per annum.

A.1.2 Classes of Activities

The classes of activity in accordance with the Third Schedule of the Waste Management Acts 1996 to 2007 are:-

Class 11: Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.

Class 12: Repackaging prior to submission to any activity referred to in this Schedule.

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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.

The classes of activity in accordance with the Fourth Schedule of the Waste Management Acts 1996 to 2007 are:-

Class 2: Recycling or reclamation of organic substances which are not used as solvents

Class 3: Recycling or reclamation of metals and metal compounds.

Class 4: Recycling or reclamation of other inorganic materials.

Class 12: Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.

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.

The Principal Activity proposed at the site is Class 13 of the Third Schedule as detailed above.

A.1.3 Quantity and Nature of Waste Handled

The main types of waste to be handled at the facility will be household (mixed residual waste and mixed dry recyclables; separately collected), commercial waste, construction & demolition waste. No hazardous waste will be accepted at the facility. The quantities and nature of waste to be accepted are shown in the table below.

WASTE TYPE	TONNES PER ANNUM (proposed)
Household	10,529
Commercial	12,730
Construction and Demolition	1,491

A.1.4 Raw and Ancillary Material

The primary raw materials utilised in the running of the facility are water, diesel & oil (hydraulic & engine). Electricity is used in the site lighting, weighbridge, automatic gates, and in the office and garage buildings.

A.1.5 Site Operating Procedures

Waste is delivered to the facility mainly by AES refuse collection vehicles used for kerbside collections, and skip collection vehicles. All vehicles delivering waste to the site must pass over the weighbridge and details are recorded using software linked to the office. All waste activities proposed in this Waste Licence Application are proposed to be carried out in existing site buildings.

All waste is transported to the main waste building where it is inspected prior to unloading or further handling. Unacceptable waste is rejected and any unacceptable waste inadvertently collected is stored in a waste quarantine area pending removal off site by an appropriate company. If staff are satisfied that the waste complies with the acceptance criteria; the waste will be stored temporarily pending transfer to another facility for recycling / recovery, further processing or disposal. There is no fixed plant

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or equipment for handling waste on the site. A Cat 312c excavator is used to handle the waste within the main waste building.

The full range of waste streams accepted are:

- Mixed Commercial Waste
- Mixed Commercial Packaging Waste
- Mixed Household Waste
- Household Dry Recyclables
- Construction & demolition waste
- Timber
- Metal

The construction & demolition waste stream is subjected to minor sorting within the main waste building. Different recyclable elements of this waste stream such as timber or metal etc may be extracted and stockpiled prior to transfer to appropriate facilities for recycling.

Within the main waste building there is a split-level design to facilitate the loading of waste prior to removal off site; waste is loaded into HGVs parked in the lower level. All waste handling, unloading and loading operations are confined to the main waste building.

A.1.6 Nature & Impacts of Emissions at the facility

Emissions to Air

The potential emissions to air from the operation of the facility are dust and odour. All waste being delivered to the facility will be in enclosed refuse collection vehicles or in covered containers. All waste-related activities will be restricted to the main waste building which also mitigates the potential nuisance from dust or odour. In addition, biodegradable waste which may have the potential to cause odour nuisance is removed off-site within 48 hours of delivery.

Dust levels at the facility established during recent monitoring undertaken indicate that dust generation at the facility are significantly below the EPA recommended level of 350mg/m²/day.

Odour nuisances from the facility have not been observed in the past. Nor have any complaints relating to odour been received or lodged by the public.

Emissions to Groundwater

There are no emissions to groundwater from this facility.

Emissions to Surface Water

Surface water and rainwater collected from the roofs of buildings at the facility are directed to an oil interceptor prior to discharge.

Noise Emissions

There may be noise emissions associated with the operation of this facility. The primary sources of noise at the Waste Transfer Station are outlined as follows:

- Heavy goods vehicles (HGVs) delivering waste to and collecting waste from the site.
- HGVs tipping waste materials in the waste inspection area within the main waste building at the site.
- Operation of an excavator for handling waste/recyclables within the main waste building.

The noise emissions from the facility are mitigated by restricting waste-handling activities to the main waste building. The facility is located on a county road opposite O'Brien's garage and workshop and within 45 metres of the R445 road to Limerick. A recent noise monitoring report indicated that while activities from the AES facility could be heard at nearby locations, activities occurring in the nearby garage and traffic passing on the county road had most influence on the noise levels.

A.1.7 Provision of Information related to Section 40(4) of the Waste Management Act

Compliance with Emission Standards

AES will operate the facility so as to comply with all emission standards and limits set out by the Environmental Protection Agency in the Waste Licence.

Avoidance of Environmental Pollution

The facility is designed and operated to ensure that the operation of the facility will not cause environmental pollution; some of the design features and operational practices that ensure this are indicated below:

Avoidance of Emissions to Air

- All waste is transferred in enclosed or covered vehicles
- All waste-handling is restricted to a main waste building
- All waste containing a biodegradable fraction is removed off site within 48 hours of delivery
- Water-spraying of hardstanding areas in periods of dry weather.

Avoidance of Emissions to Water

- The entire site is paved and has a drainage system to collect all surface water and rainwater arising.
- All discharge from the drainage system is directed through an oil interceptor.
- All run-off from waste tipped in the main waste building is directed to an underground tank and removed off site by an authorised company for treatment at a waste water treatment plant.
- All sanitary effluent from toilets in sites offices/buildings are directed to an underground tank and removed off site by an authorised company for treatment at a waste water treatment plant.
- All oil or diesel storage tanks are to be bunded appropriately or double skinned

Avoidance of Other Environmental Nuisances

- The site is cleaned regularly to prevent wind blown litter.

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- All waste will be stored within the main waste building and therefore will not be exposed.
- A vermin control plan was developed by a pest-control specialist and is being implemented and regularly inspected.
- Regular monitoring of agreed parameters as set out in the Waste Licence will ensure that environmental controls are performing

Best Available Technology (BAT)

AES will employ sites practices and best available technology in accordance with BAT principles to avoid any environmental pollution and prevent and mitigate any nuisance emissions from the facility.

This policy is consistent with the operation of AES’s other licensed facilities.

Fit and Proper Person

No employee of the applicant, AES, has been convicted of an offence under the Waste Management Act 1996.

Technical Competence & Site Management

AES is one of the leading waste management companies in Ireland and has successfully operated in this field for over 13 years. AES has extensive of operating licensed facilities and will operate the facility in strict accordance with the Waste Licence. The table below sets out the staff structure for the management of the facility.

Name	Position	Duties and Responsibilities	Experience /Qualifications
Liz Adaire	Site Environmental Manager	<ul style="list-style-type: none"> - Management of facility - Quality Control - Undertaking environmental training of facility staff - Ensuring site procedures are adhered to by all - Initiating Emergency Response Procedures as outlined in Attachment J. - Maintaining environmental records 	3 years operations / administrative experience of a waste facility FAS Waste Management Training Programme (Expected completion in 2008)
John Doheny	Operations Manager	<ul style="list-style-type: none"> - Managing operation of facility - Ensuring site procedures are adhered to by all 	3 years waste facility management experience 20 years haulage / logistics experience
Linda Cahill	Group Compliance Officer	<ul style="list-style-type: none"> - Developing Environmental Management System - Compliance issues 	BSc Env. Sc. 2 years experience
John MacNamara	Group Environmental Manager	<ul style="list-style-type: none"> - Overseeing management of facility - Responsible for reviewing environmental procedures 	BSc (Chem) Phd 7 years waste management experience

Financial Provision

AES is one of the leading waste management companies in Ireland and is now a wholly-owned subsidiary of Bord Na Móna. As such, AES are fully aware of their responsibilities to make financial provision in respect to the operation of a waste recovery facility as set out in Section 53 of the Act.

A.1.8 Monitoring And Sampling Arrangements

Proposed environmental monitoring is shown in the table below.

Parameter	Frequency
Dust	Three times annually
Noise	Annually
Surface waste	Quarterly

A.1.9 Off-site Treatment of Waste

All waste sent off site is transferred to authorised facilities for appropriate treatment – recovery, recycling, further processing or disposal. The full list of destinations for specific waste streams is set out in Table H.1 (ii). All vehicles involved in the transportation of waste are in possession of the appropriate collection permits.

A.1.10 Emergency Procedures

A set of emergency procedures have been developed for the facility to implement appropriate measures to prevent environmental pollution in the event of an emergency situation. Under these emergency procedures specific staff members have designated responsibilities. Events that would constitute an emergency situation include:

1. Spills
2. General Fire / Explosion
3. Internal/External Flooding
4. Malicious Damage
5. Other Unforeseen Emergencies

A.1.11 Closure, Restoration & Aftercare of the Site

It is envisaged that the facility will continue to operate over an open-ended period. In the event of a cessation of activities at the site a closure plan will be developed. This will involve removal of all waste from the site to appropriate destinations and decommissioning of all sources of environmental pollution on site. The facility will be monitored until it is fully decommissioned and there is no potential for emissions to the environment. The facility is easily convertible for commercial or light industrial use.

SECTION B GENERAL***B.1 Applicant's Details*****Name*:** Advanced Environmental Solutions (Ireland) Limited.**Address:** Unit 1, Monread Commercial Park,
Monread Rd.,
Naas
Co. Kildare**Tel:** 045 - 843800**Fax:** 045 - 981621**e-mail:**

* 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: Dr John MacNamara, Advanced Environmental Solutions (Ireland) Limited.**Address:** Unit 1, Monread Commercial Park,
Monread Rd.,
Naas
Co. Kildare**Tel:** 045 - 843800**Fax:** 045 - 981621**e-mail:** jmacnamara@aesirl.ie***Address of registered or principal office of Body Corporate (if applicable)*****Address:** Advanced Environmental Solutions (Ireland) Limited.Unit 1, Monread Commercial Park,
Monread Rd.,
Naas, Co. Kildare**Tel:** 045 - 843800**Fax:** 045 - 981621**e-mail:**

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

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

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

Landowner	<input type="checkbox"/>
Lessee	<input checked="" type="checkbox"/>
Prospective Purchaser	<input type="checkbox"/>
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: _____
Address: _____

Tel: _____
Fax: _____
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). An appropriately scaled drawing(≤A3) showing the above details should be included in Attachment B1.

Name: Christopher O'Brien
Address: Solsborough,
 Springfort Cross,
 Nenagh,
 Co. Tipperary
Tel: _____
Fax: _____
e-mail: _____

*Current at the time the application is submitted

Attachment B1.

The Registered Company Number of Advanced Environmental Solutions Ireland Ltd. is 224173. AES Company Directors are:

- Colm O' Gogain
- Tom Walsh
- Michael Barry

Attachment B1 also contains:-

- Certificate of Incorporation
- Certificate of change of name
- Ownership map (DG0003)

NUMBER

224173

Certificate of Incorporation

I hereby certify that

WASTE RECYCLING (IRELAND) LIMITED

is this day incorporated under
the Companies Acts 1963 to 1990
and that the company is limited.

Given under my hand at Dublin, this
Thursday, the 3rd day of November, 1994

E. S.

For Registrar of Companies

Fees and Deed Stamps	165.00
Stamp Duty on Capital	1.00

*Certified to be a true copy of the original
Arthur Cox 21/11/94*

Number 224173

Certificate of Incorporation on change of name

I hereby certify that

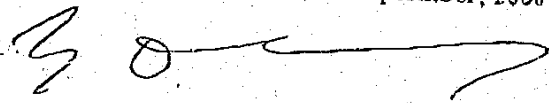
WASTE RECYCLING (IRELAND) LIMITED

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

ADVANCED ENVIRONMENTAL SOLUTIONS (IRELAND) LIMITED

and I have entered such name on the Register accordingly.

Given under my hand at Dublin, this
Wednesday, the 6th day of September, 2000




for Registrar of Companies

certified to be a true copy
Mickie Sinn 11.10.00



Agricultural land owned by Mr. David O'Brien

Legend:

 Extent of Area owned by Mr. Christopher O'Brien - Leased to AES



Client:



Advanced Environmental Solutions (Ireland) Ltd.
 Unit 1, Monread Commercial Park
 Monread Road
 Naas
 Co. Kildare
 T: 045-843800 F: 045-981621
 Email: info@aesirl.ie



RPS Consulting Engineers, Carnegie House,
 Library Road, Dun Laoghaire, Co. Dublin, Ireland.
 T: +353 1 202 0870 - F: +353 1 202 0707
 E: ireland@rpsgroup.com W: www.rpsgroup.com/ireland

NOTES

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2. All Levels refer to Ordnance Survey Datum, Malin Head.
3. DO NOT SCALE, use figured dimensions only, if in doubt ask.

No.	Date	By	App.	Amendment / Issue
A01	Nov'07	MS	MS	Issue for Approval
D01	Nov'07	MS	MS	Draft Issue

Project:

NENAGH WASTE TRANSFER STATION

Title:

OWNERSHIP MAP

Drawn by:	HF	Job No:	MDR0515
Checked by:	MS	File No:	MDR0515DG0003A01
Approved by:	LOT	Drg. No:	DG0003
Scale:	1:500 @ A3	Rev:	A01
Date:	Nov. '07		

B.2 Location of Activity

Name: Advanced Environmental Solutions (Ireland) Ltd.

Address*: Solsborough,
Springfort Cross,
Nenagh,
Co. Tipperary

Tel: 067 31226

Fax:

e-mail:

* Include any townland

National Grid Reference (8 digit 4E,4N)	184,923E 178,764N
--	-------------------

Location maps ($\leq A3$), appropriately scaled, with legible grid references should be enclosed in **Attachment B.2**. The site boundary must be outlined on the map in colour.


Attachment B.2

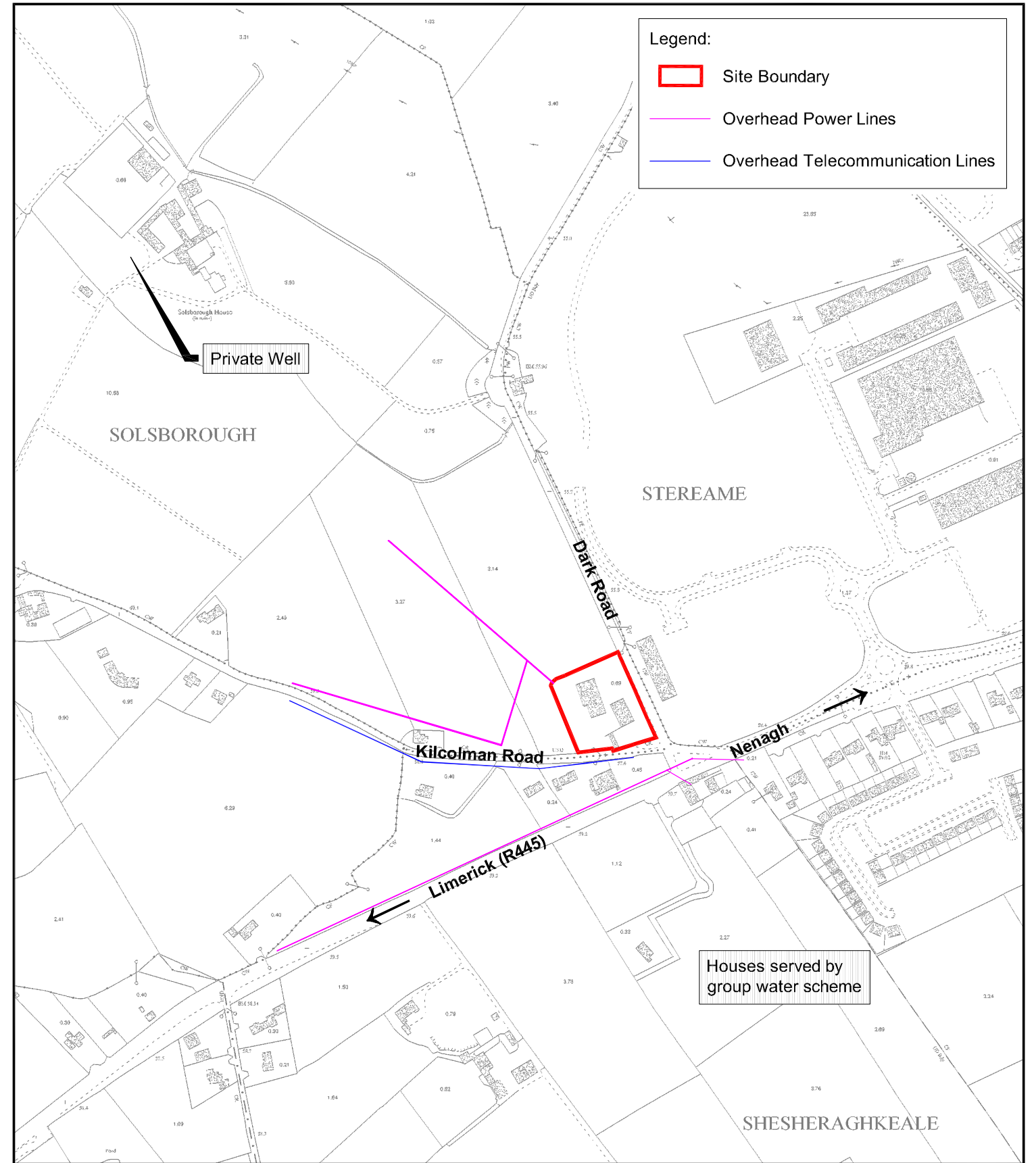
Attachment B.2 contains:-

- Location Map (DG0001)
- Site Layout Plan & Location of Site Notice (DG0002)
- Services Plan (DG0004)



Site Location Plan
Scale: 1:20,000 @ A3


 Ordnance Survey Ireland Licence No. EN0005006
 Copyright Government of Ireland



Site Layout Plan
Scale: 1:5,000 @ A3

Client:  Advanced Environmental Solutions (Ireland) Ltd.
 Unit 1, Monread Commercial Park
 Monread Road
 Naas
 Co. Kildare
 T: 045-843800 F: 045-981621
 Email: info@aesirl.ie


 RPS Consulting Engineers, Carnegie House,
 Library Road, Dun Laoghaire, Co. Dublin, Ireland.
 T: +353 1 202 0870 - F: +353 1 202 0707
 E: ireland@rpsgroup.com W: www.rpsgroup.com/ireland

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No.	Date	Amendment / Issue	App.
A01	Nov'07	Issue for Approval	LOT
D01	Nov'07	Draft Issue	LOT

Project: **NENAGH WASTE TRANSFER STATION**

Title: **SITE LOCATION PLAN**

Drawn by: HF	Job No: MDR0515
Checked by: MS	File No: MDR0515DG0001A01
Approved by: LOT	Drw. No: DG0001
Scale: As shown	Rev: A01
Date: Nov '07	



Legend:

Site Boundary



Location of site notice

Client:

AES Advanced Environmental Solutions (Ireland) Ltd.
Unit 1, Monread Commercial Park
Monread Road
Naas
Co. Kildare
T: 045-843800 F: 045-981621
Email: info@aesirl.ie

RPS Consulting Engineers

RPS Consulting Engineers, Carnegie House,
Library Road, Dun Laoghaire, Co. Dublin, Ireland.
T: +353 1 202 0870 - F: +353 1 202 0707
E: ireland@rpsgroup.com W: www.rpsgroup.com/ireland

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No.	Date	Amendment / Issue	App.
A01	Nov'07	Issue for Approval	LOT
D01	Nov'07	Draft Issue	LOT

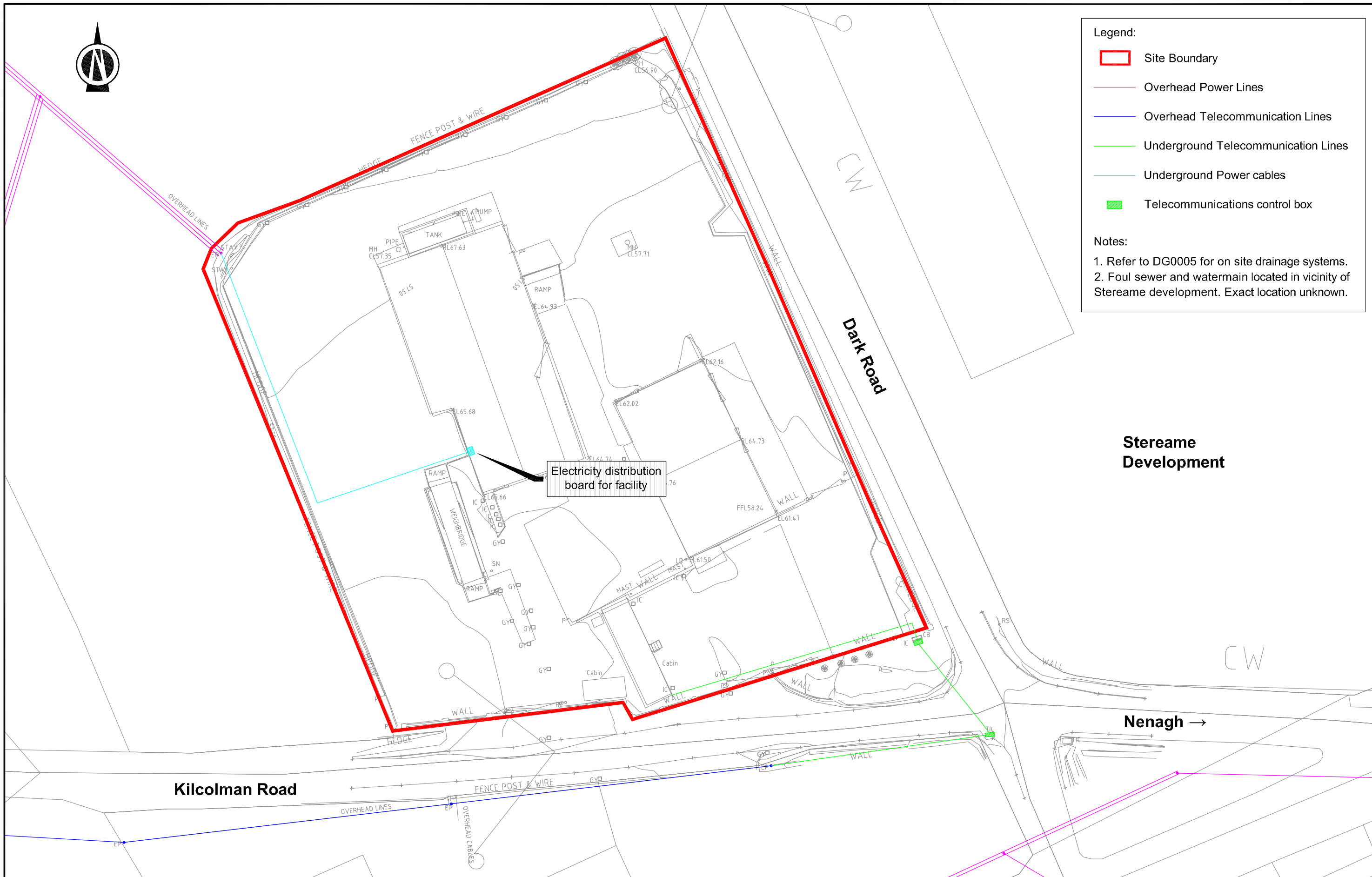
Project:

NENAGH WASTE TRANSFER STATION

Title:

SITE LAYOUT PLAN & LOCATION OF SITE NOTICE

Drawn by:	HF	Job No:	MDR0515
Checked by:	MS	File No:	MDR0515DG0002A01
Approved by:	LOT	Org. No:	Rev:
Scale:	1:500 @ A3	DG0002	A01
Date:	Nov '07		



Legend:

- Site Boundary
- Overhead Power Lines
- Overhead Telecommunication Lines
- Underground Telecommunication Lines
- Underground Power cables
- Telecommunications control box

Notes:

1. Refer to DG0005 for on site drainage systems.
2. Foul sewer and watermain located in vicinity of Stereame development. Exact location unknown.

**Stereame
Development**

Nenagh →

Client:



Advanced Environmental Solutions (Ireland) Ltd.
Unit 1, Monread Commercial Park
Monread Road
Naas
Co. Kildare
T: 045-843800 F: 045-981621
Email: info@aesirl.ie



RPS Consulting Engineers, Carnegie House,
Library Road, Dun Laoghaire, Co. Dublin, Ireland.
T: +353 1 202 0870 - F: +353 1 202 0707
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3. DO NOT SCALE, use figured dimensions only, if in doubt ask.

No.	Date	Amendment / Issue	App.
A01	Nov07	Issue for Approval	LOT
D01	Nov07	Draft Issue	LOT

Project:

**NENAGH WASTE
TRANSFER STATION**

Title:

SERVICES PLAN

Drawn by:	HF	Job No:	MDR0515
Checked by:	MS	File No:	MDR0515DG0004A01
Approved by:	LOT	Drg. No:	DG0004
Scale:	1:500 @ A3	Rev:	A01
Date:	Nov. '07		

B.3 Planning Authority

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

Name: North Tipperary County Council

Address: Civic Offices,

Limerick Road,

Nenagh

Co. Tipperary

Tel: 067 - 31771

Fax:

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

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

Planning Permission relating to this application:-

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

Local Authority Planning File Reference N^o:	PLC/ 24144
---	------------

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

Attachment B.3

Attachment B.3 contains:-

- Copy of planning permissions
- Copy of Waste Permit from North Tipperary County Council

Comhairle Chontae Thiobrad Arann (Thuaidh)
NORTH TIPPERARY COUNTY COUNCIL
Courthouse, Nenagh.



Waste Management Act, 1996

Waste Management (Permit) Regulations, 1998

WASTE PERMIT

Ref. No. In Register: WPTN 01

North Tipperary County Council, in exercise of the powers conferred on it by the Waste Management Act, 1996 and Waste Management (Permit) Regulations, 1998, hereby grants a Waste Permit to:

Advanced Environment Solutions (Ireland) Ltd
Unit 1, Monread Commerical Park,
Monread Road,
Naas,
Co Kildare

For premises at Springford, Nenagh, Co. Tipperary in respect of waste activities specified in **Class 11, 12 and 13 of the Third Schedule and Class 2, 3, 4, 12 and 13 of the Fourth Schedule** of the Waste Management Act, 1996 and subject to the conditions set out in the attached Schedule.

This Waste Permit is granted for a period not exceeding three years and may be reviewed or revoked prior to then by North Tipperary County Council.

Signed on behalf of the said Council:

**Director of Planning, Environment
and Corporate Services**

Order No.: _____

Date: _____



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INTERPRETATION

Act	The Waste Management Act 1996 (No. 10 of 1996)
Council	North Tipperary County Council
Disposal	Any of the activities provided for in Section 4 of the Act and listed in the Third Schedule thereof.
Emission	As defined in Section 5(1) of the Act
Environmental Pollution	As defined in Section 5 (1) of the Act.
European Waste Catalogue	As defined in Section 5 (1) of the Act.
Facility	That area or areas defined in condition 1.2 of this permit.
Hazardous Waste	As defined in Section 4 (2) of the Act.
Maintain	Keep in a fit state, including such regular inspection, servicing and repair as may be necessary to adequately perform its function.
Permit	A Waste Permit issued in accordance with the Waste Management (Permit) Regulations, 1998. (S.I. No. 165 of 1998).
Permit Holder	The person, or party to whom this permit has been issued.
Recycling	As defined in Section 5(1) of the Act.
Recovery	Any of the activities provided for in Section 4 of the Act and listed in the Fourth Schedule thereof.
Treatment	Any activity after the waste has been handed over to a facility for de pollution, dismantling, shearing, shredding, recovery or disposal of the shredding wastes, and any other operation carried out for the recovery and / or disposal of waste.
Waste	As defined in Section 4 (1) of the Act.
Waste Oil	Any mineral - based lubricating or industrial oils which have become waste. This includes all waste engine, gear, hydraulic, turbine or lubricating oils, ships oils slops, oil wastes from tank and interceptor cleaning activities.

ACTIVITIES PERMITTED

Permitted Waste Activity, in accordance with the Third Schedule
of the Waste Management Act 1996.

- Class 11** Blending or mixture prior to submission to any activity referred to in this Schedule.
- Class 12** Repackaging prior to submission to any activity referred to in this Schedule
- Class 13** Storage prior to submission to any activity referred to in this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.

Permitted Waste Activity, in accordance with the Fourth Schedule
of the Waste Management Act 1996.

- Class 2** Recycling or reclamation of organic substances, which are not used as solvents.
- Class 3** Recycling or reclamation of metals and metal compounds.
- Class 4** Recycling or reclamation of other inorganic materials.
- Class 12** Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule
- 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.

NOTE

THE GRANTING OF THIS PERMIT, AND ANY CONDITION IMPOSED BY IT, DOES NOT EXEMPT THE HOLDER OF THE PERMIT FROM COMPLYING WITH THE STATUTORY OBLIGATIONS OF ANY RELEVANT LEGISLATION, INCLUDING WATER POLLUTION, AIR POLLUTION, WASTE, LITTER AND PLANNING LEGISLATION

SCHEDULE OF CONDITIONS.

CONDITION 1: SCOPE OF PERMIT

- 1.1 This waste permit is issued under the Waste Management (Permit) Regulations, 1998 to: **Advanced Environment Solutions (Ireland) Ltd**, Unit 1, Monread Commercial Park, Monread Road, Naas, Co Kildare, for **Waste Handling and Recovery Activities**, at Springford Nenagh Co., Tipperary, i.e. the Permit Holder. The permit is non- – transferable.
- 1.2 The waste handling and recovery activities shall be confined to the area indicated in the submitted drawings and shall take place only as specified in the permit application dated 13th November 2003.
- 1.3 The Permit Holder shall be responsible for ensuring that the waste handling and recovery activities shall be controlled, operated and maintained in strict accordance with the terms of the application and/or controlled by the conditions attached to this permit
- 1.4 The Permit Holder shall give notice in writing to the Council of any significant changes in the information furnished in the application for the permit. Such notice shall be given under article 10 (1) or article 12 (1) of the Waste Management (Permit) Regulations, 1998, within three weeks of any such change arising. On receipt of this information, the Council may require a new waste permit application to be submitted.
- 1.5 In operating the Waste Handling and Recovery Facility at, Springford, Nenagh, Co. Tipperary, the Permit Holder will obtain the following insurance:
- ξ A Public Liability Policy in the name of the permit holder in relation to the operation of the facility but extended to indemnify the local authority.
- The Permit Holder must submit details of the above insurance to the Council for approval within three (3) weeks of the date of issue of this permit.
- 1.6 The Permit Holder shall take out and maintain a bond to provide for the clearing of the site in the event of the permit holder ceasing trading. Details of the bond to be agreed with the Environment Section of the Council and evidence that the bond has been put in place shall be provided to the Council within three (3) weeks of the date of issue of this permit.
- 1.7 This permit is valid for a period of three (3) years from the date of issue. The conditions of this permit may be reviewed or altered at any time during its life by the Council. In the event of the permit being extended beyond its expiry date, the Council shall have the right to impose any condition, modification, alteration or deletion to any part of the conditions, which it deems necessary, due or appropriate.

1.8 Failure to comply with any condition herein shall render the permit void.

REASON: *To clarify the scope of this waste permit.*

CONDITION 2: MANAGEMENT OF THE ACTIVITY

- 2.1 The Permit Holder shall employ the best available technology (**BAT**) in the avoidance and minimisation of the production of new wastes on site and the recovery of waste brought on site.
- 2.2 The Permit Holder is legally responsible for all aspects of the operation and maintenance of the site. Nothing in the granting of this permit in anyway reduces the legal liabilities of the Permit Holder, nor relieves the Permit Holder of his / her statutory obligations under any enactment whatsoever.
- 2.3 The Permit Holder shall ensure that all staff, employees, lessees and agents, including replacement personnel, are aware of the provisions and conditions of this permit.
- 2.4 A copy of this permit shall be kept on site at all times.
- 2.5 The permitted site shall be adequately manned and supervised, during times of operation. The Permit Holder shall ensure that the Facility Manager or an experience deputy shall be present during the operation of the facility and shall be available to meet with authorised persons of the local authority on-site at all reasonable times. The Permit Holder shall identify to the Council, in writing, the Facility Manager and Deputy, and a brief outline of their experience, within three (3) weeks of the date of issue of this permit. The Council shall be notified in the event of change of personnel occurring within three (3) weeks and also include a brief outline of the personnel's experience. The facility at all times shall be maintained to the satisfaction of the Council, and adequate precautions shall be taken to prevent unauthorised access to the site.
- 2.6 The Permit Holder shall ensure that authorised staff of the Council shall have unrestricted access to the premises at all reasonable times on production of identification, if required, for the purposes of the Council's functions under the Waste Management Act.
- 2.7 Waste in the form as outlined in Condition 5.1, shall only be accepted at the Facility between the hours of 08.00 and 22.00 Monday to Saturday inclusive (excluding Sundays, Bank and National Holidays). No activities that generate noise in excess of the limits, set out in Condition 6.11, shall operate outside the above times.
- 2.8 No hazardous waste, as described in the Waste Management Act, 1996, shall be accepted at the facility. The quantity of waste to be accepted at the facility shall not exceed 5,000 tonnes per annum.
- 2.9 Waste shall only be stored in the storage areas agreed with by North Tipperary County Council.

- 2.10 All waste arriving at the facility shall be subjected to a visual inspection. Materials other than those permitted shall be removed immediately to a dedicated waste quarantine area, which shall be separate from the other waste storage areas. Suspect waste not complying with the permit shall be disposed of (or recovered) at an alternative approved facility. Details of the on site quarantine area shall be agreed with the Environment Section of the Council within three (3) weeks of the issuing of this permit.
- 2.11 Burning of waste or any other material shall not be permitted at the facility.
- 2.12 The Permit Holder is required to ensure that the facility complies with all necessary planning requirements as set out by North Tipperary County Council for the facility. The granting of this Permit does not in anyway exempt the Facility from planning requirements.

REASON: *To make provision for the proper management of the facility.*

CONDITION 3: NOTIFICATION AND RECORD KEEPING

- 3.1 All written communications with the Council shall be addressed to the Director of Planning, Environment and Corporate Services, North Tipperary County Council, The Courthouse, Nenagh, Co Tipperary.
- 3.2 The Permit Holder shall maintain a register, open to inspection by authorised officials from the Council, of the following records on the site: And the information shall be made available to the Council on request.
- (i) the quantity of waste, received at the site;
 - (ii) the dates and times of deliveries to the site;
 - (iii) the names of the carriers and the vehicle registration numbers;
 - (iv) the origin of each delivery;
 - (v) the name of the person who received the loads at the facility;
 - (vi) the destination of all waste materials moving off the site;
 - (vii) Where loads are removed or rejected, details of the date of occurrence, the types of waste and the facility to which they were removed.

- 3.3 The Permit Holder shall immediately notify the Senior Engineer (Environment) of the Council, by telephone / fax of any incident which occurs as a result of the activity on the site, and which:

- ξ has the potential for environmental contamination of surface water or ground water, or
- ξ poses an environmental threat to air or land, or
- ξ requires an emergency response by the Council.

Full details shall be forwarded in writing on the next working day. The Permit Holder shall make a record of any such incident in a register to be maintained on the site.

The Permit Holder shall make a record of any such incident in a register, to be maintained on site.

- 3.4 The Permit Holder shall maintain on the site a register of all complaints received relating to the operation of the activity. Each such complaint entry in the register should give details of the following:

- ξ time and date of the complaint;
- ξ the name of the complainant;
- ξ details of the nature of the complaint;
- ξ actions taken to deal with the complaint, and the results of such actions;
- ξ the response made to each complaint.

After the receipt of a complaint, the Council shall be notified in writing as soon as possible and in any event not later than ten (10) working day following the complaint.

- 3.5 The Permit Holder shall keep records of any of the following incidents;
- ξ Any emission that does not comply with the requirements of this licence
 - ξ Any fire or emergency
 - ξ All steps taken to control or minimise the emissions and/or emergency.
- 3.6 The Permit Holder shall make all records maintained on the site available to staff of the Council at all reasonable times, and shall provide any relevant information when so requested by an authorised person of the Council.
- 3.7 The Permit Holder shall notify the Council, in writing, within seven (7) days of:
- ξ the imposition of any requirement on the Permit Holder by order of a court under Section 57 or 58 of the Act, or
 - ξ any conviction of the Permit Holder for any offence prescribed under the Act.
- 3.8 In the event of the waste handling and recovery activities ceasing on the site a report shall be submitted to the Environment Section of North Tipperary County Council. This report shall include the information contained in the registers described above, and details of any court order or conviction under the Act. In addition, the Permit Holder shall include in the report a written summary of compliance with all of the conditions attached to the permit.
- 3.9 The Permit Holder shall initiate an adequate programme for the maintenance of the interceptor traps. A register shall be kept of all maintenance work carried out on such units and this information shall be made available to the Council on request.
- 3.10 Not later than February 28th in each year, the Permit Holder shall submit to the Council's Environment Section, an Annual Environmental Report (AER) for the preceding calendar year. The AER will include details of:
- (a) compliance with all the conditions attached to the permit;
 - (b) the management and staffing structure of the site;
 - (c) any court order or conviction under the Act;
 - (d) quantity and type of wastes accepted at the site;
 - (e) any loads rejected at the site;
 - (f) reportable incidents;
 - (g) all complaints received;
 - (h) the destination of all wastes disposed of from the facility during the year.
- 3.11 All waste recovery activities shall take place only as specified in the application received 13th November 2003, as modified and/or controlled by the terms of this Permit. No material change in the type of waste accepted or the type of activities undertaken may be made without the prior consent of North Tipperary County Council.

- 3.12 The permit holder shall give notice in writing to the Council of any significant changes in the information furnished to the Council in the application of 13th November 2003, within three weeks of any such changes arising.

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

CONDITION 4: SITE INFRASTRUCTURE

- 4.1 The Permit Holder shall establish on site all infrastructures referred to in the permit application or required in this permit, and ensure that the infrastructure is brought into use within three (3) months of the date of this Permit. The layout of the facility and infrastructure shall be as specified as on the drawings submitted with the application or as otherwise agreed with North Tipperary County Council, subject to planning permission. As constructed drawings are required, to be submitted, within three (3) months of the date of this Permit.
- 4.2 Doors and gates shall be shut and locked when the facility is unsupervised.
- 4.3 The Permit Holder shall provide and maintain an administrative office and car parking area at the facility.
- 4.4 The Permit Holder shall provide and use adequate lighting during the operation of the facility in hours of darkness.
- 4.5 Within two months of the date of the grant of this permit, an identification board shall be provided and maintained on the facility so that it is legible to persons outside the main entrance to the facility. The minimum dimensions of the identification board shall be 1200mm by 750mm.
- 4.6 Board shall clearly show:
- The name and telephone number of the facility.
 - That the facility has a Waste Permit from North Tipperary County Council Waste Permit No. WPTN 01, granted on the date of the permit.
 - The normal opening hours of the facility.
 - The name, address and telephone number of the permit holder.
- 4.7 The Permit Holder shall provide and maintain an inspection bay/ quarantine area on the facility to specification agreed by the Council within three (3) months of the date of issue of this Permit.
- 4.8 The Permit Holder shall provide a Weighbridge at the facility.
- 4.9 The site boundary to have a 1.6m minimum high chain link fence or agreed alternative.

REASON: *To provide for efficient operations on site and the protection of the environment.*

CONDITION 5: WASTE ACCEPTANCE AND HANDLING

5.1 Waste that is accepted at the site shall be restricted to the following types:

Waste Type	Tonnes Per Annum
Mixed Municipal Waste (from Construction/Demolition, Industrial, Domestic and Commercial Facilities)	3350
Construction & Demolition Waste (Wood, Soils and Stone, Glass Metals etc)	270
Packaging Waste (Cardboard, Paper, Plastic, Wood, Glass, Metal)	1380

The Permit Holder shall ensure that adequate steps are taken to prevent acceptance of any other waste types.

- 5.2 The Permit Holder shall ensure that adequate steps are taken to prevent unauthorised entry of wastes to the site. All waste arriving at the facility shall be subjected to a visual inspection. Any waste deemed unsuitable for processing at the facility and / or in contravention of this permit, shall be immediately separated, stored in a designated quarantine area and removed off site by an approved waste collection permit holder, at the earliest possible time. Such waste shall be disposed of (or recovered) at an alternative facility with an appropriate waste permit or waste licence.
- 5.3 The Permit Holder shall not allow any over-spill of waste outside the business premises outlined on the site plan submitted with the permit application.
- 5.4 The Permit Holder shall not accept hazardous waste. Any waste deemed unsuitable for processing at the facility and/or in contravention of this permit, shall be immediately separated, stored in a designated quarantine area and removed off site by an approved waste collection permit holder, at the earliest possible time. Such waste shall be disposed of (or recovered) at an alternative facility with an appropriate waste permit or waste licence.

REASON: *To provide for the acceptance and management of wastes authorised under this waste permit.*

CONDITION 6: NUISANCES, EMISSIONS AND ENVIRONMENTAL IMPACTS

- 6.1 The Permit Holder shall ensure that the storage activities on the site shall be carried out in such a manner as not to have an adverse affect on the general environment and specifically the drainage of adjacent lands, roads, watercourses, field drains or any other drainage system.
- 6.2 The Permit Holder shall take adequate precautions to prevent undue noise, fumes, dust, grit, untidiness and other nuisances during the course of the activities on site, which would result in a significant impairment of, or interference with, amenities or the environment beyond the boundary of the business premises. If unacceptable levels occur, as defined by the relevant standards, the Permit Holder shall abide by the Council's abatement requirements, which may include immediate cessation of operations.
- 6.3 The Permit Holder shall take adequate steps to ensure that no material of any sort can fall or be blown from vehicles delivering waste to the site.
- 6.4 The Permit Holder shall take adequate steps to ensure that vehicles entering or leaving the site do not deposit material of any sort onto the roadway or adjoining lands. Any such debris shall be removed without delay
- 6.5 No waste shall be burned on site.
- 6.6 The Permit Holder shall inspect the site perimeter at least twice per week for nuisances caused by vermin, litter, or odours. The Permit Holder shall remove all litter from the site and its environs without delay. A record shall be kept of inspections and any actions taken as a result of these inspections.
- 6.7 Revised details of site surface water drainage, including all gullies, interceptors' traps, etc, shall be submitted for the agreement of the Environment Section of the council within two (2) months of the issuing of this permit.

A visual examination of the surface water discharge shall be carried out weekly and a log of such inspections shall be maintained at the site office. Should any analyses or observations made on the quality or appearance of surface water runoff indicate that contamination has taken place, the Permit Holder shall:

- (i) carry out an immediate investigation to identify and isolate the source of the contamination;
- (ii) put in place measures to prevent further contamination and to minimise the effects of any contamination on the environment;
- (iii) notify the Council as soon as possible.

- 6.8 Within the lifetime of this permit, the Permit Holder shall install such groundwater quality monitoring boreholes as may be required by the Council.
- 6.9 The loading and unloading of waste material shall be carried out in designated areas protected against spillage and leachate run-off. While awaiting disposal, all waste shall be collected and stored indoors in designated areas, which shall be protected against spillage and leachate run-off.
- 6.10 All tank and storage areas shall be rendered impervious to the materials stored therein. In addition, tank storage areas shall, as a minimum be bunded, to a volume not less than the greater of the following:
- (i) 110% of the capacity of the largest tank or drum within the bunded area;
 - (ii) 25% of the total volume of substance which could be stored within the bunded area.

A competent person shall test all bunds once per year and a report of such tests shall be included in the Annual Environmental Report.

The Permit Holder shall ensure the full implementation of this condition within 3 months of the date of this permit, and notify the Council when completed in order that an inspection may be undertaken.

- 6.11 Activities on-site shall not give rise to noise off-site, at noise sensitive locations, which exceed the following sound pressure limits:

Lart 55 dB(A) 08.00 – 22.00 (Mon – Fri) t = 30 mins
Lart 45 dB(A) 22.00 – 08.00 and weekends t = 30 mins

There shall be no clearly audible tonal component or impulsive component in the noise emission from the activities on site at any noise sensitive location. The Permit Holder shall immediately carry out a noise survey of the site operations if so requested by the Council.

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

CONDITION 7: ENVIRONMENTAL MONITORING

- 7.1 Authorised staff of the Council shall have unrestricted access to the site at all reasonable times, on production of identification if requested, for the purposes of their functions under the Waste Management Act 1996, including such inspections, monitoring and investigations as are deemed necessary by the Council.
- 7.2 The Permit Holder shall grant immediate and unhindered access to the site, including sewers and pipes, at all reasonable times to any authorised personnel representing any Statutory body having responsibility for environmental pollution control to carry out such inspections, monitoring and investigations as the body deems necessary.
- 7.3 A competent member of staff shall visually inspect the interceptor trap and the stormwater discharge point on a weekly basis and a record of such inspections shall be maintained at the site office.
- 7.4 If so requested by the Council, the Permit Holder shall, at his own expense, carry out such further investigations and monitoring of the facility as required by the Council. The scope, detail and programme, including report structure and reporting schedule, for any such investigations and monitoring shall be in accordance with any written instructions issued by the Council.
- 7.5 In the event that any monitoring or observations indicate that an incident of pollution of waters in the vicinity of the site, or an incident of leachate discharge onto adjoining lands, has taken place or may have taken place, reception of waste onto the site shall cease, and remedial measures shall be carried out immediately. The Environment Section of the Council shall be informed immediately of the incident and the company shall undertake any remedial measures as directed by the Council.

REASON: *To ensure compliance with the requirements of the conditions of the licence.*

CONDITION 8: RESTORATION AND AFTERCARE

- 8.1 If cessation of operations occurs, the applicant will be responsible for the proper cleaning of the site, which shall be nuisance-free and environmentally non-damaging, and for the restoring of the site and its environs to a state where all wastes are properly disposed of in a safe and satisfactory manner, within 3 months of the closing of the facility.

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

CONDITION 9: CONTINGENCY ARRANGEMENTS

- 9.1 A supply of absorbent material shall be kept on site to provide an emergency response in the event of an oil leak or similar emergency.
- 9.2 Adequate fire extinguishers and emergency response equipment shall be maintained on site.
- 9.2 The Permit Holder shall ensure that an Emergency Response Procedure (ERP) is in place that shall address any emergency situation, which may originate on-site. This procedure shall include provision for minimising the effects of any emergency on the environment. This ERP is to be submitted to the Council not more than six (6) months after the date of issue of the Permit.

REASON: To provide for the protection of the environment by control of fire risk.

CONDITION 10: CHARGES AND FINANCIAL PROVISIONS

- 10.1 The permit holder shall pay an annual contribution of €900.00 to North Tipperary County Council towards the costs of inspecting, monitoring or otherwise performing any functions in relation to the permit activity. The permit holder shall pay this amount to North Tipperary County Council within three (3) weeks of the date of issue of this permit and thereafter not later than January 31st of each year, commencing on the 31st of January 2005. The amount payable in subsequent years shall be updated in accordance with changes in the consumer price index from the date of the grant of permit to the renewal date.
- 10.2 In the event that the frequency or extent of monitoring or other functions carried out by the Council need to be increased for whatever reason the permit holder shall contribute such sums as are determined by the local authority to defray costs.

REASON: To provide for adequate financing for monitoring of the activity.

NORTH TIPPERARY COUNTY COUNCIL.
LOCAL GOVERNMENT (PLANNING AND DEVELOPMENT) ACTS
1963-1999.

NOTIFICATION OF A GRANT OF PERMISSION
SUBJECT TO CONDITIONS

REF: NO: PLC/ 24144

TO: Christopher O'Brien,
T/A O'Brien Waste Recycling,
C/o Limford Arch Services,
Unit 4 D Workspace,
Connolly Street, Nenagh,
Co. Tipperary.

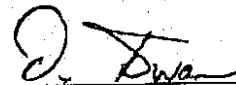
DEVELOPMENT: Extend existing waste sorting and compacting building to provide bring to recover transfer centre, to install weigh bridge with portacabin, pay station, alterations to workshop, new offices and road sign.

LOCATION: Solsborough, Nenagh.

Permission was granted on 02nd January, 2002, for the development described above subject to the Notification of Decision to grant PERMISSION dated 30th November, 2001.

You are hereby advised that unless the development described above is carried out within five (5) years from the date of Grant of PERMISSION, this permission will cease to have effect.

SIGNED ON BEHALF OF
DIRECTOR OF SERVICES



**PLEASE RETAIN THIS DOCUMENT CAREFULLY AS COPIES COST A
STATUTORY FEE OF €9.25/£7.30**

TIPPERARY (NORTH RIDING) COUNTY COUNCIL

**LOCAL GOVERNMENT (PLANNING AND DEVELOPMENT) ACTS 1963 - 1999
NOTIFICATION OF DECISION TO GRANT A PERMISSION
(SUBJECT TO CONDITIONS)**

TO/ Christopher O'Brien,
T/A O'Brien Waste Recycling,
C/o Limford Arch. Services,
Unit 4D Workspace,
Connolly Street, Nenagh,
Co. Tipperary.

Reference No. in Planning
Register: PLC/24144

Application received
on: 27/06/01, 17/09/01
and 05/10/01

In pursuance of the powers conferred upon them by the above mentioned Acts, Tipperary (North Riding) County Council has by Order dated 28th November, 2001 decided to grant you a PERMISSION for development of land namely:- Extend existing waste sorting and compacting building to provide bring to recover transfer centre, to install weigh bridge with portacabin, pay station, alterations to workshop, new offices and road sign at Solsborough, Nenagh.

SUBJECT TO THE CONDITION(S) OUTLINED ON THE ATTACHED SCHEDULE (1 TO 8 PAGES 1 TO 1).

If there is no appeal against the said decision, a Grant of a Permission in accordance with the Decision will be issued after the expiration of the period within which an appeal may be made to An Bord Pleanála. (See Footnote).

It should be noted that until a Grant of a Permission has been issued the development in question is NOT AUTHORISED.

The applicant is advised that unless the development described above is carried out within five (5) years from the date of Grant of Permission, planning permission will cease to have effect. See Sections 2, 3, and 4 of the Local Government (Planning and Development) Act, 1982.

FOOTNOTE: An appeal against a decision of a Planning Authority under the Local Government (Planning and Development) Acts, 1963 to 1999 may be made to An Bord Pleanála, Floor 3, Block VI, Irish Life Centre, Lower Abbey Street, Dublin 1 (Tel. (01) 8728011). All Appeals either by the applicant or a third party must be received by An Bord Pleanála within one month beginning on the date of the making of the Decision by the Planning Authority. Appeals posted within the permitted period but received after the latest date will be invalid. (Note: Where the latest date for receipt of an Appeal falls on a day when the offices of the Board are closed (Week-Ends, Public Holidays, etc.), the latest date for receipt will be the next day on which the offices are open).

An appeal must be made in writing and state (a) The name and address of the applicant, (b) The subject matter of the Appeal, and (c) The full grounds of appeal and the reasons, considerations and arguments on which they are based. An appeal must also be accompanied by the appropriate fee as set out hereunder:- (a) Appeal against a decision of a Planning Authority on a planning application relating to commercial development by the person by whom the application was made - £300.00/€380.92. (b) Appeal other than an appeal mentioned at (a) above - £120.00/€152.37. Any appeal to the Board which is not accompanied by the appropriate fee shall be invalid.

A commercial development means development for the purposes of any professional, commercial or industrial undertaking, development in connection with the provision for reward of services to persons or undertakings, or development consisting of the provision of two or more dwellings, but does not include development for the purposes of agriculture.

N.B. An appellant is not entitled to elaborate upon or make further submissions in writing in relation to the grounds of Appeal unless requested to do so by the Board.

Signed on behalf of the said Council Mary B.S. Date: 30 November, 2001

for Director of Services

Planning Environment & Development

- (1) The proposed development shall be carried out in accordance with the details and revised layout plans received by the Planning Authority on 05th October 2001.
REASON: For the sake of clarity.
- (2) Prior to commencement of development a comprehensive landscape scheme shall be submitted to and agreed in writing by the Planning Authority, which shall be implemented during the first planting season following commencement of development. The proposed scheme shall provide for planting of hedges and trees on the site boundaries so as to screen the site. All existing trees on the Dark Road boundary shall be retained.
REASON: In the interest of visual amenity.
- (3) Prior to commencement of development details of the external finishes to the proposed building shall be submitted to and agreed in writing by the Planning Authority.
REASON: In the interest of visual amenity.
- (4) No signage shall be displayed at the site without the written agreement of the Planning Authority apart from that shown on the submitted plans.
REASON: In the interest of visual amenity.
- (5) Prior to the bringing into use of the Bring to Recovery and Transfer Station all areas associated with it shall have been suitably delineated and marked out as shown on the submitted layout plan.
REASON: In the interest of traffic safety.
- (6) The boundary fence adjacent to the truck entrance shall be set back as shown on attached plan as part of the development and the area between the new boundary fence and the roadway shall be finished in a hard surface suitable for car parking and graded inwards from the road edge at 3% grade.
REASON: In the interest of traffic safety.
- (7) No surface water from the development shall discharge onto the public road.
REASON: In order to prevent flooding of the public road.
- (8) Before any development commences on site the developer shall pay to the Planning Authority a sum of money as a contribution towards expenditure incurred or to be incurred within 7 years in respect of the provision of community facilities in the relevant electoral area, the amount of such contribution to be computed as having a cash value of £4688 (£5952.53) at the 01st December, 2001 thereafter subject to adjustment in accordance with the Housing Building Cost Index as published by the Department of the Environment or the prevailing rate of the Planning Authority at date of payment of such contribution whichever is the lesser.
REASON: It is considered reasonable that the developer should contribute to the cost of community facilities which will facilitate the development.

TIPPERARY (NORTH RIDING) COUNTY COUNCIL

LOCAL GOVERNMENT (PLANNING AND DEVELOPMENT ACTS 1963-1993)

NOTIFICATION OF A GRANT OF PERMISSION

Reference No. in Planning Register: PLC/20932

TO/ Christopher O'Brien,
C/O Margaret Kirwin,
APM, Architects,
21 Connolly Street,
Nenagh.

DEVELOPMENT: Retention of existing sorting/compactor building and septic tank.

LOCATION: Solsborough, Nenagh.

PERMISSION was granted on 5 August, 1999 on the development described in accordance with the Notification of Decision to grant PERMISSION dated 6 July, 1999.

You are hereby advised that unless the development described above is carried out within five (5) years from the date of Grant of PERMISSION, this permission will cease to have effect.

SIGNED ON BEHALF OF
THE CO. SECRETARY



06 August, 1999

Copy sent to Area Engineer, Newport

TIPPERARY (NORTH RIDING) COUNTY COUNCIL

**LOCAL GOVERNMENT (PLANNING AND DEVELOPMENT) ACTS 1963 - 1993
NOTIFICATION OF DECISION TO GRANT A PERMISSION
(WITHOUT CONDITIONS)**

TO/ Christopher O'Brien,
C/o Margaret Kirwan,
APM, Architects,
21 Connolly St., Nenagh.

Reference No. in Planning
Register: PLC/20932

Application received
on: 12/05/99.

In pursuance of the powers conferred upon them by the above mentioned Acts, Tipperary (North Riding) County Council has by Order dated 4th July, 1999, decided to grant you a PERMISSION for development of land namely:- **Retention of existing sorting/compactor building and septic tank at Solsborough, Nenagh.**

If there is no appeal against the said decision, a Grant of a Permission in accordance with the Decision will be issued after the expiration of the period within which an appeal may be made to An Bord Pleanala. (See Footnote).

It should be noted that until a Grant of a Permission has been issued the development in question is NOT AUTHORISED.

The applicant is advised that unless the development described above is carried out within five (5) years from the date of Grant of Permission, planning permission will cease to have effect. See Sections 2, 3, and 4 of the Local Government (Planning and Development) Act, 1982.

FOOTNOTE: An appeal against a decision of a Planning Authority under the Local Government (Planning and Development) Acts, 1963 to 1993 may be made to An Bord Pleanala, Floor 3, Block VI, Irish Life Centre, Lower Abbey Street, Dublin 1 (Tel. (01) 8728011). All Appeals either by the applicant or a third party must be received by An Bord Pleanala within one month beginning on the date of the making of the Decision by the Planning Authority. Appeals posted within the permitted period but received after the latest date will be invalid. (Note: Where the latest date for receipt of an Appeal falls on a day when the offices of the Board are closed (Week-Ends, Public Holidays, etc.), the latest date for receipt will be the next day on which the offices are open).

An appeal must be made in writing and state (a) The name and address of the applicant, (b) The subject matter of the Appeal, and (c) The full grounds of appeal and the reasons, considerations and arguments on which they are based. An appeal must also be accompanied by the appropriate fee as set out hereunder:- (a) Appeal against a decision of a Planning Authority on a planning application relating to commercial development by the person by whom the application was made - £300.00
(b) Appeal other than an appeal mentioned at (a) above - £120.00. Any appeal to the Board which is not accompanied by the appropriate fee shall be invalid.

A commercial development means development for the purposes of any professional, commercial or industrial undertaking, development in connection with the provision for reward of services to persons or undertakings, or development consisting of the provision of two or more dwellings, but does not include development for the purposes of agriculture.

N.B. An appellant is not entitled to elaborate upon or make further submissions in writing in relation to the grounds of Appeal unless requested to do so by the Board.

Signed on behalf of the said Council 
for COUNTY SECRETARY.

Date: 06 July, 1999

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.

Attachment B.4

Attachment B.4 contains a letter from Thorntons, the company who tanker effluent from the facility



Unit 53B
Henry Road
Parkwest Business Park
Dublin 12

Tel: (01) 623 5133
Fax: (01) 623 5131

Email: info@thorntons-recycling.ie
Web: www.thorntons-recycling.ie

22.10.2007

To Whom It May Concern:

Thorntons Tanker Services part of the Thorntons Recycling group carry out liquid waste removal and disposal to various WWTP's for AES in Nenagh and other sites throughout Ireland.

Thorntons Tanker Services also carrying out drain cleaning and jetting and site services to AES.

Copies of Thorntons Recycling Waste collection permits covering Ireland are available by request.

If you require any further information on the above, please do not hesitate to contact me on 086 8521783 or by email markc@thorntons-recycling.ie.

Regards,

Mark Conroy
Liquid Waste Services Manager
Thorntons Recycling

Directors:

Carmel Thornton
Paul Thornton
Shane Thornton
Anna Marie Thornton
Gary Brady

Registered Office:

Unit 53B
Henry Road
Parkwest Business Park
Dublin 12

Company Reg No.

072366

Padraig Thornton
Waste Disposal Limited
t/a Thorntons Recycling

Committed to Quality



B.5 Other Authorities

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

Within SFADCo. Area	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
----------------------------	-------------------------------------	---

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

Name:	HSE West
Address:	31 / 33 Catherine Street
	Limerick.
Tel:	061 – 483 286
Fax:	061 – 483 350

B.6 Notices and Advertisements

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

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

Attachment B.6

Attachment B.6 contains:-

- Copy of site notice erected
- Copy of newspaper notice
- Copy of letter of notification to North Tipperary County Council
- Site Plan & Location of Site Notice (DG0002)

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTE LICENCE

Notice is hereby given in accordance with Articles 5, 6 and 7 of the Waste Management (Licensing) Regulations 2004 (S.I. 395 of 2004) that **Advanced Environmental Solutions (Ireland) Ltd.** with head office at Unit 1, Monread Commercial Pk, Monread Rd., Naas, Co. Kildare, will apply to the Environmental Protection Agency for a Waste Licence in respect of a Waste Transfer Station & Materials Recovery Facility at Solsborough, Springfort Cross, Nenagh, Co. Tipperary. National Grid Reference as follows: 184,923E 178,764N.

The proposed activities will be restricted to existing site buildings. The classes of activity in accordance with the **Third Schedule** of the Waste Management Acts 1996 to 2007 are:-

Class 11: Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule

Class 12: Repackaging prior to submission to any activity referred to in this Schedule.

Class 13: Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.

The classes of activity in accordance with the **Fourth Schedule** of the Waste Management Acts 1996 to 2007 are:-

Class 2: Recycling or reclamation of organic substances which are not used as solvents.

Class 3: Recycling or reclamation of metals and metal compounds.

Class 4: Recycling or reclamation of other inorganic materials.

Class 12: Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.

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.

The Principal Activity proposed at the site is Class 13 of the Third Schedule as detailed above.

The maximum annual tonnage (tpa) of waste to be handled at the site from 2008 onwards is 24,750. A copy of i) the application for the waste licence, ii) such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the application, will, as soon as is practicable after receipt by the Agency, be available for inspection or purchase, at the headquarters of the Agency.

LEGAL

WEBAMG HOLDINGS LIMITED, having its registered office at 132 James's Street, Dublin 8 and having its principal place of business at 132 James's Street, Dublin 8, having ceased to trade on 24th August 2007, and having no assets or liabilities, has resolved to notify the Registrar of Companies that the Company is not carrying on business and to request the Registrar on that basis to exercise his powers pursuant to section 311 of the Companies Act 1963 to strike the name of the Company off the register. By Order of the Board Mitchell Weisman Director.

TRACTION TYRE COMPANY LIMITED, having its registered office and its principal place of business at Bradleys Row, Templemore, Co. Tipperary, having ceased to trade and having no assets or liabilities, has resolved to notify the Registrar of Companies that the company is not carrying on business and to request the Registrar on that basis to exercise his powers pursuant to Section 311 of the Companies Act 1963 to strike the name of the company off the register. By order of the Board Martin Shanahan SECRETARY.

DDA DUNLOCK DISTRIBUTION AGENCY LIMITED, having its registered office at 12, Elmfield Lawn, Donaghmede, Dublin 13, having ceased to trade, and having no assets or liabilities has resolved to notify the Registrar of Companies that the company is not carrying on business and to request the Registrar on that basis to exercise his powers pursuant to section 311 of the Companies Act 1963 to strike the name of the company off the register. By the order of the Board Barry Wilson Director.

MIDLANDSCAPING LTD. having its Registered Office at 21 Pearse St. Athlone, Co. Westmeath and having its principal place of business at 21 Pearse St., Athlone, Co. Westmeath having ceased to trade, and having no assets or liabilities, has resolved to notify the Registrar of Companies that the Company is no longer carrying on business and to request the Registrar on that basis to exercise his powers pursuant to Section 113 of the Companies Act 1963 to strike the name of the company off the register. By order of the Board, Directors: Eamon Minagh, Christopher Cunningham.

ATHYVIEW PROPERTIES LIMITED, having its registered office at Port Centre, Alexandra Road, Dublin 1 having never traded and having no assets or liabilities, has resolved to notify the Registrar of Companies that the company is not carrying on business and to request the Registrar on that basis to exercise his powers pursuant to section 311 of the Companies Act 1963 to strike the name of the company off the register. By Order of the Board Pascaí Ryan Director.

CLOVER TANSOR IRELAND LIMITED, having its registered office at Century House, Harold's Cross Road, Dublin 6W having ceased to trade and having no assets or liabilities, has resolved to notify the Registrar of Companies that the company is not carrying on business and to request the Registrar on that basis to exercise his powers pursuant to section 311 of the Companies Act 1963 to strike the name of the company off the register. By Order of the Board John Denman Director.

VALIANT HOLDINGS LIMITED having its registered office at 3rd Floor, Mount Kennett House, Henry Street, Limerick and having its principal place of business at 3rd Floor, Mount Kennett House, Henry Street, Limerick and having

LEGAL

ceased to trade and having no assets or liabilities, has resolved to notify the Registrar of Companies that the company is not carrying on business and requests that the Registrar, on that basis, exercise his powers pursuant to section 311 of the Companies Act 1963 to strike the name of the company off the register. By order of the Board Directors - Andre Fernon and Eoin Madden.

SAMSON FILM PRODUCTIONS LIMITED, having ceased to trade, having its registered office at Molyneux House, Bride Street, Dublin 6, and its principal place of business at The Barracks, 76 Irishtown Road, Dublin 4, and having no assets or liabilities, has resolved to notify the Registrar of Companies that the Company is not carrying on business and to request the Registrar on that basis to exercise his powers pursuant to section 311 of the Companies Act 1963 to strike the name of the Company off the register. By Order of the Board David Collins Director.

NA FILM PRODUCTIONS LIMITED, having ceased to trade on 8th January 2007, and having its registered office at Ardmore Studios, Herbert Road, Bray, Co. Wicklow and which has no assets or liabilities, has resolved to notify the Registrar of Companies that the company is not carrying on business and to request the Registrar on that basis to exercise his powers pursuant to section 311 of the Companies Act 1963 to strike the company off the register. By Order of the Board Morgan O'Sullivan James Flynn Directors.

G.K. CONSULTANTS LIMITED having its registered office at 72 Upper Leeson Street, Dublin 4, and having its principal place of business at the same address, having ceased to trade, and having no assets or liabilities, has resolved to notify the Registrar of Companies that the Company is not carrying on business and to request the Registrar on that basis to exercise his powers pursuant to Section 311 of the Companies Act 1963 to strike the name of the Company off the register. By order of the Board, Grellan Kelly Secretary.

E & A TILING having its registered office at Garryheather, Clonslee, Co Laois and having its principal place of business at Garryheather, Clonslee, Co. Laois having ceased to trade and having no assets or liabilities, have resolved to notify the Registrar of Companies that the company is not carrying on business and to request the Registrar on that basis to exercise his powers pursuant to section 311 of the Companies Act 1963 to strike the name of the company off the register. By Order of the Board: Joe Dunne, Director.

DATA CENTRE EXECUTIVES CORPORATION LIMITED trading as Data Centre Executives Corporation Limited, having its registered office at The Old Schoolmasters House, Ballinderreen, Co. Galway and having its principal place of business at The Old Schoolmasters House, Ballinderreen, Co. Galway, having ceased to trade, and having no assets or liabilities, has resolved to notify the Registrar of Companies that the Company is not carrying on business and to request the Registrar on that basis to exercise his powers pursuant to section 311 of the Companies Act 1963 to strike the name of the Company off the register. By order of the Board Patrick Fogarty Director & Secretary.

IN THE MATTER OF COMPANIES ACTS 1963 - 2006 And in the Matter of Rutland Developments Limited (In Voluntary Liquidation) Notice is hereby given pursuant to section 273 and 305 of the Companies Act 1963 that a final general meeting of the company shall be held at the offices of Moylan Mulcahy & Co, Sarsfield House, Sarsfield Road, Wilton, Cork on Thursday 22nd No-

LEGAL

ember at 11am, for the purpose of having an account laid before them showing the manner in which the winding up has been conducted and the assets of the company disposed of, and of hearing any explanation that may be given by the liquidator. Dated: 23rd October 2007 Michael White (Official Liquidator) Michael White & Co, Courthouse Chambers, Washington Street, Cork.

PLANNING

DROGHEDA BOROUGH COUNCIL, Mellview Developments Ltd., intend to apply for planning permission for two office units (total area 2382 sq.m.), and ancillary services, on the second and third floor of the approved leisure centre building. (Reg. Ref: 05153). This development is a variation to the approved development, and specifically involves the replacement of the approved second floor "gym and golf centre" with office uses, and the approved third floor "restaurant" with office use, at the Leisure Centre Building, M1 Retail Park, Waterunder, Mell, Drogheda, Co. Louth. The planning application may be inspected, or purchased at a fee not exceeding the reasonable cost of making a copy, at the offices of Drogheda Borough Council's planning office, Fair Street, Drogheda, Co. Louth, during its public opening hours - Monday - Friday 9.00a.m. - 5.00 p.m. (excl. Public holidays), and that a submission or observation in relation to the application may be made to the authority in writing on payment of the prescribed fee (Eur20) within the period of five weeks beginning on the date of receipt by the authority of the application.

KILDARE CO. COUNCIL. Planning permission is sought by Loughliff Developments Ltd. for amendments to approved housing development (Reg. Ref: 06/1003) at Loughliff, off the R445, (Kildare to Monasterevin Road) Kildare Town, Co. Kildare, to include the rerouting of the off site foul sewage network through manhole F33 on the R445, which will link to new extended treatment plant to be constructed by Kildare County Council. The planning application may be inspected, or purchased at a fee not exceeding the reasonable cost of making a copy, at the offices of the planning authority Kildare County Council, Aras Chill Dara, Devoy Park, Naas, Co. Kildare, during the hours 9.00a.m. to 1.00p.m. and 2.00 to 3.00p.m. Monday to Friday (excluding bank holidays), and that a submission or observation in relation to the application may be made to the authority in writing on payment of the prescribed fee (Eur20) within the period of five weeks beginning on the date of receipt by the authority of the application.

DUBLIN CITY COUNCIL We, Eithne and Billy Bennett intend to apply for planning permission for development at 21 Palmerston Park, Dublin 6, a Protected Structure. This development will consist of the provision of a single car parking space to left hand side of the existing pedestrian gate. The new vehicular gates will be 2600mm wide and will match the existing ironwork. Granite cobblestones will be provided to car parking space with landscaping to screen car space. The planning application may be inspected, or purchased at a fee not exceeding the reasonable cost of making a copy, at the offices of Dublin City Council during its public opening hours and a submission or observation in relation to the application may be made to the authority in writing on payment of the prescribed fee within the period of 5 weeks beginning on the date of receipt by the authority of the application.

DUBLIN CITY COUNCIL 33 Donnycarny Road, Donnycarny, Dublin 9 Permission is sought for the

PLANNING

following; Construction of a two storey extension to the rear and side of the existing semi detached two storey house, remove existing single storey extension to the rear, construct a single storey extension to the rear and a new vehicular entrance to the front by Brian O Reilly at the above address. This application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy at the offices of Dublin City Council during its public opening hours and a submission or observation in relation to the application may be made to the authority in writing on payment of the prescribed fee within the period of 5 weeks beginning on the date of receipt by the authority of the application.

FINGAL COUNTY COUNCIL I, Sean Littleton am applying to the above mentioned, for full planning permission for the construction of a two storey and single storey extension, (to incorporate swimming pool), to side and rear of existing two storey dwelling, demolishing of existing sunroom, minor alterations to internal layout and all ancillary site works at No. 1 Luttrellstown View, Castletknock, Co. Dublin. The planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy, at the offices of the planning authority during its public opening hours and a submission or observation in relation to the application may be made to the planning authority in writing on payment of the prescribed fee (20 Euros) within the period of 5 weeks beginning on the date of receipt of the application by the planning authority. Signed: P.D.S. Architects & Engineers. www.pdsclaw.ie.

DUBLIN CITY COUNCIL We, Joe Leddin and Leo Mohan, apply for alterations to previously approved application (Ref No. 3113/07) for a four storey mixed use building at site 117-119 Ranelagh Road also facing onto Mornington road. The alterations consist of a new basement storey (422sqm) accessed from the retail unit at ground floor, comprising toilets, staff changing, storage, plant and additional retail space with associated alterations to the ground floor comprising of new escape stairs from basement accessing onto the pedestrian laneway linking Ranelagh Road and Mornington Road and alterations to previously approved bicycle and refuse storage. The planning application may be inspected, or purchased at a fee not exceeding the reasonable cost of making a copy, at the offices of Dublin City Council during its public opening hours and a submission or observation in relation to the application may be made to the authority in writing on payment of the prescribed fee within the period of 5 weeks beginning on the date of receipt by the authority of the application.

DUN LAOGHAIRE RATHDOWN COUNTY COUNCIL I, Una Nardone intend to apply for Permission for development on this site No.11 Glencairn Glade, Leopardstown, Dublin 18. The development will consist of (1) the construction of a new 2 storey detached house to the side garden of the existing house. With a single storey flat roof extension to the rear and a habitable attic space with 2 dormer roof lights to the rear and a roof light to the front. (2) A new vehicle entrance off Glencairn glade road. 2 car parking spaces shall be provided to the front of the proposed dwelling. (3) New garden walls and Ancillary Site works. The planning application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy

at the offices of the Planning Authority, County Hall, Dun Laoghaire during its public opening hours - 10.00am - 4.00pm, Monday to Friday, excluding Public Holidays. A submission / observation in relation to the application may be made to the authority in writing on payment of a fee of Eur20 within the period of 5 weeks beginning on the date of receipt by the authority of the application.

FINGAL COUNTY COUNCIL Permission is sought to convert existing attic space to en-suite bedroom, to fit 2 no velux rooflights each to front and rear roofs, to fit new window to gable at attic level, and to form new porch to front door, all at No. 18 Chapel Farm Avenue, Lusk, Co Dublin, for Alan & Niamh Thompson. The Planning Application may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy at the offices at the offices of Fingal County Council during its public opening hours and a submission or observation in relation to the application may be made in writing to the planning authority on payment of a fee of 20 Euro, within the period of 5 weeks, beginning on the date of receipt by the local authority of the application.

LEGAL

APPLICATION TO THE ENVIRONMENTAL PROTECTION AGENCY FOR A WASTE LICENCE Notice is hereby given in accordance with Articles 5 and 6 of the Waste Management (Licensing) Regulations 2004 (S.I. 395 of 2004) that Advanced Environmental Solutions (Ireland) Ltd. with head office at Unit 1, Monread Commercial Pk, Monread Rd., Naas, Co. Kildare, will apply to the Environmental Protection Agency for a Waste Licence in respect of a Waste Transfer Station & Materials Recovery Facility at Solsborough, Springfort Cross, Nenagh, Co. Tipperary. National Grid Reference as follows: 184,923E 178,764N. The proposed activities will be restricted to existing site buildings. The classes of activity in accordance with the Third Schedule of the Waste Management Acts 1996 to 2007 are: Class 11: Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule. Class 12: Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced. The classes of activity in accordance with the Fourth Schedule of the Waste Management Acts 1996 to 2007 are: Class 2: Recycling or reclamation of organic substances which are not used as solvents. Class 3: Recycling or reclamation of metals and metal compounds. Class 4: Recycling or reclamation of other inorganic materials. Class 12: Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule. 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. The Principal Activity proposed at the site is Class 13 of the Third Schedule as detailed above. The maximum annual tonnage (tpa) of waste to be handled at the site from 2008 onwards is 24,750. A copy of i) the application for the waste licence, ii) such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the application, will, as soon as is practicable after receipt by the Agency, be available for inspection or purchase, at the headquarters of the Agency.

APPLICATION FOR CERTIFICATE OF TRANSFER OF ON LICENCE (CONFIRMATION OF TRANSFER) THE DISTRICT COURT DISTRICT COURT AREA OF DUBLIN IN THE MATTER

LEGAL

OF: THE LICENSING ACTS 1833 TO 2004 AND IN THE MATTER OF: THE LICENSING ACT (IRELAND) 1874, AS AMENDED BY SUBSTITUTION IN THE FIRST SCHEDULE TO THE COURTS (NO.2) ACT 1986 AND IN THE MATTER OF THE LICENSING (IRELAND) ACT 1833, SECTION 6 AND IN THE MATTER OF THE DISTRICT COURT RULES 1997, ORDER 79 AND IN THE MATTER OF: AN APPLICATION OF SEAMUS MURPHY, APPLICANT TAKE NOTICE THAT SEAMUS MURPHY whose place of abode is at 10 Templeogue Road, Terenure, in the County of Dublin, will apply to the Annual Licensing District Court at Court 54 Richmond Hospital, North Brunswick St, Dublin 7 on the 31st of November 2007, at 10.30 o'clock in the forenoon or so soon thereafter as this application may be taken in its order in the Court list for a Certificate by way of transfer entitling the Applicant to receive a Seven Day Publican's On-Licence in respect of the premises known as "The Saggart Arms" and situate at Main Street, Saggart, County Dublin in the Court Area and District aforesaid. Signed: Seamus Murphy Applicant John Leary & Co Solicitors for the Applicant Dated: 19th of October 2007 To; The District Court Office, Aras Uí Dhaligha, Inns Quay, Dublin 7 And: The Superintendent, An Garda Síochána, Clonsilla, Dublin 22 And The Superintendent, An Garda Síochána, Terenure Road West, Dublin 6W And The Fire Authority, Dublin Fire Brigade, Townsend Street, Dublin 2.



SUCCESS: Rothwell

Codd's double glory

Point To Point
MICHAEL DUGGAN

LOCAL rider Jamie Codd kept his supporters happy when registering a double at last Sunday's Lingstown, Co Wexford fixture.

Codd was quickly into his stride as he guided the Philip Rothwell owned and trained Stormers Cross to success in the opening four-year-old maiden.

Later in the afternoon, Codd completed his brace when he steered Old Hall, trained by his brother William, to a seven-length win over the John Daniel Moore-ridden Freeze Up in the five-year-old geldings' maiden.

Double

Benny Walsh was also in double form at the seaside venue as he brought 5/4 favourite Alert The Earth home in front in the open lightweight and followed that up with a game success aboard Leading Pearl in the concluding confined hunts maiden.

Top jockeys' John Thomas McNamara and Derek O'Connor shared the honours at Sunday's North Galway Hunt meeting at Ballinrobe Racecourse.

McNamara was successful on the Enda Bolger-trained Freneys Well in the open lightweight and doubled up with a pillar-top success aboard Danny O'Connell's Dubh Alaimn in the closing mares' maiden.

O'Connor, who had ridden Wishes Or Watches to success for Curragh handler John Quinn at Loughbrickland the previous afternoon, won his first of the day on Michael Hourigan's Toby Jug in the winners' race.

Verdict

Later in the afternoon, the O'Connor double was completed when his mount, Creamery House, just shaded the verdict in an exciting finish with Turn The Corner in older geldings' maiden.

Local trainer Gerry McMahon saddled the winner of the opening four-year-old as his Onecoolturtle beat Colonel Oscar by ten lengths.

William McMahon, son of trainer Gerry, was seen to good effect aboard the winner and he was riding his first winner since injuring his back in a bad fall at Roscommon last Easter.

Classified

TO ADVERTISE
CONTACT
legal@thestar.ie



ADVANCED ENVIRONMENTAL SOLUTIONS (IRELAND) LTD.

UNIT 1, MONREAD COMMERCIAL PARK, MONREAD ROAD,
NAAS, CO. KILDARE.

PHONE: 045-843800 FAX: 045-981621

EMAIL: info@aesirl.ie

County Manager
c.c. Director of Services (Environmental)
North Tipperary County Council
County Buildings
Nenagh
Co. Tipperary

25th of October 2007

**RE: NOTICE TO NORTH TIPPERARY COUNTY COUNCIL OF
INTENTION TO SUBMIT A WASTE LICENCE APPLICATION TO THE
EPA**

Dear Sirs,

In accordance with sub article 1 of Article 9 of the Waste Management (Licensing) Regulations 2004 (S.I. 395 of 2004), please be advised that Advanced Environmental Solutions (Ireland) Ltd. with head office at Unit 1, Monread Commercial Pk, Monread Rd., Naas, Co. Kildare, intend to apply to the Environmental Protection Agency for a Waste Licence in respect of a Waste Transfer Station & Materials Recovery Facility at Solsborough, Springfort Cross, Nenagh, Co. Tipperary. National Grid Reference as follows: 184,923E 178,764N. The proposed activities will be restricted to existing site buildings.

The classes of activity in accordance with the Third Schedule of the Waste Management Acts 1996 to 2007 are:-

Class 11: Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule

Class 12: Repackaging prior to submission to any activity referred to in this Schedule.

Class 13: Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.

The classes of activity in accordance with the Fourth Schedule of the Waste Management Acts 1996 to 2007 are:-

Class 2: Recycling or reclamation of organic substances which are not used as solvents

Class 3: Recycling or reclamation of metals and metal compounds.

Class 4: Recycling or reclamation of other inorganic materials.

Class 12: Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule.

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.

The Principal Activity proposed at the site is Class 13 of the Third Schedule as detailed above. The maximum annual tonnage (tpa) of waste to be handled at the site from 2008 onwards is 24,750.

A copy of i) the application for the waste licence, ii) such further information relating to the application as may be furnished to the Agency in the course of the Agency's consideration of the application, will, as soon as is practicable after receipt by the Agency, be available for inspection or purchase, at the headquarters of the Agency.

We trust that everything is in order.

Best Regards,



John MacNamara

Environmental Director

Advanced Environmental Solutions (Ireland) Ltd.



Legend:

Site Boundary



Dark Road

Kilcolman Road

Nenagh →

Location of site notice

Client:

Advanced Environmental Solutions (Ireland) Ltd.
Unit 1, Monread Commercial Park
Monread Road
Naas
Co. Kildare
T: 045-843800 F: 045-981621
Email: info@aesirl.ie

RPS Consulting Engineers, Carnegie House,
Library Road, Dun Laoghaire, Co. Dublin, Ireland.
T: +353 1 202 0870 - F: +353 1 202 0707
E: ireland@rpsgroup.com W: www.rpsgroup.com/ireland

NOTES

- This drawing is the property of RPS Consulting Engineers, it is a confidential document and must not be copied, used, or its content divulged without prior written consent.
- All Levels refer to Ordnance Survey Datum, Malin Head.
- DO NOT SCALE, use figured dimensions only, if in doubt ask.

No.	Date	By	App.	Amendment / Issue
A01	Nov'07	HIF	MS	Issue for Approval
D01	Nov'07	HIF	MS	Draft Issue

Project:

NENAGH WASTE TRANSFER STATION

Title:

SITE LAYOUT PLAN & LOCATION OF SITE NOTICE

Drawn by:	HIF	Job No:	MDR0515
Checked by:	MS	File No:	MDR0515DG0002A01
Approved by:	LOT	Org. No:	Rev:
Scale:	1:500 @ A3	DG0002	A01
Date:	Nov. '07		

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).	Y
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.	Y
4. Surface impoundment, including placement of liquid or sludge discards into pits, ponds or lagoons.		4. Recycling or reclamation of other inorganic materials.	Y
5. Specially engineered landfill, including placement into lined discrete cells which are capped and isolated from one another and the environment.		5. Regeneration of acids or bases.	
6. Biological treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 5 or paragraphs 7 to 10 of this Schedule.		6. Recovery of components used for pollution abatement.	
7. Physico-chemical treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1 to 5 or paragraphs 8 to 10 of this Schedule (including evaporation, drying and calcination).		7. Recovery of components from catalysts.	
8. Incineration on land or at sea.		8. Oil re-refining or other re-uses of oil.	
9. Permanent storage, including emplacement of containers in a mine.		9. Use of any waste principally as a fuel or other means to generate energy.	
10. Release of waste into a water body (including a seabed insertion).		10. The treatment of any waste on land with a consequential benefit for an agricultural activity or ecological system.	
11. Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.	Y	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.	Y
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.	P	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.	Y

Attachment B.7

Third Schedule of the Waste Management Act

Waste Disposal Activities

Class 11: This activity entails the bulking of wastes prior to transfer to other facilities for disposal.

Class 12: This activity may entail the repackaging of waste prior to transfer to other facilities for disposal.

Class 13: This activity is the **primary activity** being undertaken at the facility; it involves the temporary storage of waste on site prior to disposal at authorised facilities.

Fourth Schedule of the Waste Management Act

Waste Recovery Activities

Class 2: This Activity at the facility involves the separation of timber prior to transfer to other facilities.

Class 3: This Activity at the facility involves the separation of metals and transferring to a scrap metal plant for recovery/recycling.

Class 4: This Activity at the facility involves the sorting and separation of construction and demolition waste.

Class 12: This Activity at the facility involves the exchange of waste.

Class 13: This Activity at the facility involves the storage of waste pending collection for further recycling and recovery.

Waste material	EWC Code	Proposed Quantity
Mixed Packaging	15 01 06	1,982
Metal	17 04 07	181
Timber	15 01 03	749
Commercial Mixed Waste	20 03 01	9,817
Domestic Mixed Waste	20 03 01	8,277
Dry Recyclables	20 03 01	2,252
Construction & Demolition Waste	17 09 04	1,491

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)	24,750
Year	2008 onwards

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)	10,000
Recovery of Waste (4)	10,000

TABLE B.7.4 (FOR A LANDFILL APPLICATION) – NOT APPLICABLE

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

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

B.8 SEVESO II DIRECTIVE

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

Regulations Apply	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
--------------------------	------------------------------	--

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

SECTION C MANAGEMENT OF THE FACILITY

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

C.1 Technical Competence and Site Management

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

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

Attachment C 1

Name	Position	Duties and Responsibilities	Experience /Qualifications
Liz Adaire	Site Environmental Manager	<ul style="list-style-type: none"> - Management of facility - Quality Control - Undertaking environmental training of facility staff - Ensuring site procedures are adhered to by all - Initiating Emergency Response Procedures as outlined in Attachment J. - Maintaining environmental records 	3 years operations / administrative experience of a waste facility FAS Waste Management Training Programme (Expected completion in 2008)
John Doheny	Operations Manager	<ul style="list-style-type: none"> - Managing operation of facility - Ensuring site procedures are adhered to by all 	3 years waste facility management experience 20 years haulage / logistics experience
Linda Cahill	Group Compliance Officer	<ul style="list-style-type: none"> - Developing Environmental Management System - Compliance issues 	BSc Env. Sc. 2 years experience
John MacNamara	Group Environmental Manager	<ul style="list-style-type: none"> - Overseeing management of facility - Responsible for reviewing environmental procedures 	BSc (Chem) Phd 7 years waste management experience

C.2 Environmental Management System

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

Attachment C 2 Environmental Management System

An Environmental Management System will be developed to take cognisance of the specific conditions set out in the Waste Licence. An objective of the EMS will be to reduce the environmental footprint of the facility in terms of the resources used and waste produced from the on site activities.

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.

Attachment C 3

Hours of Operation

The facility will operate from 7.00am to 8.00pm Monday to Saturday.

Hours of Waste Acceptance

The facility will accept waste from 7.30am to 7.30pm Monday to Saturday.

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 D1
D.1.b	Designs for site roads	Y	See Attachment D1
D.1.c	Design of hardstanding areas	Y	See Attachment D1
D.1.d	Plant	Y	See Attachment D1
D.1.e	Wheel-wash	N	See Attachment D1
D.1.f	Laboratory facilities	N	See Attachment D1
D.1.g	Design and location of fuel storage areas	Y	See Attachment D1
D.1.h	Waste quarantine areas	Y	See Attachment D1
D.1.i	Waste inspection areas	Y	See Attachment D1
D.1.j	Traffic control	Y	See Attachment D1
D.1.k	Sewerage and surface water drainage infrastructure	Y	See Attachment D1
D.1.l	All other services	Y	See Attachment D1
D.1.n	Plant sheds, garages and equipment compound	Y	See Attachment D1
D.1.n	Site accommodation	Y	See Attachment D1
D.1.o	A fire control system, including water supply	Y	See Attachment D1
D.1.p	Civic amenity facilities	Y	See Attachment D1
D.1.q	Any other waste recovery infrastructure	N	Not applicable
D.1.r	Composting infrastructure	N	Not applicable
D.1.s	Construction and Demolition waste infrastructure	Y	See Attachment D1
D.1.t	Incineration infrastructure (if applicable). Provide information to fulfil Article 4 (2) & (3) of the Incineration of Waste Directive	N	Not applicable
D.1.u	Any other infrastructure	N	Not applicable

Attachment D 1

D.1.a Site security arrangements including gates and fencing

The site is bordered by the Kilcolman road to the south and the Dark road to the east. The facility is accessible through two entrances off the Kilcolman road. A block wall provides a barrier between the site and the aforementioned roads running along the Southern and Eastern boundaries of the site. A post and wire fence, combined in places with a mature hedgerow and shrubbing, provides a barrier along the remaining boundary of the site. Both entrances have gates that can be locked to secure the site outside operational hours.

D.1.b Designs for site roads

The existing sites entrances are 6.2m and 7.4m wide and there is a concrete pavement from the Kilcoman road to the site. The entire area within the site boundary is hard standing with either bituminous or concrete pavements.

D.1.c Design of hardstanding areas

The majority of the hardstanding area consists of a bituminous pavement. There is a smooth surfaced concrete slab within the waste handling building. The hardstanding area has a concrete kerbing around the western, northern and eastern boundaries.

D.1.d Plant

The location of the weighbridge is shown on the site operations plan drawing DG0008. The weighbridge is a Precia Molen VS300; it has a platform size of 18m by 3m and a capacity of 50 tonnes.

All waste arriving at the site will be weighed and details recorded at the weighbridge. Current waste acceptance procedures involve the use of computer-based programme 'Integrated Waste Software' (IWS). This software is linked the weighbridge and records waste quantities accepted on site.

There is no other fixed plant used in relation to waste-related activities on the site.

A Cat 312c excavator with a grab is used to handle waste tipped within the waste building and to load the waste into HGVs for transport off site.

D.1.e Wheel-wash

AES are not planning on installing a wheel wash unit on-site which is consistent with practices at these types of facilities. The site is entirely hardstanding and good housekeeping practices ensure that the site remains clean at all times.

However, a dedicated wash bay area is maintained and any vehicles deemed to be unclean for road use will be washed prior to leaving the site.

D.1.f Laboratory facilities

There are no laboratory facilities on site.

D.1.g Design and location of fuel storage areas

A tank for storing diesel is located as shown on DG0008 in a bunded area. The existing bunding consists of reinforced concrete walls which will be enlarged to

give a capacity of greater than 110% the capacity of the diesel tank. The bunded area will also be covered to prevent the ingress of rainwater.

A double-skinned tank for storing oil is located in the garage building. Oil drums located in the workshop building are stored on a mobile plastic spill tray.

D.1.h Waste quarantine areas

The location of the waste quarantine area is shown on DG0008. Any suspect or hazardous waste is stored in the waste quarantine area for further examination prior to removal off site for appropriate treatment/disposal by hazardous waste contractors. These materials are stored in sealed containers on a plastic spill tray and a cover will be erected over the proposed Waste Quarantine area.

D.1.i Waste inspection areas

The waste inspection area is located in the waste building as shown on DG0008. All waste loads will tipped in the inspection area and inspected prior to undergoing further handling. Hazardous waste is not accepted on site. However, any household hazardous waste inadvertently collected will be transferred to the quarantine area for collection and removal by a properly authorised collector.

D.1.j Traffic control

There are two entrances to the facility. All site visitors use entrance number 1 (as shown on DG0008); this ensures that visitors are separated from vehicles engaged in waste-related activities.

Vehicles delivering or collecting waste access the site through the two gates which are electronically operated. Access through this gate is only possible either by contacting a member of site staff or through the use of a control device to remotely open the gate.

All vehicles involved in waste transportation have to pass through the weighbridge on entering and prior to leaving the site. Clear on-site signage controls and directs vehicle movements on site.

D.1.k Sewerage and surface water drainage infrastructure

Sanitary effluent from the workshop building and the office building is directed through 100mm diameter pipes to a concrete chamber located approximately 20m from the workshop building. The layout and additional details are shown on DG0005.

The storm water system on site consists of a network of gullies, grills and pipes as shown on DG0005. The surface water collected from the hardstanding area to the west of the main waste building flows to the oil interceptor adjacent the weighbridge before flowing to a second oil interceptor in the northeast corner of the site before finally discharging to an open drain. Surface water collected from the hardstanding area to the east of the main waste building flows directly to the second oil interceptor before discharge through a 170mm concrete pipe to the open drain.

D.1.l All other services

All the appropriate services & infrastructure are shown on drawings DG0001 or DG0004. This includes the following:

Water Supply: Water is currently supplied to the facility from a private well as shown in DG0001.

Power: The facility has an existing three-phase power supply. The location of the electricity distribution boards are shown on the DG0004.

Telecommunications: The site offices are equipped with an existing landline and Internet connection.

D.1.m Plant sheds, garages and equipment compound

There are two buildings on site housing plant, garages and equipment. The locations of these buildings are shown on DG0008. The largest building houses all the waste handling-related activities. There is no fixed plant in this building. The waste tipped on the concrete slab is handled by a mobile excavator with a grab.

The building consists of a steel frame construction supporting steel roof trusses and plastic coated cladding panels. The building has 2m high reinforced concrete (RC) walls with a RC floor slab.

The second building houses a workshop space and a mechanics store. There are no waste-related activities undertaken in this building. This building consists of a block wall construction supporting steel roof trusses and plastic coated cladding panels.

D.1.n Site accommodation

There are two existing site offices situated in porto cabins as shown on DG0008. These buildings cater for the 7 site staff. Staff facilities include a canteen, toilets and showers.

D.1.o A fire control system, including water supply

It is proposed to install a series of fire hydrants on site as part of a fire control system. Grey water collection for water tanks may also be considered if connection to the public watermains is not arranged.

D.1.p Civic amenity facilities

The applicant previously operated a civic amenity facility at the site, the operation of the civic amenity was discontinued; however, the applicant may seek to re-open the civic amenity in the future.

D.1.q Any other waste recovery infrastructure

Not applicable

D.1.s Construction and Demolition waste infrastructure

Proposed activities will include the sorting of construction and demolition waste prior to recycling off site at appropriate facilities.

D.1.u Any other infrastructure

Not applicable

D.2 Facility Operation

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

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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Attachment D 2

History of Current facility

The current facility operates under a Waste Permit for a Waste Handling & Recovery Activities from North Tipperary County Council. It can only accept non-hazardous waste for processing, recycling or disposal.

The main activity on site is the transfer of waste to other authorised facilities; in addition, some separation of specific waste streams takes place.

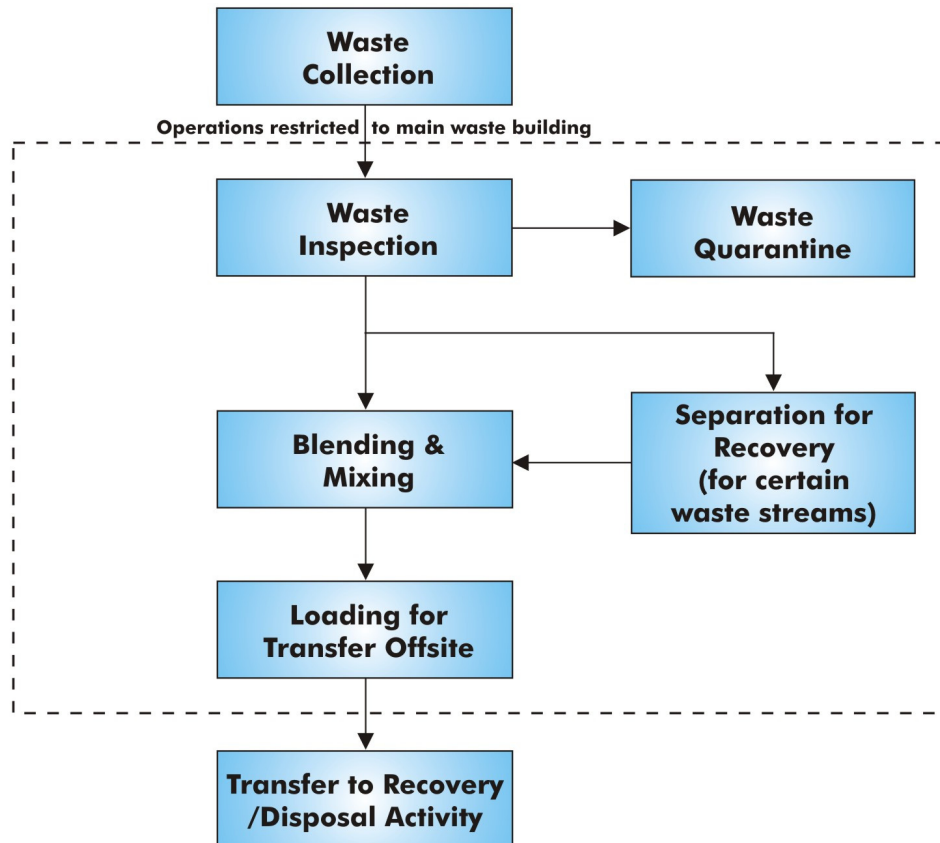
Unit Operations

All waste-related activities take place within a main waste building. A Site Operations Plan is shown in DG0008. The main activity is the temporary storage of waste prior to transfer to another facility for recycling / recovery, processing or disposal. Some recyclable materials may be subjected to simple separation on site. The main waste types being handled are mixed commercial and mixed household waste. The full range of waste types accepted are:

- Mixed Commercial Waste
- Mixed Commercial Packaging Waste
- Mixed Household Waste
- Household Dry Recyclables
- Construction & demolition waste
- Timber
- Metal

Unit operations descriptions and flow diagrams.

After tipping in the inspection area within the main building the material is stored temporarily. All handling and storage of waste is restricted to within this main waste building. Any waste stream that may contain an element of biodegradable waste with potential to generate odour is removed off site within 48 hours of arrival. An excavator with a grab loads the waste from the main building floor into HGVs parked in the lower split-level area within the main waste building.



Summary Flow Diagram of Whole Process

Mixed Commercial Waste:

This waste stream is sent off site for disposal to landfill or to another recovery facility for processing. This waste stream is removed off site within 48 hours of arrival on site.

Mixed Commercial Packaging Waste:

This waste stream is sent to another recovery facility for further processing or recovery.

Mixed Household Waste:

This waste stream is sent off site for disposal to landfill or to another recovery facility for processing. This waste stream is removed off site within 48 hours of arrival on site.

Household Dry Recyclables:

This waste stream is sent to another recovery facility for processing to separate the various recyclable elements into recyclable commodities such as paper, cardboard, aluminium cans & steel tins etc.

Construction & Demolition Waste:

After tipping in the inspection area within the main building this waste stream may be subjected to some simple separation into different fractions using an excavator with a grab. This may consist of extraction and stockpiling of timber, metal, concrete etc.

The waste will be loaded from the main building floor or stockpiles into a HGV parked in the lower split-level area within the building. This waste stream is sent to another recovery facility for processing, directly to a recycling facility or for disposal to landfill.

Timber & Metal:

Smaller quantities of metal and timber are also accepted at the facility. These materials are generally source-separated. After being unloaded within the main building these materials are moved into temporary stockpiles and removed off site for recovery when sufficient quantities have accumulated.

LANDFILLS – Not Applicable

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		Not applicable
D.3.b	What type of liner system is specified?		Not applicable
D.3.c	Has a Quality Control Plan been specified?		Not applicable
D.3.d	Has a Quality Assurance Plan been specified?		Not applicable
D.3.e	Have independent, third-party supervision, testing and controls been specified?		Not applicable
D.3.f	Have basal gradients for all cells and access ramps to the cells been designed?		Not applicable

D.3.g	Has a leak detection survey been specified?		Not applicable
-------	---	--	----------------

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?		Not applicable
D.4.b	Have annual quantities of leachate been calculated?		Not applicable
D.4.c	Has the total quantity of leachate been calculated?		Not applicable
D.4.d	Have the size of the cells been specified taking account of the water balance calculations?		Not applicable
D.4.e	Has a leachate collection system been specified?		Not applicable
D.4.f	Has a leachate storage system been specified?		Not applicable
D.4.g	Has a system for monitoring the level of leachate in the waste been designed?		Not applicable
D.4.h	Is leachate recirculation proposed/practised?		Not applicable
D.4.i	Has leachate treatment on-site been specified?		Not applicable
D.4.j	Has leachate removal been specified?		Not applicable

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

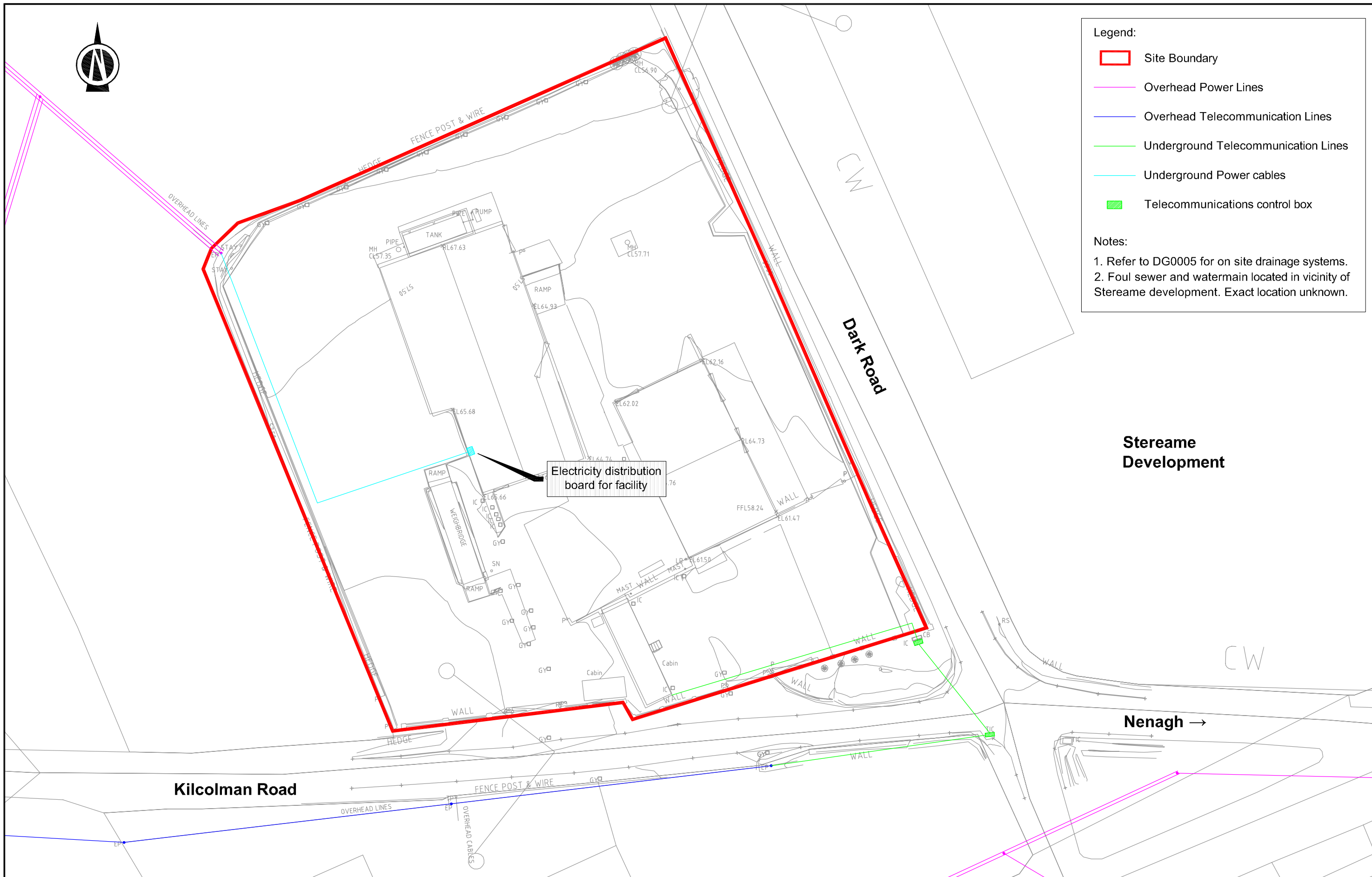
		y/n	Comments
D.5a	Is there a Landfill Gas Management Plan? Provide estimates of the volumes of landfill gas which will be produced by the waste disposed of in the site for the next 20 years, and compare to the EPER list for methane:		Not applicable
D.5b	Is there a passive venting system?		Not applicable
D.5c	Does the passive system cover all of the filled area?		Not applicable
D.5d	Have gas alarm systems been installed in the site buildings?		Not applicable
D.5e	Have measures been installed to prevent landfill gas migration (e.g. barriers)?		Not applicable
D.5f	Has a time-scale been proposed for the installation of landfill gas infrastructure?		Not applicable
D.5g	Is gas flaring undertaken at the site?		Not applicable
D.5h	Is there an active (i.e., pumped) landfill gas extraction system?		Not applicable
D.5i	Does the active system cover all of the filled area?		Not applicable
D.5j	Is landfill gas used to generate energy at the site?		Not applicable
D.5k	Have emissions from the flarestack and utilisation plant been assessed for source, composition, quantity and level and rate?		Not applicable
D.5l	Has a maintenance programme for the control system been specified?		Not applicable
D.5m	Has a condensate removal system been designed?		Not applicable

D.6 Capping System

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

Table D.6 Capping System

		y/n	Comments
D.6a	Has the daily cover been specified?		Not applicable
D.6b	Has the intermediate cover been specified?		Not applicable
D.6c	Has the temporary capping been specified?		Not applicable
D.6d	Has the Capping System been designed and does it meet the requirements of the Landfill Directive Annex 1 (3.3)?		Not applicable
D.6e	Does the Capping System include a flexible membrane liner?		Not applicable
D.6f	Have all capping materials been specified?		Not applicable
D.6g	Has a Method Statement for construction been produced?		Not applicable
D.6h	Has a Quality Control Plan been produced?		Not applicable
D.6i	Has a Quality Assurance Plan been produced?		Not applicable
D.6j	Has a programme for monitoring landfill stability been developed?		Not applicable
D.6k	Has a programme for monitoring landfill settlement been developed?		Not applicable



Legend:

- Site Boundary
- Overhead Power Lines
- Overhead Telecommunication Lines
- Underground Telecommunication Lines
- Underground Power cables
- Telecommunications control box

Notes:

1. Refer to DG0005 for on site drainage systems.
2. Foul sewer and watermain located in vicinity of Stereame development. Exact location unknown.

Stereame Development

Nenagh →

Client:



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No.	Date	Amendment / Issue	App.
A01	Nov07	Issue for Approval	LOT
D01	Nov07	Draft Issue	LOT

Project:

NENAGH WASTE TRANSFER STATION

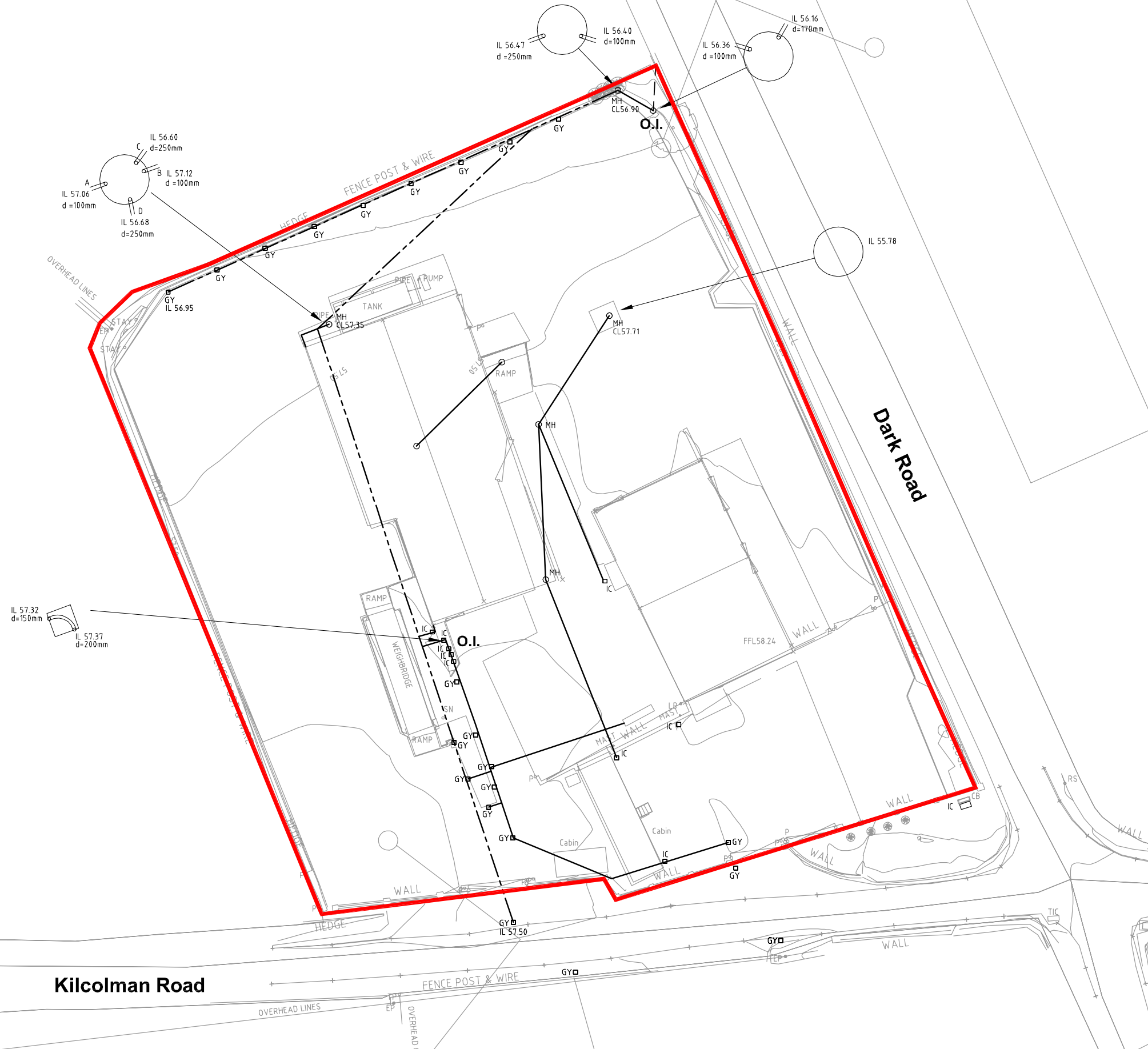
Title:

SERVICES PLAN

Drawn by:	HF	Job No:	MDR0515
Checked by:	MS	File No:	MDR0515DG0004A01
Approved by:	LOT	Drg. No:	Rev:
Scale:	1:500 @ A3	DG0004	A01
Date:	Nov. '07		



Legend:	
	Site Boundary
	Oil Interceptor
	Gully
	Manhole
	250mm Ø Pipe
	170mm Ø Pipe
	100mm Ø Pipe



Client: **AES** Advanced Environmental Solutions (Ireland) Ltd.
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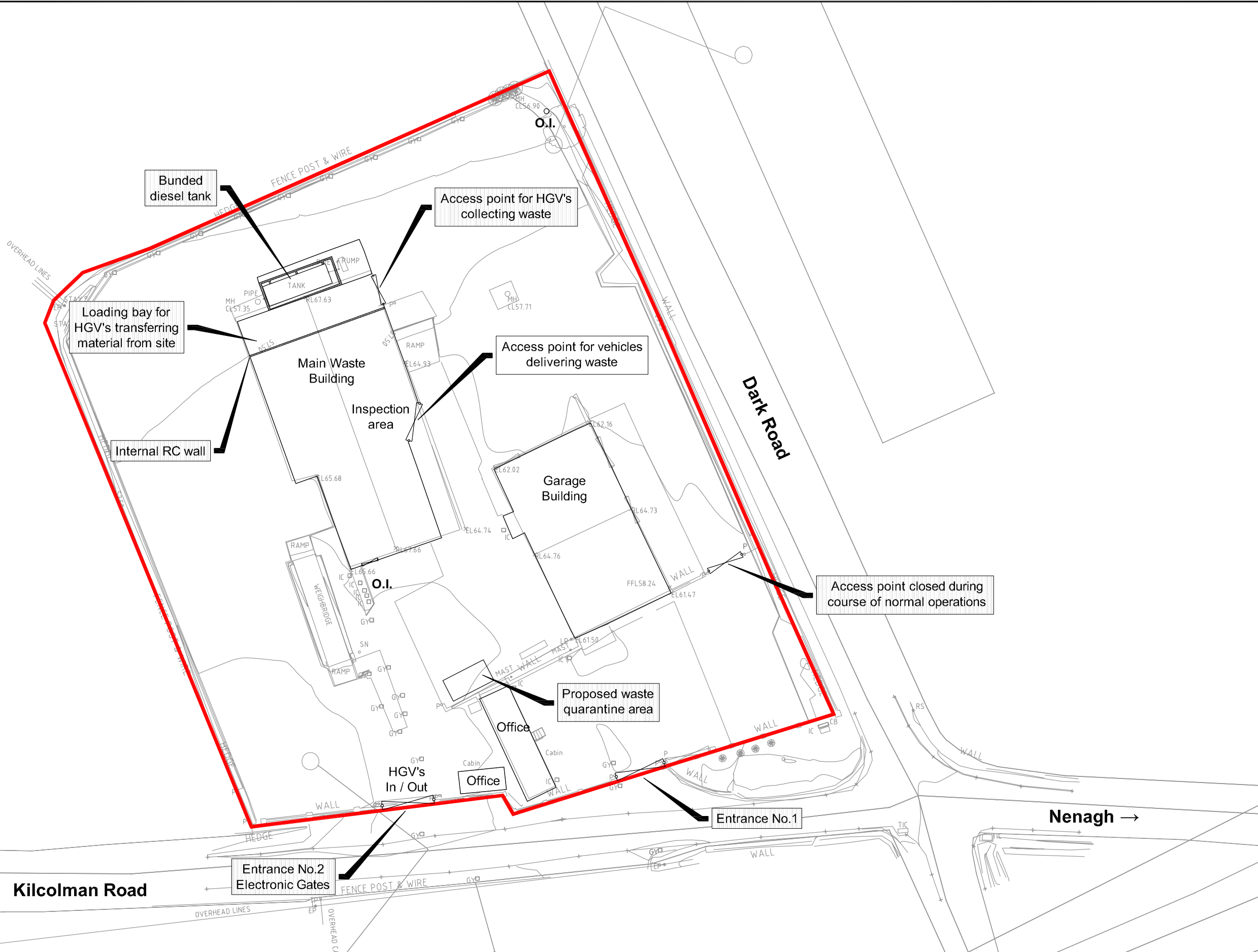
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No.	Date	Amendment / Issue	App.	
A01	Nov/07	Issue for Approval		LOT
D01	Nov/07	Draft Issue		LOT

Project: **NENAGH WASTE TRANSFER STATION**

Title: **EXISTING DRAINAGE**

Drawn by:	HF	Job No:	MDR0515
Checked by:	MS	File No:	MDR0515DG0005A01
Approved by:	LOT	Drwg. No:	DG0005
Scale:	1:500 @ A3	Rev:	A01
Date:	Nov '07		



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No.	Date	App.	Amendment / Issue
A01	Nov07	HF	Issue for Approval
D01	Nov07	MS	Draft Issue

Project: **NENAGH WASTE TRANSFER STATION**

Title: **SITE OPERATIONS PLAN**

Drawn by:	HF	Job No:	MDR0515
Checked by:	MS	File No:	MDR0515DG008A01
Approved by:	LOT	Org. No:	DG0008
Scale:	1:500 @ A3	Rev:	A01
Date:	Nov '07		

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.

Attachment E.1 Emissions to Atmosphere

There are no point emissions to atmosphere associated with activities at the facility. All waste-related activities will take place indoors within the main building. Table E.1(iv) in Annex A has been completed.

There is some potential for dust generation associated with loading and unloading of waste loads and handling of construction & demolition waste. Recent monitoring results demonstrate that dust deposition at a number of points on the boundary of the facility is significantly lower than the dust deposition limit of 350mg/m²/day as recommended by the EPA. Generation of dust is mitigated by:

- The restriction of waste activities to within the main building
- Regularly cleaning all hardstanding areas within the facility with road-sweeping equipment.
- Water-spraying of hardstanding areas in periods of dry weather.

There is potential for odour generation associated with temporary storage of putrescible / biodegradable waste. This material is mainly contained within the mixed domestic waste and mixed commercial waste collected. All waste is handled within the main waste building and these waste streams are removed off-site within 48 hours of arrival.

E.2 Emissions to Surface Waters

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

Attachment E.2 Emissions to Surface Waters

The storm water system on site consists of a network of gullies, grills, pipes and two oil interceptors; the layout is shown on DG0005.

There is a total impervious area of 6,405m² drained within the facility boundary; this consists of roof areas of 1,090m² and hardstanding area of 5,315m².

Surface water collected from the hardstanding areas and the roof are directed to a oil interceptor before discharge through a 170mm pipe to an open ditch drain.

E.3 Emissions to Sewer

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

Attachment E.3 Emissions to Sewer

There is no discharge to public sewers from this facility.

Any run off from the waste tipped on ground slab within the main building flows to gully which flows to an underground storage tank. Details of the layout are included in DG0005.

Sanitary effluent from toilets located in the garage building and the site offices is directed to a separate tank as shown on DG0005.

These two tanks are emptied periodically and the contents transported for treatment off site. The applicant has an agreement with Thornton's, who hold all appropriate permits, to facilitate this arrangement.

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**

Attachment E.4 Emissions to Groundwater

There are no emissions to groundwater from the facility.

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**

Attachment E.5 Noise Emissions

Noise emissions are produced from the current activities ongoing at the facility. The primary sources of noise at the Waste Transfer Station are outlined as follows:

- Heavy goods vehicles (HGVs) delivering waste to and collecting waste from the site.
- HGVs tipping waste materials in the waste inspection area within the main waste building at the site.
- 1 excavator for waste/recyclables handling within the main waste building at the site.

There is no waste-related activities undertaken outside the main waste building, however, there may be occasional movements of plant or skips etc.

Monitoring of noise levels at a four site boundary monitoring points on-site and at two noise sensitive monitoring locations in the vicinity of the site was undertaken in June / July 2007 whilst the facility was operational.

The results of the monitoring indicated that the noise level at one of the noise sensitive locations (NSL-1) was elevated, at 60dB(A), and exceeds the limit set out in the EPA Guidance Note for Noise in Relation to Scheduled Activities (IPC Licensing), 1995.

However, it was subjectively considered in the noise monitoring report that while activities from the AES facility could be heard at this location, activities occurring in the nearby garage and traffic passing on the county road had most influence on the noise levels. The report noted that off-site noise sources at NSL-1 included traffic noise on the N52 and the adjacent country road (of which nine cars passed directly by the noise meter). Activities occurring at O'Brien's garage (revving of engines in the garage) and customers were also noted as contributing to the elevated noise level at 60dB(A).

The noise monitoring results recorded at the other noise sensitive monitoring point at NSL-2 recorded a noise level of 52dB(A), which is within the recommended EPA Guideline levels. What is more noteworthy is the commentary in the monitoring report which states that "very little noise was audible emanating from the AES site", and that "noise originating from off-site sources dominated".

Tonal noise was not detected at either of the noise sensitive monitoring locations.

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

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

Attachment E.6 Environmental Nuisances

Bird Control

All waste will be transported in enclosed refuse collection vehicles or in covered containers. All waste will be stored within the main waste building and therefore will not be exposed to birds. Good housekeeping practices ensure that the facility is clean and tidy at all times; these measures will mitigate the possibility of bird nuisance. If required, a specialist bird control contractor will be employed.

Dust Control

All waste-related activities will be restricted to within the main waste building; no waste will be stored in the open. Regularly cleaning all hardstanding areas within the facility with road-sweeping equipment. The hardstanding areas of the site will be sprayed with water in periods of dry weather.

Fire Control

All reasonable measures are employed to prevent the outbreak of fire in the facility and to ensure, as far as practicable, that the safety site staff and visitors is maintained.

It is proposed to install a series of fire hydrants on site as part of a fire control system. In addition, a number of fire equipment points will also be installed at a number of locations on site, these will include; fire blankets, Dry powder extinguishers for ABC fires (wood, paper, textiles, liquid fuels and gases), Foam extinguishers for AB fires (wood, paper, textiles and liquid fuels) & Carbon Dioxide (liquid fuel fires and electrical equipment).

Litter Control

It is management policy that all vehicles transporting waste to / from the facility are covered. All waste-handling operations are restricted to the main waste building. Good housekeeping practices, including regular sweeping and cleaning, will ensure that the facility is clean and tidy at all times.

Traffic Control

Traffic generated by facility is not significant in terms of the overall traffic on the access road. The facility is accessed from the Kilcoman Rd. and is located approximately 45 metres from the R445, the main Limerick to Nenagh road.

WASTE Application Form

Vermin Control

All waste will be restricted to the main waste building which will reduce the potential for vermin nuisance; In addition, the litter control measures will ensure that the site is kept clean.

A vermin control plan was developed by a pest-control specialist and is being implemented and regularly inspected.

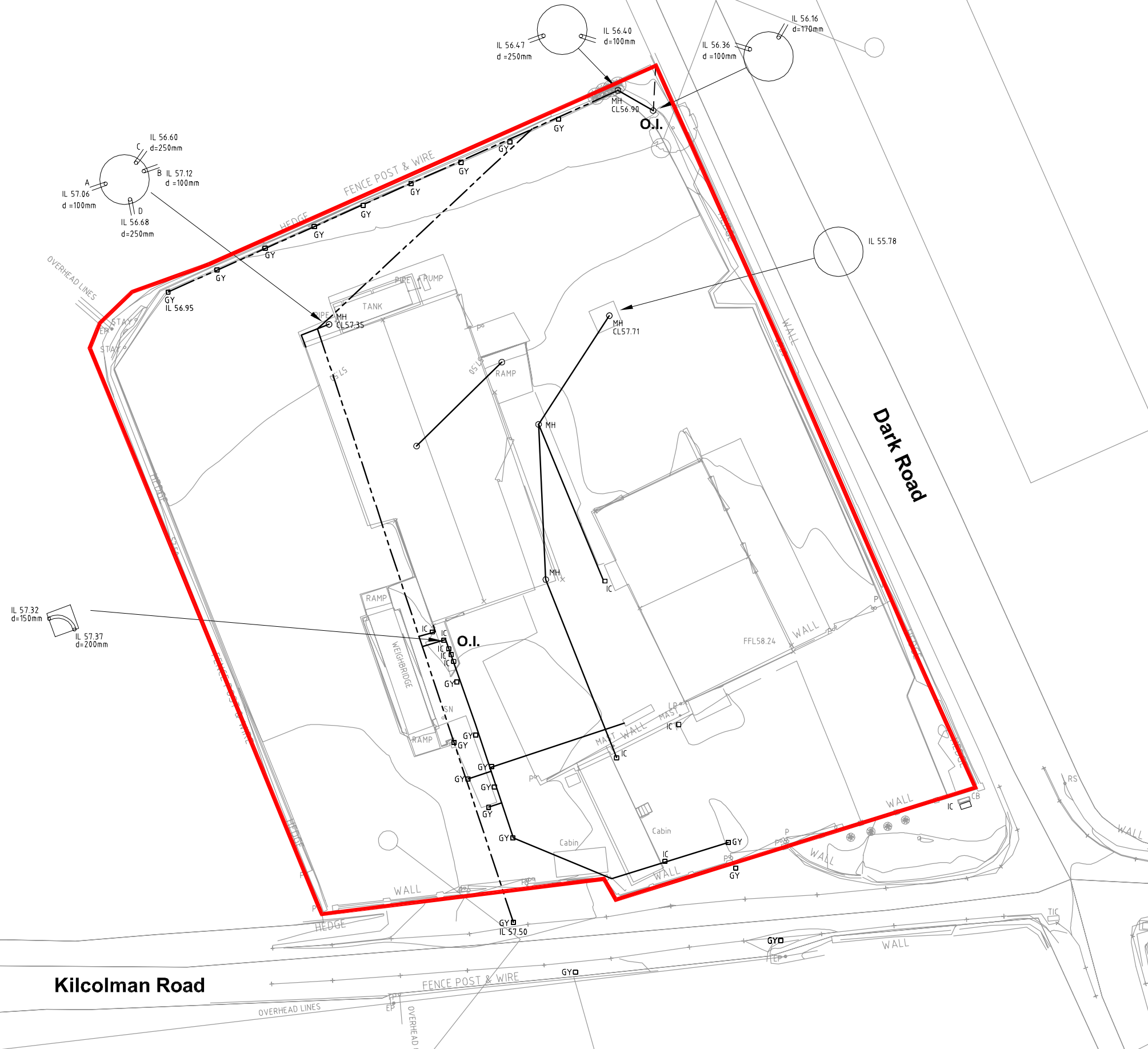
Road Cleansing

The entire facility has hardstanding pavements which are regularly cleaned and swept. It is management policy that waste in all vehicles coming to / from the facility is covered.

The roads leading to the facility will be regularly inspected and swept if observed to require removal of mud or debris.



Legend:	
	Site Boundary
	Oil Interceptor
	Gully
	Manhole
	250mm Ø Pipe
	170mm Ø Pipe
	100mm Ø Pipe



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A01	Nov/07	Issue for Approval		LOT
D01	Nov/07	Draft Issue		LOT

Project: **NENAGH WASTE TRANSFER STATION**

Title: **EXISTING DRAINAGE**

Drawn by:	HF	Job No:	MDR0515
Checked by:	MS	File No:	MDR0515DG0005A01
Approved by:	LOT	Dr. No:	DG0005
Scale:	1:500 @ A3	Rev:	A01
Date:	Nov '07		



Legend:

- Site Boundary
- o.i. Oil Interceptor



Client:

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A01	Nov07	Issue for Approval	LOT
D01	Nov07	Draft Issue	LOT

Project:

NENAGH WASTE TRANSFER STATION

Title:

EMISSIONS

Drawn by:	HF	Job No:	MDR0515
Checked by:	MS	File No:	MDR0515DG0006A01
Approved by:	LOT	Drg. No:	DG0006
Scale:	1:500 @ A3	Rev:	A01
Date:	Nov. '07		

SECTION F CONTROL & MONITORING***F.1: Treatment, Abatement and Control Systems***

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

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

Attachment F.1 should contain any supporting information.

Attachment F.1 Treatment, Abatement and Control Systems**To Atmosphere**

The management of the site including waste handling and other facility procedures employed serve as successful abatement techniques.

All waste-related activities are currently and will continue to be restricted to the main waste building. The hardstanding areas of the site are periodically sprayed with water during periods of dry weather. All waste is covered while being transported. These measures reduce the generation and release of dust to the atmosphere.

All waste with a putrescible/biodegradable fraction is removed off site within 48 hours of arriving on site. This reduces the potential for odour nuisances.

To Surface water/ Sewer/ Ground (water)

All surface water collected onsite will pass through an oil interceptor prior to discharge.

A surface water network collects surface water run off from the hardstanding area and rain water from the roof, which are directed to a oil interceptor before discharge through a 170mm pipe to an open drain. The oil interceptors on site are emptied and cleaned regularly.

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

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

Include details of monitoring/sampling locations and methods.

F.2 Air
- to include Dust, Odour

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

Attachment F.2

The monitoring programme for dust & odour at the facility is outlined in the table below. Please refer to DG0007 for monitoring locations.

Parameter	Monitoring Location	Monitoring Frequency	Analytical Method
Dust	D1, D2, D3, D4	Three times annually	VDI 2119
Odour	O1, O2, O3, O4	Daily	Inspection at monitoring point and recording in odour report log

F.3 Surface Water

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

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

Attachment F.3 Surface Water

Monitoring of surface water will take place at the point of discharge at the outlet pipe from the oil interceptor. The discharge point does not discharge to a receiving water body; therefore in this case it is not possible to undertake upstream and downstream monitoring.

The proposed surface water-monitoring programme to be implemented is illustrated in the table below:

Parameter	Monitoring location	Monitoring Frequency	Analytical Method
PH	SW1	Quarterly	Standard Methods
Biological Oxygen Demand	SW1	Quarterly	Standard Methods
Suspended Solids	SW1	Quarterly	Standard Methods
Minerals Oils	SW1	Quarterly	Standard Methods
Total Nitrogen	SW1	Quarterly	Standard Methods
Total Ammonia	SW1	Quarterly	Standard Methods
Chemical Oxygen Demand	SW1	Quarterly	Standard Methods
Electrical Conductivity	SW1	Quarterly	Standard Methods

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

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

F.6 Noise

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

Attachment F.6 Noise

There are six proposed monitoring points; four onsite and two additional points off site at noise sensitive locations. The two noise sensitive locations are a commercial premises, 20m from the facility across the Kilcoman Road and a house ca. 150m west of the facility. Monitoring will take place annually.

F.7 Meteorological Data

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

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

F.8 Leachate

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

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:

Attachment F.9

Not Applicable

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

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

Table F.9(b) Landfill Gas Monitoring

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

Table F.9 (c) Landfill Gas Infrastructure

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







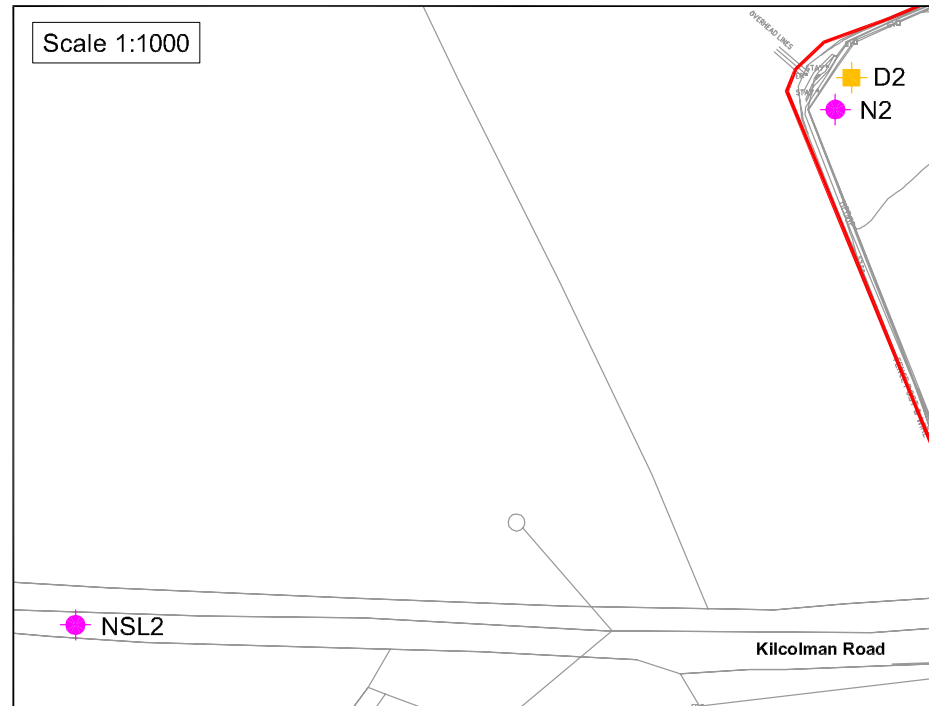
WASTE Application Form

Gas Control System				

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

Legend:

-  Dust Monitoring
-  Noise Monitoring
-  Odour Monitoring
-  Surface Water Monitoring
- O.I.** Oil Interceptor



Kilcolman Road

Dark Road

Nenagh →

NOTES

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2. All Levels refer to Ordnance Survey Datum, Malin Head.
3. DO NOT SCALE, use figured dimensions only, if in doubt ask.

No.	Date	Appr.	Amendment / Issue	App.
A01	Nov07	MS	Issue for Approval	LOT
D01	Nov07	MS	Draft Issue	LOT

Project: **NENAGH WASTE TRANSFER STATION**

Title: **SAMPLING & MONITORING POINTS**

Drawn by:	HF	Job No:	MDR0515
Checked by:	MS	File No:	MDR0515DG0007A01
Approved by:	LOT	Drg. No:	DG0007
Scale:	1:500 @ A3	Rev:	A01
Date:	Nov '07		

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SECTION G RESOURCES USE & ENERGY EFFICIENCY

G.1 Raw Materials, Substances, Preparations and Energy

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

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

Attachment G.1 Raw Materials, Substances, Preparations and Energy

Water Consumption

Water is supplied to the site from a private well located on an adjacent farm. It is estimated that the average daily demand is approximately 5m³ per day.

Miscellaneous Materials

Approximately twenty 30 litres bags of floor dressing (600 Litres in total) are used annually.

Fuels Consumption

Estimates of the quantities of fuels & oil consumed annually during the operation of the Waste Transfer Station are included below:

Diesel: 16,400 Litres
Oil: 560 Litres

Energy Consumption

There are no intensive power requirements at the facility; the main power demands are for the office & garage buildings. The quantity of electricity used in 2006 was 8,682 Units (KWh).

G.2 Energy Efficiency

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

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

Attachment G.2. Energy Efficiency

Estimated annual electricity consumption is less than 9,000 Units (KWh). The primary electricity demands of the facility are from the office, garage, lighting, automated gate and the weighbridge.

Energy saving measures along with a programme for increased awareness among staff of energy conservation in the workplace will be included in the Environmental Management System.

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		750
Class 3			Class 3		181
Class 4			Class 4		1,491
Class 5			Class 5		
Class 6			Class 6		
Class 7			Class 7		
Class 8			Class 8		
Class 9			Class 9		
Class 10			Class 10		
Class 11		18,094	Class 11		
Class 12		18,09	Class 12		4,000
Class 13		18,094	Class 13		6,656

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)
2008	24,750	Not applicable	24,750
2009	24,750	Not applicable	24,750
2010	24,750	Not applicable	24,750
2011	24,750	Not applicable	24,750
2012	24,750	Not applicable	24,750

WASTE Application Form

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

TABLE H.1 (C) WASTE TYPES AND QUANTITIES

WASTE TYPE	TONNES PER ANNUM (existing)	TONNES PER ANNUM (proposed)	TOTAL (over life of site**) tonnes
Household	8,473	10,529	210,580
Commercial	10,244	12,730	254,600
Sewage Sludge	0	0	0
Construction and Demolition	1,200	1,491	29,820
Industrial Non-Hazardous Sludges	0	0	0
Industrial Non-Hazardous Solids	0	0	0
Hazardous *(Specify detail in Table H 1.2)	0	0	0
Inert Waste imported for restoration purposes	COMPLETE FOR LANDFILL & CONTAMINATED LAND FACILITIES ONLY		

**Based on a 20-year life span, however it is anticipated that facility will operate over an open-ended time span

*** 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	Not applicable		
Oil filters	Not applicable		
Asbestos	Not applicable		
Paint and Ink	Not applicable		
Batteries	Not applicable		
Fluorescent Light Bulbs	Not applicable		
Contaminated Soils	Not applicable		
OTHER HAZARDOUS WASTE (APPLICANT TO SPECIFY)			
Not applicable			

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.**

Attachment H.2. Waste Acceptance Procedures

The current waste acceptance procedure involves the use of an Integrated Waste Software System. This software is linked to the on-site weighbridge and is used for recording the quantities of waste accepted on-site. All incoming waste is transferred by AES (Ireland) Ltd's company vehicles unless reported otherwise on the weight docket.

Upon entry to and egress from the site, vehicles are weighed at the weighbridge and the vehicle registration number and other details are entered into the system. An individual weight docket is printed for each waste load. All weight dockets are filed by an office staff member in the *Weight Docket File*.

Where possible, waste is visually inspected prior to tipping in the main waste building; where waste is transported to site in self-compressing refuse collection vehicles, inspection prior to tipping is not possible. Visual inspections are necessary to ensure that all identify any hazardous wastes or other unacceptable waste that may have been inadvertently collected.

The Waste Segregation Manager is responsible for carrying out the waste visual inspections and for maintaining a written record of all inspections. Written records of these waste inspections will be conducted each working day on the waste inspection form which is generated through the waste software system. Only after visual inspection can the waste be handled further. Completed forms are filed in the Waste Management File.

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*.

Attachment H.3 Waste Handling

All waste handling is undertaken within the main waste building. The extent of handling a waste stream undergoes varies by waste stream. There is no fixed equipment within the facility to handle waste; the only plant used is a Cat 312c excavator. Within the main waste building there is a split-level design; the lower section of split-level has a separate entrance for trucks or HGVs collecting waste from the facility. The lower level is a loading bay to facilitate the loading of waste into larger HGVs from the upper level for transportation to other waste facilities.

The only waste streams that undergo sorting within the facility are timber, metals, and construction & demolition waste. All other waste streams are directly loaded into HGVs for transportation off site either for recovery or disposal to landfill. Timber, metal and construction & demolition waste are stored temporarily within the building until sufficient quantities are stockpiled to transport off site.

Hazardous Waste

AES (Ireland) Ltd. do not accept hazardous waste on-site. Hazardous waste, in the form of batteries and fluorescent tubing that may be inadvertently collected in the mixed household and commercial waste streams are segregated, before being collected and recovered by a licensed contractor. Batteries and fluorescent tubes etc are stored in enclosed, banded, non-corrosive receptacles in the Waste Quarantine Area, pending transport off-site for recovery.

Upon collection of the hazardous waste (batteries and fluorescent tubes), each waste contractor provides a *Consignment Note (CI Form)* which is required to move the hazardous waste within the State.

Responsibilities

The Facility Manager is responsible for establishing, with the relevant personnel, a suitable procedure for accepting and handling waste at the facility. This is to ensure that all personnel involved in waste handling are made aware of this procedure and are given adequate training. The Facility Manager is also responsible for ensuring that detailed records of each load of waste arriving at and departing from the facility are being maintained.

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;

WASTE Application Form

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

H.4 Waste Arisings

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

Attachment H.4 *Waste Arisings*

Not applicable

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.

Attachment I.1 Assessment of atmospheric emissions

The facility is located approximately 3km to the west of Nenagh town centre, the site has road boundaries to the south and east, the other site boundaries adjoin agricultural land. The existing site is enclosed by a block wall and fencing on the Dark Road boundary and by block wall on the Kilcolman Road boundary. To the west and north of the site the field boundaries are formed by fences and mature shrubs. The agricultural land surrounding the site is relatively flat with a gradual rise in the land to the north of the site.

There is a garage across the Kilcolman Road to the south of the facility and there are two domestic dwellings to the southwest, and one domestic dwelling to the south east of the facility; and a farm directly north of the facility. The Stereame development consisting of commercial premises and apartments are located opposite the facility across the Dark Road.

Dust

The dust deposition rates at all locations monitored were shown to be significantly lower than the general dust disposition limits recommended by the EPA. Given the current scale of activity at the facility, see Table H.1 (c), it is not anticipated that dust emissions to the atmosphere are likely to impair the environment.

Results of Analysis of Dust Deposition		
Location	Dust (mg/m ² /day)	Dust Deposition Limit (mg/m ² /day)*
D1	139	350
D2	151	350
D3	215	350
D4	180	350

*Limit based on accepted EPA Guidance

The occurrence of odour and litter nuisances have not been observed at the facility. This will be maintained by ensuring that biodegradable waste is transferred off site within 48 hours of arriving on site and that good housekeeping practices are ongoing.

The operation of the existing facility does not have a negative impact on local environment in terms dust, noise, litter or odour at present. Given that the scale of the activities will not be increased substantially, atmospheric emissions from the facility are not likely to impair the environment.

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.**

Attachment I.2. Assessment of Impact on Receiving Surface Water

All surface water and rain water collected on the site is directed to an oil interceptor in the north east corner of the site. The oil interceptor discharges to an open drain which runs along a ditch in the adjacent field which is in agricultural use. At the time of sampling this drainage ditch was dry. The discharge of surface water will not have a negative effect on this receiving drain.

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.**

Attachment I.3. Assessment of Impact of Sewage Discharge.

There is no discharge to any local authority sewer. Sanitary effluent from the site offices discharges to an underground tank. Run off from the waste tipped in the main waste building discharges to a separate underground tank. Both tanks are emptied as required and contents removed for treatment off site.

Thornton's are engaged by the applicant to undertake the removal and treatment of the effluent.

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.

Attachment I.4 Assessment of impact of ground/groundwater emissions

There are no ground emissions or emissions to groundwater from the facility.

I.5 Ground and/or groundwater contamination

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

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

Attachment I.5. Ground and/or groundwater contamination

There have been no known instances of ground and/or groundwater contamination on or under the site.

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

Attachment I.6. Noise Impact

A noise monitoring survey was carried out at the site in June/July 2007. The results of the noise surveys determined the ambient noise levels at four site boundary monitoring points and two noise sensitive monitoring points in the vicinity of the facility, provided below. The locations of the points where these results were taken from correspond to the proposed noise monitoring points shown in DG0007.

Monitoring Location	Measurement Period	Time	L _{eq} dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	L _{AFMax} dB(A)
N1	15 mins	12:40	59	61	53	77
N2	15 mins	12:24	55	57	52	69
N3	15 mins	12:06	65	67	59	81
N4	15 mins	11:50	54	57	49	68
NSL1	15 mins	11:50	60	61	53	76
NSL2	15 mins	12:10	52	51	45	74

The maximum sound pressure levels recorded at the site boundary with operational activities being undertaken at the facility ranged from L_{AMax} 68dB(A) to L_{AMax} 81dB(A) and were generally attributed to noise from a truck horn outside the entrance to the facility and noise from trucks passing close to the noise meter respectively. Offsite noise sources were also noted as contributory at a number of the site boundary monitoring points.

The maximum sound pressure levels recorded at the noise sensitive monitoring locations with operational activities being undertaken at the facility ranged from L_{AMax} 74dB(A) at NSL-1 to L_{AMax} 76dB(A) at NSL-2. The maximum noise level recorded at NSL-1 was not obvious but was attributed to either noise from the engine revving at the nearby garage or traffic passing on the adjacent county road. The maximum noise level recorded at NSL-2 was directly associated with a car passing directly by the noise meter.

Background noise levels experienced at the site in the absence of noise from the AES facility would be comparable to the existing background noise levels experienced at

the noise sensitive location NSL-2, with an allowance for varying influences of traffic noise, relative to proximity to the N52 and other roads in the area. This is due to the fact that the noise monitoring report states “*very little noise was audible emanating from the AES site*” at NSL-2. The background noise level recorded at the site boundary N-4, even with activities in progress at the facility, was L_{A90} 49dB(A), whereas the background noise level recorded at NSL-2 was L_{A90} 45dB(A).

Noise emissions from the AES facility are mitigated by way of undertaking all waste handling activities at the site within the dedicated Main Waste Building at the site. All waste reception, tipping, inspection, segregation and separate re-loading of recyclable and non-recyclable materials is carried out under enclosed conditions within the waste building.

The processing of all wastes at the site indoors under enclosed conditions significantly reduces the level of noise emissions that would otherwise emanate from the site, were waste handling activities carried out in the open-air in an un-covered yard.

Noise attenuation has been incorporated into the design of the main waste reception building. The lower sidewalls of the building (up to a height of approximately 2m) are of reinforced concrete construction to withstand and prevent damage from waste tipping and loading within the building. The upper sidewalls and roof of the building are constructed of closed-panel composite cladding, which minimises potential airborne noise emissions from the facility.

Drivers transporting waste/recyclables to and from the site are fully trained and instructed with regard to speed limits that must be observed on approach to the site, and internally within the site. Drivers are also instructed with regard to the movement of waste skips within the yard at the site, with regard to controlled set-down and loading of skips, in order to minimise noise generated at the site.

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*

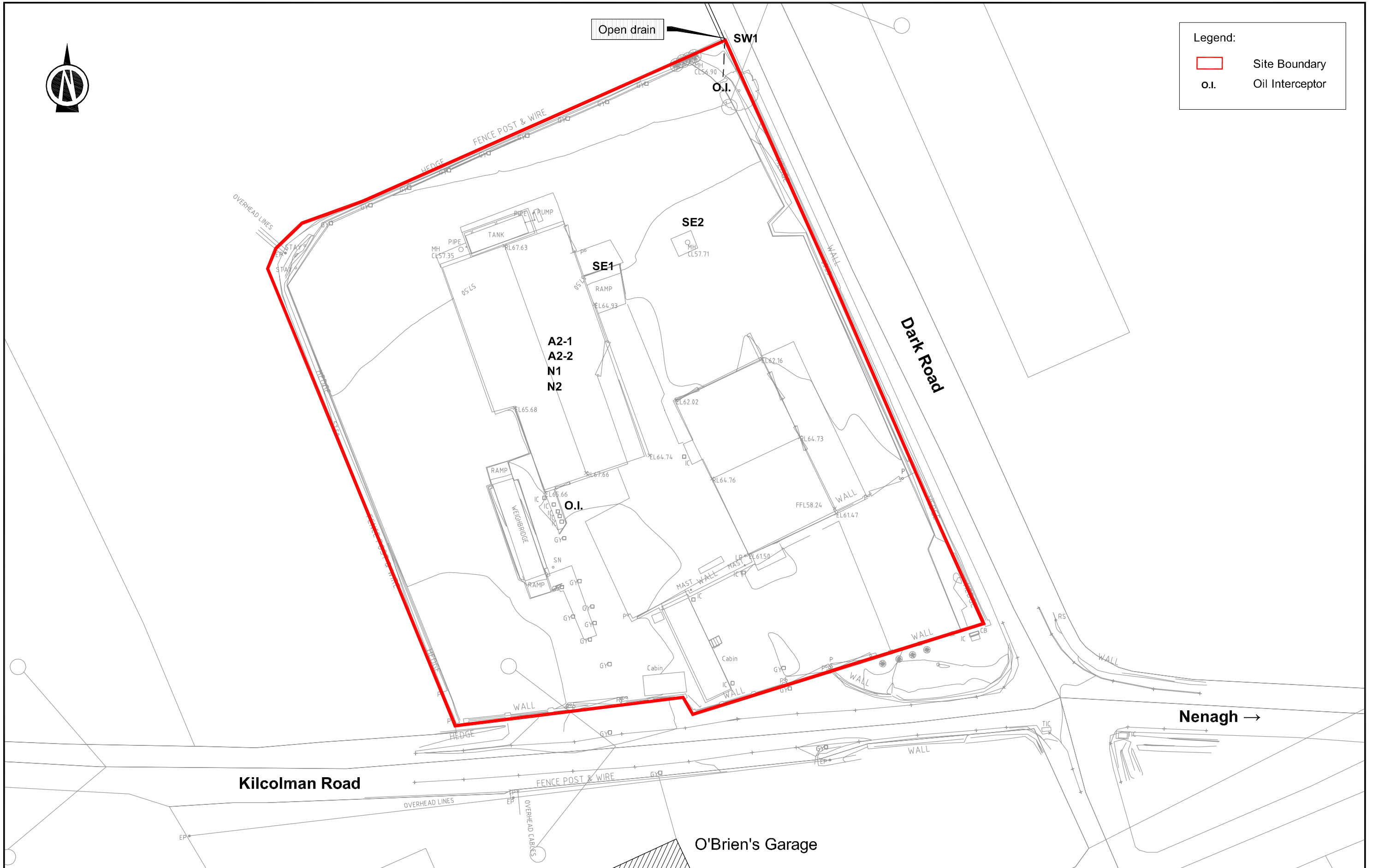
Attachment I.7. Assessment of Ecological Impacts & Mitigation Measures

Not applicable



Legend:

- Site Boundary
- o.i. Oil Interceptor



Client:



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NOTES

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No.	Date	Amendment / Issue	App.
A01	Nov07	Issue for Approval	LOT
D01	Nov07	Draft Issue	LOT

Project:

NENAGH WASTE TRANSFER STATION

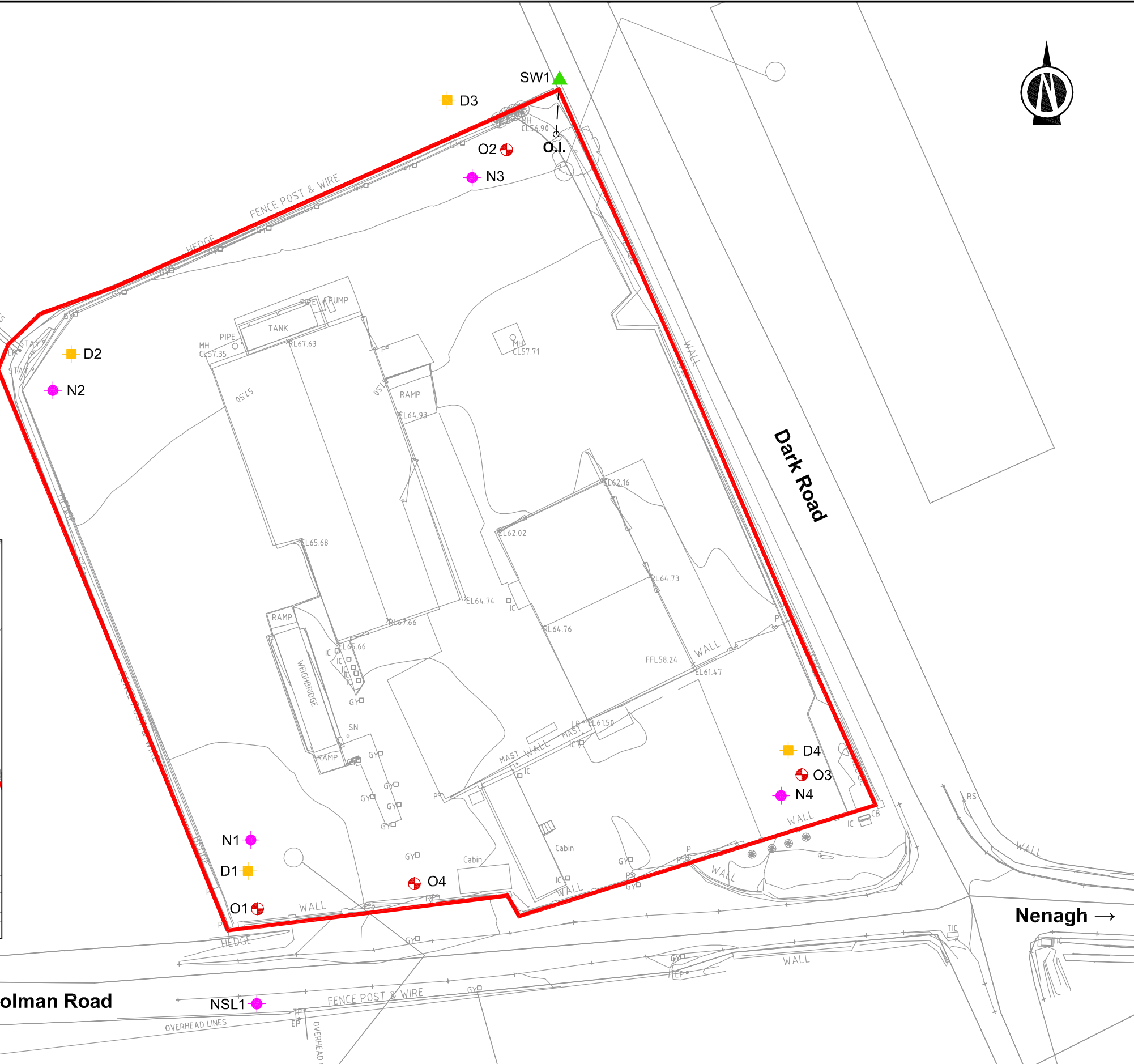
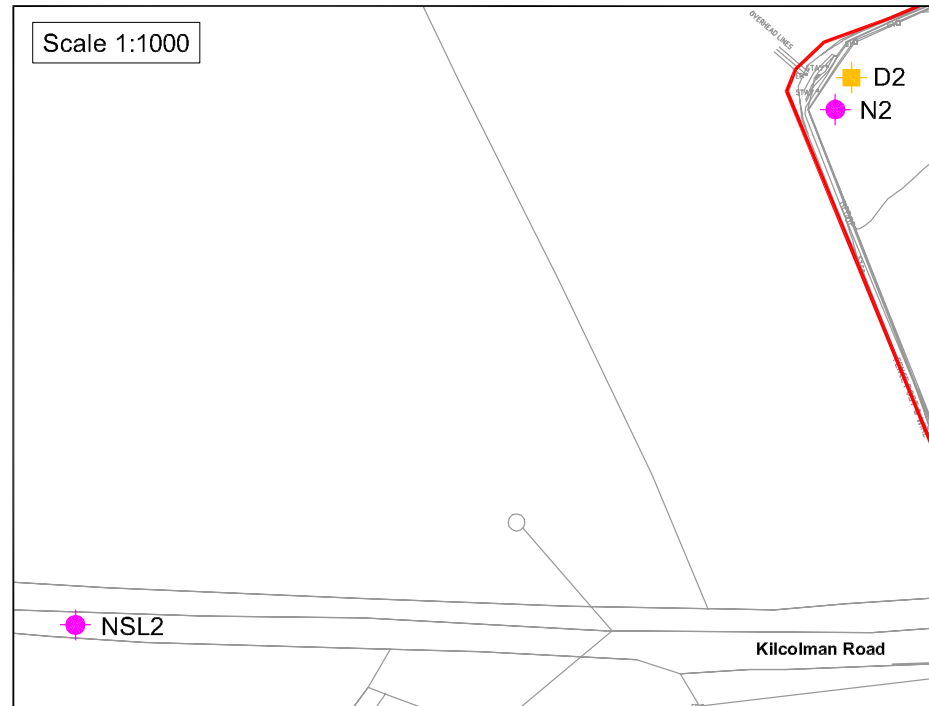
Title:

EMISSIONS

Drawn by:	HF	Job No:	MDR0515
Checked by:	MS	File No:	MDR0515DG0006A01
Approved by:	LOT	Drw. No:	DG0006
Scale:	1:500 @ A3	Rev:	A01
Date:	Nov. '07		

Legend:

- Dust Monitoring
- Noise Monitoring
- ⊕ Odour Monitoring
- ▲ Surface Water Monitoring
- O.I.** Oil Interceptor



Client: **AES** Advanced Environmental Solutions (Ireland) Ltd.
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NOTES

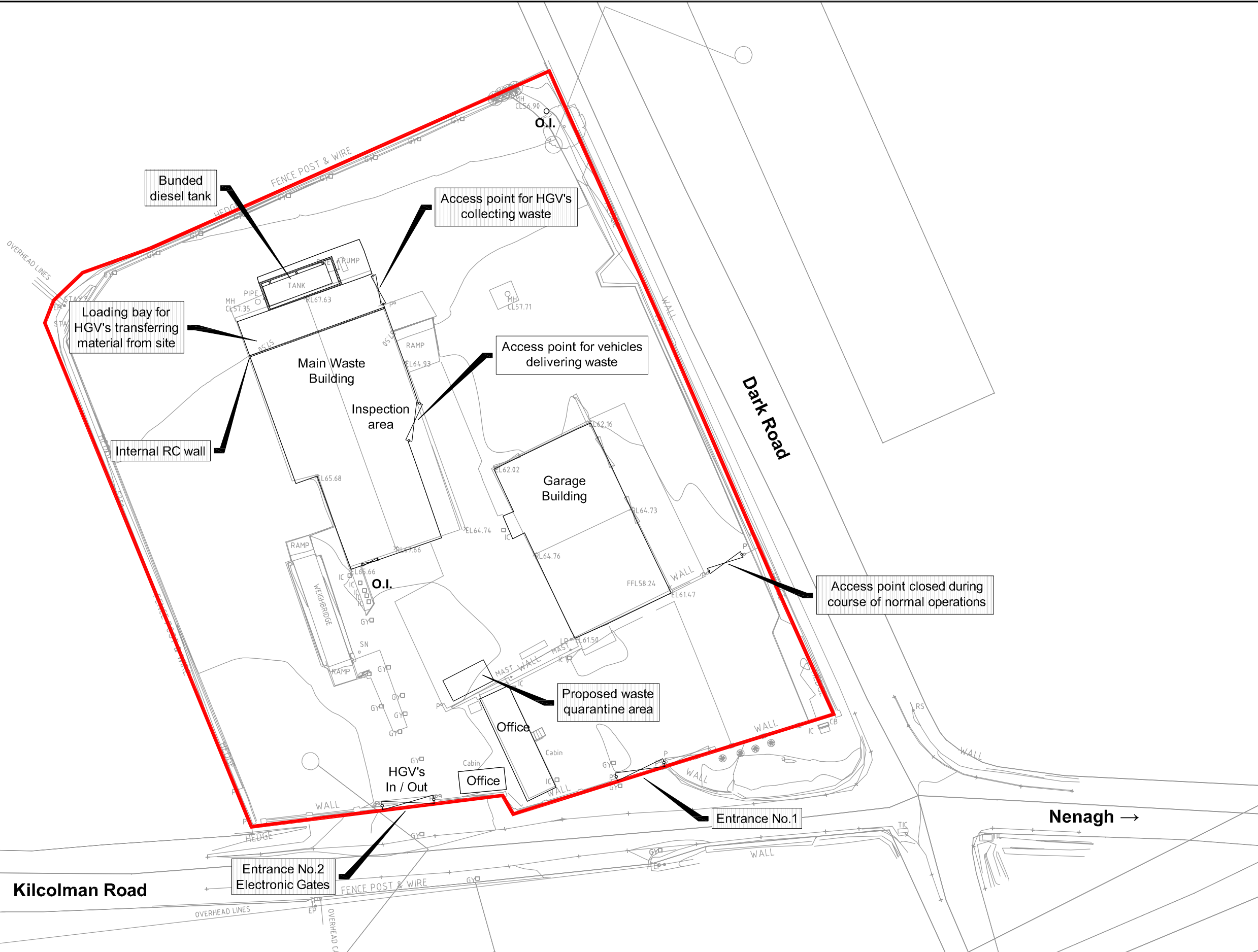
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No.	Date	Amendment / Issue	App.
A01	Nov07	Issue for Approval	LOT
D01	Nov07	Draft Issue	LOT

Project: **NENAGH WASTE TRANSFER STATION**

Title: **SAMPLING & MONITORING POINTS**

Drawn by:	HF	Job No:	MDR0515
Checked by:	MS	File No:	MDR0515DG0007A01
Approved by:	LOT	Drg. No:	DG0007
Scale:	1:500 @ A3	Rev:	A01
Date:	Nov '07		



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No.	Date	By	App.	Amendment / Issue
A01	Nov07	MS	MS	Issue for Approval
D01	Nov07	MS	MS	Draft Issue

Project: **NENAGH WASTE TRANSFER STATION**

Title: **SITE OPERATIONS PLAN**

Drawn by:	HF	Job No:	MDR0515
Checked by:	MS	File No:	MDR0515DG008A01
Approved by:	LOT	Org. No:	DG0008
Scale:	1:500 @ A3	Rev:	A01
Date:	Nov '07		

SECTION J ACCIDENT PREVENTION & EMERGENCY RESPONSE

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

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

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

Supporting information should form **Attachment J**.

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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Attachment J: Accident Prevention & Emergency Response

1 INTRODUCTION

The following sections of this attachment outline the accident preventative and corrective procedures for Nenagh Waste Transfer Station including a number of Emergency Response Procedures.

Contact details for site supervisors will be forwarded to local fire and Garda stations to enable staff to be contacted in the event of an emergency situation occurring outside of normal working hours. The table below outlines the contact details for site supervisors outside of normal working hours.

Contact	Contact Details
Ms. Liz Adair	067 – 31226

A list of emergency numbers, as shown in the table below, including local fire service, police, hospital and a local doctor are posted on the environmental notice board in the staff canteen and are also available at the reception.

Emergency Service	Emergency Number	Local Number
Fire Brigade	999	067 – 38400
Gardai	999	067 – 50450 (Bamba Square, Nenagh)
Ambulance	999	067 – 31491 (Nenagh General Hospital)
Local Doctor	N/A	067 – 32849

2 ENVIRONMENTAL PREVENTATIVE & CORRECTIVE PROCEDURE FOR NENAGH WASTE TRANSFER STATION

PURPOSE:

To detail a procedure to address environmental corrective and preventive action

RESPONSIBILITY:

Facility Manager or his/her deputy

PROCEDURE:

On notification of an environmental non-conforming situation, or upon identification of a potential non-conformance, the Facility Manager will initiate and document the situation on a *Corrective/Preventive Action Report Form*.

The Facility Manager and/or his/her deputy assesses all non-conformances and potential non-conformances and then relevant personnel are appointed to establish a corrective/preventive action plan. The detail and magnitude of the action plan shall be appropriate to the magnitude of the non-conformance and commensurate with the environmental impact encountered. When the corrective/preventive action plan has been agreed, it will be authorised, and those responsible for the implementation of the corrective/preventive action plan will promptly conduct their duties as described therein.

The *Corrective/Preventive Action Report Form* and any other relevant information and correspondence pertaining to the Corrective Action will be filed in a designated *Corrective Action File*.

The Facility Manager and/or his/her deputy will monitor the implementation of the corrective/preventive action plan. On successful completion, the Facility Manager and/or his/her deputy will verify that the corrective/preventive action plan has been completed and that corrective/preventive action is effective. The corrective/preventive action plan will then be closed off and filed in the *Corrective Action File*.

Environmental corrective/preventive action may be initiated as a result of audit findings and /or receipt of environmental complaints, environmental monitoring or emergency drills. If so, corrective/preventive action will be implemented and closed off as described above. The Facility Manager and/or his/her deputy will review all open corrective/preventive action plans on a monthly basis to establish the status of each.

2.1 RESPONSIBILITIES

The Facility Manager and/or his/her deputy are responsible for establishing, with the relevant personnel a corrective/preventive action form to address potential and actual non-conforming situations. He/she shall review progress on a corrective action plan on a monthly basis and maintain the *Corrective Action File*.

The Facility Manager must notify and forward copies of completed forms to the Environmental Coordinator

3 ENVIRONMENTAL TRAINING & AWARENESS PROCEDURE

Purpose:

This procedure has been drafted to outline the methodology to be adhered to regarding the development and implementation of a training and awareness programme at the site.

Scope:

This procedure shall incorporate the training requirements of all staff at the site.

Responsibility:

The Facility Manager

Procedure:

Environmental Induction Programme

On assuming a position with AES, should the role of the position have the potential to have an effect on the environment, the new staff member shall undergo an environmental induction programme. The Facility Manager shall present this induction programme and it is his/her responsibility in ensuring that all relevant newly appointed staff members attend the aforementioned programme.

The induction programme shall include, at a minimum a description of the following:

- Environmental Management System at AES (Ireland) Ltd;
- Waste Permit and the Environmental Protection Agency;
- Potential Impact of inductees' activities on the environment;
- Emergency Response Procedures, ERP 1.0 to ERP 5.0;
- Sources of Environmental Information pertaining to site activities.

Training

The Facility Manager shall request all relevant staff members to undertake training in any new environmental procedure adopted by AES (Ireland) Ltd. and any new amendments to existing environmental procedures. The Facility Manager shall file a compulsory *Environmental Training Form* and place these on display on the designated environmental notice board.

The Facility Manager in conjunction with the Environmental Manager shall review on an annual basis the need for revised induction programmes for all staff members, compiling all new environmental procedures and amended environmental procedures in place at AES (Ireland) Ltd. A record of these meeting shall be kept on file by the Environmental Manager.

A Training Record shall be initiated for each member of staff on commencement of employment and maintained within the *Environmental Training Folder*. As a training session is completed all members of staff present shall acknowledge this by signing their designated Training File.

Awareness

The Facility Manager or his/her deputy is responsible for ensuring awareness of all staff of the environmental obligations that AES (Ireland) Ltd. are required to adhere to.

The Facility Manager or his/her deputy is responsible for ensuring that selected environmental information is displayed on the designated environmental notice board.

4 EMERGENCY RESPONSE PROCEDURES

Environmental Emergency Plan

Purpose

The purpose of this programme is to define appropriate procedures in response to potential emergency situations occurring at this site including environmental accidents and/or emergencies.

Scope

The scope of this procedure is the application of the Environmental Emergency Plan including the following procedures (ERP 1.0 to ERP 5.0) which form part of the Environmental Emergency Plan:

Document	No.	Description	Revision No.
ERP 1.0		Spill Clean Up Procedure	1
ERP 2.0		General Fire/Explosion Procedure	1
ERP 3.0		Internal/External Flooding Procedure	1
ERP 4.0		Malicious Damage Procedure	1
ERP 5.0		Unforeseen Emergency Procedure	1

Definitions

Environmental Emergency Response Team

The Facility Manager, the Supervisors and any other person or persons designated by the aforementioned individual for membership on the Emergency Response Team.

Procedure

Should an emergency situation occur, procedures from the Environmental Emergency Plan, which details each emergency situation and proposed response should the emergency occur, are implemented.

Each Environmental Response Procedure is completed with reference to potential emergency situations. The response documented within the Environmental Emergency Responses Procedure reflects the likelihood of the situation occurring and the associated potential environmental impacts of this occurrence.

On a weekly basis, the Facility Manager or designee checks all emergency response equipment to ensure that it is provided in agreed quantities and in suitable working order. Any discrepancies shall be remedied at once.

On an annual basis, and at any other time deemed necessary, the Facility Manager in conjunction with the Environmental Manager reviews the documented response procedures for associated emergency situation. Additional Procedures may be prepared as identified by environmental reviews/audits, environmental compliance monitoring reports, personnel during routine working hours or other communications which bring potential emergency situations to the attention of the Management.

Following an emergency, the Facility Manager, shall record details of the incident. Following a comprehensive investigation into the source of the emergency situation, a corrective action shall be formulated by the Facility Manager and signed off on the *Environmental Corrective and Preventive Action Form*.

In the event of the following incidents, records shall be maintained and the Facility Manager shall notify the relevant authority by telephone and facsimile as soon as possible:

- Any nuisance caused by the activities carried out by AES (Ireland) Ltd.
- Any emission which results in the contravention of any relevant standard, including any standard for an environmental medium, or any relevant emission limit value, prescribed under any relevant enactment.
- Any emission which does not comply with the requirements of the Waste Licence.
- Any indication that environmental pollution has or may have, taken place.
- Any occurrence with the potential for environmental pollution, and,
- Any emergency

When notifying the relevant authority, as part of the notification, the date and time of the incident, details of the occurrence and the steps taken to minimise the emissions and to avoid a recurrence shall be included. The written record should be submitted to the relevant authority as soon as practicable but within 5 working days after the occurrence of the incident.

Should any further actions be taken after the date of written notification, as a result of any incident occurring, a written report shall be forwarded of those actions to the Agency as soon as practicable and no later than 10 days after the initiation of those actions

Responsibility

The Facility Manager is responsible for the implementation of this procedure and also for selecting and implementing the appropriate procedure from the Environmental Emergency Plan in the event of an emergency of incident on-site.

Following an emergency or incident on-site, the Facility Manager is responsible for notifying relevant authority and, for compiling a written report of the incident.

ERP1.0 Spill Clean Up Procedure

Purpose

This procedure details the steps to be taken when dealing with a chemical substance spillage on site. It is required in order to:

- Protect Employees
- Protect the Environment
- Prevent Fugitive Emissions

Scope

This procedure should be followed for all small, large and massive spills, which may occur.

Definitions:

- Small Spill: Less than 5 litres
- Large Spill: Greater than 5 litres and less than 250 litres
- Massive Spill: Greater than 250 litres

Procedure

Ensure that all materials are handled (loaded, unloaded and moved) by a competent person using the correct equipment and appropriate protective clothing. Appropriate precautions should be taken at all times to minimise the risk of accidental spillage.

In the event of a spillage occurring, the Facility Manager shall initially investigate the following issues:

- How long has it been since the incident occurred?
- Contact the relevant emergency response number (local fire service, police, hospital and Environmental Protection Agency telephone numbers are posted on the environmental notice board in the staff canteen and are also available at the reception) and any external emergency response help.
- Locate the nearest fire suppression system as appropriate; (Dry powder extinguishers for ABC fires (wood, paper, textiles, liquid fuels and gases) Foam extinguishers for AB fires (wood, paper, textiles and liquid fuels) Carbon Dioxide (liquid fuel fires and electrical equipment).
- Identify the location of the nearest First Aid station
- Note the wind direction and any possible sources of ignition i.e. naked lights, machinery, electrical fittings and combustible material and remove them from the area.
- Evacuate the area (for large spills if necessary)
- The Facility Manager or any other designated person from the Emergency Response Team shall ensure that all personnel are evacuated in a calm, efficient manner. Staff should be instructed to walk briskly to their designated evacuation locations.
- If flammable material is involved in the spill, isolate equipment and materials that may be affected
- If deemed necessary, the Facility Manager or any other designated person from the Emergency Response Team shall instruct for the appropriate emergency services to be contacted. A list of telephone numbers for all emergency services are posted on the environmental notice board in the staff canteen and are also available at the main reception.

The spillage must be contained using absorbent material, socks, booms or sandbags to create a secure dike. These are located in areas identified as high risk spillage areas. The Facility Manager or any other designated person from the Emergency Response Team shall ensure that all appropriate personal protective equipment is worn (as detailed in the Material Safety Data Sheet for the spilled material [s]).

If the spillage emanated from a drum, position the drum so that the ruptured section is in an upwards direction, thereby preventing a further leakage.

Once the spill has been contained the liquid shall either be pumped, or removed into a barrel using non-spark shovels and labelled appropriately (contents, name and date).

In the event of a spillage that contaminates the foul water holding chambers, the collected foul water will not be tankered off-site to the wastewater treatment plant without the consultation of the operator by the Facility Manager. Records of such consultation will be recorded and held with the *Environmental Corrective and Preventive Action Form* on file in the office.

Clean-up operation.

- Use non-sparking shovels and brushes to sweep the spilled material into drums.
- Start on the outside and work in towards the centre of the spill
- Do not mix different types of waste
- Drum the waste and seal the container or bag and double bag.
- Label the waste with the destination name, appropriate hazard label and name of waste giving as much information as possible on contents, plus concentrations of constituents, etc.

- ❑ If the spill occurred due to a damaged drum, place the ruptured drum into a salvage drum container, until disposal is arranged.
- ❑ Decontaminate personnel by using the washing facilities.

Any waste material resulting from a spillage clean-up shall be dispatched to an appropriate facility for disposal under the supervision of the Facility Manager.

Following an emergency, the Facility Manager shall record details of incident. Following a comprehensive investigation into the source of the emergency situation, a corrective action shall be formulated by the Facility Manager and signed off on the *Environmental Corrective and Preventive Action Form*

Responsibility

General staff and contractors of AES (Ireland) Ltd. are responsible for being aware of the procedure and their responsibilities/requirements/obligations.

The Facility Manager is responsible for making AES (Ireland) Ltd. employees aware of their responsibilities and obligations should a spillage occur.

ERP 2.0 General Fire/Explosion Procedure

Purpose

A procedure to deal with fire/explosion emergencies is required for the following reasons:

- ❑ To protect Employees.
- ❑ To protect the Environment.
- ❑ To prevent Fugitive emissions

Fire suppression systems are located at strategic points in the facility, these include; (Dry powder extinguishers for ABC fires (wood, paper, textiles, liquid fuels and gases) Foam extinguishers for AB fires (wood, paper, textiles and liquid fuels) Carbon Dioxide (liquid fuel fires and electrical equipment).

Scope

This procedure should be followed in the event of a fire or explosion at this site.

Procedure

Employees shall only attempt to fight a fire if safe to do so. If an employee feels that they cannot tackle a fire safely and effectively, **EVACUATION OF ALL PERSONNEL IS THE PRIMARY PRIORITY.**

The Facility Manager works to evacuate the area in a calm, efficient manner. All staff and contractors shall be instructed to walk briskly to the designated evacuation location point.

In the event of a fire/explosion occurring, the Facility Manager shall complete a roll call to account for all employees and contractors that may be present on-site.

The Facility Manager shall identify the location of the fire/explosion through dialogue with the individual who discovered the fire and shall take one of the following actions:

- ❑ Determine whether the fire can be **SAFELY** isolated utilising the available fire fighting equipment.
- ❑ If the fire is not controlled with the fire fighting equipment available, the local fire brigade is notified immediately. Local fire, police and hospital numbers are posted on the environmental notice board in the staff canteen and are also available in the main reception.

Personnel shall not re-enter the building unless the Facility Manager deems it safe to do so. Once the fire has been extinguished or the explosion controlled, the Facility Manager, shall complete a clean up operation as per EPR 2.0 using the available resources

All fire-affected material is checked thoroughly in order to ensure it is quenched. If the affected material is considered hazardous, it is stored in a container and collected as soon as possible by a certified hazardous waste disposal contractor.

The Facility Manager will contact the relevant authority, in the event of any incident on site paying due regard to conditions specific to the Waste Permit.

Following an emergency, the Facility Manager, or other designated responsible person shall record details of the incident. Following a comprehensive investigation into the source of the emergency situation, a corrective action shall be formulated by the Facility Manager and signed off on the *Environmental Corrective and Preventive Action Form*

Responsibility

General staff and contractors of AES (Ireland) Ltd. are responsible for being aware of the procedure and their responsibilities/requirements/obligations in relation to the General Fire/Explosion procedure.

The Facility Manager is responsible for making AES (Ireland) Ltd. employees aware of their responsibilities and obligations should a fire/explosion occur.

ERP 3.0 Internal/External Flooding Procedure

Purpose

This procedure is required in order to:

- Minimise environmental damage from a flooding incident.
- Minimise damage to property or materials on site.

Scope

This procedure should be followed in the event of a flooding incident at this site.

Procedure

Locate source of flooding and, if possible and safe to do so, shut it off.

Remove containers of environmental hazardous material to a safe location to prevent their entry to the drainage system. As per *EPR2.0* ensure all materials are handled (loaded, unloaded and moved) by a competent person using the correct equipment and appropriate protective clothing. Appropriate precautions should be taken at all times to minimise the risk of accidental spillage.

The Facility Manager shall contact the relevant emergency response number (local fire service, police, hospital and Environmental Protection Agency telephone numbers are posted on the environmental notice board in the staff canteen and also in the Main Reception Area) and any external emergency response help if he/she feels that the incident cannot be dealt with safely utilising on-site resources.

Once the source of the flooding has been eliminated, the Facility Manager will commence the mop up operation, if required as per *EPR2.0*.

The Facility Manager, or other designated responsible person, will contact the relevant authority in the event of any incident on-site paying due regard to specific conditions of the Waste Permit.

Following an emergency, the Facility Manager shall record details of the incident. Following a comprehensive investigation into the source of the emergency situation, a corrective action shall be formulated by the Facility Manager and signed off on the *Environmental Corrective and Preventive Action form*

Responsibility

General staff and contractors of AES (Ireland) Ltd. are responsible for being aware of the Flooding Procedure and their responsibilities / requirements / obligations.

The Facility Manager is responsible for making AES (Ireland) Ltd. employees aware of their responsibilities and obligations should a flooding incident occur.

The Facility Manager is responsible for recording the details of any incident that occurs and ensuring that an effective corrective action is implemented.

ERP 4.0 Malicious Damage Procedure

Purpose

This procedure is required in order to:

- Monitor malicious damage
- Prevent malicious damage.

Scope

This procedure should be followed in the event of a malicious damage being inflicted at this site.

Procedure

Where any occurrence of malicious damage is noted or where persons are observed causing malicious damage the Facility Manager is informed.

Where malicious damage results in a significant environmental impact, or a potential significant environmental impact the Facility Manager is advised who then undertake to minimise and repair the damage caused.

Persons observed causing malicious damage are subjected to internal disciplinary action. The Facility Manager, will report external persons to the Gardai.

The Facility Manager will contact the relevant authority in the event of any incident on site paying due regard to the conditions set out in the Waste Permit.

Following an emergency, the Facility Manager shall record details of the incident. Following a comprehensive investigation into the source of the emergency situation, a corrective action shall be formulated by the Facility Manager and signed off on the *Environmental Corrective and Preventive Action Form*

Responsibility

General staff and contractors of AES (Ireland) Ltd. are responsible for being aware of the Malicious Damage Procedure and their responsibilities / requirements / obligations.

The Facility Manager is responsible for reporting any external persons found causing malicious damage, to the Gardai.

ERP 5.0 Unforeseen Emergency Procedure

Purpose

To outline the procedures to be adhered to in the event of an unforeseen emergency.

Scope

This procedure should be followed in the event of an unforeseen emergency occurring at this site.

Procedure

Following the occurrence of an incident requiring emergency action, the observant shall contact the most senior representative of management on-site.

Should it be deemed necessary by the Facility Manager the transfer station shall be evacuated and the emergency services contacted (list of local fire, police and hospital

telephone numbers are posted on the environmental noticeboard in the staff canteen and are also available at the main reception.

There shall be no re-entry permitted on site, until clearance is provided by a representative of the emergency services AND the most senior representative of management on-site.

Should the incident be determined to be capable of being addressed in-house, under the guidance of the most senior representative of management on-site, the Environmental Emergency Response Team shall be mobilised paying due regard to the appropriate emergency response procedure (ERP 2.0, 3.0, 4.0.)

The Facility Manager is responsible for informing the relevant authority if hazardous chemicals or firewater have infiltrated the drainage network.

Following an emergency, the Facility Manager shall record details of the incident. Following a comprehensive investigation into the source of the emergency situation, a corrective action shall be formulated by the Facility Manager and signed off on the *Environmental Corrective and Preventive Action Form*

Responsibility

General staff and contractors of AES (Ireland) Ltd. are responsible for being aware of this procedure and their responsibilities / requirements / obligations.

Training and awareness will be provided by AES (Ireland) Ltd. on an annual basis as a minimum.

The Facility Manager is responsible for informing the relevant authority should any hazardous chemicals or firewater have infiltrated the drainage network.

Following the emergency, the Facility Manager is responsible for ensuring that the incident has been documented and, that effective corrective action has been implemented.

Environmental Corrective and Preventive Action Form

Reference Number		Date: / /	Initiator	
Nature of Non-Compliance?	Actual / Potential	Description of Non-Compliance:		
Identified as a Result of:				
Date of Identification: / /	Identified By:			
Agencies Informed, Date and Details:				
Action Plan:				
Responsibility:				
Target Date for Completion: / /	Actual Date of Completion: / /			
Closed by:	Date: / /			



TO WHOM IT MAY CONCERN

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We act as Insurance Brokers to Bord Na Mona Plc and Associated / Subsidiary Companies including Advanced Environmental Solutions Ltd (AES) and are pleased to confirm that the following insurances are in place:

A: Public/Products Liability

Limit: €6,500,000
Insurer: Chubb Insurance
Expiry Date: 31st March 2008
Policy No: 7319 0556

Excess Public/Products Liability

Limit: €6,500,000 in excess of primary limit shown above
Insurer: AIG
Expiry Date: 31st March 2008
Policy number: EXL03705

B: Employers Liability

Limit: €13,000,000
Insurer: Lloyds Underwriters
Expiry Date: 31st March 2008
Policy No: 409/A2100108

C: Motor Fleet

Comprehensive cover on all vehicles belonging to or hired lent leased to the insured.
Drivers: Open Driving Basis
Insurer: Hibernian
Expiry: 30th September 2008
Policy No: MF569532137

We trust that this is the information required but should you require any further detail please do not hesitate to contact us and we will be happy to answer any queries.

Yours faithfully


Graham Porter
Account Manager

Direct Line: 605 9423

E-mail: graham_porter@aon.ie



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John MacNamara

From: Tony Fitzgerald, Liability Claims Appraisers Ltd. [tony.fitzgerald@thornpart.ie]
Sent: 22 October 2007 16:43
To: John MacNamara
Subject: Public Liability cover

John

Our phone conversation today refers. I can confirm that the Bord Na Mona public liability policy provides an indemnity up to €6,500,000 in respect of accidental damage or injury occurring arising from the negligence of the policyholder. If a more definitive description is required it will be necessary to contact your insurance broker, Aon, but contact me if you need to discuss the matter further.

Kind Regards

A. Fitzgerald

Anthony Fitzgerald
Director
LCA Ltd. / Thornton & Partners
Ballymount Road Lower
Dublin 12

Ph: 00 353 1 4607700
Fax: 00 353 1 4607783
Email: tony.fitzgerald@thornpart.ie

Linda Cahill

From: Linda Halpin
Sent: 22 October 2007 11:45
To: Linda Cahill
Subject: FW: Insurance Summary



BNM Confirmation
of Insurance ...

Linda Halpin - Senior Finance Manager
Advanced Environmental Solutions (Ireland) Limited (AES) Unit 1 Monread Commercial
Park, Monread Road, Naas, County Kildare.

Direct: 045 843 804
Fax 045 981 621

AES is a wholly owned subsidiary of Bord na M6na -----Original Message-----
From: Joe Coleman [mailto:Joe.Coleman@bnm.ie]
Sent: 22 October 2007 10:37
To: Linda Halpin
Subject: Insurance Summary

Linda
Attached is a summary list of main policies for AES. A more detailed summary is being
pulled together for distribution to various managers.
Regards

Joseph Coleman
Group Treasurer
Bord Na Mona p.l.c
Main Street
Newbridge
Co.Kildare
Ireland
Ph 00353-45-439868

Bord na Mona p.l.c.

Registered Office: Main Street, Newbridge, Co.Kildare
Registered No: 297717

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SECTION K REMEDIATION, DECOMMISSIONING, RESTORATION AND AFTERCARE

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

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

Attachment included	yes <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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Attachment K.1 Remediation, Decommissioning, Restoration & Aftercare

It is envisaged that the facility will continue to operate over an open-ended period. In the event of a cessation of activities at the site a full closure plan will be developed to decommission the facility to ensure no environmental pollution occurs. The Closure Plan will involve removal of all waste from the site to appropriate destinations and decommissioning of all potential sources of environmental pollution on site. All plant and vehicles will be removed from the site. All tanks including fuel storage and effluent storage tanks will be emptied, cleaned where appropriate, and decommissioned. All effluent will be removed by an authorised operator.

The facility will be monitored until it is fully decommissioned and it is established there is no potential for emissions to the environment.

In the event of a decommissioning of this site the infrastructure on site could easily be converted or used for alternative activities.

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 <input checked="" type="checkbox"/>	no <input type="checkbox"/>	not applicable <input type="checkbox"/>
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Attachment L.1 Statutory Requirements

Compliance with Emission Standards

AES will operate the facility so as to comply with all emission standards and limits set out by the Environmental Protection Agency in the Waste Licence. Environmental monitoring is proposed for dust, noise and surface water.

Avoidance of Environmental Pollution

The facility is designed and operated to ensure that the operation of the facility will not cause environmental pollution.

Best Available Technology (BAT)

AES will employ sites practices and best available technology as appropriate in accordance with BAT principles to avoid any environmental pollution and prevent and mitigate any nuisance emissions from the facility.

Financial Provision

AES is one of the leading waste management companies in Ireland and is now a wholly-owned subsidiary of Bord Na Móna. As such, AES are fully aware of their responsibilities to make financial provision in respect to the operation of a waste recovery facility as set out in Section 53 of the Act.

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.

WASTE Application Form

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

No employee of the applicant, AES, has been convicted of an offence under the Waste Management Act 1996.

Technical Competence & Site Management

AES is one of the leading waste management companies in Ireland and has successfully operated in this field for over 13 years. AES has extensive of operating licensed facilities and will operate the facility in strict accordance with the Waste Licence. The staff structure and experience / qualifications of key staff members involved in the management and operation of the facility has been included in Attachment C 1.

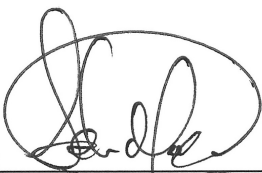
SECTION M DECLARATION

Declaration

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

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

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

Signed by : 
(on behalf of the organisation)

Date : 2/11/07

Print signature name: Sean MacLachlan

Position in organisation : Environmental Director

Company stamp or seal:
Unit 1, Monread Commercial Park,
Monread Road, Naas, Co. Kildare.
Tel: 045-843800 Fax: 045-981621
AES (Ireland) Ltd.

ANNEX 1 STANDARD FORMS

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

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

Emission Point Ref. N ^o :	Not applicable
Location :	
Grid Ref. (12 digit, 6E,6N):	
Vent Details Diameter:	
Height above Ground(m):	
Date of commencement of emission:	

Characteristics of Emission :

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

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

Periods of Emission (avg)	_____min/hr _____hr/day _____day/yr
---------------------------	---

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

Emission Point Ref. N ^o :	Not applicable
Source of Emission:	
Location :	
Grid Ref. (12 digit, 6E,6N):	
Vent Details Diameter:	
Height above Ground(m):	
Date of commencement:	

Characteristics of Emission :

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

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

Periods of Emission (avg)	_____min/hr _____hr/day _____day/yr
---------------------------	---

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

Emission Point Reference Number: Not applicable

Parameter	Prior to treatment ⁽¹⁾				Brief description of treatment	As discharged ⁽¹⁾								
	mg/Nm ³		kg/h			mg/Nm ³		kg/h.		kg/year				
	Avg	Max	Avg	Max		Avg	Max	Avg	Max	Avg	Max			

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

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

Emission point Reference Numbers	Description	Emission details ¹				Abatement system employed
		material	mg/Nm ³⁽²⁾	kg/h.	kg/year	
A2-1	Dust emissions from loading and unloading operations	Dust	Not applicable			Waste activities limited to inside main building. Hardstanding areas cleaned regularly. Storage of waste limited to inside main waste building. All putrescible / biodegradable waste to be removed off site within 48 hours of arrival.
A2-2	Odour from storage of putrescible / biodegradable waste	Not applicable	Not applicable			

1 The maximum emission should be stated for each material emitted, the concentration should be based on the maximum 30 minute mean.

2 Concentrations should be based on Normal conditions of temperature and pressure, (i.e. 0°C/101.3kPa). Wet/dry should be clearly stated. Include reference oxygen conditions for combustion sources.

TABLE E.2(i): EMISSIONS TO SURFACE WATERS
(One page for each emission)

Emission Point:

Emission Point Ref. N ^o :	SW1
Source of Emission:	Outlet from Oil Interceptor
Location :	North East corner of site
Grid Ref. (10 digit, 5E,5N):	(184,934, 178,826)
Name of receiving waters:	Not applicable
Flow rate in receiving waters:	<p style="text-align: center;">_Not applicable_ m³.sec⁻¹ Dry Weather Flow</p> <p style="text-align: center;">_Not applicable_ m³.sec⁻¹ 95%ile flow</p>
Available waste assimilative capacity:	Not applicable kg/day

Emission Details:

(i) Volume to be emitted



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Normal/day	14.732m ³	Maximum/day	353.556m ³
Maximum rate/hour	172.295m ³		

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

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

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

Emission point reference number : SW 1

Parameter	Prior to treatment				As discharged				% Efficiency
	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	Max. hourly average ¹ (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	
pH (pH Units)					7.5				Not determined
BOD (mg/l)					19				Not determined
Conductivity (µS/cm)					553				Not determined
Mineral Oils (µg/l)					<10				Not determined

Note 1 – Figures based on one sampling event

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

Emission Point: SE1

Emission Point Ref. N ^o :	SE1
Location of connection to sewer :	Access manhole to tank located in ramp to east of main waste building
Grid Ref. (10 digit, 5E,5N):	(184,914, 178,792)
Name of sewage undertaker:	Thornton's

Emission Details: Run off from slab within waste building to on-site tank

(i) Volume to be emitted			
Normal/day	0.25m ³	Maximum/day	0.75m ³
Maximum rate/hour	0.3m ³		

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

Periods of Emission (avg)	_____min/hr _____hr/day _____day/yr
---------------------------	-------------------------------------

Emission Point: SE2

Emission Point Ref. N ^o :	SE2
Location of connection to sewer :	Beneath pavement to East of main waste building
Grid Ref. (10 digit, 5E,5N):	(184,929, 178,795)
Name of sewage undertaker:	Thornton's

Emission Details: Sanitary effluent from facility toilets

(i) Volume to be emitted			
Normal/day	0.48m ³	Maximum/day	0.60m ³
Maximum rate/hour	0.08m ³		

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

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

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

Emission point reference number : Not applicable¹

Parameter	Prior to treatment				As discharged				% Efficiency
	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	Max. hourly average (mg/l)	Max. daily average (mg/l)	kg/day	kg/year	

Note 1: No emissions to local authority sewers, effluent removed by tanker off site



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

Emission Point or Area: Not applicable

Emission Point/Area Ref. N°:	
Emission Pathway: (borehole, well, percolation area, soakaway, landspreading, etc.)	
Location :	
Grid Ref. (10 digit, 5E,5N):	
Elevation of discharge: (relative to Ordnance Datum)	
Aquifer classification for receiving groundwater body:	
Groundwater vulnerability assessment (including vulnerability rating):	
Identity and proximity of groundwater sources at risk (wells, springs, etc):	
Identity and proximity of surface water bodies at risk:	



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Emission Details: **Not applicable**

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

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

Periods of Emission (avg)	_____min/hr	_____hr/day	_____day/yr
---------------------------	-------------	-------------	-------------

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

Source	Emission point Ref. No	Equipment Ref. No	Sound Pressure ¹ dBA at reference distance	Octave bands (Hz) Sound Pressure ¹ Levels dB(unweighted) per band								Impulsive or tonal qualities	Periods of Emission	
				31.5	63	125	250	500	1K	2K	4K			8K
Vehicle movements	N1	HGVs	101.8 dB(A) Lw (sound power level) at 1m	62.0	72.3	81.0	85.1	89.7	93.4	90.7	83.7	76.8	Potentially tonal at start-up.	Operational hours
Unloading / loading of waste transportation vehicles by excavator	N2	Backhoe Excavator	97.0 dB(A) Lw (sound power level) at 10m	---	63	73	80	83	85	85	84	78	Potentially tonal at start-up.	Operational hours

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

TABLE F.1: ABATEMENT / TREATMENT CONTROL

Emission point reference number : SW1

Control ¹ parameter	Equipment ²	Equipment maintenance	Equipment calibration	Equipment back-up
	Oil Interceptor prior to discharge point	Emptying & Cleaning		

Control ¹ parameter	Monitoring to be carried out ³	Monitoring equipment	Monitoring equipment calibration

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

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

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



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

Emission Point Reference No(s). : SW1

Parameter	Monitoring frequency	Accessibility of Sampling Points
PH	Quarterly	Good
Biological Oxygen Demand	Quarterly	Good
Suspended Solids	Quarterly	Good
Minerals Oils	Quarterly	Good
Total Nitrogen	Quarterly	Good
Total Ammonia	Quarterly	Good
Chemical Oxygen Demand	Quarterly	Good
Electrical Conductivity	Quarterly	Good



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

Monitoring Point Reference No : D1, D2, D3, D4 & O1, O2, O3, O4

Parameter	Monitoring frequency	Accessibility of Sampling point
Dust deposition	Three times annually	Good
Odour	Daily	Good

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

Ref. N ^o or Code	Material/ Substance ⁽¹⁾	CAS Number	Danger ⁽²⁾ Category	Amount Stored (tonnes)	Annual Usage (tonnes)	Nature of Use	R ⁽³⁾ - Phrase	S ⁽³⁾ - Phrase
	Diesel				13.9	Fuel requirements of excavator		
	Hydraulic Oil				0.52*	Operation & maintenance of excavator		
	Engine Oil					Operation & maintenance of excavator		

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

TABLE H.1(i): WASTE - Hazardous Waste Recovery/Disposal – NOT APPLICABLE

Waste material	EWC Code	Main source ¹	Quantity		On-site Recovery/Disposal (Method & Location)	Off-site Recovery, reuse or recycling (Method, Location & Undertaker)	Off-site Disposal (Method, Location & Undertaker)
			Tonnes / month	m ³ / month			
Not applicable							

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

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

Waste material	EWC Code	Main source ¹	Quantity		On-site recovery/disposal ² (Method & Location)	Off-site Recovery, reuse or recycling (Method, Location & Undertaker)	Off-site Disposal (Method, Location & Undertaker)
			Tonnes / month	m ³ / month			
Mixed Packaging	15 01 06	Commercial	165.17			AES Tullamore (W0104-1)	
Metal	17 04 07	Commercial	15.12			MSM Recycling, Mountmellick, Co. Laois (WMP 005c)	
Timber	15 01 03	Commercial	62.44			AES Portlaoise, Thornton's Recycling	KTK Landfill W0081-02
Commercial Mixed Waste	20 03 01	Commercial	818.08			AES Navan (W0131)	Ballaghenvy Landfill W0078-01 KTK Landfill W0081-02 Ballynagran Landfill W0165-01 Derryclure Landfill W0029-01 Kyletalesha Landfill W0026-02
Domestic Mixed Waste	20 03 01	Domestic	689.78			AES Navan (W0131)	Derryclure Landfill W0026-02 Ballaghenvy Landfill W0078 Kyletalesha Landfill W0026-02
Dry Recyclables	20 03 01	Domestic	187.64			AES Tullamore (W0104-01)	
Construction & Demolition Waste	17 09 04	Construction Waste	124.27			AES Portlaoise (W0194-01)	

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

2 The method of disposal or recovery should be clearly described and referenced to Attachment H.1

Table I.2(i) SURFACE WATER QUALITY

(Sheet 1 of 2) Monitoring Point/ Grid Reference: ____ Not Applicable _____

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

Surface Water Quality (Sheet 2 of 2)

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



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Table I.4(i) GROUNDWATER QUALITY

(Sheet 1 of 2) Monitoring Point/ Grid Reference:

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



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GROUNDWATER QUALITY (SHEET 2 OF 2)

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

Table I.6(i) Ambient Noise Assessment

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

	National Grid Reference	Sound Pressure Levels		
	(5N, 5E)	L(A) _{eq}	L(A) ₁₀	L(A) ₉₀
1. SITE BOUNDARY				
Location N1:	(184897, 178734)	59	61	53
Location N2:	(184872, 178789)	55	57	52
Location N3:	(184924, 178815)	65	67	59
Location N4:	(184961, 178739)	54	57	49
2. NOISE SENSITIVE LOCATIONS				
Location NSL1:	(184897, 178714)	60	61	53
Location NSL2:	(184767, 178718)	52	51	45
Location 3:				
Location 4:				

NOTE: All locations should be identified on accompanying drawings.
Locations shown on DG0007.