



**ATTACHMENTS IN SUPPORT OF
EXISTING WASTE LICENCE 104-01**

FOR

AES (Ireland) LTD

ORIGINAL

Prepared for:

Environmental Protection Agency
McCumiskey House
Richview
Clonskeagh
Dublin 14

Prepared by:

Fehily Timoney & Co.
Core House
Pouladuff Road
Cork

September 2008





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User is Responsible for Checking The Revision Status Of This Document

Rev. Nr.	Description of Changes	Prepared by:	Checked by:	Approved by:	Date:
0	Issue to Client	DFM	ME		08.09.08

Client: Advanced Environmental Solutions (Ireland) Ltd.

Keywords: waste licence review application, attachments, waste intensification, site boundary, foul water management

Abstract: This document contains the attachments to the application for a waste licence review to the EPA for the extension of AES's waste management facility at Tullamore, Co. Offaly. The application is made by Fehily Timoney & Company on behalf of the facility owners AES. This application is being made to intensify waste acceptance activities, increase facility operational hours and revise the site boundary, with resulting amendments to site layout, as a result of the compulsory purchase order for a portion of the facility lands.

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ATTACHMENT A - NON TECHNICAL SUMMARY

Attachment A.1

This Non-Technical Summary has been prepared in accordance with Article 12(1)(u) of the Waste Management (Licensing) Regulations S.I. 395 of 2004. Sub-articles (a) to (t) of Article 12 are addressed below.

For clarity, the paragraph numbering is in accordance with the numbering of Article 12(1), (a) to (t).

Article 12(1)

(a) General Details

AES Ireland Ltd.
Unit 1 Monread Commercial Park
Monread Road
Naas
Co. Kildare

Tel: 045 843 800
Fax: 045 981 621

Registered Company No: 224173

(b) Planning Authority

The development is proposed for a site in the functional area of Offaly County Council:

Aras an Chontae
Charleville Road
Tullamore
Co. Offaly

(c) Sanitary Authority

An appropriate wastewater treatment facility for the disposal of final effluent generated at the facility will be determined with the agreement of the Agency in due course.

(d) Location

The proposed facility will be located in the townland of Cappancur, Tullamore, Co. Offaly. The National Grid reference for the site is:

E 2356 N 2252

(e) Nature of the Development

The review application is primarily concerned with the intensification of waste acceptance activities at the existing AES waste facility at Cappancur, Tullamore. The review application also refers to a proposed increase in facility operational hours and a revision of the site boundary and site layout within the revised boundary. The revision to the site boundary is resulting from the compulsory acquisition of approximately 0.12 hectares of the northern portion of the facility by Offaly County Council/NRA to facilitate the development of the N52 Tullamore bypass.

The AES waste management facility at Tullamore is located within the Cappancur Industrial Estate along the local Daingean Road approximately 2 kilometres to the east of Tullamore town. The site location is illustrated in Figure 1.1 of the EIS which accompanies this review application. The applicant proposes to increase the existing waste acceptance from 24,000 tonnes per annum to 50,000 tonnes per annum.

Currently, household, commercial, industrial, construction and demolition (C&D) wastes as well as small quantities of household hazardous waste are accepted at the facility. The nature of waste accepted at the facility will not be altered by the intensification of waste acceptance activities.

In summary, the proposed development will consist of the following:

- (a) relocation and expansion of the existing administration building
- (b) relocation and upgrade of the existing wastewater treatment plant
- (c) construction of an effluent holding tank
- (d) revision of internal car parking arrangements
- (e) revision of the site boundary
- (f) intensification of waste acceptance activities from 24,000 to 50,000 tonnes per annum of non-hazardous municipal waste, construction & demolition waste and small quantities of household hazardous waste
- (g) increase in facility opening hours from 06:00 to 00:00.

(f) Class of Activity

In accordance with the Third and Fourth Schedules of the Waste Management Acts, 1996 to 2003, the site is licenced to carry out the following classes of activity:

Table 1: Waste Disposal Activities, in accordance with the Third Schedule of the Waste Management Acts 1996 to 2003

Class 11	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule. This activity is limited to the mixing of waste prior to baling/bulking
Class 12	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule. This activity is limited to the baling/bulking of waste prior to the transfer for disposal off site

Class 13	<p>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> <p>This activity is limited to the storage of waste prior to the baling/bulking and transfer for disposal off-site</p>
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Table 2: Waste Recovery Activities, in accordance with the Fourth Schedule of the Waste Management Acts 1996 to 2003

Class 2	<p>Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes):</p> <p>This activity is limited to segregation and baling of plastics, cardboard and paper as well as collection of newsprint, textiles, timber, waste oils, wood, paints prior to recovery off-site</p>
Class 3	<p>Recycling or reclamation of metals and metal compounds:</p> <p>This activity is limited to the segregation of aluminium cans, tin cans, scrap metal, batteries and white goods prior to recovery off-site</p>
Class 4	<p>Recycling or reclamation of other inorganic materials:</p> <p>This activity is limited to the segregation of construction and demolition waste, DIY waste, electronics, glass and tyres prior to recovery off-site</p>
Class 12	<p>Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule:</p> <p>This class of activity allows for waste containing recyclables to be processed at the facility</p>
Class 13	<p>Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced:</p> <p>This activity allows for the storage of waste accepted at the facility prior to recovery off-site</p>

(g) Quantity of Nature of Waste (EWC Code)

The proposed intensification of waste acceptance at the Tullamore facility will increase the annual tonnage from 24,000 tonnes per annum (as per the existing waste licence W104-01) to 50,000 tonnes per annum. The proposed quantities are given in tonnes per annum in Table 3.

Table 3: Proposed Quantities of Waste to be accepted at AES Tullamore

WASTE TYPE	MAXIMUM (TONNES PER ANNUM)
MUNICIPAL SOLID WASTE	14,000
COMMERCIAL & INDUSTRIAL WASTE	26,000
C&D WASTE	9,800
HOUSEHOLD HAZARDOUS WASTE	200
TOTAL	50,000

The bulk of the 50,000 tonnes of household, commercial and industrial waste will consist of mixed packaging and dry recyclables from AES Ltd. commercial and domestic customers.

It is proposed to accept 200 tonnes of household hazardous wastes e.g. waste electrical and electronic equipment (WEEE), paints, batteries etc. to allow for quantities of this material which may be inadvertently accepted in with municipal household waste.

Specific EWC codes are outline in Table 4.

Table 4: EWC Codes

Proposed		
Waste Type	Max Tonnes Per annum	EWC Codes
Municipal Solid Waste	14,000	15 01 06 – mixed packaging
		20 03 01 – mixed municipal wastes
		20 03 02 – waste from markets
		20 03 03 – street cleaning residues
		20 01 02 - glass
		19 12 12 - other waste (including mixtures of materials) from mechanical treatment of waste other than those mentioned in 19 12 11
Commercial & Industrial Waste	26,000	15 01 01 – paper and cardboard packaging
		15 01 02 – plastic packaging
		15 01 03 – wooden packaging
		15 01 04 – metallic packaging
		15 01 05 – composite packaging
		15 01 07 – glass packaging
		20 01 01 – paper and cardboard
		20 01 02 - glass

		20 01 38 – wood other than that mentioned in 20 01 37
C & D waste	9800	17 01 07 – mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06
		17 02 01 – wood
		17 02 02 – glass
		17 02 03 - plastic
		17 04 07 – mixed metals
		17 05 04 – solid stones other than those mentioned in 17 05 03
		17 06 04 – insulation materials other than those mentioned in 17 06 01 and 17 06 03
		17 09 04 – mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03
Household Hazardous waste	200	13 02 04 – mineral-based chlorinated engine, gear and lubricating oils
		13 02 05 – mineral-based non-chlorinated engine, gear and lubricating oils
		13 02 06 – synthetic engine, gear and lubricating oils
		13 02 07 – readily biodegradable engine, gear and lubricating oils
		13 02 08 – other engine, gear and lubricating oils
		16 01 07 – oil filters
		16 02 11 – discarded equipment containing chlorofluorocarbons, HCFC, HFC
		20 01 23 – discarded equipment containing chlorofluorocarbons
		20 01 27 - paint, inks, adhesives and resins containing dangerous substances
		20 01 28 - paint, inks, adhesives and resins other than those mentioned in 20 01 27
		20 01 33 – batteries and accumulators included in 16 06 01, 16 06 02 or 16 06 03 and unsorted batteries and accumulators containing these batteries
20 01 36 – discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35		
TOTAL	50,000	

(h) Raw Materials

The facility currently uses materials, substances, fuels and energy during operation. The facility uses diesel fuel, electricity, and water during operations and small amounts of vermin controls are on-site. Annual audits will be carried out to ensure that energy is being used efficiently.

The following are estimates for the annual consumption of fuel and energy on-site:

Diesel Fuel 62,400 Litres

Electricity 238,380 kW/h

It is expected that usage of electricity and diesel fuel consumption will increase onsite dependant on the requirement to operate the facility on a two shift basis which is to be confirmed.

(i) Plant, Processes and Operating Procedures

Existing Development

All waste accepted at the waste management facility is subject to documented waste acceptance procedures. All waste material arriving to the facility passes over the weighbridge where details of the loads are recorded. Waste arrives at the site in either skip lorries or articulated lorries with ejector trailers.

Waste is unloaded in one of two locations depending on its nature. Dry recyclables/mixed waste is unloaded in the south western corner of the processing building where it is spread out using a tracked excavator with a grab. The waste material is visually inspected and any non acceptable material is removed and placed in the waste quarantine area prior to being taken off site. The waste is then loaded onto a conveyor that feeds the picking line.

Construction and demolition waste is unloaded in the north eastern section of the processing building. Material is unloaded and spread out using an excavator and visually inspected. Recoverable/recyclable material is removed and non-recyclable material is taken off site for disposal.

Dry recyclable/mixed waste is loaded onto a conveyor that feeds a manual picking line that is installed at an elevated height. Operatives remove recoverable/recyclable material from the waste stream as it passes along a horizontal belt.

Materials reclaimed from the waste stream are placed in individual chutes such that paper, card and plastics are isolated, then separated at the picking line and collected in containers underneath the picking line.

After passing through the picking line, the remaining materials pass through a magnetic separator and eddy current separator to reclaim both ferrous and non ferrous metals.

Recyclable materials like paper, cardboard, plastics and metals are baled onsite prior to transport off site to dedicated recycling facilities.

The material separated onsite goes for either final disposal, if non recyclable, or for further processing, if recyclable. Material is separated into suitable receptacles and passes over the weighbridge where details of the load are recorded.

Proposed Development

It is not expected that waste acceptance and processing procedures will be altered as a result of the intensification of waste acceptance activities.

(j) Regarding Paragraphs (a) to (g) of section 40 (4) of the Waste Management Act

The information contained within the waste licence application form and its attachments including the enclosed Environmental Impact Statement demonstrates that the proposed facility meets the above requirements of the Act.

(K) Emissions from the Site

Air

Under the requirements of the existing waste licence W104-01, there are no point source emissions to air from operations at the AES Tullamore facility. Fugitive dust emissions do arise from the existing facility. Monitoring of these emissions occurs at 4 location onsite under the conditions of waste licence 104-01

It is proposed to install a dust extraction system over the picking line within the waste acceptance building from an occupational health and safety viewpoint. Air extracted at this location will pass through a dust filter prior to venting to atmosphere. Discharge will be through a vent situated on the western flank on the waste processing building.

Noise

The noise sources associated with the operation of the facility at Tullamore include:

- the deliveries of material to the site
- the unloading and loading of waste within the processing building
- material handling within the processing building
- movement of skips within the site boundary
- plant and waste processing equipment

Noise monitoring is carried out at quarterly intervals at the existing facility as required under the existing waste licence W104-01. This monitoring is carried out at four site boundary locations.

A full assessment of the impact of noise from increased waste activities at the site is included in the accompanying EIS. This assessment concluded that there would be no significant impact as a result of increased waste acceptance at the facility.

Surface Water

Surface water runoff is currently generated from the hardstanding areas and building on-site. This run-off is collected in a network of drains and conveyed to a silt trap and interceptor, prior to discharge to a drainage ditch located to the south of the facility. Surface water discharges are not expected to be altered as a result of increased waste acceptance at the facility.

Foul water generated in the facility is currently directed to a packaged wastewater treatment plant.

As part of the overall development and resulting from the CPO acquisition of a portion of the facility, this packaged plant will be relocated and upgraded. A sump tank for the collection of effluent generated within the waste processing building will be installed within the processing building. This sump tank will pump effluent generated within the building to a larger holding tank, which will be constructed as part of the overall development, prior to tankering offsite for treatment. Discharge from the upgraded WWTP will also be collected in this tank.

Groundwater

There will be no direct emissions to groundwater from the proposed intensification activities at AES Tullamore. Three groundwater monitoring wells have been installed as required under waste licence 104-01. Water quality monitoring will be conducted at each of these wells as agreed with the Agency.

(l) Effects of Emissions

An assessment of the effects of the above listed emissions on the environment has been carried out and it has been concluded that the proposed development will not significantly effects the environment. Further details on emissions can be found in Sections 3, 4 & 5 of the EIS and Attachment E of the Waste Licence Application. The facility has been designed to minimise the emission of pollutants and operational procedures will be implemented to reinforce these design features.

(m) Monitoring and Sampling Points

A complete and comprehensive regime of regular environmental monitoring will be implemented at the site by the Applicant, in continuation of the current monitoring practices carried out under waste licence W104-01. The Applicant proposes the reduction in number of the current noise and dust monitoring locations from four monitoring locations to three monitoring locations. The applicant proposes the redesignation of the surface water monitoring locations as outlined in Section 5 of the EIS. The Applicant also proposes the establishment of an air monitoring location as indicated in Section 3.4 of the EIS. The locations of the proposed monitoring points are indicated in Figure 2.4 of the EIS. All environmental monitoring will be carried out by qualified persons and any laboratory analysis that is required will be carried out at an approved laboratory.

All monitoring will be carried out according to established procedures, approved by the Agency. Annual reports containing details of environmental monitoring will be prepared and presented to the Agency.

(n) Arrangements for Waste Arising from Activity

A small quantity of waste will be generated on site from the use of the canteens, offices, etc and from the maintenance of plant and machinery. Source segregation of this waste will be carried out to recover as many recyclable materials as possible.

Wastewater from the administration area and welfare facilities will be treated in an onsite proprietary treatment unit, with the effluent being collected in an effluent holding tank. Washdown effluent that may be generated in the waste processing building will be directed to a sump tank within the building and then pumped to the leachate holding tank. Leachate collected in the holding tank will be tankered offsite at regular interval for treatment at an appropriate wastewater treatment facility.

(o) Arrangements for Off-Site Treatment or Disposal of Wastes

Solid waste for recovery or disposal offsite will be sent to appropriate (licensed or permitted) outlets in agreement with the Agency.

Effluent collected in the effluent holding tank will be tankered offsite for treatment at an appropriate wastewater treatment facility.

(p) Unauthorised or Unexpected Emissions

Staff will be present on site at all times during opening hours to supervise and carry out operations and to deal with any emergencies. A CCTV security system is installed onsite. Key staff will be on-call to respond to any emergency situation outside of normal working hours e.g. nighttime, Sundays and Public Holidays.

An Emergency Response Procedure has been developed for the facility operation and deals with unexpected emissions such as odour/dust emissions to air, noise or emission to water and other eventualities e.g. fire or plant breakdown. The Emergency procedure includes details of persons to contact, emergency services numbers and actions to be taken. These have been submitted and agreed with the Agency.

The above-unexpected emissions/eventualities have not occurred to date at the facility and are not anticipated, however if they do arise they will be dealt with as per the procedure.

(q) Closure and Restoration

It is anticipated that the facility will be operated indefinitely. However if the facility should close for some unforeseen reason all waste and all equipment will be removed from the facility. Waste would be removed to authorised facilities. Equipment would be recycled where possible. The building where waste activities occur would, (if permissible) remain and would likely be used again.

If a decision is taken to decommission the facility, the Agency will be notified at least six months in advance of the closure and an aftercare management plan will be prepared and submitted to the Agency within this time period.

Activities at the site are unlikely to result in either groundwater or land contamination as the entire site is made up of concrete hardstandings and there is no permanent storage of waste on site. The nature of activities that occur at the site will ensure that no remediation of the site will be necessary in the event of closure of the facility.

(r) Relates to landfilling of waste and is not relevant to this development.

(s) European communities (Control of Major Accident Hazards Involving Dangerous Substances) Regulation 2000

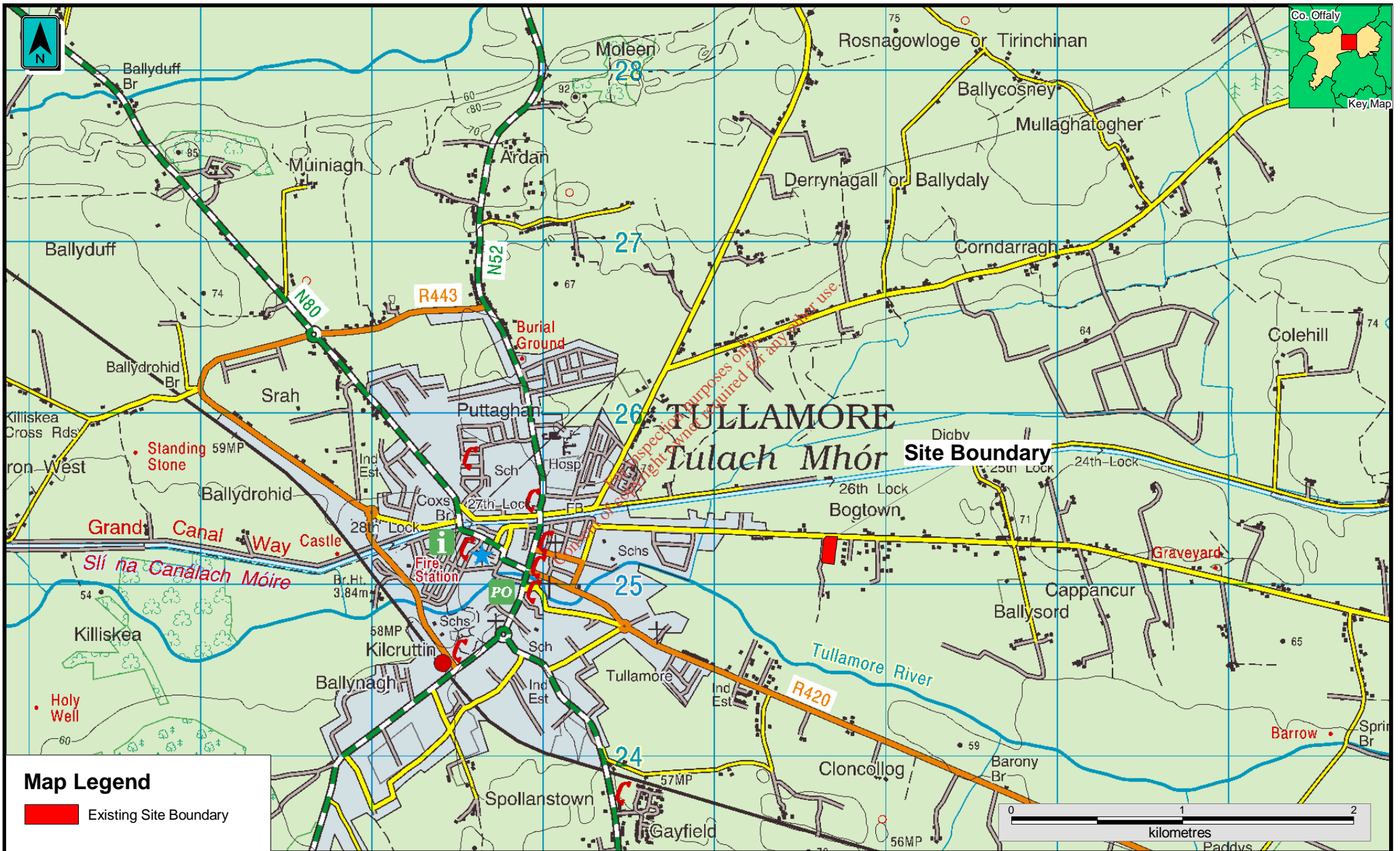
The above Regulations do not apply to the proposed activity.

(t) Geological & hydrogeological nature of the land

There will be no direct discharge to groundwater, as all proposed waste activities take place on hard standing surfaces and indoors.

Section 4 of the accompanying EIS outlines the geological and hydrogeological environment with regard to the AES Tullamore facility.

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ATTACHMENT B - GENERAL

Attachment B1 Applicant Details

- a) A copy of the Certificate of Incorporation for AES (Ireland) Ltd. is attached in Attachment B.1.1
- b) the Company's Registration Number is: **224173**
- c) The Company Directors are:
 - Tom Walsh
 - Ger Bisset
 - Bill McCabe
 - Martin Scully
 - John Kerrigan
 - Paul O'Brien
 - Colm O'Gogain
- d) Land interest details are shown in Drawing CE08-628-01-100-002.

Attachment B.2 Location of Activity

- Figure 1.1 of the EIS illustrates the location of site
- Drawing CE08-628-01-100-003 – Site Plan illustrates the boundary to which the application relates as well as the location of the site notice
- Drawing CE08-628-01-100-001 – Site Location Map indicates details of buildings, roads, rivers, canals, powercables and water supply within 500 metres of the facility
- Drawing CE08-628-01-100-004 – Site Services indicates details of underground services within 250 metres of the facility

Attachment B.3 Planning Authority

The planning authority is Offaly County Council. A planning application is in the process of being submitted with an Environmental Impact Statement for the proposed intensification of waste activities and associated development.

Copies of the three most recent planning permissions in relation to the AES Ltd. Cappancur facility are included in Attachment B.3.1.

Attachment B.4 Sanitary Authority

An appropriate wastewater treatment facility for the disposal of final effluent generated at the facility will be determined with the agreement of the Agency in due course.

Attachment B.6 Notices and Advertisements

Site Notice

- Attachment B.6.1 contains a copy of the Site Notice. Drawing CE08-628-01-100-003 indicates the location of the site notice.

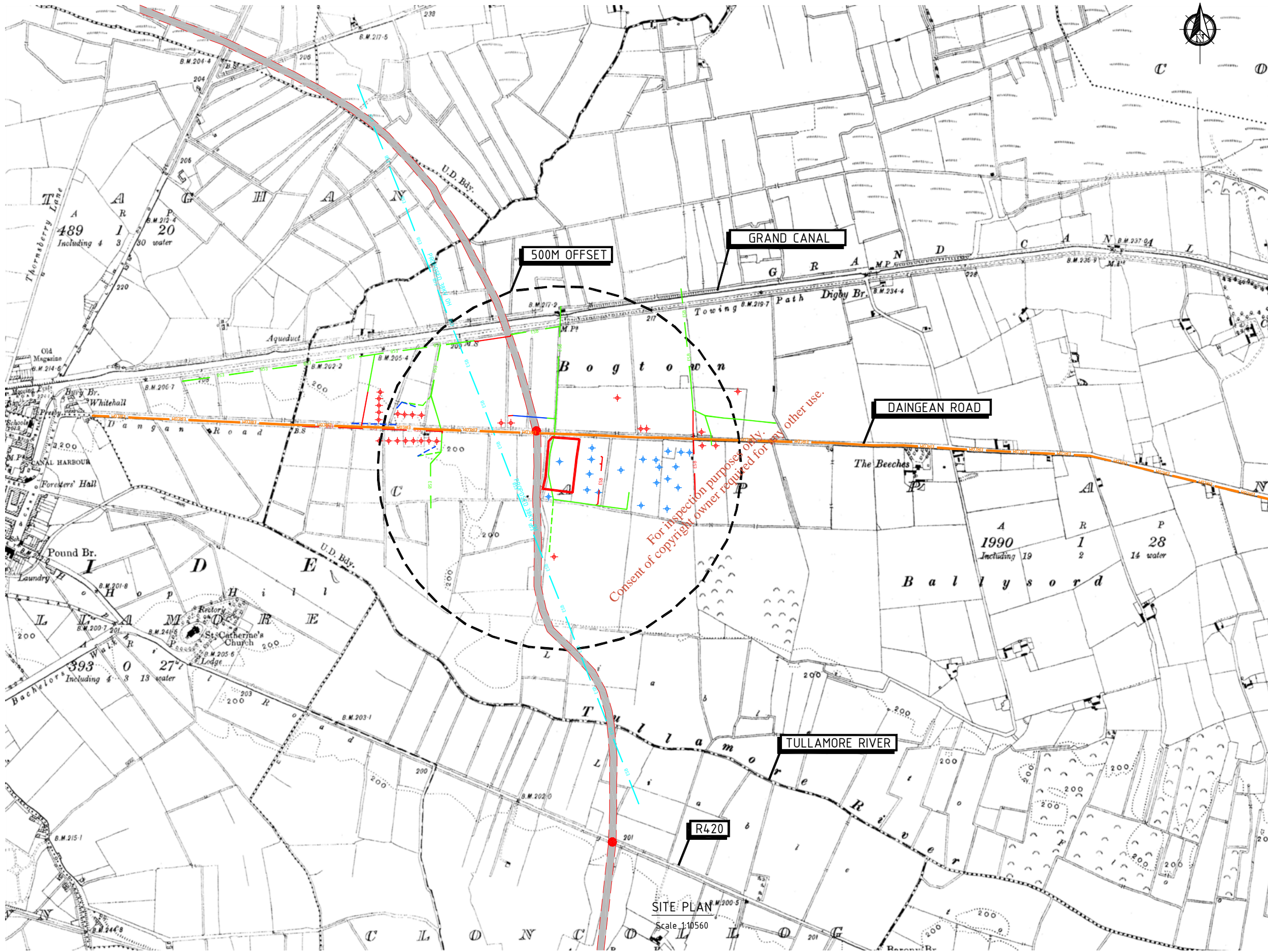
Newspaper Notice

- The original application includes the complete newspaper in which the advertisement was placed.
- The relevant page of the newspaper containing the advertisement is included with the 3 copies of the application in Attachment B.6.1.

Notice of Application to Planning Authority

- A copy of the notice of the application to the Planning Authority (Offaly County Council) is attached in B.6.1.

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FACILITY
 Grid Reference: E2356
 N2252
 Address: AES (Ireland) Ltd,
 Cappancur Industrial Estate,
 Cappancur,
 Tullamore,
 Co. Offaly

NOTE
 No Gas Pipelines Existing in The
 Vicinity of the Site.

- LEGEND**
- Route of N52 Tullamore Bypass (Under Construction)
 - + Residential Building
 - + Commercial/Industrial Building
 - Eircom Services Overground
 - ESB MV Overhead Lines
 - ESB LV Overhead Lines
 - ESB MV/LV Underground Cable Routes

Rev.	Drawn	Checked	Appd	Rev Origin	Date	Description
A				Cork	05.09.08	ISSUE FOR WASTE LICENCE

Name of Client
 ADVANCED ENVIRONMENTAL SOLUTIONS

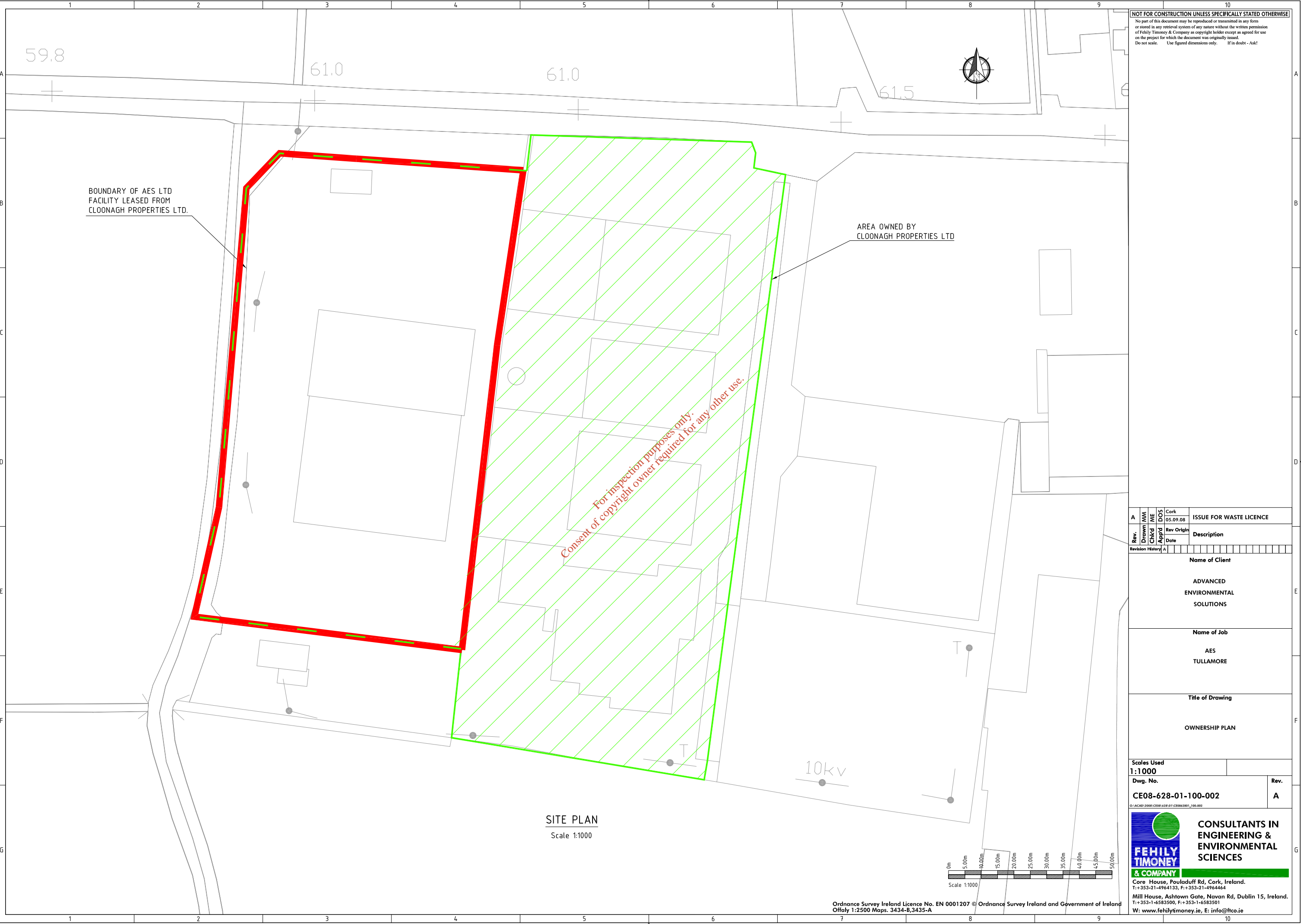
Name of Job
 AES TULLAMORE

Title of Drawing
 SITE LOCATION MAP
 (INCLUDING OVERGROUND SERVICES)

Scale Used	1:10560
Dwg. No.	CE08-628-01-100-001
Rev.	A

FEHILY TIMONEY & COMPANY
 CONSULTANTS IN ENGINEERING & ENVIRONMENTAL SCIENCES
 Core House, Pouladuff Rd, Cork, Ireland.
 T: +353-21-4964133, F: +353-21-4964464
 Mill House, Ashdown Gate, Navan Rd, Dublin 15, Ireland.
 T: +353-1-6583500, F: +353-1-6583501
 W: www.fehilytimoney.ie, E: info@ftco.ie

NATURAL SCALE



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Revision History A	
Name of Client	
ADVANCED ENVIRONMENTAL SOLUTIONS	
Name of Job	
AES TULLAMORE	
Title of Drawing	
OWNERSHIP PLAN	

Scales Used	1:1000
Dwg. No.	CE08-628-01-100-002
Rev.	A

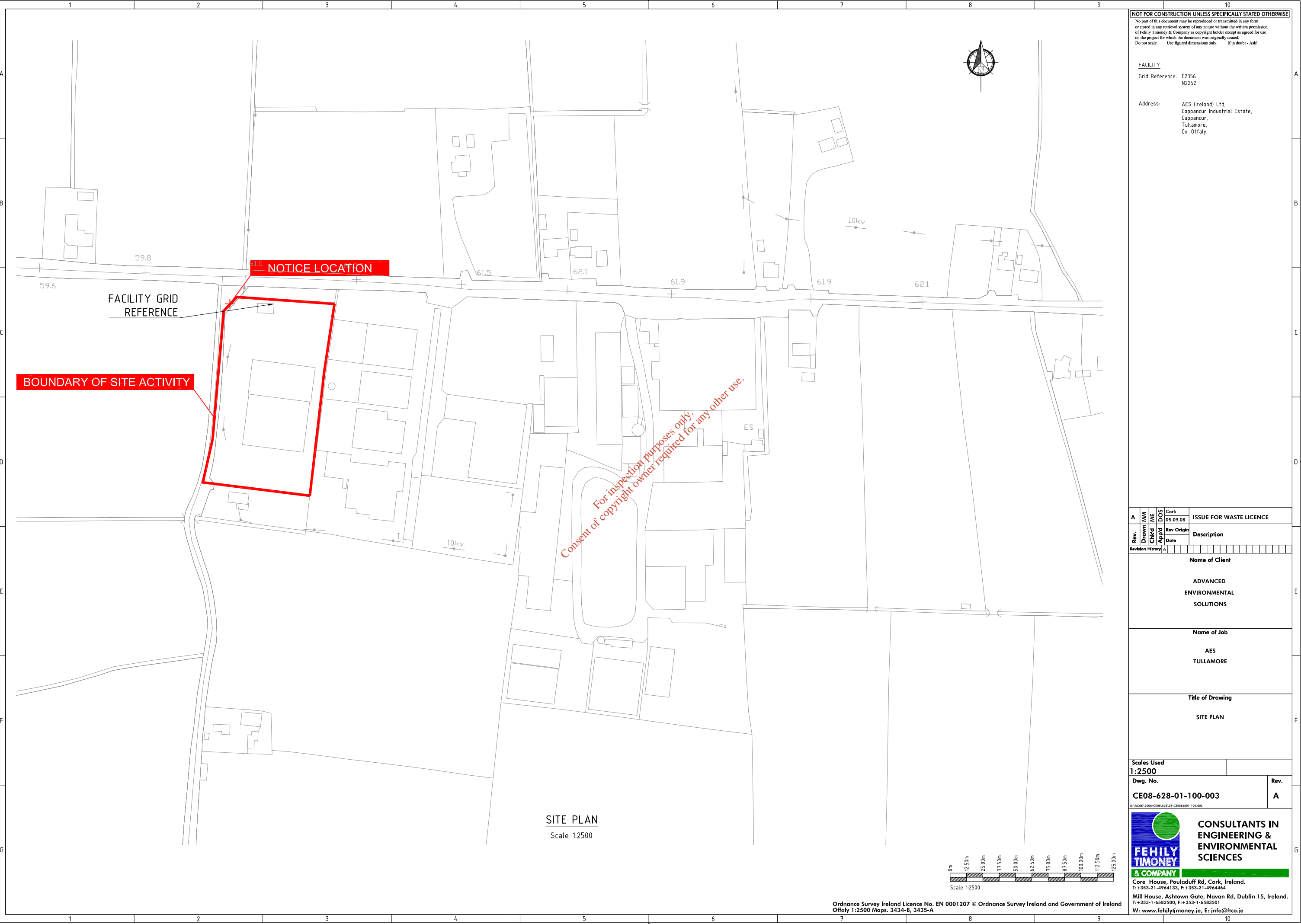
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CONSULTANTS IN ENGINEERING & ENVIRONMENTAL SCIENCES

Core House, Pouladuff Rd, Cork, Ireland.
T: +353-21-4964133, F: +353-21-4964464

Mill House, Ashtown Gate, Navan Rd, Dublin 15, Ireland.
T: +353-1-6583500, F: +353-1-6583501

W: www.fehilytimoney.ie, E: info@ftco.ie



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FACILITY
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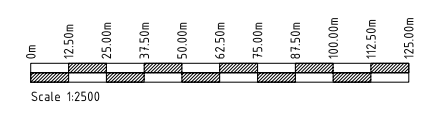
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Revision History A	
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ADVANCED ENVIRONMENTAL SOLUTIONS	
Name of Job	
AES TULLAMORE	
Title of Drawing	
SITE PLAN	

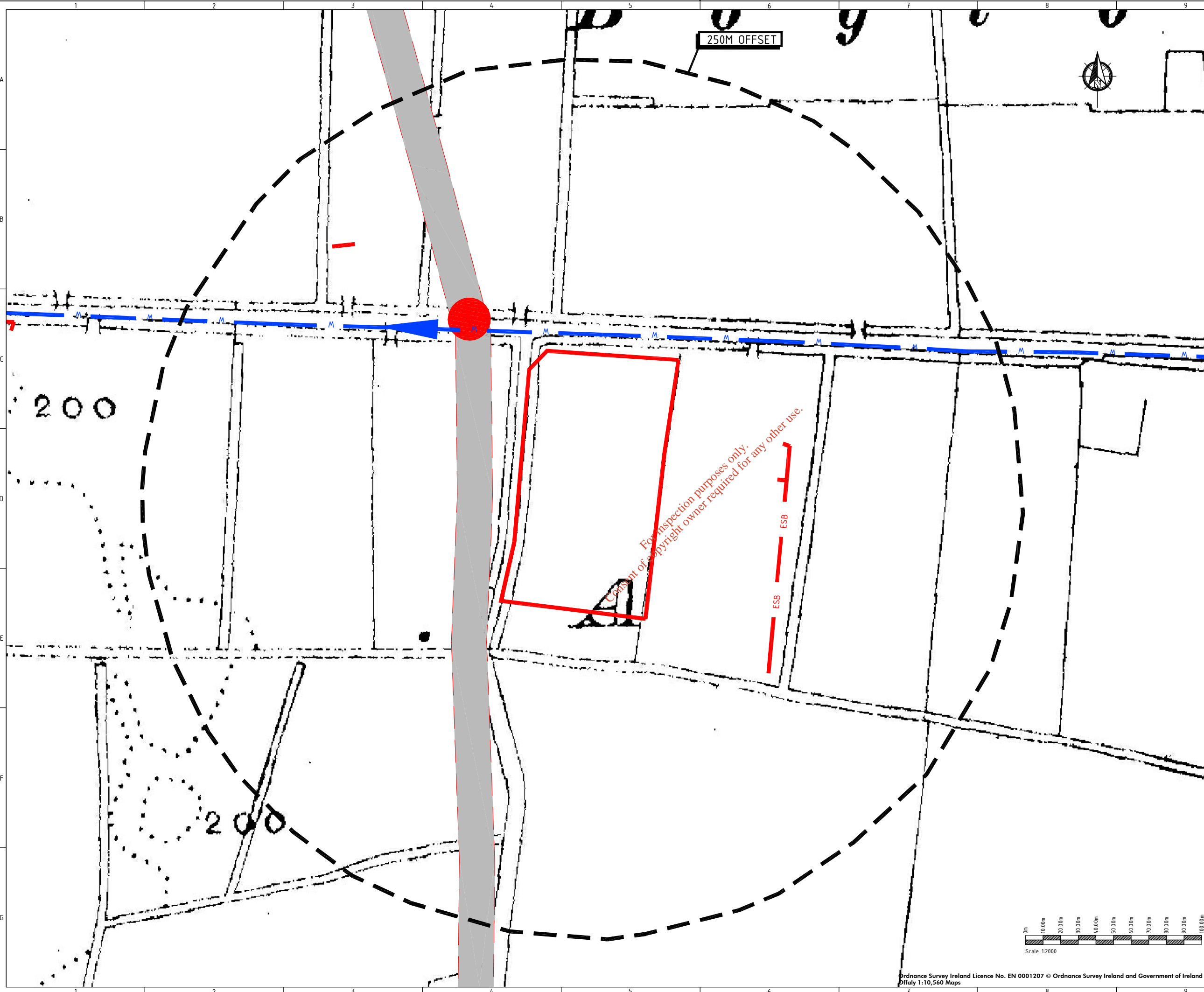
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SITE PLAN
 Scale 1:2500



Ordnance Survey Ireland Licence No. EN 0001207 © Ordnance Survey Ireland and Government of Ireland
 Offaly 1:2500 Maps. 3434-B, 3435-A



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FACILITY
Grid Reference: E2356
N2252

Address: AES (Ireland) Ltd,
Cappancur Industrial Estate,
Cappancur,
Tullamore,
Co. Offaly

- Route of N52 Tullamore Bypass (Under Construction)
- Ballinagar Group Water Scheme (Source in Excess of 1km From AES Facility)
- ESB - MV/LV Underground Cable Routes

Rev.	Drawn	Checked	Appd	Rev Orig	Date	Description
A	MM	WE	DOS	Cork	05.09.08	ISSUE FOR WASTE LICENCE

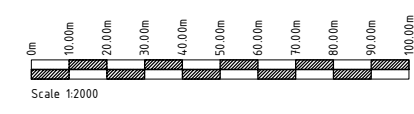
Name of Client
ADVANCED ENVIRONMENTAL SOLUTIONS

Name of Job
AES TULLAMORE

Title of Drawing
SITE SERVICES (INCLUDING UNDERGROUND SERVICES)

Scales Used
1:2000
Dwg. No. **CE08-628-01-100-004** Rev. **A**

CONSULTANTS IN ENGINEERING & ENVIRONMENTAL SCIENCES
Core House, Pouladuff Rd, Cork, Ireland.
T: +353-21-4964133, F: +353-21-4964464
Mill House, Ashtown Gate, Navan Rd, Dublin 15, Ireland.
T: +353-1-6583500, F: +353-1-6583501
W: www.fehilytimoney.ie, E: info@ftco.ie



Attachment B.1.1
Certificate of Incorporation

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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


For Registrar of Companies

Fees and Deed Stamps	165.00
Stamp Duty on Capital	1.00

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Certified to be a true copy of the original
AOLM COX 21/11/94

Attachment B.3.1

Copy of Planning Permissions & Waste Licence Register Number 104-1

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

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WASTE LICENCE

Waste Licence	104-1
Register Number:	
Licensee:	Advanced Environmental Solutions (Ireland) Limited
Location of Facility:	Cappincur, Tullamore, County Offaly

INTRODUCTION

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

This licence is for the operation of a waste transfer station including a civic waste facility located at Cappincur, Tullamore, County Offaly.

The quantity of waste to be accepted at the facility is limited to 24,000 tonnes per annum consisting of household waste, commercial and industrial waste, C&D waste and household hazardous waste.

All waste will be processed inside the transfer station by segregating and baling recyclable waste and removing the residual to landfill for disposal. Receptacles will be provided at the civic waste facility for collection/storage of various recyclable wastes such as bottles, metals, white goods which will be sent for recycling/recovery off site. The facility is also licensed to accept a limited quantity of household hazardous waste (e.g. waste oil, fluorescent tubes and batteries) at the civic waste facility.

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

The licence sets out in detail the conditions under which Advanced Environmental Solutions (Ireland) Limited will operate and manage this facility.

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DECISION & REASONS FOR THE DECISION

Reasons for the Decision

On the basis of the information before it, the Environmental Protection Agency is satisfied that the waste activity, or activities, licensed hereunder will comply with the requirements of Section 40(4) of the Waste Management Acts, 1996-2003.

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

Part I Schedule of Activities Licensed

In pursuance of the powers conferred on it by the Waste Management Acts, 1996-2003, the Environmental Protection Agency (the Agency), under Section 40(1) of the said Act hereby grants this Waste Licence to Advanced Environmental Solutions (Ireland) Limited to carry on the waste activities listed below at Cappincur, Tullamore, County Offaly subject to conditions, with the reasons therefor and the associated schedules attached thereto set out in the licence.

Licensed Waste Disposal Activities, in accordance with the Third Schedule of the Waste Management Acts, 1996-2003

Class 11.	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule. This activity is limited to the mixing of waste prior to baling/bulking.
Class 12.	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule. This activity is limited to the baling/bulking of waste prior to the transfer for disposal off site.
Class 13.	Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced. This activity is limited to the storage of waste prior to the baling/bulking and transfer for disposal off-site.

Licensed Waste Recovery Activities, in accordance with the Fourth Schedule of the Waste Management Acts, 1996-2003

Class 2.	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes): This activity is limited to segregation and baling of plastics, cardboard and paper as well as collection of newsprint, textiles, timber, waste oils, wood, paints prior to recovery off-site.
Class 3.	Recycling or reclamation of metals and metal compounds: This activity is limited to the segregation of aluminium cans, tin cans, scrap metal, batteries and white goods prior to recovery off-site.
Class 4.	Recycling or reclamation of other inorganic materials: This activity is limited to the segregation of construction and demolition waste, DIY waste, electronics, glass and tyres prior to recovery off-site.

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

This activity is limited to exchange of waste that can be reclaimed and reused such as timber pallets.

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

This activity is limited to the storage of waste types authorised by this licence at the facility prior to recovery off-site.

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INTERPRETATION

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

Adequate lighting	20 lux measured at ground level.
Agreement	Agreement in writing.
Annually	At approximately twelve monthly intervals.
Attachment	Any reference to Attachments in this licence refers to attachments submitted as part of the waste licence application.
Application	The application by the licensee for this waste licence.
Appropriate facility	A waste management facility, duly authorised under relevant law and technically suitable.
BATNEEC	Best Available Technology Not Entailing Excessive Cost as defined in Section 5(2) of the Act.
Bi-annually	All or part of a period of six consecutive months.
Biodegradable waste	Any waste that is capable of undergoing an anaerobic or aerobic decomposition, such as food, garden waste, sewage sludge, paper and paperboard.
Condition	A condition of this licence.
Consignment Note	All movements of hazardous waste within Ireland must be accompanied by a "C1" consignment note issued by a local authority under the Waste Management (Movement of Hazardous Waste) Regulations (SI No. 147 of 1998).
Construction and Demolition Waste	All wastes which arise from construction, renovation and demolition activities.
Containment boom	A boom which can contain spillages and prevent them from entering drains or watercourses.
Daytime	8.00 a.m. to 10.00 p.m.
Documentation	Any report, record, result, data, drawing, proposal, interpretation or other document in written or electronic form which is required by this licence.
Drawing	Any reference to a drawing or drawing number means a drawing or drawing number contained in the application, unless otherwise specified in this licence.
Emergency	Those occurrences defined in Condition 9.4.
Emission Limits	Those limits, including concentration limits and deposition levels established in <i>Schedule C: Emission Limits</i> , of this licence.
European Waste Catalogue (EWC)	A harmonised, non-exhaustive list of wastes drawn up by the European Commission and published as Commission Decision 94/3/EC and any subsequent amendment published in the Official Journal of the European Community.
Green waste	Waste wood (excluding timber), plant matter such as grass cuttings, and

	other vegetation.
Hours of Operation	The hours during which the facility is authorised to be operational.
Hours of Waste Acceptance	The hours during which the facility is authorised to accept waste
Incident	The following shall constitute an incident for the purposes of this licence: a) an emergency; b) any emission which does not comply with the requirements of this licence; c) any exceedance of the daily duty capacity of the waste handling equipment; d) any trigger level specified in this licence which is attained or exceeded; and any indication that environmental pollution has, or may have, taken place.
Industrial Waste	As defined in Section 5(1) of the Act.
Inert waste	Waste as defined in SI 336 of 2002 Waste Management (Licensing) (Amendment) Regulations, 2002.
Landfill Directive	Council Directive 1999/31/EC.
Licence	A Waste Licence issued in accordance with the Act.
Licensee	Advanced Environmental Solutions (Ireland) Ltd.
Liquid Waste	Any waste in liquid form and containing less than 2% dry matter. Any waste tankered to the facility.
Maintain	Keep in a fit state, including such regular inspection, servicing, calibration and repair as may be necessary to adequately perform its function.
Mobile Plant	Self-propelled machinery used for the emplacement of wastes or for the construction of specified engineering works.
Monthly	A minimum of 12 times per year, at approximately monthly intervals.
Municipal waste	As defined in Section 5(1) of the Act.
Night-time	10.00 p.m. to 8.00 a.m.
Noise Sensitive Location (NSL)	Any dwelling house, hotel or hostel, health building, educational establishment, place of worship or entertainment, or any other facility or area of high amenity which for its proper enjoyment requires the absence of noise at nuisance levels.
Oil Separator	Device installed according to the draft European Standard prEN 858 (Installations for the separation of light liquids, e.g. oil and petrol).
Recyclable Materials	Those waste types, such as cardboard, batteries, gas cylinders, etc, which may be recycled.
Quarterly	At approximately three monthly intervals.
Sample(s)	Unless the context of this licence indicates to the contrary, samples shall include measurements by electronic instruments.

Specified Emissions	Those emissions listed in <i>Schedule C: Emission Limits</i> of this licence.
Specified Engineering Works	Those engineering works listed in <i>Schedule B: Specified Engineering Works</i> of this licence.
Trigger Level	A parameter value specified in the licence, the achievement or exceedance of which requires certain actions to be taken by the licensee.
Wastewater	Contaminated water including water that has been used, for washing, and/or flushing (including foul water).
Weekly	During all weeks of plant operation, and in the case of emissions, when emissions are taking place; with no more than one measurement in any one week.
White Goods	Refrigerators, cookers, ovens and other similar appliances.
EPA Working Day	Refers to the following hours; 9.00 a.m. to 5.30 p.m. Monday to Friday inclusive.

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PART II CONDITIONS

CONDITION 1 SCOPE OF THE LICENCE

- 1.1 Waste activities at the facility shall be restricted to those listed and described in Part I: Activities Licensed and authorised by this licence.
- 1.2 For the purposes of this licence, the facility is the area of land outlined in red on Drawing No. B.2.1 *Site Map (Boundary in red)* of the Article 14 reply submitted 13/08/03. Any reference in this licence to “facility” shall mean this area outlined in red.
- 1.3 This licence is for the purposes of waste licensing under the Waste Management Acts, 1996-2003 only and nothing in this licence shall be construed as negating the licensee’s statutory obligations or requirements under any other enactments or regulations.
- 1.4 Waste shall be accepted at the facility only from customers who are holders of a waste permit, unless exempted, under the Waste Management (Collection Permit) Regulations 2001 or from other licensed/permitted facilities.
- 1.5 Only those waste categories and quantities listed in *Schedule A: Waste Acceptance* of this licence, shall be accepted at the facility.
- 1.6 No hazardous wastes or liquid wastes (excluding household hazardous waste listed in *Schedule A: Waste Acceptance*) shall be accepted at the facility.
- 1.7 Waste Acceptance Hours and Hours of Operation
 - 1.7.1 Waste shall be accepted at the facility only between the hours of 8:00 to 19:00 Monday to Saturday inclusive.
 - 1.7.2 The facility shall be operated only during the hours of 7:00 to 20:00 Monday to Saturday inclusive.
 - 1.7.3 Waste shall not be accepted at the facility on Sundays or on Bank Holidays.
- 1.8 Every plan, programme or proposal submitted to the Agency for its agreement pursuant to any Condition of this licence shall include a proposed timescale for its implementation. The Agency may modify or alter any such plan, programme or proposal in so far as it considers such modification or alteration to be necessary and shall notify the licensee in writing of any such modification or alteration. Every such plan, programme or proposal shall be carried out within the timescale fixed by the Agency but shall not be undertaken without the agreement of the Agency. Every such plan, programme or proposal agreed by the Agency shall be covered by the conditions of this licence.

REASON: *To clarify the scope of this licence.*

CONDITION 2 MANAGEMENT OF THE FACILITY

- 2.1 Facility Management
 - 2.1.1 The licensee shall employ a suitably qualified and experienced facility manager who shall be designated as the person in charge. The facility manager or a nominated,

suitably qualified and experienced, deputy shall be present on the facility at all times during its operation.

2.1.2 The Civic Waste Facility shall be supervised by an appropriately qualified and competent person at all times when waste may be accepted.

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

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

2.2 Management Structure

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

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

2.3 Environmental Management System (EMS)

2.3.1 The licensee shall establish and maintain an EMS. Within eighteen months from the date of grant of this licence, the licensee shall submit to the Agency for its agreement a proposal for a documented Environmental Management System (EMS) for the facility. Following the agreement of the Agency, the licensee shall establish and maintain such a system. The EMS shall be updated on an annual basis with amendments being submitted to the Agency for its agreement.

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

2.3.2.1 Schedule of Environmental Objectives and Targets

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

2.3.2.2 Environmental Management Plan (EMP)

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

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

2.3.2.3 Corrective Action Procedures

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

2.3.2.4 Awareness and Training Programme

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

2.4 Communications Programme

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

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

CONDITION 3 FACILITY INFRASTRUCTURE

- 3.1 The licensee shall establish all infrastructure referred to in this licence prior to the commencement of the licensed activities or as required by the conditions of this licence.

3.2 Specified Engineering Works

- 3.2.1 The licensee shall submit proposals for all Specified Engineering Works, as defined in *Schedule B: Specified Engineering Works* of this licence, to the Agency for its agreement at least two months prior to the intended date of commencement of any such works. No such works shall be carried out without the prior agreement of the Agency.
- 3.2.2 All specified engineering works shall be supervised by a competent person(s) and that person, or persons, shall be present at all times during which relevant works are being undertaken.
- 3.2.3 Following the completion of all specified engineering works, the licensee shall complete a construction quality assurance validation. The validation report shall be made available to the Agency on request. The report shall include the following information:-
- a) a description of the works;
 - b) as-built drawings of the works;
 - c) records and results of all tests carried out (including failures);
 - d) drawings and sections showing the location of all samples and tests carried out;
 - e) daily record sheets/diary;
 - f) name(s) of contractor(s)/individual(s) responsible for undertaking the specified engineering works;
 - g) name(s) of individual(s) responsible for supervision of works and for quality assurance validation of works;
 - h) records of any problems and the remedial works carried out to resolve those problems; and
 - i) any other information requested in writing by the Agency.

3.3 Facility Notice Board

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

3.3.2 The board shall clearly show:-

- a) the name and telephone number of the facility;
- b) the normal hours of opening;
- c) the name of the licence holder;
- d) an emergency out of hours contact telephone number;
- e) the licence reference number; and
- f) where environmental information relating to the facility can be obtained.

3.4 Facility Security

3.4.1 Within six months from the date of grant of this licence, the licensee shall install and maintain security fencing, gates and closed circuit television (CCTV) around the facility boundary. The base of the fencing shall be set in the ground.

3.4.2 The licensee shall remedy any defect in the gates and/or fencing as follows:-

- a) a temporary repair shall be made by the end of the working day; and
- b) a repair to the standard of the original gates and/or fencing shall be undertaken within three working days.

3.5 Facility Roads and Site Surfaces

3.5.1 Effective site roads shall be provided and maintained to ensure the safe movement of vehicles within the facility.

3.5.2 The licensee shall provide, and maintain an impermeable concrete surface in all areas of the facility, the surfaces shall be concreted and constructed to British Standard 8110 or an alternative as agreed by the Agency.

3.6 Facility Office

3.6.1 The licensee shall provide and maintain an office at the facility. The office shall be constructed and maintained in a manner suitable for the processing and storing of documentation.

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

3.7 Waste Inspection and Quarantine Areas

3.7.1 Within six months from the date of grant of this licence, the licensee shall provide and maintain a Waste Inspection Area and a separate Waste Quarantine Area at the facility.

- 3.7.2 These areas shall be constructed and maintained in a manner suitable, and be of a size appropriate, for the inspection of waste and subsequent quarantine if required. The waste inspection area and the waste quarantine area shall be clearly identified and segregated from each other.
- 3.7.3 Drainage from these areas shall be diverted for collection and safe disposal.
- 3.7.4 The waste quarantine area shall be secured and rendered impervious to the material stored therein.
- 3.8 Weighbridge
- 3.8.1 The licensee shall provide and maintain a weighbridge at the facility.
- 3.9 Waste handling, ventilation and processing plant
- 3.9.1 Items of plant deemed critical to the efficient and adequate processing of waste at the facility (including *inter alia* waste loading vehicles and ejector trailers) shall be provided on the following basis:-
- a) 100% duty capacity;
 - b) 50% standby capacity available on a routine basis; and
 - c) Provision of contingency arrangements and/or back up and spares in the case of breakdown of critical equipment.
- 3.9.2 Within six months from the date of grant of this licence, the licensee shall provide a report for the agreement of the Agency detailing the duty and standby capacity in tonnes per day, of all waste handling and processing equipment to be used at the facility. These capacities shall be based on the licensed waste intake, as per *Schedule A: Waste Acceptance*, of this licence.
- 3.9.3 The quantity of waste to be accepted at the facility on a daily basis shall not exceed the duty capacity of the equipment at the facility. Any exceedance of this intake shall be treated as an incident.
- 3.10 Wastewater Treatment System
- 3.10.1 The licensee shall provide and maintain an on-site Wastewater Treatment System at the facility for the treatment of toilet and canteen wastewater. The treatment system and percolation area shall satisfy the criteria set out in the Wastewater Treatment Manual, *Treatment Systems for Single Houses*, published by the Environmental Protection Agency.
- 3.11 Tank and Drum Storage Areas
- 3.11.1 All tank and drum storage areas shall be rendered impervious to the materials stored therein.
- 3.11.2 All tank and drum storage areas shall, as a minimum, be bunded, either locally or remotely, to a volume not less than the greater of the following:-
- a) 110% of the capacity of the largest tank or drum within the bunded area; or
 - b) 25% of the total volume of substance which could be stored within the bunded area.
- 3.11.3 All drainage from bunded areas shall be diverted for collection and safe disposal.
- 3.11.4 All inlets, outlets, vent pipes, valves and gauges must be within the bunded area.

The integrity and water tightness of all the bunds and their resistance to penetration by water or other materials stored therein shall be confirmed by the licensee and shall be reported to the Agency within six months of the date of grant of this licence or following its installation and prior to its use as a storage area.

This confirmation shall be repeated at least once every three years thereafter and reported to the Agency on each occasion.

3.12 Drainage system, pipeline testing

- 3.12.1 The drainage systems described below for wastewater and surface water run-off shall be installed within six months from the date of grant of this licence, unless otherwise agreed by the Agency.
- 3.12.2 Wastewater from toilets and canteen shall be discharged to the Wastewater Treatment System installed on site.
- 3.12.3 Wastewater excluding toilet and canteen wastewater shall be discharged to on-site storage tanks and tankered off-site in fully enclosed road tankers to an appropriate Wastewater Treatment Plant, agreed in advance by the Agency.
- 3.12.4 Surface water run-off from areas with waste storage/handling shall pass via a silt trap and a dedicated interceptor prior to being discharged to the piped drainage system discharging to Tullamore River.
- 3.12.4.1 On exceedance of the surface water emission limit values, the contaminated surface water run-off shall be tankered off-site in fully enclosed road tankers to an appropriate Wastewater Treatment Plant, agreed in advance by the Agency.
- 3.12.4.2 Within six months from the date of grant of this licence, the licensee shall submit a report assessing whether treatment of the process area surface water run-off is required.
- 3.12.4.3 The dedicated interceptor shall be a Class I full retention interceptor. The silt trap and interceptor shall be in accordance with European Standard prEN 858 (installations for the separation of light liquids).
- 3.12.4.4 The dedicated interceptor shall have the capacity to hold 1/100 of annual average rainfall from the outdoors waste storage/handling area(s).
- 3.12.4.5 A manual shut-off valve shall be installed at the interceptor.
- 3.12.5 Uncontaminated surface water run-off from non process areas shall be discharged to the piped drainage system discharging to Tullamore River.
- 3.12.5.1 The uncontaminated surface water run-off excluding run-off from roof buildings shall pass via a silt trap and oil interceptor. The interceptor shall be a Class I full retention interceptor. The silt trap and interceptor shall be in accordance with European Standard prEN 858 (installations for the separation of light liquids).
- 3.12.5.2 A manual shut-off valve shall be installed at the interceptor.
- 3.12.6 The licensee shall submit a drawing to the Agency within three months of the date of grant of this licence, indicating all drainage arrangement at the site as detailed in the licence.

3.12.7 Within three months from the date of grant of this licence, all foul sewer gullies, drainage grids and manhole covers shall be painted with red squares whilst all surface water discharge gullies, drainage grids and manhole covers shall be painted with blue triangles. These colour codes shall be maintained so as to be visible at all times during facility operation, and any identification designated in this licence (e.g. SW1) shall be inscribed on these manholes.

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

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

3.13 Civic Waste Facility

3.13.1 The licensee shall submit to the Agency for its agreement, a proposal detailing the layout and design of the Civic Waste Facility prior to commencement of waste activities at the Civic Waste Facility.

3.13.2 The household hazardous waste area shall be appropriately sized, secure, bunded and surfaced to deal with spillages of liquids.

3.14 Monitoring Infrastructure

3.14.1 Groundwater

- (i) Within three months from the date of grant of this licence, the licensee shall install three groundwater monitoring points to allow for the sampling and analyses of groundwater at a location to be agreed by the Agency prior to installation. The existing well on site may be proposed for inclusion as one of the three boreholes to be installed, subject to assessment of suitability.

3.14.2 Replacement of Infrastructure

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

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

CONDITION 4 RESTORATION AND AFTERCARE

4.1. A proposal for a Decommissioning and Aftercare Plan for the facility shall be submitted to the Agency within twelve months of the date of grant of this licence. The licensee shall update these schemes when required by the Agency.

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

CONDITION 5 FACILITY OPERATIONS

- 5.1 All waste processing shall be carried out inside the waste transfer building.
- 5.2 Waste Acceptance and Characterisation Procedures
- 5.2.1 Within six months of the date of grant of this licence, the licensee shall submit to the Agency for its agreement detailed written procedures for the acceptance and handling of all wastes.
- 5.2.2 Waste arriving at the facility shall be inspected at the point of entry to the facility and subject to this inspection, weighed, documented and directed to the Waste Transfer Building. Each load of waste arriving at the Waste Transfer Building shall be inspected upon tipping within this building. Only after such inspections shall the waste be processed for disposal or recovery.
- 5.2.3 Any waste deemed unsuitable for processing at the facility and/or in contravention of this licence shall be immediately separated and removed from the facility at the earliest possible time. Temporary storage of such wastes shall be in a designated Waste Quarantine Area. Waste shall be stored under appropriate conditions in the quarantine area to avoid putrefaction, odour generation, the attraction of vermin and any other nuisance or objectionable condition.
- 5.2.4 A record of all inspections of incoming waste loads shall be maintained.
- 5.3 Operational Controls
- 5.3.1 The floor of the waste transfer building shall be washed down weekly. The floor of the storage bays for recovered wastes shall be washed down and cleaned on each occasion such bays are emptied.
- 5.3.2 Scavenging shall not be permitted at the facility.
- 5.3.3 Gates shall be locked shut when the facility is unsupervised.
- 5.3.4 The licensee shall provide and use adequate lighting during the operation of the facility in hours of darkness.
- 5.3.5 Fuels shall be stored only at appropriately bunded locations on the facility.
- 5.3.6 All tanks and drums shall be labelled to clearly indicate their contents.
- 5.3.7 No smoking shall be allowed on the facility (other than in the office).
- 5.4 Off-site Disposal and Recovery
- 5.4.1 All waste transferred from the facility shall be transferred by an authorised or exempted carrier, and only to an appropriate facility agreed by the Agency. Any request for agreement of such a facility shall be forwarded to the Agency at least one month in advance of its proposed use and shall include the following;
- (i) A copy of the waste permit or waste licence where applicable.
 - (ii) The proposed waste types and quantities.
 - (iii) Details of any limitations on waste types and quantities acceptable at the facility.
- 5.5 Civic Waste Facility

- 5.5.1 The Civic Waste Facility shall be used only by private vehicles. The facility shall not be used as a transfer station for disposal of waste by commercial waste disposal contractors or local authority waste collection vehicles.
- 5.5.2 The following wastes shall be accepted at the Civic Waste Facility: glass, beverage cans, white goods, batteries, waste oils, papers, cardboard, plastic bottles, newsprint, paper, metals, textiles, DIY waste, electrical goods, wood, tyres, paint, green waste and juice/milk cartons, unless otherwise agreed by the Agency.
- 5.5.3 All waste deposited in the Civic Waste Facility shall be either:-
- (a) into a skip;
 - (b) into a receptacle for recovery;
 - (c) into a bunded area; or
 - (d) in the case where inspection is required, into a designated inspection area.
- 5.5.4 The licensee shall assign and clearly label each container at the Civic Waste Facility to indicate their contents.
- 5.5.5 At the end of the working day the floor of the Civic Waste Facility shall be cleared of waste.
- 5.5.6 All waste accepted at the Civic Waste Facility for disposal off-site shall be removed within 24 hours of its arrival on-site.
- 5.6 Maintenance
- 5.6.1 All treatment/abatement and emission control equipment shall be calibrated and maintained, in accordance with the instructions issued by the manufacturer/supplier or installer. Written records of the calibrations and maintenance shall be made and kept by the licensee.
- 5.7 Landscaping
- 5.7.1 Landscaping of the facility shall be carried out within twelve months of the date of grant of this licence.
- 5.7.2 The existing hedgerow network which forms the northern boundary of the facility shall be retained by the licensee as indicated in Attachment C.7 Existing Environment – Landscape of the Additional Information to Supplement Original Application submitted 18/03/02.

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

CONDITION 6 EMISSIONS

- 6.1 No specified emission from the facility shall exceed the emission limit values set out in *Schedule C: Emission Limits* of this licence. There shall be no other emissions of environmental significance.
- 6.2 The licensee shall ensure that the activities shall be carried out in a manner such that emissions do not result in significant impairment of, or significant interference with the environment beyond the facility boundary.

- 6.3 Emissions to Surface Water
- 6.3.1 No wastewater shall be discharged to surface water drains and water courses.
- 6.3.2 The trigger levels for surface water discharges from the facility measured at the discharge points into the piped drainage ditch are:-
- a) BOD 25mg/l
 - b) Suspended Solids 35mg/l
- 6.3.3 No substance shall be discharged in a manner, or at a concentration which, following initial dilution causes tainting of fish or shellfish.
- 6.4 There shall be no direct emissions to groundwater.
- 6.5 There shall be no clearly audible tonal component or impulsive component in the noise emissions from the activity at the noise sensitive locations.

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

CONDITION 7 NUISANCE CONTROL

- 7.1 The licensee shall ensure that vermin, birds, flies, mud, dust, litter and odours do not give rise to nuisance at the facility or in the immediate area of the facility. Any method used by the licensee to control any such nuisance shall not cause environmental pollution.
- 7.2 The road network in the vicinity of the facility shall be kept free from any debris caused by vehicles entering or leaving the facility. Any such debris or deposited materials shall be removed without delay.
- 7.3 Litter Control
- 7.3.1 All loose litter or other waste, placed on or in the vicinity of the facility, other than in accordance with the requirements of this licences, shall be removed, subject to the agreement of the landowners, immediately and in any event by 10.00am of the next working day after such waste is discovered.
- 7.3.2 The licensee shall ensure that all vehicles delivering waste to and removing waste and materials from the facility are appropriately covered.
- 7.4 Dust/Odour Control
- 7.4.1 All putrescible waste for disposal stored overnight at the facility, shall be stored in suitably covered and enclosed containers within the Waste Transfer Building, and shall be removed from the facility within forty eight hours, except at Bank Holiday weekends. At Bank Holiday weekends, putrescible waste for disposal shall be removed from site within seventy-two hours of its arrival on site.
- 7.4.2 In dry weather, site roads and any other areas used by vehicles shall be sprayed with water as and when required to minimise airborne dust nuisance.
- 7.4.3 All stockpiles of construction and demolition waste shall be maintained so as to minimise dust generation.
- 7.4.4 Within nine months of the date of grant of this licence, the licensee shall install and provide adequate measures for the control of odours and dust emissions, including

fugitive dust emissions, from the facility. Such measures shall at a minimum include the following:-

- 7.4.4.1 Dust curtains shall be maintained on the entry/exit points from the waste transfer building, all other doors in this building shall be kept closed where possible.
- 7.4.4.2 Installation of an odour management system.
- 7.4.4.3 Provision of 100% duty capacity and 50% stand by capacity, back ups and spares must be provided for the air handling, ventilation and abatement plant.

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

CONDITION 8 MONITORING

- 8.1 The licensee shall carry out such monitoring and at such locations and frequencies as set out in *Schedule D: Monitoring* of this licence. Unless otherwise specified by this licence, all environmental monitoring shall commence no later than two months after the date of grant of this licence.
- 8.2 The licensee shall amend the frequency, locations, methods and scope of monitoring as required by this licence only upon the written instruction of the Agency and shall provide such information concerning such amendments as may be requested in writing by the Agency. Such alterations shall be carried out within any time scale nominated by the Agency.
- 8.3 Monitoring and analysis equipment shall be operated and maintained in accordance with the manufacturers' instructions (if any) so that all monitoring results accurately reflect any emission, discharge or environmental parameter.
- 8.4 The licensee shall provide safe and permanent access to all on-site sampling and monitoring points and to off-site points as required by the Agency.
- 8.5 The licensee shall maintain all sampling and monitoring locations and clearly label and name all sampling and monitoring locations, so that they may be used for representative sampling and monitoring.
- 8.6 Within three months of the date of grant of this licence, the licensee shall submit to the Agency an appropriately scaled drawing(s) showing all the monitoring locations that are stipulated in this licence including any noise sensitive locations to be monitored. The drawing(s) shall include the eight-digit national grid reference of each monitoring point.
- 8.7 The licensee shall install on all emission points such sampling points or equipment, including any data-logging or other electronic communication equipment, as may be required by the Agency. All such equipment shall be consistent with the safe operation of all sampling and monitoring systems.
- 8.8 Within one month of the date of grant of this licence, the following information shall be submitted to the Agency for its agreement: the names, qualifications and a summary of relevant experience of all persons that will carry out all sampling and monitoring as required by this licence and who carry out the interpretation of the results of such sampling and monitoring. Any proposed changes to the above shall be submitted in writing to the Agency for its agreement.
- 8.9 All automatic monitors and samplers shall be functioning at all times (except during maintenance and calibration) when the activity is being carried on, unless alternative sampling or monitoring has been agreed, in writing, by the Agency for a limited period. In the event of

the malfunction of any continuous monitor, the licensee shall contact the Agency as soon as practicable, and alternative sampling and monitoring facilities shall be put in place. Prior written agreement for the use of alternative equipment, other than in emergency situations, shall be obtained from the Agency.

8.10 Nuisance Monitoring

8.10.1 The licensee shall, at a minimum of one week intervals, inspect the facility and its immediate surrounds for nuisances caused by litter, vermin, birds, flies, mud, dust and odours.

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

CONDITION 9 CONTINGENCY ARRANGEMENTS

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

- a) identify the date, time and place of the incident;
- b) carry out an immediate investigation to identify the nature, source and cause of the incident and any emission arising therefrom;
- c) isolate the source of any such emission;
- d) evaluate the environmental pollution, if any, caused by the incident;
- e) identify and execute measures to minimise the emissions/malfunction and the effects thereof; and
- f) provide a proposal to the Agency for its agreement within one month of the incident occurring to:-
 - i) identify and put in place measures to avoid reoccurrence of the incident; and
 - ii) identify and put in place any other appropriate remedial action.

9.2. Within six months of the date of grant of this licence, submit a written Emergency Response Procedure (ERP) to the Agency for its agreement. The ERP shall address any emergency situations which may originate on the facility and shall include provision for minimising the effects of any emergency on the environment. This shall include a risk assessment to determine the requirements at the facility for fire fighting and fire water retention facilities. The Fire Authority shall be consulted by the licensee during this assessment.

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

9.4. Emergencies

9.4.1. In the event of a complete breakdown of equipment or any other occurrence which results in the closure of the transfer station building, any waste arriving at or already collected at the facility shall be transferred directly to appropriate landfill sites or any other appropriate facility until such time as the transfer station building is returned to a fully operational status. Such a breakdown event will be treated as an emergency and rectified as soon as possible.

- 9.4.2. All significant spillages occurring at the facility shall be treated as an emergency and immediately cleaned up and dealt with so as to alleviate their effects.
- 9.4.3. No waste shall be burnt within the boundaries of the facility. A fire at the facility shall be treated as an emergency and immediate action shall be taken to extinguish it and notify the appropriate authorities.
- 9.4.4. In the event that monitoring of local wells indicates that the facility is having a significant adverse effect on the quantity and/or quality of the water supply this shall be treated as an emergency and the licensee shall provide an alternative supply of water to those affected.

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

CONDITION 10 RECORDS

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

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

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

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

10.3 Written Records

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

- a) the types and quantities of waste recovered at the facility each year. These records shall include the relevant EWC Codes and any details required to complete national reports on waste statistics;

- b) all training undertaken by facility staff;
 - c) results from all integrity tests of bunds and other structures and any maintenance or remedial work arising from them;
 - d) details of all nuisance inspections;
 - e) the names and qualifications of all persons who carry out all sampling and monitoring as required by this licence and who carry out the interpretation of the results of such sampling and monitoring; and,
 - f) results from monitoring of process area surface water run-off.
- 10.4 The licensee shall maintain a written record of all complaints relating to the operation of the activity. Each such record shall give details of the following:-
- a) date and time of the complaint;
 - b) the name of the complainant;
 - c) details of the nature of the complaint;
 - d) actions taken on foot of the complaint and the results of such actions; and,
 - e) the response made to each complainant.
- 10.5 A written record shall be kept of each consignment of wastewater/contaminated surface water run-off removed from the facility. The record shall include the following:-
- a) the name of the carrier;
 - b) the date and time of removal of wastewater/contaminated surface water run-off from the facility;
 - c) the volume of wastewater/contaminated surface water run-off, in cubic metres, removed from the facility on each occasion;
 - d) the name and address of the Waste Water Treatment Plant to which the wastewater/contaminated surface water run-off was transported; and
 - e) any incidents or spillages of wastewater/contaminated surface water run-off during its removal or transportation.
- 10.6 A written record shall be kept for each load of waste departing from the Civic Waste Facility. The following shall be recorded:-
- a) the name of the carrier including permit number as appropriate;
 - b) the vehicle registration number;
 - c) the destination of the waste (facility name and waste licence/permit number as appropriate);
 - d) a description of the waste including the associated EWC codes (if recovered or rejected waste, the specific nature of the waste);
 - e) the quantity of waste, recorded in tonnes;
 - f) the name of the person checking the load; and,
 - g) the time and date of departure.
- 10.7 A written record shall be kept at the facility of the programme for the control and eradication of vermin and fly infestations at the facility. These records shall include as a minimum the following:-
- a) the date and time during which spraying of insecticide is carried out;
 - b) contractor details;

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

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

CONDITION 11 REPORTS AND NOTIFICATIONS

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

- a) be sent to the Agency's Headquarters;
- b) comprise one original and three copies unless additional copies are required;
- c) be formatted in accordance with any written instruction or guidance issued by the Agency;
- d) include whatever information as is specified in writing by the Agency;
- e) be identified by a unique code, indicate any modification or amendment, and be correctly dated to reflect any such modification or amendment;
- f) be submitted in accordance to the relevant reporting frequencies specified by this licence, such as in *Schedule E Recording and Reporting to the Agency* of this licence;
- g) be accompanied by a written interpretation setting out their significance in the case of all monitoring data; and
- h) be transferred electronically to the Agency's computer system if required by the Agency.

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

- a) notify the Agency as soon as practicable and in any case not later than 10.00 am the following working day after the occurrence of any incident;
- b) submit a written record of the incident, including all aspects described in Condition 9.1(a-e), to the Agency as soon as practicable and in any case within five working days after the occurrence of any incident;
- c) in the event of any incident which relates to discharges to surface/sewer water, notify the Shannon Regional Fisheries Board and/or Offaly County Council as soon as practicable and in any case not later than 10:00am on the following working day after such an incident; and
- d) Should any further actions be taken as a result of an incident occurring, the licensee shall forward a written report of those actions to the Agency as soon as practicable and no later than ten days after the initiation of those actions.

11.3 Waste Recovery Reports

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

- a) proposals for the contribution of the facility to the achievement of targets for the reduction of biodegradable waste to landfill as specified in the Landfill Directive;
- b) the separation of recyclable materials from the waste;
- c) the recovery of Construction and Demolition Waste;
- d) the recovery of metal waste and white goods; and
- e) the recovery of commercial waste, including cardboard;

11.4 Annual Environmental Report

11.4.1. The licensee shall submit to the Agency for its agreement, within thirteen months from the date of grant of this licence, and one month after the end of each calendar year thereafter, an Annual Environmental Report (AER).

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

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

CONDITION 12 CHARGES AND FINANCIAL PROVISIONS

12.1 Agency Charges

12.1.1 The licensee shall pay to the Agency an annual contribution of € 12,278 or such sum as the Agency from time to time determines, towards the cost of monitoring the activity or otherwise in performing any functions in relation to the activity, as the Agency considers necessary for the performance of its functions under the Waste Management Acts, 1996-2003. The licensee shall in 2005 and subsequent years, not later than January 31 of each year, pay to the Agency this amount updated in accordance with changes in the Public Sector Average Earnings Index from the date of the licence to the renewal date. The updated amount shall be notified to the licensee by the Agency. For 2004, the licensee shall pay a pro rata amount from the date of this licence to 31st December. This amount shall be paid to the Agency within one month of the date of grant of this licence.

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

12.2 Financial Provision for Closure, Restoration and Aftercare

- 12.2.1 The licensee shall arrange for an independent third party risk assessment of the facility to be carried out. The risk assessment shall have particular regard to any accidents, emergencies, or other incidents, which might occur at the facility and their effect on the environment. The risk assessment shall include a comprehensive and fully costed Environmental Liabilities Risk Assessment for the facility together with a proposal for Financial Provision arising from the carrying on of the activities to which this licence relates including the restoration of the facility. The risk assessment shall be submitted to the Agency for its agreement within six months of the date of grant of this licence
- 12.2.2 The licensee shall within six months of the date of grant of this licence establish and maintain a fund, or provide a written guarantee for the costs determined under condition 12.2.1. The type of fund established and means of its release/recovery shall be agreed by the Agency prior to its establishment.
- 12.2.3 The licensee shall within two weeks of purchase, renewal or revision of the financial provision required under Condition 12.2.2, forward to the Agency written proof of such indemnity.

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

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

Where:

Cost = Revised restoration and aftercare cost.

ECOST = Existing restoration and aftercare cost.

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

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

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

SCHEDULE A : Waste Acceptance

A.1 Waste Acceptance

Table A.1 Waste Categories and Quantities

WASTE TYPE	MAXIMUM (TONNES PER ANNUM) ^{Note 1}
Municipal solid waste	6,500
Commercial & Industrial waste ^{Note 2}	14,100
C&D Waste	3,300
Household Hazardous Waste (as listed in A.2 below)	100
TOTAL	24,000

Note 1: The quantities of the individual waste types may be adjusted, only with the agreement of the Agency, subject to the total waste quantity remaining the same.

Note 2: The Commercial & Industrial waste shall only consist of dry recyclables and not contain any putrescible waste.

A.2 Household Hazardous Waste to be accepted at the site^{Note 1}

WASTE TYPE	EWC Code
Batteries	20 01 33*
Paint	20 01 27*
Waste Oil	13 02 04* - 13 02 08*
White goods	16 02 11* / 20 01 23*
Fluorescent Tubes	20 01 23*
Electrical goods	20 01 36*

Note 1: Unless otherwise agreed by the Agency.

SCHEDULE B : Specified Engineering Works

Specified Engineering Works
Installation of dust/odour system.
Installation of waste handling, processing, recycling/recovery infrastructure and installation of increased waste processing capacity.
Installation of Civic Waste Facility.
Installation of wastewater and surface water run-off drainage systems.
Installation of silt traps and oil interceptors.
Installation of leachate treatment system.
Installation of groundwater monitoring wells.
Installation of Waste Quarantine Area.
Installation of bunds.
Any other works notified in writing by the Agency.

SCHEDULE C : Emission Limits

C.1 Noise Emissions: (Measured at any noise sensitive locations).

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

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

Level (mg/m ² /day) ^{Note 1}
350

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

C.3 Surface Water Discharge Limits: Measured at any discharge points into the piped drainage ditch. Locations to be documented in a plan to be submitted to the Agency within three months of date of grant of the licence.

Parameter	Emission Limit Value
Mineral oils	5mg/l
Ammonical Nitrogen	0.02 mg/l N
Chloride	250 mg/l Cl
Biological Oxygen Demand	≤ 5 mg/l O ₂
Suspended Solids	≤ 25 mg/l
Conductivity	1000 μS/cm
PH	6.0 – 9.0

SCHEDULE D: Monitoring

Monitoring to be carried out as specified below.

D.1 Monitoring Locations

Monitoring locations shall be those as set out in Table D.1.1 and Drawing J.1.1 *Location of all monitoring points at the Rentabin site* of Art.14 reply submitted 27/01/03.

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

NOISE	DUST	SURFACE WATER	GROUNDWATER	WASTEWATER
STATIONS	STATIONS	STATIONS	STATIONS	STATIONS
N1	D1	AES S01	Three monitoring wells ^{Note 2}	One wastewater monitoring location ^{Note 3}
N2	D2	AES S03		
N3	D3	Two surface water monitoring locations ^{Note 1}		
N4	D4			
N5				
Any noise sensitive locations				

Note 1: The monitoring locations to be agreed by the Agency shall be located at the discharge points into the piped drainage ditch.

Note 2: The location of the groundwater monitoring wells to be agreed by the Agency prior to installation in accordance with Condition 3.15.

Note 3: The location of the wastewater monitoring point to be agreed by the Agency prior to installation.

D.2 Dust

Table D.2.1 Dust Monitoring Frequency and Technique

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

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

Note 2: Twice during the period May to September.

D.3 Noise

Table D.3.1 Noise Monitoring Frequency and Technique

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

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

D.4 Surface Water Emissions

Table D.4.1 Surface water Monitoring Frequency and Techniques

Parameter	Monitoring Frequency	Analysis Method/Technique
PH	Quarterly	Electrometry
Biological Oxygen Demand	Quarterly	Standard Methods ^{Note 1}
Chemical Oxygen Demand	Quarterly	Standard Methods ^{Note 1}
Ammoniacal Nitrogen	Quarterly	Standard Methods ^{Note 1}
Chloride	Quarterly	Standard Methods ^{Note 1}
Suspended Solids	Quarterly	Standard Methods ^{Note 1}
Conductivity	Quarterly	Standard Methods ^{Note 1}
Mineral Oils	Quarterly	Standard Methods ^{Note 1}
Fats, Oils, Grease	Quarterly	Standard Methods ^{Note 1}

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

Note 2: The contaminated surface water run-off held in a dedicated oil interceptor shall be monitored prior to discharge to the piped drainage ditch for the following parameters: pH, Chemical Oxygen Demand, Ammoniacal Nitrogen, Chloride and Conductivity. The licensee shall maintain a written record of these monitoring results.

D.5 Wastewater Emissions

Table D.5.1 Wastewater tankered off-site - Monitoring Frequency and Techniques

Parameter	Monitoring Frequency	Analysis Method/Technique
pH	Bi-annually	Electrometry
Biological Oxygen Demand	Bi-annually	Standard Methods ^{Note 1}
Chemical Oxygen Demand	Bi-annually	Standard Methods ^{Note 1}
Suspended Solids	Bi-annually	Standard Methods ^{Note 1}
Ammoniacal nitrogen	Bi-annually	Standard Methods ^{Note 1}
Mineral Oil	Bi-annually	Standard Methods ^{Note 1}
Fats, Oils, Grease	Bi-annually	Standard Methods ^{Note 1}

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

D.6 Groundwater

Table D 6.1 Groundwater - Parameters /Frequency

PARAMETER ^{Note 1}	MONITORING FREQUENCY
Visual Inspection/Odour	Monthly
Ammoniacal Nitrogen	Quarterly
Electrical Conductivity	Quarterly
pH	Quarterly
Diesel Range Organic	Quarterly
Groundwater Level	Annually
Chloride	Annually
Temperature	Annually
Metals / non metals ^{Note 2}	Annually
Cyanide (Total)	Annually
Fluoride	Annually
List I/II organic substances ^{Note 3}	Annually
Arsenic	Annually
Mercury	Annually
Sulphate	Annually
Total Alkalinity	Annually
Total Organic Carbon	Annually
Faecal Coliforms	Annually
Total Coliforms	Annually

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

Note 2: Metals and elements to be analysed by AA/ICP should include as a minimum: boron, cadmium, calcium, chromium (total), copper, iron, lead, magnesium, manganese, nickel, potassium, sodium and zinc.

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

SCHEDULE E: Recording and Reporting to the Agency

Report	Reporting Frequency ^{Note1}	Report Submission Date
Environmental Management System Updates	Annually	One month after the end of the year reported on.
Annual Environment Report (AER)	Annually	Thirteen months from the date of grant of licence and one month after the end of each calendar year thereafter.
Record of incidents	As they occur	Within five days of the incident.
Bund, tank and container integrity assessment	Every three years	Six months from the date of grant of licence and one month after end of the three year period being reported on.
Specified Engineering Works reports	As they arise	Prior to the works commencing.
Monitoring of Surface Water Quality	Quarterly	Ten days after end of the quarter being reported on.
Monitoring of Groundwater Quality	Quarterly	Ten days after end of the quarter being reported on.
Monitoring of Wastewater	Quarterly	Ten days after end of the quarter being reported on.
Dust Monitoring	Three times a year	Ten days after the period being reported on.
Noise Monitoring	Annually	One month after end of the year being reported on.
Any other monitoring	As they occur	Within ten days of obtaining results.

Note 1: Unless altered at the request of the Agency

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SCHEDULE F: Content of the Annual Environmental Report

Annual Environmental Report Content

Reporting Period.

Waste activities carried out at the facility.

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

Summary report on emissions.

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

Resource and energy consumption summary.

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

Schedule of Environmental Objectives and Targets for the forthcoming year.

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

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

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

Reported Incidents and Complaints summaries.

Review of Nuisance Controls.

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

Report on training of staff.

Volume of wastewater produced and volume of wastewater transported off-site.

Any other items specified by the Agency.

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

Sealed by the seal of the Agency on this the 1st March 2004

PRESENT when the seal of the Agency
was affixed hereto:

Larry Stapleton, Director/Authorised Person

OFFALY COUNTY COUNCIL

LOCAL GOVERNMENT (PLANNING AND DEVELOPMENT) ACTS, 1963-1999
PLANNING AND DEVELOPMENT ACT 2000

NOTIFICATION OF GRANT

Planning Section
Courthouse
TULLAMORE

TO: ALINA PLANT HIRE/ RENTABIN
C/O KENNY & ASSOCIATES
3 WILLIAM STREET
TULLAMORE
CO OFFALY

Planning Register Number: PL2/01/1282
Application Receipt Date: 17/12/2001
Further Information Received Date:

Notice is hereby given that in pursuance of the powers conferred upon them by the above-mentioned Acts, Offaly County Council has by order dated 02/07/2002 GRANTED permission to the above named, for the development of land, in accordance with the documents lodged, namely:-

RETENTION OF WEIGHBRIDGE, WEIGHBRIDGE CABIN & MINOR ALTERATIONS TO EXISTING BUILDINGS AT CAPPANCUR, TULLAMORE.

Subject to the 7 conditions set out in the Schedule attached.

Signed on behalf of said Council

Date: 7/8/2002

Shelley
SENIOR EXECUTIVE OFFICER

OUTLINE PERMISSION is subject to the subsequent approval of the Planning Authority. Until such approval has been obtained to the detailed plans, the proposed development is not authorised.

NOTE: The permission herein granted shall, on the expiration of the period of **FIVE YEARS**, beginning on the date of the granting of permission cease to have effect as regards:-

1. In case of the development to which the permission relates is not commenced during the period, the entire development
and
2. In case such development is so commenced, so much thereof as is not completed within that period.

FILE REFERENCE: PL2/01/1282

APPLICATION FOR PERMISSION FOR RETENTION OF WEIGHBRIDGE,
WEIGHBRIDGE CABIN & MINOR ALTERATIONS TO EXISTING
BUILDINGS – ALINA PLANT HIRE/RENTABIN.

SCHEDULE OF CONDITIONS

- 1 The development shall be in accordance with plans and particulars submitted except where conditions hereunder specify otherwise
Reason: In the interest of proper planning and development
- 2 All relevant conditions attached to previous Grant of Permission for the dwellinghouse, reference PL2/94/503 shall be complied with.
Reason: In the interest of proper planning and development.
- 3 Screen planting, comprising tree and shrub species indigenous to hedgerow systems in the area shall be established during the first planting season following the commencement of development along the site's northern boundary. Details shall be agreed with the Planning Authority.
Reason: In the interest of visual amenity and in order to protect the amenities of properties in the area.
- 4 A new boundary fence shall be erected on the northern boundary along a line which shall be agreed on site with the County Council's Roads Engineer prior to commencement of development
Reason: To ensure that the new road boundary wall does not obstruct sight distance in the vicinity of the new entrance onto the public road.
- 5 The area between the near edge of the public road carriageway and the line of the new fencing shall be excavated, filled, drained, graded and surfaced with durable dust free materials to the satisfaction of the Planning Authority.
Reason: To provide car parking across the frontage of the site and to allow for possible future road improvements.
- 6 The vehicular access to the site shall be restricted to one point and shall be constructed in accordance with plans submitted on grant of planning permission PL2/94/503 refers
Reason: In the interest of proper planning and development.

Continued./

Continued./

FILE REFERENCE: PL2/01/1282

- 7 The developer shall pipe the existing roadside drain with a concrete drainage pipe of adequate size over the full frontage of the site. Roadside drainage shall not be impaired and provision shall be made to accommodate any surface water which may flow off the public road by providing a roadside gully which shall be piped into the new drain system. Details shall be to the satisfaction of the County Council.
Reason: To prevent flooding of public road.

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OFFALY COUNTY COUNCIL

PLANNING AND DEVELOPMENT ACTS 2000 - 2002
PLANNING AND DEVELOPMENT REGULATIONS 2001

NOTIFICATION OF GRANT

Planning Section
Aras an Chontae
Charleville Road
TULLAMORE

TO: ALINA PLANT HIRE LTD
C/O KENNY & ASSOCIATES
3 WILLIAM STREET
TULLAMORE

Planning Register Number: 02/1200 PL2/02/1200
Application Receipt Date: 20/11/2002
Further Information Received Date: 25/03/2003

Notice is hereby given that in pursuance of the powers conferred upon them by the above-mentioned Acts, Offaly County Council has by order dated 16/04/2003 GRANTED PERMISSION to the above named, for the development of land, in accordance with the documents lodged, namely:-

ALTERATION AND EXTENSION (1485 SQ M) TO EXISTING BUILDING, NEW AMENITIES BUILDING (53 SQ M) NEW SEPTIC TANK AND ASSOCIATED SITE DEVELOPMENT WORKS AT BOGTOWN, CAPPINCUR.

Subject to the 9 conditions set out in the Schedule attached.

Signed on behalf of said Council

Date: 10/6/2003


SENIOR EXECUTIVE OFFICER

OUTLINE PERMISSION is subject to the permission consequent on the grant of outline permission of the Planning Authority. Until such permission has been obtained to the detailed plans, the proposed development is not authorised.

NOTE: The permission herein granted shall, on the expiration of the period of FIVE YEARS, beginning on the date of the granting of permission cease to have effect as regards:-

- 1 In case of the development to which the permission relates is not commenced during the period the entire development
- and
- 2 In case such development is so commenced, so much thereof as is not completed within that period.

Application for permission for alteration and extension (1485 sq.m) to existing building, new amenities building (53 sq.m), new septic tank and associated site development works at Bogtown, Cappincur – Alina Plant Hire Ltd.

FIRST SCHEDULE

Having regard to the provisions of the County Development Plan for the area it is considered that, subject to compliance with the conditions set out in the Second Schedule, the proposed development would not seriously injure the amenities of the area, would not be prejudicial to public health, would be acceptable in terms of traffic safety and would be in accordance with the proper planning and sustainable development of the area.

SECOND SCHEDULE

Schedule of Conditions

- 1 The development shall be in accordance with plans and particulars submitted except where conditions hereunder specify otherwise
Reason: In the interest of proper planning and development
- 2 All relevant conditions attached to previous Grant of Permission reference PL2/94/503 and PL2/01/1282 shall be complied with.
Reason: In the interest of proper planning and development.
- 3 Screen planting, comprising tree and shrub species indigenous to hedgerow systems in the area shall be established during the first planting season following the commencement of development along the site's northern boundary. Details shall be agreed with the Planning Authority.
Reason: In the interest of visual amenity and in order to protect the amenities of properties in the area.
- 4 The vehicular access to the site shall be restricted to one point. In this regard it will be necessary to re-locate the entrance further south along the existing minor road and close the existing entrance. These details and measures to stop ingress of stone onto the public road shall be agreed with the Area Engineer prior to commencement of any work on site.
Reason: In the interest of proper planning and development.
- 5 All external wall finishes and colour schemes shall harmonise with the existing structure in colour and design.
Reason: In the interest of visual amenity.

Continued...../

Continued...../

File Reference: PL2/02/1200

- 6 A contribution of €13,173 shall be paid to the Planning Authority before development commences.
Reason: It is considered reasonable that the developer should contribute towards the expenditure that was and/or that is proposed to be incurred by the Planning Authority in respect of works facilitating the proposed development.
- 7 Surface water drainage shall be in accordance with the requirements of the Planning Authority. Details shall be agreed with the Area Engineer prior to commencement of work on site.
Reason: In the interest of proper planning and development
- 8 The area between the near edge of the public road carriageway and the line of the existing front boundary fencing shall be excavated and surfaced with topsoil to be sown in grass. The final level of the surface shall be at or marginally below the adjacent road level. The area is to be sloped or drained away from the road so as to drain into the site.
Reason: In the interest of proper planning and sustainable development of the area.
- 9 The wastewater treatment plant shall be installed and operated strictly to the satisfaction of Offaly County Council's Environment and Sanitary Services Section and shall be subject to a discharge licence
Reason: To prevent pollution and to protect public health

File Reference: **PL2/03/222**

Application for permission for civic amenity area with public recycling facilities adjoining existing premises and retention of administration unit and toilet at Cappincur, Tullamore – Alina Plant Hire Ltd.

FIRST SCHEDULE

Having regard to the provisions of the County Development Plan for the area it is considered that, subject to compliance with the conditions set out in the Second Schedule, the proposed development would not seriously injure the amenities of the area, would not be prejudicial to public health, would be acceptable in terms of traffic safety and would be in accordance with the proper planning and sustainable development of the area.

SECOND SCHEDULE

Schedule of Conditions

- 1 The development shall be in accordance with plans and particulars submitted on 07-03-2003 and 14-05-2003 except where conditions hereunder specify otherwise
Reason: In the interest of proper planning and sustainable development
- 2 All relevant conditions attached to previous Grant of Permission reference PL2/94/503, PL2/01/1282 and PL2/02/1200 shall be complied with.
Reason: In the interest of proper planning and sustainable development.
- 3 Screen planting, comprising tree and shrub species indigenous to hedgerow systems in the area shall be established during the first planting season following the commencement of development along the site's northern boundary. Details shall be agreed with the Planning Authority.
Reason: In the interest of visual amenity and in order to protect the amenities of properties in the area.
- 4 The existing vehicular access to the site shall be closed and a new entrance shall be opened further south along the existing minor road. These details and measures to stop ingress of stone onto the public road shall be agreed with the area engineer prior to commencement of any work on site.
Reason: in the interest of proper planning and sustainable development.
- 5 All external wall finishes and colour schemes shall harmonise with the existing structure in colour and design.
Reason: In the interest of visual amenity.

Continued...../

Continued...../

File Reference: PL2/03/222

6 Surface water drainage shall be in accordance with the requirements of the Planning Authority. Details shall be agreed with the area engineer prior to commencement of work on site.

Reason: In the interest of proper planning and sustainable development

7 The area between the near edge of the public road carriageway and the line of the existing front boundary fencing shall be excavated, and surfaced with topsoil to be sown in grass. The final level of the surface at or marginally below adjacent road level and the area is to be sloped or drained away from the road so as to drain into the site.

Reason: in the interests of proper planning and sustainable development.

8 No sign, symbols, nameplate or advertisement shall be erected on the site or structure without the prior written agreement of the Planning Authority.

Reason: In the interest of visual amenity.

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Attachment B.6.1

Newspaper Advertisement & Site Notices for Waste Licence Application and Planning Application

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The proposed realignment is approximately 2.2km in length with a 7.3m carriageway, 2 No. 2.0m hard shoulders and 2 No. 3.0m grass verges, passing through the townlands of Ardcroney, Ballyluskey, Ballinderry and Ballyrickard North.

Plans and particulars of the proposed works will be available for inspection during normal office hours (9.30am - 4.30pm) at The Roads Office, North Tipperary County Council, Civic Offices, Limerick Road, Nenagh, and the County Council Area Office, Borrisokane (office hours 9am - 1pm and 2pm - 5pm), from Monday, 1st September to Monday, 29th September 2008.

Submissions or observations with respect to the proposed development, dealing with the proper planning and development of the area in which the proposed road would be situated, may be made in writing to The Director of Services Roads, Transportation & Water Services, North Tipperary County Council, Civic Offices, Limerick Road, Nenagh, up to and including 13th, October 2008.

Marcus O'Connor,
DIRECTOR OF ROADS, TRANSPORTATION
& WATER SERVICES.

NOTICE TO BUILDING CONTRACTORS

Tenders are invited from competent Building Contractors for the following Schemes.

1. Extension to House at 1A Ashbury View, Ashbury, Roscrea.
2. Refurbishment of houses at
(a) 2 Church View, Ballybeg, Littleton.
(b) 6 Derrynaflan Avenue, Ballybeg, Littleton.
3. Part Demolition of and Refurbishment works to existing house at Benamore, Roscrea and associated site works.

Tender documents comprising Plans, Specifications and Form of Tender may be obtained from the undersigned on payment of a fee of €50 per scheme. The fee will be refunded after receipt of a bona fide tender not subsequently withdrawn or the return of the documents.

The closing date for receipt of Tenders is 12.00 noon on Friday, 26th September, 2008.

Full Tender information available on the Public Procurement Opportunities website at www.etenders.gov.ie and North Tipperary County Council website at www.tipperarynorth.ie.

Paddy Heffernan
Director of Housing & Corporate Services.
Civic Offices, Limerick Road, Nenagh, Co. Tipperary.

Website: www.tipperarynorth.ie
"Working with the Community"

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

Notice is hereby given that Advanced Environmental Solutions (Ireland) Ltd., having its principal offices in Unit 1 Monread Commercial Park, Monread Road, Naas, Co. Kildare, intends to apply for a review of its waste licence W104-01 for its facility at Cappancur, Tullamore, Co. Offaly (E235675 N225264). An environmental impact statement (EIS) will accompany the application.

The nature of the proposed development entails the revision of the site boundary to facilitate the N52 Tullamore bypass construction, the relocation and expansion of the existing administration building, the relocation and upgrade of the existing wastewater treatment plant and effluent management system, the revision of internal car parking arrangements, and a revision to facility opening hours. The type of plant to be used will be mechanical waste separation equipment, baling equipment and mobile excavators with grab attachments.

It is proposed that the annual quantity of waste accepted will be increased from 24,000 to 50,000 tonnes. Only non-hazardous municipal waste, construction & demolition waste and small quantities of household hazardous waste will be received.

The classes of activity to which this application relates as set out in the Third and Fourth Schedules to the Waste Management Acts 1996 to 2008 are as follows:

Third Schedule - Waste Disposal Activities

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

Fourth Schedule - Waste Recovery Activities

- Class 2 Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes)
- Class 3 Recycling or reclamation of metals and metal compounds
- Class 4 Recycling or reclamation of other inorganic materials
- Class 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 will be Class 2 of the Fourth Schedule.

A copy of the application for the review of the waste licence, the EIS and any further information relating to it as may be furnished to the Agency will, as soon as is practicable after its receipt, be available for inspection or purchase at the Environmental Protection Agency's headquarters at PO Box 3000, Johnstown Castle Estate, Co. Wexford during normal working hours.

AN CHUIRT DUICHE THE DISTRICT COURT District Court Area of: TULLAMORE

District No. 9

PUBLIC DANCE HALLS ACT, 1935, SECTION 2 NOTICE OF APPLICATION FOR A PUBLIC DANCING LICENCE

Applicant:
NIGEL TOBELLA

TAKE NOTICE that NIGEL TOBELLA of Nigels Place, Main Street, Clara, in the County of Offaly intends to apply to the Court at Tullamore on the 31st day of October 2008 at 10.30am for the Grant of a licence to use a particular place to wit: "Nigels Place", situate at Main Street, Clara, in the County of Offaly in the Court area and District aforesaid for public dancing.

DATED this 20th day
of August 2008

SIGNED: J.D Scanlon & Co.
J.D SCANLON & CO., Solicitor
for the Applicant, The Bridge
Centre, Tullamore, Co. Offaly.

TO:
The District Court Clerk,
Courthouse,
Tullamore, Co. Offaly

The Superintendent,
An Garda Siochana,
Patrick Street,
Tullamore, Co. Offaly.

The Chief Fire Officer,
Offaly County Council,
Charleville Road,
Tullamore, Co. Offaly

The Member in charge,
An Garda Siochana,
Clara, Co. offaly.

The Secretary,
Offaly County Council,
Charleville Road,
Tullamore, Co. Offaly.

INTOXICATING LIQUOR ACT, 1960 - SECTION 29

District Court Area of:
TULLAMORE

District No. 9

Applicant:
DERMOT HEFFERNAN

TAKE NOTICE that Dermot Heffernan of 61, Droim Liath, Collins Lane, Tullamore, County Offaly intends to apply to the Court at Tullamore sitting at Courthouse, Tullamore, County Offaly on the 24th day of September 2008 at 10.30am for the transfer to the Applicant of the 7 Day (7 Day) On licence attached to the premises known as "The Offaly Inn" situate at Harbour Street/Dean Street, Tullamore, County Offaly in the court area and district aforesaid and which Licence was heretofore in the name of Brendan Egan of Clashawaun, Clara, County Offaly.

DATED this 7th day
of August 2008

SIGNED: Farrell & Partners
Solicitor for the Applicant,
O'Connor Square,
Tullamore, Co. Offaly.

TO:
The District Court Clerk,
Courthouse,
Tullamore, Co. Offaly

The Superintendent,
An Garda Siochana,
Patrick Street,
Tullamore, Co. Offaly.

LICENSING (IRELAND) ACT 1833 SECTION 6

NOTICE OF APPLICATION FOR CERTIFICATE OF TRANSFER OF ON-LICENCE

DISTRICT COURT AREA OF TULLAMORE

District No. 9

Bridge House Hotel Ltd
Applicant

TAKE NOTICE that Bridge House Hotel Limited having its registered office at Bridge House, Tullamore, County Offaly, intend to apply to the District Court at Tullamore, County Offaly on the 24th September 2008 at 10.30am o'clock for the Confirmation of the Transfer of the 7 days publican licence lately held by Paul McDonagh in respect of the premises known as "The Blackthorn" (formerly known as "the Barge Inn") Harbour Street, Tullamore, County Offaly in the Court area and District aforesaid.

Dated this 14th day of
August 2008

Signed: Hoey & Denning,
Solicitors, Tullamore, Co. Offaly

TO: District Court Clerk,
Courthouse, Tullamore, Co. Offaly.

TO: Superintendent, Garda Siochana, Garda Station, Tullamore, Co. Offaly

TO: Chief Fire Officer, Offaly County Council, Charleville Road, Tullamore, Co. Offaly.

TO: The Secretary,
Tullamore Urban District Council, Town Hall, Cormac Street, County Offaly

LICENSING (IRELAND) ACT 1833 SECTION 6

NOTICE OF APPLICATION FOR CERTIFICATE OF TRANSFER OF ON-LICENCE

DISTRICT COURT AREA OF TULLAMORE

District No. 9

Agnes Darcy Applicant

TAKE NOTICE that Agnes Darcy of Ballinagar, Tullamore County Offaly intends to apply to the District Court at The Courthouse, Tullamore, County Offaly on the 24th September 2008 at 10.30am o'clock for the Confirmation of the Transfer of the 7 days publican licence lately held by Paul McDonagh in respect of the premises known as "The Blackthorn" (formerly known as "the Barge Inn") Harbour Street, Tullamore, County Offaly in the Court area and District aforesaid.

Dated this 18th Day of
August 2008

Signed: Hoey & Denning,
Solicitors, Tullamore, Co. Offaly

TO: District Court Clerk,
Courthouse, Tullamore, Co. Offaly.

TO: Superintendent, Garda Siochana, Garda Station, Tullamore, Co. Offaly

TO: Chief Fire Officer, Fire Station Tullamore, County Offaly.

TO: The Secretary,
Tullamore Urban District Council, Town Hall, Cormac Street, County Offaly

Planning Department,
Offaly County Council,
Aras an Chontae,
Charleville Road,
Tullamore,
Co. Offaly

28 April 2008

RE: **AES (Ireland) Limited – Intensification of waste acceptance activities and change to site boundary**

Dear Sir/Madam,

I am writing to notify you of the intention of Advanced Environmental Solutions (AES) (Ireland) Ltd. to prepare a waste licence review application in conjunction with a planning application in relation to intensification of waste transfer activities at their Tullamore facility. This action is resulting from the compulsory acquisition of a portion of the facility lands for the N52 Tullamore bypass.

AES Ireland Ltd. has retained Fehily Timoney & Company (FTC) to prepare the review of the existing facility waste licence and accompanying environmental impact statement. According to standard procedures for the environmental impact assessment process, FTC seeks any observations or concerns you may have regarding the proposed development.

The AES Tullamore facility is located at Cappincur Industrial Estate, Tullamore on the Daingean Road. The facility is currently licenced to accept 24,000 tonnes per year of waste. AES Ltd. propose to increase this capacity to approximately 50,000 tonnes per year. This increase in waste acceptance requires the submission of a planning application and accompanying environmental impact statement.

The N52 Tullamore bypass, construction of which is imminent, will run adjacent to the AES facility on the western side of the site boundary. As part of the new road design, a new entrance will be constructed for the facility. These changes to the existing site boundary and subsequent movement of administration buildings with the site boundary also require the submission of a planning application.

Cont'd....

CORE HOUSE, POULADUFF ROAD, CORK, IRELAND

T: +353 21 4964133 F: + 353 21 4964464 E: info@ftco.ie W: www.fehilytimoney.ie

Directors: Eamon Timoney Declan O'Sullivan Gerry O'Sullivan Walter Quirke Oliver Tierney
Associates: Declan Egan Clodagh O'Donovan Adrian Duffy Bernadette Guinan
Paul Kelly Stephen Byrne Sarah Toal Tony Ambrose Company Secretary: Declan O'Sullivan

Registered in Ireland, Fehily Timoney & Company Ltd. Number 180497
Registered Office: Core House, Pouladuff Road, Cork. VAT Registration Number: IE6580497D

The environmental impact statement to accompany the planning application will address the various aspects of the environment on which *the intensification of waste acceptance and the change to the site boundary* could have an impact. These impacts will include traffic, ecology, noise, landscape, cultural heritage, material assets, water, climate, etc.

This letter is being sent as part of the environmental impact assessment process. While your reply is not obligatory, it would be of benefit to us if you could send any comments relevant to your area of operation, for consideration in the environmental impact assessment.

We would be grateful if you could send your comments to the undersigned by Friday, 23 May 2008.

Yours sincerely

Mr. Derek Milton
for and on behalf of **Fehily Timoney & Company**

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CORE HOUSE, POULADUFF ROAD, CORK, IRELAND

T: +353 21 4964133 F: + 353 21 4964464 E: info@ftco.ie W: www.fehilytimoney.ie

Directors: Eamon Timoney Declan O'Sullivan Gerry O'Sullivan Walter Quirke Oliver Tierney
Associates: Declan Egan Clodagh O'Donovan Adrian Duffy Bernadette Guinan
Paul Kelly Stephen Byrne Sarah Toal Tony Ambrose Company Secretary: Declan O'Sullivan

Registered in Ireland, Fehily Timoney & Company Ltd. Number 180497
Registered Office: Core House, Pouladuff Road, Cork. VAT Registration Number: IE6580497D

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

Notice is hereby given that Advanced Environmental Solutions (Ireland) Ltd., having its principal offices in Unit 1 Monread Commercial Park, Monread Road, Naas, Co. Kildare, intends to apply for a review of their waste licence W104-01 for the facility at Cappancur, Tullamore, Co. Offaly (E235675 N225264). An environmental impact statement (EIS) will accompany the application.

The nature of the proposed development entails the revision of the site boundary to facilitate the N52 Tullamore bypass construction, the relocation and expansion of the existing administration building, the relocation and upgrade of the existing wastewater treatment plant and effluent management system, the revision of internal car parking arrangements and a revision to facility opening hours. The type of plant to be used will be mechanical waste separation equipment, baling equipment and mobile excavators with grab attachments.

It is proposed that the annual quantity of waste accepted will be increased from 24,000 to 50,000 tonnes. Only non-hazardous municipal waste, construction & demolition waste and small quantities of household hazardous waste will be received.

The classes of activity to which the application relates as set out in the Third Schedule to the Waste Management Acts 1996 to 2005 are as follows:

Third Schedule – Waste Disposal Activities

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

Fourth Schedule – Waste Recovery Activities

- Class 2 Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes)
- Class 3 Recycling or reclamation of metals and metal compounds
- Class 4 Recycling or reclamation of other inorganic materials – this allows for the recovery of glass and construction and demolition waste
- 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 will be Class 2 of the Fourth Schedule.

A copy of the waste licence application, the EIS and any further information relating to it as may be furnished to the Agency will, as soon as is practicable after its receipt, be available for inspection or purchase at the Environmental Protection Agency's headquarters at PO Box 3000, Johnstown Castle Estate, Co. Wexford during normal working hours.

Signed: _____Mr. Paul Hennessy (General Manager, AES Ltd Tullamore)____

DATE OF ERECTION OF SITE NOTICE; _____03.09.08_____

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Offaly County Council

SITE NOTICE

Notice is hereby given that Advanced Environmental Solutions (Ireland) Ltd., having its principal offices in Unit 1 Monread Commercial Park, Monread Road, Naas, Co. Kildare intends to apply for planning permission for changes to its premises at Bogtown, Cappancur, Tullamore, Co. Offaly.

The proposed development will consist of the:

- (h) revision of site boundary to facilitate the N52 Tullamore bypass construction
- (i) relocation and expansion of existing administration building
- (j) relocation and upgrading of existing wastewater treatment plant and effluent management system
- (k) revision of internal car parking arrangements
- (l) intensification of waste acceptance activities from 24,000 to 50,000 tonnes per annum of non-hazardous municipal solid waste, construction & demolition waste and small quantities of household hazardous waste
- (m) revision to facility opening hours

An environmental impact statement (EIS) has been prepared for this proposed development. This application relates to development which requires a review of an existing waste licence (W104-01).

The planning application and the EIS may be inspected or purchased at a fee not exceeding the reasonable cost of making a copy at the offices of the Planning Section, Offaly County Council, Aras an Chontae, Charleville Road, Tullamore, Co. Offaly between 09:30 and 16:00. A submission or observation in relation to the application may be made in writing to the planning authority on payment of the prescribed fee (€20) within the period of 5 weeks beginning on the date of receipt by the authority of the application.

Signed; Mr. Paul Hennessy (General Manager, AES Ltd., Tullamore)___

Date of erection of site notice; 03.09.08

Attachment B.7 Type of Waste Activity

In accordance with the Third and Fourth Schedules of the Waste Management Acts, 1996 to 2003, it is proposed to carry out the following classes of activity at the facility:

Waste Disposal Activities, in accordance with the Third Schedule of the Waste Management Acts 1996 to 2003

Class 11	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule. This activity is limited to the mixing of waste prior to bailing/bulking
Class 12	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule. This activity is limited to the bailing/bulking of waste prior to the transfer for disposal off site
Class 13	Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced. This activity is limited to the storage of waste prior to the bailing/bulking and transfer for disposal off-site

Waste Recovery Activities, in accordance with the Fourth Schedule of the Waste Management Acts 1996 to 2003

Class 2	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes): This activity is limited to segregation and baling of plastics, cardboard and paper as well as collection of newsprint, textiles, timber, waste oils, wood, paints prior to recovery off-site
Class 3	Recycling or reclamation of metals and metal compounds: This activity is limited to the segregation of aluminium cans, tin cans, scrap metal, batteries and white goods prior to recovery off-site
Class 4	Recycling or reclamation of other inorganic materials: This activity is limited to the segregation of construction and demolition waste, DIY waste, electronics, glass and tyres prior to recovery off-site

<p>Class 12</p>	<p>Exchange of waste for submission to any activity referred to in a preceding paragraph of this Schedule:</p> <p>This class of activity allows for waste containing recyclables to be processed at the facility</p>
<p>Class 13</p>	<p>Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced:</p> <p>This activity allows for the storage of waste accepted at the facility prior to recovery off-site</p>

Class 2 of the Fourth Schedule is identified as the Principal Activity onsite as the majority of the material received at the facility is subjected to segregation and baling prior to recovery off-site.

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ATTACHMENT C – MANAGEMENT OF THE INSTALLATION

Attachment C.1 Technical Competence and Site Management

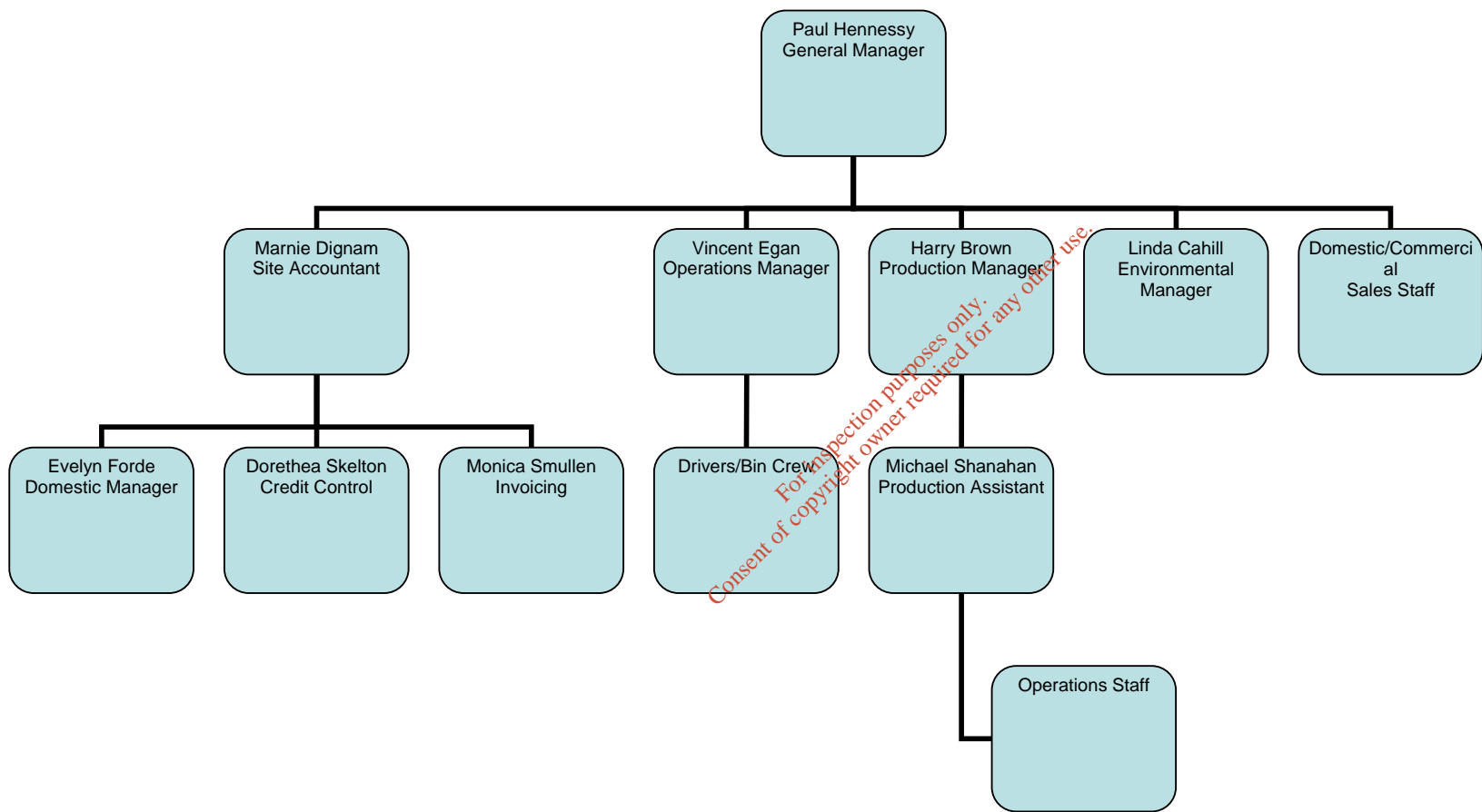
A staff structure for the existing waste facility is set out in Figure C.1.

A number of additional staff may be employed if the decision is made to operate on a two-shift basis. These staff will be employed predominantly in the waste processing building and will be trained to the required standard for the relevant position.

Staff duties are outlined as follows;

- *General Manager* - Responsible for the overall management of the facility, including operations and maintenance of the facility and personnel management
- *Operations Manager* - Responsible for waste acceptance and waste processing at the facility, supervision of staff and logistics of waste collection
- *Production Manager* – Responsible for processing of waste material post acceptance
- *Environmental Manager* – Responsible for all aspects of the waste licence compliance
- *Sales Staff* – Responsible for dealing with domestic and commercial customers
- *Accounting Staff* – Responsible for all aspects of financial control of facility
- *Operations Staff* – includes weighbridge staff, plant operatives and picking line operatives – duties as outlined by Operations and Production Manager

Figure C.1 Facility Management Structure



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Attachment C.2 Environmental Management System

The most recent EMS for the Cappancur waste management facility (W104-01) is attached in Attachment C.2.1.

Attachment C.3 Hours of Operation

- a) Proposed hours of operation; 06.00 to 00.00, Monday - Saturday

These hours are proposed to allow for the operation of the site in two shifts, if necessary. The hours proposed here allow for start up of operations onsite, preparation of equipment and waste material for processing and shut down of operations.

- b) Proposed hours of waste acceptance/handling;

07.00 to 23.00, Monday – Saturday

The hours proposed here indicate a timeframe to allow for the operation of two shifts i.e. 07:00 – 15:00 and 15:00- 23:00

- c) Proposed hours of any construction and development works at the facility and timeframes.

Construction; 07:00 to 18:00 Monday-Saturday

The hours proposed here allow for construction activities on site in relation to the development works. Construction activities will not occur outside of these hours.

Attachment C.4 Conditioning Plan

Not Applicable.

Attachment C2.1

Environmental Management System for AES Ltd. Capparecur

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**Advanced Environmental Solutions (AES)
(Ireland) Ltd.**

**Cappincur
Tullamore
Co. Offaly**


EPA Reg. No.104-1

**Environmental Management System
(EMS)**

Environmental Corrective & Preventive Action EP1.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

No. Environmental Procedures and Associated Forms

EP1.0	Environmental Corrective and Preventative Action	1
	EPF 1.1 Environmental Corrective and Preventative Action	3
EP2.0	Environmental Incident Investigation and Reporting	4
	EPF 2.1 Environmental Incident Investigation Report Form	6
	EPF 2.1 Environmental Corrective and Preventative Action Index	7
EP3.0	Waste Acceptance and Handling	8
	EPF 3.1 Waste Recycling Routes and Disposal Destinations	13
EP4.0	Hazardous Waste Consignment Note (C1 Forms) Procedure	17
EP5.0	Unacceptable Waste Handling	18
	EPF 5.1 Unacceptable Waste Logsheet	20
EP6.0	Environmental Training and Awareness Procedure	21
	EPF6.1 Compulsory Environmental Training	24
	EPF6.2 Compulsory Training Record	25
EP7.0	Environmental Complaints	26
	EP Index 7.1 Environmental Complaints Assessment Form	28
EP8.0	Environmental Communications	29
	EPF 8.1 Environmental Request for Information Form	31
	EPF 8.2 Site Visit Registration Form	32
EP9.0	EMS Management Review	33

Environmental Corrective & Preventive Action EP1.0	Facility: AES Tullamore Waste Licence 104-1
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No. Environmental Work Instructions

EWI 1.0	Weekly Site Inspection & Monitoring	35
EWF 1.1	Weekly Site Drainage System, Bunds, Interceptors and Spill Kits Inspection Forms (1-6)	38
EWF 1.2	Weekly Environmental Nuisance Inspection / Foulwater Removal Logsheet	42

No. Emergency Response Procedures

EPR1.0	Emergency Response Procedure	44
ERP2.0	Spill Clean Up Procedure	47
ERP3.0	General Fire/Explosion Procedure	50
ERP4.0	Flooding Procedure	52
ERP 5.0	Malicious Damage Procedure	54
ERP6.0	Unforeseen Emergency Procedure	55

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Environmental Corrective & Preventive Action EP1.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

1.0 Purpose:

To detail a procedure to address environmental corrective and preventive action

2.0 Scope:

Environmental non-conformance and environmental complaints at this site.

3.0 Responsibility:


Facility Manager or his/her deputy

4.0 References:

EPF 1.1 Corrective/Preventive Action Report Form
 EPF 1.2 Environmental Complaints Assessment Form
 Corrective Action File

5.0 Procedure:

- 5.1 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 (EPF1.1)*.
- 5.2 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.
- 5.3 The *Corrective/Preventive Action Report Form (EPF1.1)* and any other relevant information and correspondence pertaining to the Corrective Action will be filed in a designated *Corrective Action File*.


Environmental Corrective & Preventive Action EP1.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
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- 5.4 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*.
- 5.5 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.
- 5.6 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.

6.0 Responsibilities

The Facility Manager and/or his/her deputy is 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*.


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Environmental Corrective & Preventive Action EPF 1.1	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

ENVIRONMENTAL CORRECTIVE/PREVENTIVE ACTION REPORT 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/Bodies Informed, Date and Details:				
Action Plan:				
Responsibility:				
Target Date for Completion: / /	Actual Date of Completion: / /			
Closed by:	Date: / /			

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Environmental Incident Investigation and Reporting EP 2.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

1.0 Purpose:

To detail the appropriate response to an Environmental Incident at this site.

2.0 Scope:

Environmental accidents/emergencies at this site.

3.0 Responsibility:


Facility Manager and/or his/her deputy.

4.0 References:

EP 1.0 Environmental Corrective and Preventive Action
 EPF 1.1 Environmental Corrective Action Report Form
 EPF 2.1 Environmental Incident Investigation Report Form
 EPF 2.2 Environmental Notification Form
 Waste Licence 104-1


5.0 Procedure:

- 5.1 All environmental incidents must be reported to the Facility Manager as soon as they occur.
- 5.2 The Facility Manager will perform an immediate initial assessment of the incident. This assessment will determine the significance of the incident and whether corrective action must be taken (*EP1.0- Environmental Corrective and Preventive Action*). Findings of this assessment are recorded on the *Environmental Incident Investigation Report Form (EPF 2.1)*.
- 5.3 The Facility Manager or his/her deputy, with reference to (*EP 1.0*) *Environmental Corrective and Preventive Action* will instigate any appropriate *Environmental Corrective/Preventive Action (EP1.0)* to eliminate or minimise the environmental impact of the incident. This action will be executed by the Facility Manager, his/her deputy or by appointed suitably trained personnel. Any Corrective Action is detailed in the *Environmental Corrective and Preventive Action Report Form (EPF1.1)* and referenced in the *Environmental Incident Investigation Report Form (EPF2.1)*.

<p align="center">Environmental Incident Investigation and Reporting EP 2.0</p>	<p align="center">Facility: AES Tullamore Waste Licence 104-1</p>
<p>Prepared By: Linda Cahill</p>	
<p>Approved By: Dr. John MacNamara</p>	
<p>Revision Number: 2</p>	
<p>Effective Date: 11/07/2008</p>	

- 5.4 Where deemed necessary by the Facility Manager or his/her deputy, and with due reference to Conditions of *Waste Licence 104-1*, the relevant bodies will be informed immediately of the non-conformance and associated corrective action. The *Environmental Notification Form (EPF2.2)* shall be completed at this stage.
- 5.5 Where the incident results in a significant environmental impact, an Environmental Programme will be established to eliminate or minimise the impact.
- 5.6 The Facility Manager shall provide a proposal to the relevant authority for its agreement within one month to develop a preventive plan to avoid reoccurrence of the incident and to put in place any other appropriate remedial action.


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Environmental Incident Investigation Report Form EPF 2.1	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

ENVIRONMENTAL INCIDENT INVESTIGATION REPORT FORM


Report No.	Date and Time Recorded:	/ /	:	am/pm	Date & Time Received	/ /	:	am/pm
Nature of Incident								
Cause of Incident								
Environmental Significance of Incident								
Personnel Involved/Affected								
Statutory Bodies Informed and Details								
Consequences of Incident								
Corrective Action Required	YES	/	NO		Corrective Action Report No.			
Signed					Date			

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Environmental Corrective & Preventive Action Index EPF 1.1	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

Company Name:		Facility:		Phone No:		Fax No:		Contact Person:	
Location of Incident									
Date and Time of Incident:	/	/	:	Duration of Incident:					
Nature of Incident:									
Source of Incident:							Has source been isolated?		
Cause of Incident:									
Environmental Significance of Incident									
Corrective Action Taken?	YES / NO	Corrective Action Report No.		Environmental Incident Investigation Report From No.					
Emergency Services Contacted?									
Details of Other Bodies Contacted:									
Signed									

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Waste Acceptance and Handling EP 3.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

1.0 Purpose:

To detail a procedure for the acceptance and handling of waste at AES Tullamore.

2.0 Scope:

All waste accepted at AES Tullamore transfer station for subsequent recovery or disposal, is in accordance with licence Reg. no. 104-1.


3.0 Procedure:

3.1 Waste handling operations at this site are in accordance with hours of operation as detailed in the licence Reg. no. 104-1. At all other times other than Bank Holiday weekends, all waste for disposal shall be removed from the facility within 48 hours of its arrival on-site; at Bank holiday weekends such waste should be removed from the facility within 72 hours of its arrival on-site.

3.1.2 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 otherwise reported on the weight docket and environmental procedure form *EPF 2.1: EPA Transaction Details Audit Report*. Upon entry to the site, waste is weighed at the entrance weighbridge and the vehicle registration number is entered into the system. An individual weigh docket is printed for each waste load. All weigh dockets are filed by an office staff member in the *Weight Docket File*.

3.1.3 After weighing, each waste load is brought to the enclosed Recycle Plant Building, where it is deposited on the floor for visual inspection. Visual inspections are necessary to ensure that all wastes comply with the requirements of the *Waste Licence No. 104-1*.

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 *EPF2.3: Incoming Waste Inspection Audit Sheet*, which is generated through the waste software system. Only after visual inspection can the waste be processed for disposal or recovery. Completed *EPF2.3 forms (Incoming Waste Inspection Audit Sheet)*, are filed in the *Waste Management File*.


Waste Acceptance and Handling EP 3.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
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3.2 Municipal Household Waste

- 3.2.1 Municipal household waste which is accepted at this site is directed through the facility prior to delivery to licensed Landfill Facility utilising AES (Ireland) Ltd. vehicles or third party haulers. Details of Landfill Facilities and third party haulers can be found in Tables A and B of *EP 2.1 Waste Recycling Routes and Disposal Destinations*.
- 3.2.2 The processing of recyclable household material and of commercial and industrial recyclable material is detailed in section 3.4 below.

3.3 Hazardous Waste


- 3.3.1 AES (Ireland) Ltd. Tullamore is licensed to accept hazardous household waste on-site. Hazardous waste, in the form of batteries and fluorescent tubing that are inadvertently accepted on-site are segregated, before being collected and recovered by a licensed contractor. Batteries and fluorescent tubes are stored in enclosed, banded, non-corrosive receptacles inside the recycling plant building, in the Waste Quarantine Area, pending transport off-site for recovery. Details of collectors can be found in *Table B Third Party Haulers EP2.1*.
- 3.3.2 Upon collection of the hazardous waste (batteries and fluorescent tubes), each waste contractor provides a *Consignment Note (C1 Form)*, which is required to move the hazardous waste within the State (if a waste contractor does not provide a C1 form, it may be obtained from the Local Authority). The C1 Form is a 3 part document (A, B & C) and comprises of 5 numbered copies. Before transferring the waste to the carrier, an AES representative must complete Part A on 5 copies of the C1 Form when accepting the waste, the waste contractor must complete part B of the form. This is witnessed by an AES representative, who, then gives the top 4 copies of the form to the carrier and retains the remaining copy. AES files the C1 Forms for a period of 5 years. A certificate of disposal is also received from the waste contractor, when the hazardous waste has reached its final destination. AES Tullamore files the completed C1 Forms with the Certificates of Disposal in the Waste Management File in the General Manager's office.
- 3.3.3 Household hazardous waste inadvertently collected is placed in the quarantine area and disposed at a licenced facility. See document *EP 2.1 Table B* for details of disposal facilities.
- 3.3.4 Any other wastes which are deemed to be in contravention of the waste licence and/or unsuitable for recovery or disposal are contained within the Waste

Waste Acceptance and Handling EP 3.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
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Quarantine Area, as per the Unacceptable Waste handling procedure, EP3.0. This waste is removed from the facility and transferred to an appropriate authorised facility for recovery or disposal.

3.4 Recyclable Material

- 3.4.1 When all hazardous material has been removed, the remaining waste material is examined for recycling potential and is deemed suitable for recycling/recovery or segregated for final authorised disposal based on the level of contamination.
- 3.4.2 The categories of waste deemed suitable for segregation and recycling is dependent on available markets for such materials. Materials commonly accepted for recycling include cardboard/newsprint, timber, construction & demolition waste, glass, plastics, metals and green waste. Recovered recycled materials are directed to the appropriate waste facility as listed in *EP 2.1 Table C*.
- 3.4.3 Cardboard/Paper and newsprint is sorted, separated, baled and compacted. Details of the quantities recovered are generated by the Integrated Waste Management system and filed in the General Manager office (See tables for A & B for further contact details of final destinations used).
- 3.4.4 Timber (including timber pallets) is recovered at AES Tullamore. Details of the quantities of timber recovered are generated by the IWS system and these records are filed in the waste management file in the General Manager office.
- 3.4.5 Glass is accepted in recycling storage containers at AES Tullamore. Details of quantities of glass recovered are generated by the computerised IWS system and these records are filed in the Waste Management File in the General Managers office.
- 3.4.6 Plastic waste is recovered at AES Tullamore. Details of the quantities recovered are generated by the computerised IWS system and these records are filed in the Waste Management File in the General Managers office.
- 3.4.7 Clean construction and demolition waste and clean topsoil is accepted at this facility. Recyclable materials such as the timber and metal fractions are segregated and removed for onwards recycling and the remaining C& D waste is directed to Landfill for land reclamation. Details of the quantities recovered are generated by the computerised IWS system and these records are filed in the Waste Management File in the General Managers office.

Waste Acceptance and Handling EP 3.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
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3.4.8 Empty gas cylinders, which are inadvertently accepted at the AES Tullamore site in household and commercial skips, are segregated and stored in a dedicated skip in the waste quarantine area. The empty gas cylinders are collected and taken off-site by Mick Dunne Fuel Merchants. Details of the quantities recovered are generated by the computerised IWS system and these records are filed in the Waste Management File in the General Managers office.

3.4.9 Pre-sorted dry recyclable kerbside municipal waste is accepted at this facility through the blue recyclable bin system. This waste includes newspaper, Aluminium Cans, Plastic bottles, Magazines, Steel cans, Cardboard Packaging and Tetra-pak. The dry recyclable material is deposited on the floor of the visual inspection area where it is sorted and segregated and baled for further recycling. The material is delivered to following authorised recovery facilities.

3.5 Residual Waste Material


All waste not deemed suitable for recycling/ recovery is loaded into designated containers. These containers are subsequently transported for authorised disposal to landfill. Details of approved Landfill sites are listed in *EP 2.1 Table A*. All waste being transported from the facility is weighed on the computerized weighbridge. An individual weight docket is printed for each waste load. All weight dockets are filed in the *Waste Management File* and are held in the office.

4.0 Responsibilities

The Facility Manager is responsible for establishing, with the relevant personnel, a suitable procedure for accepting and handling waste at the facility. He/she must 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.

5.0 Reference:

- EP2.1: Waste Recycling routes and disposal destinations.
- EP2.2: Hazardous Waste Consignment Note (C1 Forms) Procedure.
- EP3.0: Unacceptable Waste Handling procedure.
- EPF 2.1: EPA Transaction Details Audit Report (incoming) (computer generated)
- EPF 2.2: EPA Transaction Details Audit Report (outgoing) (computer generated)
- EPF 2.4: Incoming Waste Inspection Audit Sheet (computer generated).

<p align="center">Waste Recycling Routes and Disposal Destinations EPF 3.1</p>	<p align="center">Facility: AES Tullamore Waste Licence 104-1</p>
<p>Prepared By: Linda Cahill</p>	
<p>Approved By: Dr. John MacNamara</p>	
<p>Revision Number: 2</p>	
<p>Effective Date: 11/07/2008</p>	

1. Purpose:

To detail the waste recycling routes and disposal destinations for all waste materials accepted at this site.

2. Scope:

All waste accepted at this site and all transfer, recovery or disposal destinations utilised.

3. Procedure:

This procedure is comprised of a number of tables that list all transfer, recovery and disposal destinations utilised by AES (Ireland) Ltd. It also includes a list of outside haulers used to transport waste material. Tables included in this procedure are:

- Table A: Landfill Facilities
- Table B: Third Party Haulers
- Table C: Recycled/Recovered Material Destinations. Including: Glass, Metal, C &D, Timber, and Dry Recyclables.

4. Tables:

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Waste Recycling Routes and Disposal Destinations EPF 3.1	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

Table A Landfill Facilities

Name	Address	Address	Licence No.	Waste Types
Kyletalesha Landfill	Clonsoughy	Kyleclonhobert, Co. Laois	EPA 26-2	Household, Commercial, Industrial Non-Hazardous Solids, Sewage Sludge, C & D
Derryclure Landfill	Derryclure	Tullamore, Co. Offaly	EPA 29-2	Household, Commercial, Industrial Non-Hazardous Solids, Treated Sewage Sludge, C & D
KTK Landfill	Brownstown	Kilcullen, Co. Kildare	EPA 81-3	Commercial, C & D, Industrial Non-Hazardous Solids, Dewatered Industrial Non-Hazardous Sludges/Filtercakes, Construction Materials Containing Asbestos
Ballydonagh Landfill	Ballydonagh	Dublin Road, Athlone, Co. Westmeath	EPA 28-2	Commercial, C & D, Industrial Non-Hazardous Solids, Dewatered Industrial Non-Hazardous Sludges/Filtercakes, Construction Materials Containing Asbestos
Ballaghveny Landfill	Ballymackey	Nenagh. Co. Tipperary	EPA 78-2	As per waste licence
Sillot Hill	Brownstown	Co. Kildare	14-1	As per waste licence
Drehid Waste Management Facility	Killinagh Upper	Carbury, Co. Kildare	EPA 201-1	Approval sought.


Waste Recycling Routes and Disposal Destinations EPF 3.1	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

Table B: Third Party Hauliers				
Name	Address	Address	Licence / Permit No.	Waste Type
M & J Recycling Services Ltd	Sandhill	St. Margarets, Co. Dublin	182/OY/131/04	All Non-Hazardous Wastes
Hegarty Metal Recycling	Ballysimon Rd.	Limerick	013/OY/41/02	As per waste collection permit
Surefreight Ltd.	Unit 4 Shepherds Dr.	Carnabane Ind. Est., Newry, Co. Down Bt35 6JQ	180/OY/127/04	As per waste collection permit
Creagh Transport	Old mines Industrial Est.	Silvermines, Co. Tipperary	231/OY/189/04	All non-hazardous Wastes
P.D. Flaherty Ltd.	Collinstown Business Park	Old Airport Road, Cloghran, Co. Dublin	268/OY/219/05	As per waste collection permit
Hutton International Transport	14 Kylemore Hill,	Rathoe, Co. Carlow	555/OY/643/08	Approval Sought
CELS Ltd.	Cartron East Logistic Services Ltd.	Tullamore, Co. Offaly	395/OY/370/06	Approval Sought


Waste Recycling Routes and Disposal Destinations EPF 3.1	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
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Table C: Recycled/Recovered Material Destinations						
Name	Address	Address	Address	Facility Type	Licence / Permit No.	Waste Types
AES Portlaoise	Kyletalesha	Portlaoise	Co. Laois	Waste Transfer & Material Recovery Facility	194-2	As per waste licence
Midland Waste Disposal	Clonmagadden	Navan	Co. Meath	Waste Transfer & Material Recovery Facility	131-2	As per waste licence
AES Nenagh	Springfort Cross	Nenagh	Co. Tipperary	Waste Transfer Station	WP/TN/112	As per waste permit
Hammond Lane Metal Co. Ltd.	The Batteries	Athlone	Co. Westmeath	Recycling/Recovery/Storage	WP 62-2004	Metal
Smurfit Recycling	Lower Ballymount Rd	Walkinstown	Dublin 12	Cardboard and Paper Recycling Facility	WPR 021/3	Cardboard and Paper
Bailey Waste Recycling	Rosemount Park	Ballycoolin Road	Dublin 11	Cardboard and Paper Recycling Facility	WPT 94	Cardboard and Paper
MSM Recycling	Harbour Street	Mountmellick	Co. Laois	Glass Recycling Facility	WMP005D	Glass
Hegarty Metal Recycling Ltd	Ballysimon Road	Limerick	Co. Limerick	Metal Recycling Facility	WP 05-04	Metal
A1 Metal Recycling	Acragar	Mountmellick	Co. Laois	Metal Recycling Facility	WMP007d	Metal
KMK Metals Recycling Ltd.,	Cappincur Industrial Est.	Daingean Road	Tullamore, Co. Offaly	Waste Transfer Station	EPA 113-03	Metal
Baileys Waste Recycling	Unit 14a Greenogue Bus. Pk.	Rathcoole	Co. Dublin	Waste Transfer Station	WPR 029	timber
Cara Group Ltd	Parkveiw House	Beechhill	Clonskeagh, Dublin 4	Waste Transfer Station	185-1	Hazardous Waste
Irish Lamp Recycling Company Ltd	Woodstock Industrial Estate	Kilkenny road	Athy, Co. Kildare	Waste Facility	WMP 02/2000/b	Fluorescent tubes
Atlas Environmental Ltd	Clonminam Industrial Est.	Portlaoise	Co Laois	Waste Facility	EPA 184-1	Oil
FINSA Forest Products	Scarrif	Co. Clare		IPC facility	IPC-22-2	Timber



Waste Recycling Routes and Disposal Destinations EPF 3.1	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

Table C: Continued Recycled/Recovered Material Destinations						
Name	Address	Address	Address	Facility Type	Licence / Permit No.	Waste Types
Thornton's Recycling Centre	Kileen rd	Ballyfermot	Dublin 10	Waste Transfer Station	EPA 44-2	Mixed Municipal, Packaging Waste, C & D, Wood, Paper, Metals, Veg matter, Food Stuffs, WEEE
Spanboard	10 Curragh Rd.	Coleraine	B4 14L1	Wood Processing	WMEX 10/1	Wood Chip
Cummins Metal	JF Kennedy Drive	Naas RD.	Dublin 12	Waste Facility	WPR 002	Metal
Quinn Glass	Derrylin	Co. Fermanagh	BT92 9AU	Waste Facility	REP 06/2005	Glass 20 01 39
SFL Krystelline	Callan	Co. Kilkenny		Glass Recycling	WP 11/2003	Glass
Clearway	41 Dobbin Rd.	Portadown, Co Armagh	BT62 4EY	Waste Facility	14852	Wood
Thorndale Environmental Recycling	301 Atlantic Quays,	Londonderry	BT 47 7AA	Waste Facility	WDL 14	Plastics
Irish Polymers Ltd.	Enkalon Ind. Est.	Antrim	BT41 4LJ	Waste Facility	WMEX 19/22	Paper/ Mixed Packaging/Plastic
Fibre Brokers International Ltd.	PO Box 8, Troon	Ayrshire	Scotland	Waste Broker	KA10 7LW	Packaging
Marwin Environmental Trading Ltd.	Glyntown Heights	Glanmire	Co. Cork	Waste Broker	926	Paper/Plastic/Packaging
A1 Waste Environmental Management	Kerdiffstown	Naas	Co. Kildare	Waste Facility	WL0047-2	Approval sought
Gypsum Recycling Ireland	Rathcoffey	Donadea, Naas	Kildare	Waste Facility	WP 238/2006	Approval sought
Glassco Recycling Ltd.	Unit 4 Osberstown Business Park	Carragh Road, Naas	Co. Kildare	Glass Recycling	WP 247/2006	Approval sought
Asia Global Trade	Suite 5, 30 Lancaster Gate	London	W2 3LP	Waste Broker	TNE/377194/B	Approval sought
CellMark Recycling Benelux BV	Heuval 7	NL-5664 HK Geldrop	The Netherlands	Waste Broker	A528042663	Approval sought
International Recycling Ltd.	Heath House, 5 Woolgate House	St. Benedicts Street, Norwich NR2 4AP	England	Waste Broker	AEA/791992/B	Approval sought
Georgia Pacific GB Ltd.	Stubbins Mill, Stubbins Lane	Ramsbottom, Bury, BL0 0NH	England	Paper Mill	BJ6534	Approval sought

Hazardous Waste Consignment Note (C1) Forms) Procedure EP 4.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

1.0 Purpose:

To detail a procedure for the completion of Hazardous Waste Consignment Note (C1 Forms).

2.0 Scope:

All hazardous waste inadvertently accepted at this site.

3.0 Procedure:

- 3.1 Upon collection of the hazardous waste (batteries and fluorescent tubes), each waste contractor provides a Consignment Note (C1 Form) which is required to move the hazardous waste within the State. (If the waste contractor does not provide a C1 Form, it may be obtained from the Local Authority).
- 3.2 The C1 Form is a 3 part document (A, B & C) comprised of 5 numbered copies. Before transferring the waste to the carrier, AES (Ireland) Ltd. representative must complete Part A on 5 copies of the C1 Form.
- 3.3 When accepting the waste, the waste contractor must complete part B of the form. This is witnessed by the AES (Ireland) Ltd. representative, who, then gives the top 4 copies of the form to the carrier and retains the remaining copy.
- 3.4 AES (Ireland) Ltd. maintain the C1 Forms for a period of 5 years. A Certificate of Disposal is also received from the waste contractor, when the hazardous waste has reached its final destination.
- 3.5 AES (Ireland) Ltd. file the completed C1 Forms with the Certificates of Disposal in the Waste Management File in the General Manager's office.

4.0 Responsibilities

The Facility Manager is responsible for establishing, with the relevant personnel, a suitable procedure for accepting and handling waste at the facility. He/she must 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.

Unacceptable Waste Handling EF 5.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

1.0 Purpose:

To detail a procedure for the management of unacceptable wastes received at this site.

2.0 Scope:

Unacceptable wastes received at this site.

3.0 Responsibility

Facility Manager or his/her deputy

4.0 Reference

EP 2.0 Procedure for Waste Acceptance and Handling
 EPF 2.3 Incoming Waste Inspection Audit/Logsheet
 EPF 2.2 Outgoing Waste Inspection Audit/Logsheet

5.0 Procedure:

5.1 Waste accepted at the facility is visually inspected as it is deposited on the floor of the Recycle Plant Building. Visual inspection of waste is the responsibility of the Segregation Manager, as per the *Waste Acceptance and Handling Procedure EP 2.0*. Upon receipt of any wastes which are deemed to be in contravention of the waste licence and/or are unsuitable for recovery or disposal, the Facility Manager shall be informed.

5.2 Unacceptable waste types include the following:

Sewage sludge	Waste oil	Oil filters
Industrial non-hazardous liquids and sludge	Infectious healthcare waste	Oil/sand mixtures or mixture of oil and other absorbent material
Pharmaceutical waste	Cytotoxic waste	Paint and ink
Solvents	Specified risk material	Photographic processing waste
Contaminated rubble, soil	Asbestos	

Unacceptable Waste Handling EF 5.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

- 5.3 The unacceptable waste will be segregated and contained within the Waste Quarantine Area on the facility. This waste shall be removed from the facility as soon as possible and returned to source. When this is not feasible, such unacceptable wastes will be held on site until such time as a suitably qualified contractor can be sourced to allow the waste to be transferred to an appropriate alternative facility for recovery or disposal.
- 5.4 A written record of all unacceptable wastes will be maintained on the *Unacceptable Wastes Logsheet EPF3.1*. Completed *EPF 3.1* logsheets are filed in the Waste Management File in the Facility Manager's office.

6.0 Responsibilities


The Facility Manager is responsible for establishing, with the relevant personnel, a suitable procedure for managing unacceptable wastes at the Tullamore facility. He/she must 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 are being maintained.

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

Unacceptable Waste Handling EF 5.1	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

Reference Number		Date: / /	Identified By:
		Time:	Photograph Taken: Tick box <input type="checkbox"/> Yes <input type="checkbox"/> No
Waste Type			
Quantity			
Source			
Disposal Requirements			
Disposal Destination (including waste permit/licence number)			Cost:
Collected/Transported By: (including waste collection permit number)			Cost:
EPA/Co. Co. Notified	YES / NO	Details:	
Disposal Date: / /	Disposal Record on File: YES / NO		
Signed off By:	Date: / /		

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Environmental Training and Awareness Procedure EP 6.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

DEVELOPING AND IMPLEMENTATING A TRAINING AND AWARENESS PLAN

1.0 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 AES Tullamore.

2.0 Scope:

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


3.0 Responsibility:

The Facility Manager

4.0 References:

2. Compulsory Environmental Training Form (EPF 5.1)
3. Environmental Training Record (EPF 5.2)
4. Waste License 104-1
5. Internal Communication File

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Environmental Training and Awareness Procedure EP 6.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

5.0 Procedure:

5.1 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 Licence and the Environmental Protection Agency;
- Waste Acceptance and Handling Procedure (EP2.0);
- Unacceptable Waste Handling (EP3.0);
- Potential Impact of inductees activities on the environment;
- Emergency Response Procedures ERP 1.0 to ERP 6.0;
- Sources of Environmental Information pertaining to site activities.

5.2 Training

5.2.1 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 (EPF 5.1)* and place these on display on the designated environmental notice board.

5.2.2 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. Records of these meetings shall be kept on file by the Environmental Manager.


5.2.3 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.

<p align="center">Environmental Training and Awareness Procedure EP 6.0</p>	<p align="center">Facility: AES Tullamore Waste Licence 104-1</p>
<p>Prepared By: Linda Cahill</p>	
<p>Approved By: Dr. John MacNamara</p>	
<p>Revision Number: 2</p>	
<p>Effective Date: 11/07/2008</p>	

5.3 Awareness

- 5.3.1 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.
- 5.3.2 The Facility Manager or his/her deputy is responsible for ensuring that selected environmental information is displayed on the designated environmental notice board.
- 5.3.3 A copy of all information placed on the environmental notice board or handed out to staff is stored in the *Internal Environmental Communication File* by the Facility Manager and/or his/her deputy. All staff shall be advised concerning the availability of all information pertaining to *Waste License 104-1* for inspection.


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Compulsory Environmental Training EPF 6.1	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

COMPULSORY ENVIRONMENTAL TRAINING

Training No.	Date and Time Issued	/	/	:	am/pm
Staff Names/Job Titles:					
Details of Environmental Training					
Training Provider Internal/External					
Duration of Training					
Projected Cost					
Issued By		Signature of Facility Manager			Date

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Environmental Training Record EPF 6.2	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

ENVIRONMENTAL TRAINING RECORD

Employee Name:			Position:		
Date	Type of Training Internal/External	Description of Training	Signature of Trainer	Signature of Trainee	Certificate Received Yes/No

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Environmental Complaints EP 7.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

1.0 Purpose:

To ensure all environmental complaints are dealt with effectively.

2.0 Scope:

External and internal environmental complaints pertaining to this site.

3.0 Responsibilities:

Facility Manager or and/or his/her deputy. All employees are responsible for communicating any complaints identified on-site or off-site to the Facility Manager regardless of how minor it appears or what format it assumes.

4.0 References:

- EP 1.0 Environmental Corrective and Preventive Action
- EP 2.0 Environmental Incident and reporting procedure
- Environmental Complaints Register
- EPF 3.1 Environmental Complaints Assessment Form
- EPF 1.1 Corrective/Preventive Action Form.
- Waste License 104-1

5.0 Procedure:

- 5.1 All environmental complaints with regard to on site activities of the company are recorded, investigated and actioned if deemed feasible.
- 5.2 The Facility Manager will ensure that all environmental complaints written and verbal, from internal and external sources, are recorded on an *Environmental Complaints Assessment Form (EPF 3.1)*.
- 5.3 The complaints form will be processed by the Facility Manager with any further relevant documentation attached.
- 5.4 Each complaint form will be completed with information detailing the name and address of the complainant, when known, and the time and date of the receipt of the complaint. The complaint form will also contain a reference number and detail the nature of the complaint including the time and date of the incident.


Environmental Complaints EP 7.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

- 5.5 The Facility Manager will investigate each complaint and record the results of the investigation on the *Environmental Complaints Assessment Form (EPF 3.1)*. The results will indicate whether the complaint is valid, the cause of the complaint, and whether corrective action is required. If corrective action is required, the Facility Manager will initiate corrective action as per the *Corrective/Preventive Action procedure (EP 1.0)* and *Environmental Incident and Reporting Procedure (EP 2.0)*.
- 5.6 The Facility Manager, will notify all complainants of the result of the investigation and any associated corrective action, where possible. The *Complaints Assessment Form (EPF 3.1)* will detail the date that information was sent to complainants and authorised by the signature of the Facility Manager.
6. All completed forms are placed within a register of environmental complaints and maintained on file by the Facility Manager. This Register will also include a summary list of filed forms.

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Environmental Complaints Assessment Form EP 7.1	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

Complaint No.		Date & Time Received	/ / : am/pm	Initial Investigation and Action		
Name:		Communication:				
Address:		Phone				
		Fax				
		Letter				
Phone No:		Verbal				
Fax No:		Other		Signed:	Date: / /	
Description of Complaint				Corrective Action Summary	CA #:	
				Signed:	Date:	
				Complaint Resolution Summary		
				Incident First Noted	Date: / / Time: : am/pm	
Complaint Passed To:						
Date:	/ /	Signed:		Date:		
Complaint Valid?	YES / NO	Complainant Notified?		YES / No	Date: / /	
Immediate Action Required?	YES / NO	Complaint Closed By:				
Further Corrective Action Rqd?	YES / NO	Date:		/ /		

Environmental Communication (Internal and External) EP 8.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

1.0 PROCEDURE FOR THE PROCESSING OF ENQUIRIES WITH REGARD TO ENVIRONMENTAL PERFORMANCE ON-SITE

1.0 Purpose:


The purpose of this procedure is to install a programme to ensure that members of the public can obtain information concerning the environmental performance of this site at all reasonable times (Condition 2.4.1 Waste Licence 104-1).

2.0 Scope:

The scope of this procedure is all activities conducted on-site in accordance with *Waste Licence 104-1* and general environmental performance on-site.

3.0 Procedure:

- 3.1 All calls regarding the environmental performance of the plant are directed to the Facility Manager.
- 3.2 All enquiries regarding environmental performance are logged on the *Environmental Request for Information Form (EPF 7.1)*. This form shall include at a minimum;
- (a) Date of enquiry
 - (b) Time of Enquiry
 - (c) Name of enquirer
 - (d) Nature of enquiry
 - (e) Record of request for site visit
 - (f) Record of request for site tour
 - (g) Record of request access to documentation
 - (h) Signature of receiver of enquiry
- 3.3 The site manager shall with all due expedience make available information on the public file.

Environmental Communication (Internal and External) EP 8.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

- 3.4 The public file shall contain;
- (a) Annual Environmental Report
 - (b) Monthly Compliance Reports
 - (c) EPA correspondence
 - (d) Environmental Schedule of Objectives and Targets.


4.0 Responsibility:

The Facility Manager or other responsible person authorised by the Facility Manager is responsible for the implementation of the above procedure.

5.0 Relevant Documentation:

- Environmental Request for Information Form (EPF 7.1)
- Environmental Site Visit Registration Form (EPF7.2)
- Environmental Complaints Procedure (EP6.0)
- Environmental Complaints Assessment Form (EPF6.1)
- Environmental Corrective & Preventive Action Procedure (EP1.1)
- Environmental Corrective Action Report Form (EPF1.1)

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For more info please apply.

Environmental Request for Information Form EP 8.1	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

ENVIRONMENTAL REQUEST FOR INFORMATION FORM (EPF8.1)


Request for Information No:		Date: / /	Time: :	
Name:	Communication	Nature of Reply:		
Address:	Phone			
	Letter			
	Fax			
	Verbal			Communication Attached:
	Other			Date of Reply:
Phone No:	Fax Number:	Reply By:		
Detail of Request for Information:	Site visit Requested			
	Proposed Date:			
	Area to be Visited:			
	Information examined by visitor:			
	Visitor Comments:			
Signed Signature of Company Representative:		Signature of visitor:		
Date:		Date:		

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Site Visit Registration Form EPF 7.2	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

Report No.	Date and Time Recorded:	/ /	:	am/pm	Date and Time Visit	/ /	:	am/pm
Name of Visitors								
Details								
Site Tour Details								
Documentation Inspected								
Complaint Logged								
Follow-up Action								
Signed				Date				

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EMS_Management Review EP 9.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

1.0 Purpose:

The purpose of this procedure is to review the *Environmental Management Programme* (EMP) and to update it annually to account for any changes to the facility infrastructure/management and yearly improvements resulting from the phased introduction of the objectives and targets programme.

2.0 Scope:

All operations shall be assessed and all practicable and feasible options for the use of cleaner technology and the reduction and minimisation of waste and emissions shall be reviewed.

3.0 Definitions:

3.1 Emissions:

Any discharges to the environment generated by activities at this site.

3.2 Targets:

Detailed performance requirement, quantified where practicable, applicable to the organization or parts thereof, that arises from the environmental objectives and that needs to be set and met in order to achieve those objectives.

3.3 Objectives:


Overall environmental goal, arising from the environmental policy, that an organisation sets itself to achieve, and which is quantified where practicable.

3.4 Target Date:

The date or timeframe by which the ultimate target (aim or goal) will be achieved. Target dates may also be set for the completion of the objectives.

3.5 Person Responsible:

The employee(s) with the overall responsibility of ensuring that the targets and objectives are completed on schedule.

EMS_Management Review EP 9.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

4.0 Programme Title:

	(EMP yr/#/review)
4.1 Emissions to Atmosphere	EMP 05/1/1
4.2 Emissions to Groundwaters	EMP 05/2/1
4.3 Natural Resources Used	EMP 05/3/1
4.4 Waste Produced	EMP 05/4/1
4.5 Recycling and Recovery of Waste	EMP 05/5/1
4.6 Site Operations and Waste Management Procedures	EMP 05/6/1

5.0 Procedure


5.1 Monitoring Programme:

All discharges and emissions shall be monitored as specified in Schedule D of Waste Licence 104-1:

- E (1) Dust
- E (2) Noise
- E (3) Monitoring Emissions to Groundwater
- E (4) Wastewater Emissions
- E (5) Monitoring of Surface Water Emissions

All waste accepted and handled at the facility shall be documented as per the *Waste Acceptance and Handling Procedure (EP2.0)*.

- 5.2.1 On an annual basis and at any other time deemed necessary by the Facility Manager in consultation with Operations and Environmental Managers, forms EMPyy/1 to EMPyy/6 shall be checked for achievement of targets and completion of the objectives listed for the previous year.
- 5.2.2 If all targets have been achieved and objectives completed the form shall be signed off by the Facility Manager.
- 5.2.3 In the event of any objective not being achieved or any targets not completed, an explanation shall be appended to the form. New targets and objectives shall be listed as specified in 5.3.1 through 5.3.3 of this procedure on the appropriate form for the following year. The Facility Manager shall then sign the forms.

Weekly Site Inspection and Monitoring EWI 1.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

1.0 Purpose:

To detail the methodology to be followed when undertaking site drainage system, bunds and interceptors inspection, weekly environmental nuisance monitoring.

2.0 Scope:

Weekly inspection of site drainage system, bunds oil interceptors and spill kits, weekly environmental nuisance monitoring.

3.0 Procedure: Weekly Inspection of site drainage system, bunds, oil interceptors and spill kits.

3.1 On a weekly basis the following areas should be inspected for the purpose of this procedure;


- Surface Water Line – including all rain gulleys, silt trap and oil interceptor.
- Open Drainage Line from leachate catchment area including Waste water holding chamber
- Drainage from Diesel Filling Area
- Drainage from Truck Wash Area
- Diesel Tank Bund
- Spill Kits

A record of inspections should be maintained on the Environmental Work Instruction – *Weekly Drainage System, Bunds, and Oil Interceptors Inspection Form (EWF 1.1)*

3.2 A general visual inspection should be conducted on all areas detailed above by the Facility Manager or designee. This visual inspection should note on the inspection forms any blockages, overflows or presence of any liquid or solid matter within the area of inspection which should not be present.

3.3 The discharge from the drainage systems and interceptors should be inspected for any signs of unexpected discoloration (e.g. hydrocarbons), vegetative die-back, odour, etc in the vicinity.

3.4 Bunds (diesel tank) and associated tanks (interceptor tanks, fuel storage tanks etc) should be inspected for leaks from flanges, valves and pipework.

Weekly Site Inspection and Monitoring EWI 1.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

- 3.5 All drainage pipework, oil interceptors and bunds should be inspected for signs of structural damage.
- 3.6 Should any interceptor or section of drainage system require desludging or cleaning, the Facility Manager shall ensure that such desludging or cleaning is conducted in an environmentally responsible manner by a designated appropriate contractor. If in the case of suspected contaminated waste generated from the cleaning procedure, the following shall be undertaken. The waste will be inspected by an appropriate qualified person e.g. Environmental Consultant, and analysed if deemed necessary and disposed of through appropriate waste channels as above..


As minimum, the oil interceptors should be deslugged on a 6 monthly basis. A record of the quantities deslugged and the destination of the waste should be maintained. The pipe network shall be cleaned as minimum on a 3 yearly basis or more frequent if deemed necessary.

4.0 Procedure: Weekly Environmental Nuisance Inspection Form

- 4.1 On a weekly basis the site shall be inspected for the presence of the following;
- Vermin.
 - Birds
 - Flies
 - Mud
 - Litter
 - Dust and Odour

A record of inspections should be maintained on the Environmental Work Instruction – *Weekly Environmental Nuisance Inspection Form (EWF 1.2)*

- 4.1 A general visual inspection should be conducted on all areas detailed above by the Facility Manager or designee. This visual inspection should note any of the above listed nuisances on the inspection form.

Weekly Site Inspection and Monitoring EWI 1.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	


5.0 Responsibility:

The Facility Manager is responsible for the implementation of this procedure and the initiation of a corrective action if deemed necessary.

6.0 References:

EWF1.1 Weekly Site Drainage System, Bunds, Silt Traps/Interceptor Tanks, Oil Interceptors and Spill Kits Inspection Form.
 EWF 1.2 Weekly Environmental Nuisance Inspection Form


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Weekly Site Drainage, Bunds, Silt Traps/ Interceptor Tanks, Oils Interceptors and Spill Kits Inspection Form EWF 1.1	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

Diesel Tank Bund/ Diesel Filling Area Weekly Inspection Form			
Site: AES Tullamore		Date and Time Inspection	/ / : am/pm
General Visual Inspection	<i>For inspection purposes only. Consent of copyright owner required for any other use.</i>		
Visual Inspection of Water Within Bund			
Wastewater Removal Required			
Wastewater Quantity and Destination			
Structural Damage			
Maintenance Requirements (Responsibility)			
Other Corrective Action			


Signed :

Date:

Weekly Site Drainage, Bunds, Silt Traps/ Interceptor Tanks, Oils Interceptors and Spill Kits Inspection Form EWF 1.1	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

Wastewater Percolation Chamber Weekly Inspection Form			
Site: AES Tullamore		Date and Time Inspection	/ / : am/pm
General Visual Description			
Visual Inspection along Waste Water Drainage Channel			
Desludging Requirement			
Sludge Quantity and Destination			
Structural Damage			
Maintenance Requirements (Responsibility)			
Other Corrective Action			
General Visual Description			
Signed		Date	


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Weekly Site Drainage, Bunds, Silt Traps/ Interceptor Tanks, Oils Interceptors and Spill Kits Inspection Form EWF 1.1	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

Surface Water Drainage Weekly Inspection Form			
Site: AES Tullamore		Date and Time Inspection	/ / : am/pm
General Visual Inspection	Consent of copyright owner required for any other use.		
Visual Inspection of Water at all Rain Gulleys			
Visual Inspection of Silt Trap/Interceptor Tank			
Desludging Requirement			
Sludge Quantity and Destination			
Structural Damage			
Maintenance Requirements (Responsibility)			
Other Corrective Action			

Signed:


Date:

Weekly Site Drainage, Bunds, Silt Traps/ Interceptor Tanks, Oils Interceptors and Spill Kits Inspection Form EWF 1.1	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

Report No.		Date and Time Inspection			
			/	/	:
			am/pm		
Spill Kits					
Location 1.	All items in place	YES	/	NO	if no give details
Location 2.	All items in place	YES	/	NO	if no give details
Location 3.	All items in place	YES	/	NO	if no give details
Location 4.	All items in place	YES	/	NO	if no give details
Maintenance Requirements (Responsibility)					
Other Corrective Action					
Signed			Date		

Weekly Environmental Nuisance Inspection EWF 1.2	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

Weekly Nuisance Inspection Form			
Site:	AES Tullamore	Date and Time Inspection	/ / : am/pm
<u>VERMIN</u> Were all bait boxes checked? What other signs, if any, of vermin presence were noted? (e.g. faecal matter, visual etc)		For inspection purposes only. Company copyright owner required for any other use.	
<u>BIRDS</u> Detail any birds observed on site, their location number and their activities if creating a nuisance (e.g. scavenging)?			
<u>FLIES</u> Detail any fly infestations observed and their location?			
<u>MUD</u> Was any mud observed on internal roads or outside the main entrance of the facility?			
<u>LITTER</u> Was any litter observed on the internal roadways or outside the main entrance of the facility or along the boundary fence? If yes ensure all litter is collected and transferred to appropriate containers for disposal or recycling.			
<u>DUST/ODOUR</u> <u>1. Observations within site boundary</u> Are plumes of dust being generated through on site activities? Is there any noticeable odour nuisance being generated from on-site activities?			
<u>2. Observations outside site boundary at adjacent roadway</u> Are plumes of dust being generated through on site activities?			
<u>3. Is there any noticeable odour nuisance being generated from on-site activities?</u>			
<u>CORRECTIVE ACTION</u> Detail any corrective action required arising from the previous observations?			
Signed		Date	

Emergency Response Procedure ERP 1.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

1.0 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.

2.0 Scope

The scope of this procedure is the application of the Environmental Emergency Plan:

Document No.	Description	Revision No.
ERP 2.0	Spill Clean Up Procedure	2
ERP 3.0	General Fire/Explosion Procedure	2
ERP 4.0	Internal/External Flooding Procedure	2
ERP 5.0	Malicious Damage Procedure	2
ERP 6.0	Unforeseen Emergency Procedure	2


3.0 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 see appendix A.

4.0 Procedure

- 4.1 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
- 4.2 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.

Emergency Response Procedure ERP 1.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

- 4.3 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.
- 4.4 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.
- 4.5 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 (EPF1.1)*.
- 4.6 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 104-1.
 - Any trigger level specified in the Waste License 104-1 which is attained or exceeded.
 - Any indication that environmental pollution has or may have, taken place.
 - Any occurrence with the potential for environmental pollution, and,
 - Any emergency
- 4.7 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.

Emergency Response Procedure ERP 1.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

4.8 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


5.0 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 or 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.

Appendix A Emergency Response Team

Role	Name	Area	Extension/Mobile
Emergency Controller	Vincent Egan	AES Tullamore	086 8659031
Deputy Emergency Controller	Har Brown	AES Tullamore	087 4100160
News/Media Co-ordinator	Dr. John MacNamara	AES	045 843805
Fire Marshall	Har Brown	AES Tullamore	087 4100160
Fire Fighter	Mick Shanahan	AES Tullamore	087 6195101
First Aider	Thelma Mealiffe	AES Tullamore	Ext. 322
Assembly Area Co-ordinator	Har Brown	AES Tullamore	087 4100160

Spill Clean-up Procedure ERP 2.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

1.0 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

2.0 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

3.0 Procedure

- 3.1 Ensure that hazardous 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.
- 3.2 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?
 - Consult the relevant data sheets (Material Safety Data Sheet or otherwise) for the method of spill containment and fire control of the affected material.
 - 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

Spill Clean-up Procedure ERP 2.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

- 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.
- 3.3 The spillage must be contained using absorbent material, socks, booms or sandbags to create a secure dike. These are located in the high risk areas of spillage throughout the facility. 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]).
- 3.4 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.
- 3.5 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).
- 3.6 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 consultant will be recorded and held with the *Environmental Corrective and Preventive Action Form (EPF1.1)* on file in the office.

Spill Clean-up Procedure ERP 2.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

- 3.7 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.
- 3.8 Any waste material resulting from a spillage clean-up shall be dispatched to an appropriate facility for disposal and/or recovery under the supervision of the Facility Manager.
- 3.9 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 EPF1.1*

4.0 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.

General Fire/Explosion Procedure ERP 3.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

1.0 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

2.0 Scope

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

3.0 Procedure

- 3.1 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.**
- 3.2 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.
- 3.3 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.
- 3.4 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.
- 3.5 Personnel shall not re-enter the building unless the Facility Manager deems it safe to do so.


General Fire/Explosion Procedure ERP 3.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

- 3.6 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
- 3.7 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.
- 3.8 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 Licence 104-1.
- 3.9 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 (EPF1.1)*

4.0 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.

Flooding Procedure ERP 4.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

1.0 Purpose

This procedure is required in order to:


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

2.0 Scope

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

3.0 Procedure

- 3.1 Locate source of flooding and, if possible and safe to do so, shut it off.
- 3.2 Remove containers of environmental hazardous material to a safe location to prevent their entry to the drainage system. As per *EPR2.0* ensure all hazardous 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.
- 3.3 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.
- 3.4 Once the source of the flooding has been eliminated, the Facility Manager will commence the mop up operation, if required as per *EPR2.0*.
- 3.5 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 Licence 104-1.
- 3.6 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 (EPF1.1)*

Flooding Procedure ERP 4.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	


4.0 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.

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Malicious Damage Procedure ERP 5.0	Facility: AES Tullamore Waste Licence 104-1
Prepared By: Linda Cahill	
Approved By: Dr. John MacNamara	
Revision Number: 2	
Effective Date: 11/07/2008	

1.0 Purpose

This procedure is required in order to:

- Monitor malicious damage
- Prevent malicious damage.

2.0 Scope

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

3.0 Procedure

- 3.1 Where any occurrence of malicious damage is noted or where persons are observed causing malicious damage the Facility Manager is informed.
- 3.2 Where malicious damage results in a significant environmental impact, or a potential significant environmental impact the Facility Manager is advised who then undertakes to minimise and repair the damage caused.
- 3.3 Persons observed causing malicious damage are subjected to internal disciplinary action. The Facility Manager, will report external persons to the Gardai.
- 3.4 The Facility Manager will contact relevant authority in the event of any incident on site paying due regard to the conditions set out in the Waste Licence 104-1.
- 3.5 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 EPF1.1*)

4.0 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.

1.0 Purpose

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

2.0 Scope

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

3.0 Procedure

- 3.1 Following the occurrence of an incident requiring emergency action, the observant shall contact the most senior representative of management on-site.
- 3.2 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.
- 3.3 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.
- 3.4 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, 5.0.)
- 3.5 The Facility Manager is responsible for informing the relevant authority if hazardous chemicals or firewater have infiltrated the drainage network.
- 3.6 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 EPF1.1*)

4.0 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.

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ATTACHMENT D - INFRASTRUCTURE & OPERATION

The following sections should be read in conjunction with the figures included in the EIS and the Drawings in Attachments A & D.

Attachment D.1 Infrastructure (as per waste application form)

Please refer to Drawings CE08-628-01-100-008 & 009 outlining site infrastructure.

D.1.a Site Security

Details of site security for the facility are outlined in Section 2.1.1 and 2.2.1 of the EIS.

D.1.c Hardstanding Areas

Details of the existing and proposed hardstanding areas are outlined in Sections 2.1.1 and 2.2.1 of the EIS.

D.1.d Plant

Details of plant used on site and the facility weighbridge is included in Section 2.1.1 and 2.2.1 of the EIS

D.1.g Fuel Storage

Details of fuel storage facilities are outlined in Sections 2.1.1 and 2.2.1 of the EIS.

D.1.h Waste Quarantine Areas

Details of waste quarantine areas are outlined in Sections 2.1.1 and 2.2.1 of the EIS.

D.1.i. Waste Inspection areas

Details of waste inspection areas are outlined in Section 2.1.1 and 2.2.1 of the EIS.

D.1.j. Traffic Control

Details of the traffic management system are outlined in Section 2.1.1 and 2.2.1 of the EIS.

D.1.k Sewerage and Surface Water Drainage

Details of all sewerage and surface water drainage are outlined in Sections 2.1.1 and 2.2.1 of the EIS.

D.1.l All Services

Details of all on-site services are outlined in Sections 2.1.1 and 2.2.1 of the EIS.

D.1.m Plant Sheds and Garages

Details of plant sheds are outlined in Section 2.1.1 and 2.2.1 of the EIS.

D.1.n Site Accommodation

Details of site accommodation are outlined in Section 2.1.1 and 2.2.1 of the EIS.

D.1.o Fire Control System

Details of the Fire Control System are outlined in Section 2.1.1 and 2.2.1 of the EIS.

D.1.r Construction & Demolition Infrastructure

Details of construction and demolition infrastructure are outlined in Section 2.1.1 and 2.2.1 of the EIS.

Attachment D.2 Facility Operation

The activities that occur at the waste transfer facility are listed as follows;

- D.2.1 Waste Acceptance
- D.2.2 Unloading and inspection of waste
- D.2.4 Picking line operation
- D.2.5 Metals recovery
- D.2.6 Baling of recyclable materials
- D.2.7 Transfer of materials offsite

The locations at which these activities occur and a flow diagram of site activities are indicated in Drawing CE08-628-01-100-008

Emissions related to the activities listed above are limited to those from the use of excavators and forklifts. All other plant used in general facility operations is electrically operated.

D.2.1 Waste Acceptance

All waste material arriving to the facility passes over the weighbridge where details of the loads are recorded. Waste arrives at the site in either skip lorries or articulated lorries with ejector trailers. A weight docket is printed for each waste load.

D.2.2 Unloading of waste

Waste is unloaded in one of two locations depending on its nature. Dry recyclables/mixed waste is unloaded in the south western corner of the processing building where it is spread out using a tracked excavator with a grab. The waste material is visually inspected and any non suitable material is removed and placed in the waste quarantine area prior to being taken off site. The waste is then loaded onto a conveyor that feeds the picking line.

Construction and demolition waste is unloaded in the north eastern section of the processing building. Material is unloaded and spread out using an excavator and visually inspected. Recoverable/recyclable material is removed and non recyclable material is taken off site for disposal.

D.2.3 Picking Line operation

Pre-sorted dry recyclable material including newspapers, aluminium cans, plastics, magazines, steel cans, cardboard packaging and Tetra-paks are deposited on the floor of the waste processing building and loaded onto a conveyor that feeds a manual picking line installed at an elevated height. Operatives remove recoverable/recyclable material from the waste stream as it passes along a horizontal belt.

Materials reclaimed from the waste stream are placed in individual chutes such that paper, card and plastics are isolated, then separated at the picking line and collected in containers underneath the picking line.

D.2.4 Metals Recovery

After passing through the picking line, the remaining materials pass through a magnetic separator and eddy current separator to reclaim both ferrous and non ferrous metals.

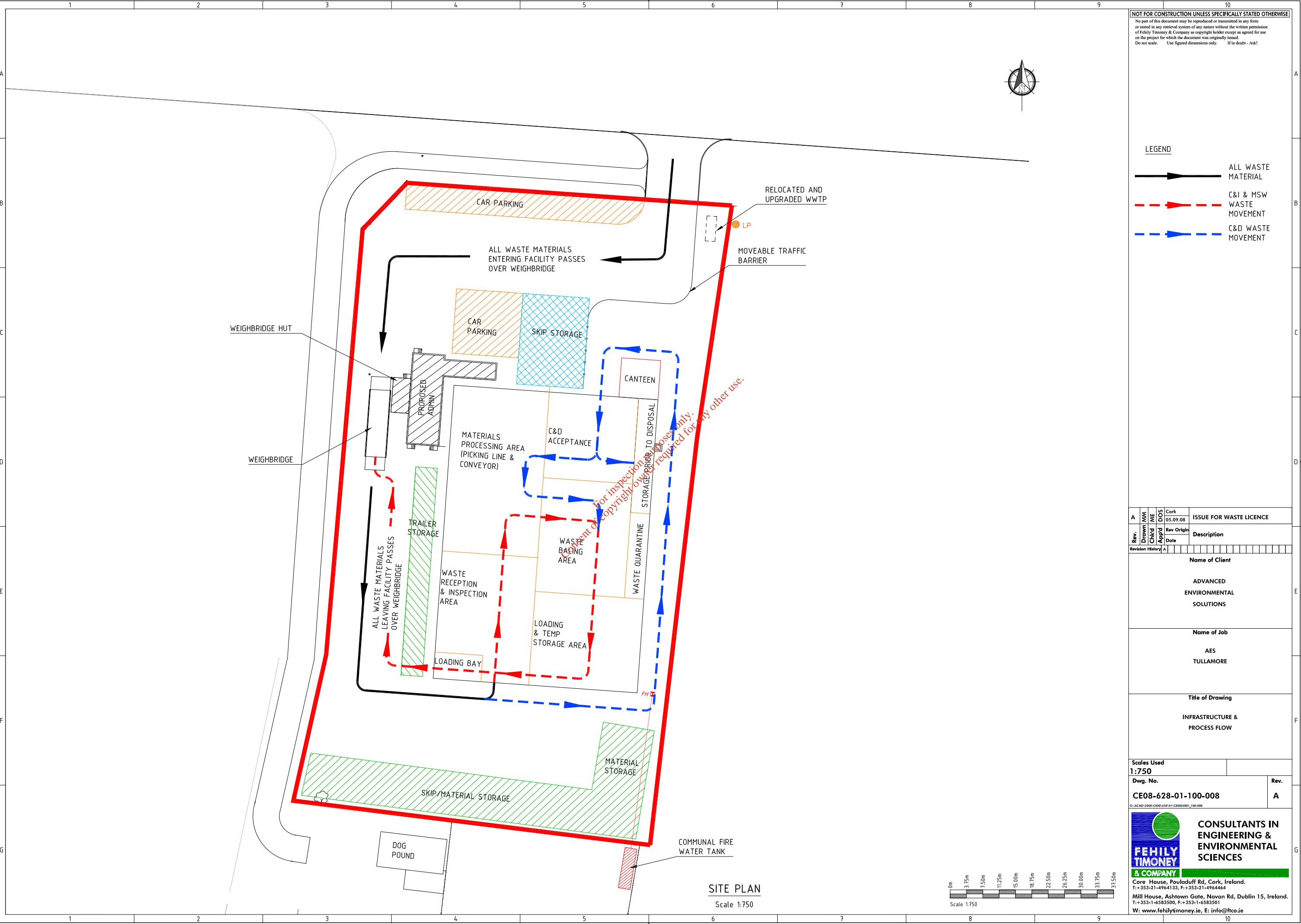
D.2.5 Baling of recyclable materials

Recyclable materials like paper, cardboard, plastics and metals are baled onsite prior to transport off site to dedicated recycling facilities.

D.2.6 Transfer of materials offsite

The material separated onsite goes for either final disposal at approved facilities, if non recyclable, or for further processing through approved intermediates, if recyclable. Material is separated and loaded into suitable receptacles and passes over the weighbridge where details of the load are recorded electronically.

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LEGEND

- ALL WASTE MATERIAL
- C&I & MSW WASTE MOVEMENT
- C&D WASTE MOVEMENT

Rev.	Drawn	Checked	App'd	Rev Orig	Date	Description
A	JM	JM	JM	CE	05.09.08	ISSUE FOR WASTE LICENCE

Name of Client	
ADVANCED ENVIRONMENTAL SOLUTIONS	
Name of Job	
AES TULLAMORE	
Title of Drawing	
INFRASTRUCTURE & PROCESS FLOW	

Scales Used	1:750
Dwg. No.	CE08-628-01-100-008
Rev.	A

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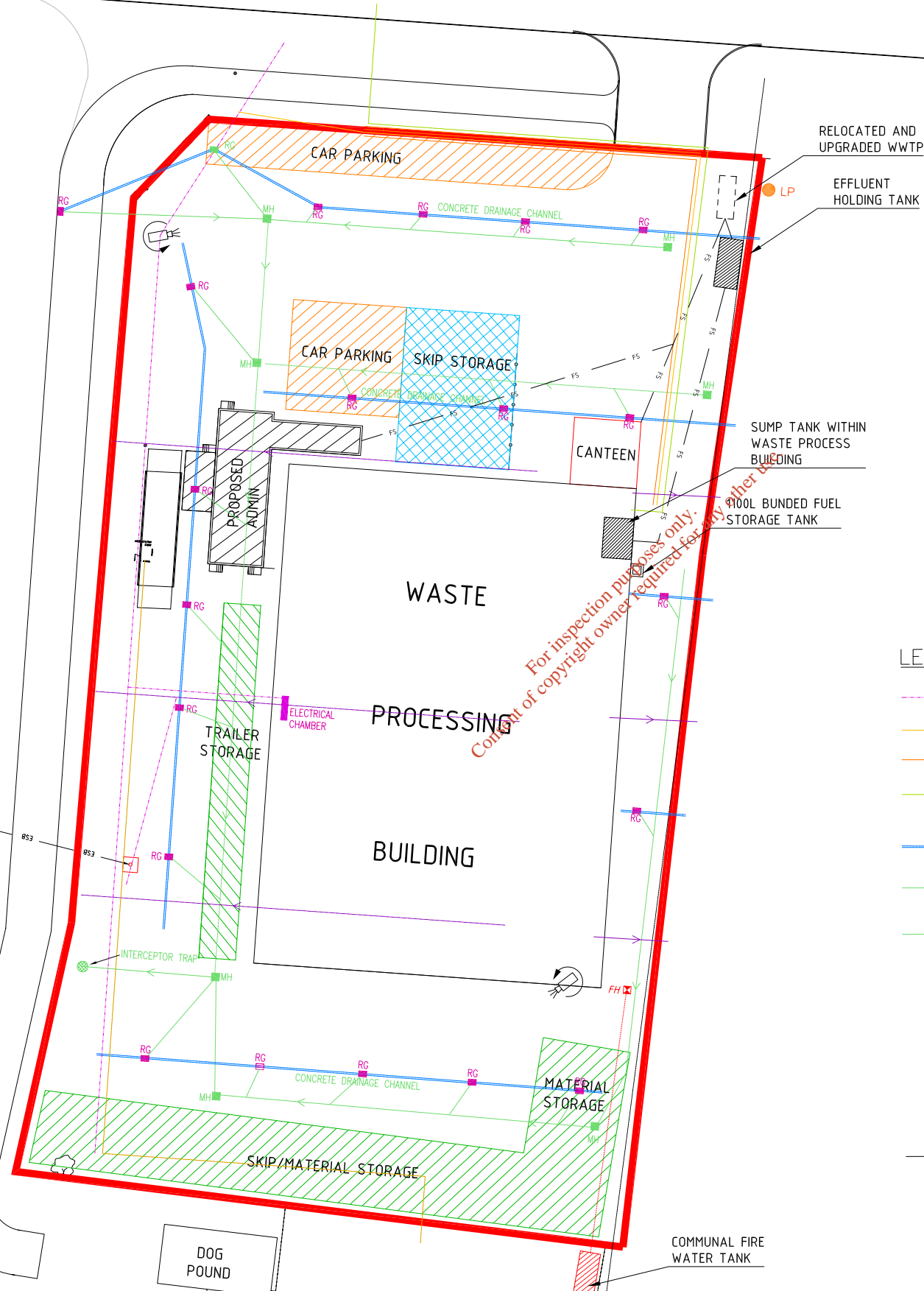
CONSULTANTS IN ENGINEERING & ENVIRONMENTAL SCIENCES

Core House, Pouladuff Rd, Cork, Ireland.
 T: +353-21-4964133, F: +353-21-4964464

Mill House, Ashtown Gate, Navan Rd, Dublin 15, Ireland.
 T: +353-1-6583500, F: +353-1-6583501

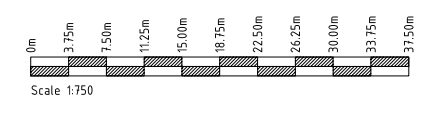
W: www.fehilytimoney.ie, E: info@ftco.ie

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- LEGEND:**
- 125mm E.S.B. DUCTING
 - 50mm E.S.B. DUCTING
 - 100mm E.S.B. DUCTING
 - 1/2" WATERMAIN (FROM BALLINAGAR GROUP WATER SCHEME)
 - RG SURFACE WATER DRAINAGE CHANNEL
 - MH 150mm SURFACE WATER SEWER TO INTERCEPTOR
 - FH 225mm SURFACE WATER SEWER
 - CAST IRON ROAD GULLEYS
 - MANHOLE
 - ⊠ FIRE HYDRANT
 - WATER STORAGE TANKS & FIRE MAIN
 - FS PROPOSED FOUL SEWER
 - ⦿ SECURITY CAMERAS

SITE PLAN
Scale 1:750



Rev. A	Drawn	MM	Checked	ME	App'd	DOS	Cork	05.09.08	ISSUE FOR WASTE LICENCE
Rev.	Drawn	MM	Checked	ME	App'd	DOS	Cork	05.09.08	ISSUE FOR WASTE LICENCE

Name of Client
 ADVANCED ENVIRONMENTAL SOLUTIONS

Name of Job
 AES TULLAMORE

Title of Drawing
 SITE SERVICES ON PROPOSED LAYOUT

Scales Used
 1:750
Dwg. No.
 2008-628-01-100-009
Rev.
 A

FEHILY TIMONEY & COMPANY
 CONSULTANTS IN ENGINEERING & ENVIRONMENTAL SCIENCES
 Core House, Pouladuff Rd, Cork, Ireland.
 T: +353-21-4964133, F: +353-21-4964464
 Mill House, Ashdown Gate, Navan Rd, Dublin 15, Ireland.
 T: +353-1-6583500, F: +353-1-6583501
 W: www.fehilytimoney.ie, E: info@ftco.ie

ATTACHMENT E EMISSIONS

Figures 2.3 and 2.4 of the EIS indicate the location of the existing and proposed emission points at the AES Ltd. Cappancur facility.

Attachment E.1 Emissions to Atmosphere

Emissions to the atmosphere are described in Section 3.4 of the EIS.

Attachment E.2 Emissions to Surface Water

Emissions to Surface Water are outlined in Section 5 of the EIS.

Attachment E.3 Emissions to Sewer

Not Applicable.

Attachment E.4 Emissions to Groundwater

There will be no direct discharges to groundwater.

Attachment E.5 Noise Emissions

Noise emissions from the proposed development are addressed in Section 3.2 of the EIS.

Attachment E.6 Environmental Nuisance

Control of environmental nuisance is discussed in Section 2 & 3 of the EIS.

ATTACHMENT F CONTROL & MONITORING

Attachment F.1 Emissions and Abatement

To Atmosphere

Details of air abatement controls are outlined in Section 3.4 of the EIS.

To Surface Water

Please refer to Section 5 of the EIS.

Attachment F.2 – F.9 Monitoring and Sampling Points

The parameters to be monitored at the site include groundwater, noise, air quality and surface water quality. The monitoring methods and frequencies proposed in this section are for those monitoring points which will remain in place at the site during its operation. It should be noted that some of the proposed monitoring point locations differ to those used under W104-01 for existing operations at the site. The reasons for these alternate locations are outlined in Section 2.4 of the EIS. Drawing No. CE08-628-01-100-005 indicates the locations of the proposed emission and monitoring points.

Environmental monitoring will be undertaken by either AES staff or a competent environmental scientist(s) contracted by the applicant. This person(s) will be responsible for ensuring that sampling is undertaken in compliance with EPA protocols. The results and interpretative report will be prepared on a basis specified by the new licence for the facility and submitted in a manner suitable for presentation to the EPA.

Sampling protocols including Standard Operating Procedures (SOP) and QA/QC data will be supplied to the Agency as part of the monitoring programme. Where laboratories are used for analysis, the methods, SOPs, Chain of Custody Information and QA/QC information will be submitted to the EPA as part of the reporting procedure.

Attachment F.2 Air

Refer to Section 3.4 of the EIS.

Attachment F.3 Surface Water

Refer to Section 5 of the EIS.

Attachment F.4 Sewer Discharge

Not applicable.

Attachment F.5 Groundwater

Refer to Section 4 of the EIS.

Attachment F.6 Noise

Refer to Section 3.2 of the EIS.

Attachment F.7 Meteorological Data

Refer to Section 3.4 of the EIS.

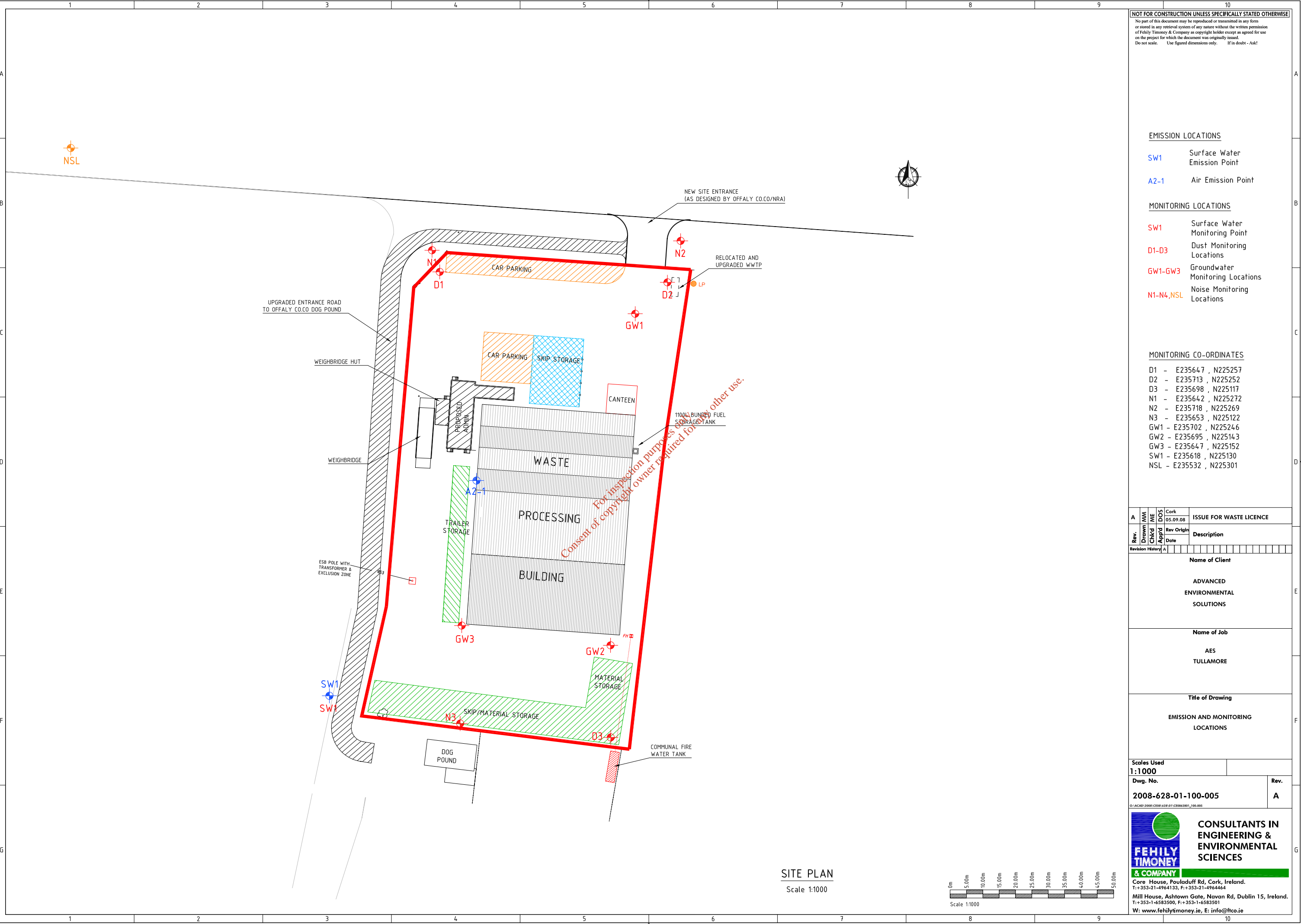
Attachment F.8 Leachate

Not Applicable.

Attachment F.9 Landfill Gas

Not Applicable.

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EMISSION LOCATIONS

- SW1 Surface Water Emission Point
- A2-1 Air Emission Point

MONITORING LOCATIONS

- SW1 Surface Water Monitoring Point
- D1-D3 Dust Monitoring Locations
- GW1-GW3 Groundwater Monitoring Locations
- N1-N4, NSL Noise Monitoring Locations

MONITORING CO-ORDINATES

- D1 - E235647 , N225257
- D2 - E235713 , N225252
- D3 - E235698 , N225117
- N1 - E235642 , N225272
- N2 - E235718 , N225269
- N3 - E235653 , N225122
- GW1 - E235702 , N225246
- GW2 - E235695 , N225143
- GW3 - E235647 , N225152
- SW1 - E235618 , N225130
- NSL - E235532 , N225301

Rev.	Drawn	Checked	App'd	Rev Origin	Date	Description
A	MM	WE	DOB	Cork	05.09.08	ISSUE FOR WASTE LICENCE

Name of Client
 ADVANCED ENVIRONMENTAL SOLUTIONS

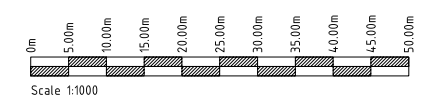
Name of Job
 AES TULLAMORE

Title of Drawing
 EMISSION AND MONITORING LOCATIONS

Scale Used	1:1000
Dwg. No.	2008-628-01-100-005
Rev.	A

FEHILY TIMONEY & COMPANY
 CONSULTANTS IN ENGINEERING & ENVIRONMENTAL SCIENCES
 Core House, Pouladuff Rd, Cork, Ireland.
 T: +353-21-4964133, F: +353-21-4964464
 Mill House, Ashdown Gate, Navan Rd, Dublin 15, Ireland.
 T: +353-1-6583500, F: +353-1-6583501
 W: www.fehilytimoney.ie, E: info@ftco.ie

SITE PLAN
 Scale 1:1000



ATTACHMENT G. RESOURCE USE AND ENERGY EFFICIENCY

Attachment G.1 Raw Materials and Product

Table G.1 outlines the raw materials and energy which are consumed at the facility on an annual basis.

Water supply to the site is through the local Ballinagar private group water scheme. Usage is not metered at present and the figures presented are best estimates.

Table G.1: Raw Material Consumption per Annum (2007) – AES Cappancur

Resource	Quantities
Diesel Oil	62,400 Litres
Electricity	238,380 kWh
Water (estimate)	3,000 m ³

Table G.2 outlines the estimated quantities of raw material which will be used at the facility in the event of intensification of waste acceptance activities.

Table G.2: Estimated Raw Material Consumption per Annum*

Resource	Quantities
Diesel Oil	71,760 Litres
Electricity	274,137 kWh
Water (estimate)	3,450 m ³

* based on 15% increase

Attachments G.2 Energy Efficiency

Under the existing waste licence for the facility (W104-01), an energy efficient audit was not specified. AES Ltd. realise that a reduction of energy usage onsite would be of benefit and an energy efficient audit will be carried out annually.

ATTACHMENT H – MATERIALS HANDLING

Attachment H.2 Waste Acceptance Procedures

Section 2 of the EIS and Attachment D.2 details the waste acceptance procedures for the facility.

Attachment H.3 Waste Handling

Section 2 of the EIS and Attachment D.2 details the waste handling for the waste facility.

Attachment H.4 Waste Arisings

Small quantities of municipal waste will be generated in the canteen and on-site offices. This waste will be processed through the provisions in site operations. Any residual waste generated will be sent off-site to an appropriate licenced facility.

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ATTACHMENT I - EXISTING ENVIRONMENT AND IMPACT OF THE ACTIVITY

Attachment I.1 – Assessment of Atmospheric Emissions

Section 3.4 of the EIS assesses the existing air quality and the potential impacts of the proposed environment.

Attachment I.2 – Assessment of impacts of surface water discharges on the receiving waters

Section 5 of the EIS assesses the existing quality of receiving surface waters in the vicinity of the site and the potential impacts of the proposed environment.

Attachment I.3 – Assessment of Impact on receiving sewer

Not applicable.

Attachment I.4 – Assessment of impact of groundwater and soils

Section 4 of the EIS assesses the geology and hydrogeology in the existing environment and the potential impacts of the proposed environment.

Attachment I.5 – Ground and/or groundwater contamination

Sections 4 of the EIS assess the geology and hydrogeology in the existing environment and the potential impacts of the proposed environment.

Attachment 1.6 – Noise Impacts

Section 3.2 of the EIS assesses noise levels in the existing environment and the potential noise impacts of the proposed environment.

Attachment I.7 – Assessment of Ecological Impacts and Mitigation Measures

Section 7 of the EIS provides detail on the ecological assessment that was carried out at the facility.

ATTACHMENT J - ACCIDENT PREVENTION AND EMERGENCY RESPONSE

Attachment J.1 – Accident Prevention and Emergency Response

Accident Prevention and Emergency Response procedures are included in the Environmental Management System (EMS) included in Attachment C.2.1. This was submitted to the Agency in July 2008.

The relevant sections of the EMS are;

- ERP 1.0 Emergency Response Procedure
- ERP 2.0 Spill Clean Up Procedure
- ERP 3.0 General Fire/Explosion Procedure
- ERP 4.0 Flooding Procedure
- ERP 5.0 Malicious Damage Procedure
- ERP 6.0 Unforeseen Emergency Procedure

Public liability insurance to the value of €13 million is in place through Bord na Mona PLC which also includes the operations of Advanced Environmental Solutions (Ireland) Ltd. A copy of the public liability insurance is included in Attachment J.1.1

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Attachment J.I.1 - Public Liability Certificate

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Metropolitan Building
James Joyce Street
Dublin 1
Tel: +353 1 266 6000
Fax: +353 1 266 6620
www.aon.ie

TO WHOM IT MAY CONCERN

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: € 13,000,000
Insurer: Lloyds Underwriters
Expiry Date: 31st March 2009
Policy No: To Be Allocated

B: Employers Liability


Limit: € 25,000,000
Insurer: Lloyds Underwriters
Expiry Date: 31st March 2009
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: MF569532107

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: 266 6422
E-mail: graham_porter@aon.ie

ATTACHMENT K - REMEDIATION, DECOMMISSIONING, RESTORATION AND AFTERCARE

An Environmental Liabilities Risk Assessment will be prepared and submitted to the Agency for agreement.

Cessation and Decommissioning of Activity

In the event of cessation of waste transfer activities at the site, AES Ltd. proposes the following closure and restoration measures: -

- AES Ltd will ensure that all waste material is removed off site
- The plant used at the existing site will be removed from the site by AES Ltd.
- Portable structures such as the administration building will be removed from the site
- Road sweeper vehicles will be employed to clean the site
- AES Ltd will remove all office equipment
- The weighbridge facility will be decommissioned and removed, if feasible
- AES Ltd will provide the EPA with at least six months written notice of any intention to close the facility

Aftercare Management Plan – Residuals Management Plan

There are no plans to decommission this facility. To this end, a detailed aftercare management plan has therefore not been prepared. A clean closure plan will be prepared in accordance with the EPA Guidance Notes on Environmental Liabilities Risk Assessments.

If a decision is taken to decommission the facility, the Agency will be notified at least six months in advance of the closure and an aftercare management plan will be prepared and submitted to the Agency within this time period.

Activities at the site are unlikely to result in either groundwater or land contamination and there is no permanent storage of waste on site. All fuels are stored within appropriately banded tanks.

Remediation of the site

The nature of activities that occur at the site will ensure that no remediation of the site will be necessary in the event of closure of the facility.

ATTACHMENT L - STATUTORY REQUIREMENTS

Attachment L.1 – Statutory Requirements

Section 40 (4) of the Waste Management Act 1996, amended by the Protection of the Environment Act 2003, sets out specific criteria of which the Agency must be satisfied before it will consider the granting of a licence;

- (a) any emission from the recovery or disposal activity in question ('the activity concerned') will not result in the contravention of any relevant standard, including any standard for an environmental medium, or any relevant emission limit value, prescribed under any other enactment*

Under the requirements of existing waste licence 104-01, emission limits in relation to noise, dust and surface water are set. Annual Environmental Reports submitted to the Agency have indicated general adherence with these emission limits to date. Occasional exceedances have been observed in relation to dust levels and ammonia levels at a surface water monitoring location.

Mitigation measures, including improved abatement controls have been outlined in the EIS to minimize possible future exceedances.

- (b) the activity concerned, carried on in accordance with such conditions as may be attached to the licence, will not cause environmental pollution*

The information provided in Attachments H.1 – H.4, allied to that provided in Attachments I.1 – I.7, indicates the volumes of waste to be handled at the facility, the means by which it will be handled and the mitigation measures employed to ensure the potential for environmental is minimised or eliminated.

- (bb) if the activity concerned involves the landfill of waste, the activity, carried on in accordance with such conditions, as may be attached to the licence, will comply with Council Directive 1999/31/EC on the landfill of waste*

Waste material accepted at the facility, that is neither recyclable nor recoverable, will be ultimately disposed of at a licenced landfill facility that will comply with the aforementioned Directive

- (c) the best available technology not entailing excessive cost will be used to prevent or eliminate or, where that is not practicable, to limit, abate or reduce an emission from the activity concerned*

The classes of activities under the Waste Management Acts 1996 to 2003 which apply to the proposed facility, as identified in Attachment B.7 of this application, are covered by the BAT Guidance Note – Waste Sector (Transfer) of 2003 as produced by the Agency.

The measures used to prevent, limit, abate or reduce emissions from the facility, as outlined in Attachment F.1, are those recommended in the BAT Guidance Note where applicable.

- (cc) the activity concerned is consistent with the objectives of the relevant waste management plan or the hazardous waste management plan, as the case may*

be, and will not prejudice measures taken or to be taken by the relevant local authority or authorities for the purpose of the implementation of any such plan

The Midlands Waste Management Plan 2005 – 2010 sets a recycling target of 46%, thermal treatment of 37% and landfill disposal of 17% for the region.

The Plan policy (Part 4) sets out specific objectives and targets for the Region for the period 2005 – 2010 in relation to materials recovery facilities and waste transfer facilities (Section 16.6);

- Local authorities shall support the development of additional transfer facilities where they can be shown to be consistent with the overall objectives of the Plan and have regard to good principles of siting
- Local authorities shall ensure MRF's and Waste Transfer Stations are operated in compliance with Waste Permits and the expansion of existing facilities to include pre-treatment technology is supported

It is also stated in Section 16.6 of the Plan that *'it is anticipated that these facilities will be expanded should the demand arise'*.

To this end, the proposed development is in compliance with the objectives of the regional waste management plan.

(d) if the applicant is not a local authority, the corporation of a borough that is not a county borough, or the council of an urban district, subject to subsection (8), he or she is a fit and proper person to hold a waste licence

Refer to Attachment L.2

(e) the applicant has applied with any requirements under section 53

AES has complied with Condition 42 of the existing waste licence 104-01 in relation to financial provisions and aftercare of the facility.

(f) energy will be used efficiently in the carrying on of the activity concerned

Attachment G.2 identifies the issues in relation to energy efficiency at the proposed facility.

(g) any noise from the activity concerned will comply with, or will not result in the contravention of, any regulations under section 106 of the Act of 1992

Attachments E.5 and F.6 of this application identifies the measures by which noise emissions will be controlled and minimised.

(h) necessary measures will be taken to prevent accidents in the carrying on of the activity concerned and, where an accident occurs, to limit its consequences for the environment

Attachment J identifies the means by which accidents, both from an environmental and health and safety point of view will be minimised and controlled in the event of their occurring.

(i) necessary measures will be taken upon the permanent cessation of the activity concerned (including such a cessation resulting from the

abandonment of the activity) to avoid any risk of environmental pollution and return the site of the activity to a satisfactory state

The methods by which the decommissioning, aftercare, remediation and restoration of the facility will be addressed are outlined in Attachment K of this document.

Attachment L.2 Fit and Proper Person

The Applicant (AES Ltd.) has never 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.

Attachment C.1 outlines the applicant's technical knowledge and qualifications.

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