ANNUAL ENVIRONMENTAL REPORT

AES PORTLAOISE WASTE TRANSFER STATION

JANUARY 2011
THROUGH
DECEMBER 2011

Waste Licence Registration Number: W0194-02

Licensee: Advanced Environmental Solutions (AES) Ireland Ltd

Location of Activity: Kyletalesha
Portlaoise
County Laois

Attention: Office of Environmental Enforcement
EPA Headquarters
P.O. Box 3000
Johnstown Castle Estate
Co. Wexford

Prepared by: Bord na Mona

BORD NA MÓNA

AES

REVISION CONTROL TABLE

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	EL	PC	CG	28/03/2012

Client: Bord na Mona

Keywords: Waste Transfer Station, Annual Environmental Report (AER), waste recovery and disposal, environmental monitoring.

Abstracts: This report presents the Annual Environmental Report for AES Portlaoise Waste Transfer Station in Kyletalesha, Co. Laois to the Environmental Protection Agency. The report covers the annual reporting period of 2011.

TABLE OF CONTENTS

APPENDICES

LIST OF TABLES

LIST OF FIGURES

1.0 INTRODUCTION

The Environmental Protection Agency (EPA) issued Advanced Environmental Solutions (Ireland) Ltd. with a Waste Licence for its Waste Transfer Station at Kyletalesha, Portlaoise, Co. Laois (E245 N202) on 30th March 2007. The Waste Licence reference number is W0194-02.

The facility is currently licensed to a maximum of 99,000 tonnes of waste per annum (80,000 tonnes of Non-hazardous household waste, 3,000 tonnes of Non-hazardous industrial sludges, 5,000 tonnes of Hazardous waste (WEEE), 5,000 tonnes of C&D waste and 6,000 tonnes of sewage sludge). The site is located approximately 2km north of Portlaoise town.

In May 2007, Bord na Móna PLC acquired Advanced Environmental Solution (AES) Ireland Ltd., one of Irelands leading waste management companies, which services 5,000 commercial customers and 60,000 domestic customers. The acquisition was a key part of the Bord na Móna PLC's diversification strategy and one which tied in perfectly with the existing Bord na Móna PLC areas of operation.

AES Ireland Ltd. currently operates a network of recycling & transfer facilities throughout Leinster and further afield. These facilities are located in Navan, Co. Meath, Tullamore, Co. Offaly, Portlaoise, Co. Laois, Nenagh, Co. Tipperary and Rosslare, Co. Wexford.

ANUA Environmental was commissioned to prepare and submit the Annual Environmental Report (AER) for the facility in compliance with Condition 11.7 of the Waste Licence.

This report addresses Condition 11.7 of the waste license for the facility which states;

''The licensee shall submit to the Agency, by the 31st March each year, an AER covering the previous calendar year. This report, which shall be to the satisfaction of the Agency, shall include as a minimum the information specified in Schedule F: Annual Environmental Report of this license and shall be prepared in accordance with any relevant guidelines issued by the Agency''.

This report addresses the items listed in Schedule F: Annual Environmental Report of the Waste License for the facility. This AER covers the reporting period from 1st January. 2011 to the 31st December 2011.

Note; waste acceptance at this facility ceased on the 30th September 2011.

1.1 Site Description and Activities

AES operates a Waste License (W0194-02) for its Waste Transfer Station at Kyletalesha, Portlaoise, Co. Laois. Operations at the facility include the receipt of domestic, commercial, industrial and construction waste, which is sorted and segregated for onward recycling / recovery in accordance with the recycling potential. Waste deemed unsuitable for recycling / recovery is segregated and compacted for disposal off-site. The site is located approximately 2km north of Portlaoise town – Figure 1.0.1.

Figure 1.1 Site location map of the AES facility Kyletalesha, Portlaoise, Co. Laois.

The site location map and monitoring location maps are included in Appendix 1.

1.2 Waste Handling Procedure

Normal operational hours of the site are between the hours of 07:30 to 19:00 Monday to Sunday inclusive. Waste is not accepted at the site on Sundays or Bank Holidays.

Current waste acceptance procedures involve the use of a computer based programme, called Integrated Waste System (IWS). The software is linked to the on-site weighbridge and is used for recording of waste quantities accepted on-site. The vehicle registration number, customer and product is inputted into the system and from this detail, the source of waste can be obtained.

Each waste load is visually inspected to ensure that all wastes comply with the requirements of the Waste License, W0194-02. The waste Segregations Manager is responsible for carrying out the waste visual inspections and for maintaining a written record of all loads of waste received on-site.

Within the Recycling Plant Building the waste is sorted according to its recycling potential and is either deemed suitable for further onward recycling / recovery or transported off site for final disposal (non-recoverable waste) to an authorized landfill. Materials commonly accepted for recycling include; Steel / Iron, Cardboard, Newsprint, Timber, Construction & Demolition, Green Waste, Plastic, Glass and Gas Cylinders. Household mixed recyclables are collected and accepted at the facility, waste is sorted and segregated and bailed for further recycling off-site. All waste deemed unsuitable for recycling / recovery is loaded into designated compactor bins, which are sealed and then transported to authorized facilities.

All loads exported off-site are weighed on the weighbridge. An individual weight docket is printed for each waste load.

2.0 EMISSIONS FROM THE FACILITY

Emissions as per Schedule B of the Waste License, W0194-02, relating to energy and the use of the proposed bio-filters are not yet applicable. Surface-water, ground-water, dust and noise monitoring results are discussed in Section 6 of this report.

During the reporting period wastewater was collected from Interceptor tanks and tankered off-site by Enva (WCP-DC-08-1116-01) and taken to their Portlaoise facility for final treatment (W0184-01). A total volume of 31.38 tonnes was removed during the reporting period.

3.0 WASTE MANAGEMENT RECORD

The waste that arrives at the facility may be characterised as follows:

- Household Waste
- Commercial Waste
- Industrial Non-Hazardous Waste
- Construction and Demolition
- Household Hazardous Waste

These waste classifications, subsequent to inspection, can be further categorized as been either suitable for recycling (picking line). Recycling off-site or disposal off-site to authorized disposal facilities. Household hazardous waste in the form of batteries and fluorescent tubing that are accepted to the site are into individual storage skips / areas within the plant and subsequently by authorized contractors for further treatment / disposal. Any materials which are suspect in nature (i.e. hazardous or not acceptable at the facility) are routed to the Waste Quarantine Area within the Recycling Plant for further examination and processing prior to removal off-site for appropriate treatment / disposal by an appropriate hazardous waste contractor.

3.1 Waste Activities carried out at the Facility.

Waste activities carried out at the facility are restricted to those outlined in *Part 1 – Activities Licensed* of the Waste License.

Licensed waste disposal activities, in accordance with the Third Schedule of the Waste Management Acts 1996 to 2008.

Class 6 Biological treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraph 1 to 5 of paragraphs 7 to 10 of this Schedule.

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

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

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

Licensed waste recovery activities, in accordance with the Fourth Schedule of the Waste Management Acts 1996 to 2008.

Class 2 Recycling or reclamation of organic substances which are not used as solvents (including composing and other organic processes) (P).

Class 3 Recycling or reclamation of metals or metal compounds:

Class 4 Recycling or reclamation of other inorganic materials:

Class 9 Use of any waste principally as a fuel or other means to generate energy:

Class 11 Use of waste obtained from 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:

3.2 Waste Quantities and Composition.

The waste summary recorded for this reporting is recorded and presented in Table 3.1 and 3.2 (waste recovered / disposed from the facility).

Table 3.1: Incoming Waste to Kyleteshal Waste Transfer Station	
EWC Code	**Incoming Waste (Tonnes)**
070514 EF	1.46
070514 SB	0.9
150101 BC – Bailed Cardboard	277.56
150101 C – Loose Cadboard	109.3
150101 MX – Mixed Paper and Cardboard	159.02
150102 BPL	75.74
150102 PLB – Bailed Bottles	11.48
150102 PL – Plastic Packaging	16.36
150102 PLW	3.44
150103 – Wood Packaging	142.42
150104	3.08
150105	1.23
150106 – Mixed Packaging	358.5
150107 – Glass Bottles & Jars	198.86
150107 C	64.16
150107 D	40.78
150107 F – Flat Glass	10.54
170107 – Rubble	13.68
170201 – Wood from C&D	402.79
170407 – Steel, Const. Metal, Pipes	130.29
170802 – Plaster Board	16.48
170904 – Mixed C&D	6367.49
180104 – Non Haz. Healthcare Waste	664.9
190116	0.42
190805 – Sludges from WTP	20.48
200101	2.73
200108 – Biodegradable Canteen Waste	3,790.16
200136	3.22
200139 – Hard Plastic	193.45
200140	4.96
200201	15.5
200301 C – Commercial Mixed Waste	8418.72
200301 D – Domestic Waste	4529.45
200301 K – Kirbside Blue Bin Contents	4250.88
200301 NL	14.74
200307	0.35
Grand Total	**30,315.52**

Table 3.2 Outgoing Waste Recovered / Disposed from Kyletalesha Waste Transfer Station				
EWC Code	**Outgoing Waste Vol.**	**Destination Name**	**Destination Address**	**License permit**
15 01 01 BC	240.38	AES Tullamore	Cappincur Industrial Estate, Daingean Road, Tullamore,	W0104-02
15 01 01 C - Cardboard	175.90	AES Tullamore	Cappincur Industrial Estate, Daingean Road, Tullamore,	W0104-02
15 01 02 PLW	67.44	AES Tullamore	Cappincur Industrial Estate, Daingean Road, Tullamore,	W0104-02
15 01 02 PL - Plastic	5.64	AES Tullamore	Cappincur Industrial Estate, Daingean Road, Tullamore,	W0104-02
15 01 03 – Wooden packaging	43.72	Drehid WMF	Killinagh Upper, Carbury, Co. Kildare	W0201-03
15 01 03 – Wooden packaging	176.56	Thorntons	Killeen Rd. Ballyfermot, Dublin 10	W0044-02
15 01 06 –	7.94	AES Tullamore	Cappincur Industrial Estate, Daingean Road, Tullamore,	W0104-02
15 01 07 – Glass packaging	88.28	Glassdon Rec.	52 Creagh Rd., Toomebridge, Co. Antrim	LN/08/103
15 01 07 – Glass packaging	263.36	Glassco	Unit 4, Osberstown Ind Est. Naas, Co. Kildare	WFP-KE08357-01
16 01 03	2.56	Crumb Rubber	Mooretown, Dromiskin, Dundalk, Co. Louth	DC/08/1136/01
17 01 07	1,488	Drehid WMF	Killinagh Upper, Carbury, Co. Kildare	W0201-03
17 01 07	102.47	Laois Landfill	Kyletalesha, Portlaoise, Co. Laois	
17 02 01 -Wood	1174.96	Thornton Rec.	Killeen Rd. Ballyfermot, Dublin 10	W0044-02
17 04 02	6.52	Erin Recycling	Deepwater Quay, Sligo Harbour, Co. Sligo	WP-SO-05-51
17 04 07	296.68	Erin Recycling	Deepwater Quay, Sligo Harbour, Co. Sligo	WP-SO-05-51
17 04 07 – Mixed metals	91	One 51 Rec.	Unit 128/129, Shannon Ind Est, Shannon, Co. Clare	
17 04 11	1.52	One 51 Rec.	Unit 128/129, Shannon Ind Est, Shannon, Co. Clare	
19 12 03	2.82	Erin Recycling	Deepwater Quay, Sligo Harbour, Co. Sligo	WP-SO-05-51
19 12 09 – Sand and Stone	5,086.38	Drehid WMF	Killinagh Upper, Carbury, Co. Kildare	W0201-03
19 12 12 – Mechanical treatment	294.64	Drehid WMF	Killinagh Upper, Carbury, Co. Kildare	W0201-03
19 12 12 – Mechanical treatment	9165.21	Greyhound Rec.	Crag Avenue, Clondalkin Ind Est., Dublin 22	W0205-01
19 12 12 – Mechanical treatment	1922.58	Laois Landfill	Kyletalesha, Portliest, Co. Laois	
19 12 12 – Mechanical treatment	923.04	Enrich	Larchill, Kilcock, Co. Meath	08/004/02
20 01 08 – Biodegradeable Waste	379.98	AES Navan	Clonmagaddan, Proudstown, Navan, Co. Meath	W0131-02
20 01 08 – Biodegradeable Waste	3108.72	O'Toole	Ballintrane, Fennagh, Co.Carlow.	WP01/07
20 01 35WG	0.60	KMK	Cappincur Ind Est., Tullamore, Co. Offaly	W0113-03
20 01 39 – Plastics	18.72	AES Tullamore	Cappincur Industrial Estate, Daingean Road, Tullamore,	W0104-02
20 01 39 – Plastics	134.26	Leinster Env.	Clermont Business Park, Haggardstown, Dundalk, Co.	WP2008/06
20 02 01	10.58	BNM Kilberry	Kilberry, Co. Kildare	W0198-01
20 03 01C – Municipal Waste	41.90	Drehid WMF	Killinagh Upper, Carbury, Co. Kildare	W0201-03

20 03 01C – Municipal Waste	476.94	Laois Landfill	Kyletalesha, Portlaoise, Co. Laois	
20 03 01D -	646.74	Laois Landfill	Kyletalesha, Portlaoise, Co. Laois	
20 03 01K – Municipal Waste	4230.05	AES Tullamore	Cappincur Industrial Estate, Daingean Road, Tullamore,	W0104-02
Grand Total	**30,676.19**			

4.0 RESOURCE AND ENERGY CONSUMPTION

4.1 Resource Consumption Summary

Resources consumed at the Kyletalesha Waste Transfer Station are recorded. During the recording period water usage on-site was not measurable as it is mains supply which is not metered. Rainwater is captured and used for bin washing thought the 2011 period and 78,000 litres was used.

Total Green Diesel Consumption was 53,000 Litres.

The total electrical consumption at the site was 0 kWh during the reporting period. During the same period Wastewater emissions for 2011 were 31.38 tonnes.

4.2 Energy Efficiency Audit Report Summary

To comply with Condition 7.1 of the Waste Licence an Energy Efficiency Audit Report was submitted to the EPA during 2009. In 2011, the findings of the report were implemented, where feasible.

4.3 Water Consumption

As indicate in Section 4.1, as a means of reducing water usage on-site rainwater is captures and used for bin washing. During the reporting period 78,000 litres was captured and used for this purpose.

4.4 Raw Materials Consumption & Waste Generation.

The site has initiated an internal waste awareness campaign. AES have proactively installed recycling bins at every site and dedicated desk trays to collect office paper for recycling to improve the efficiency of the use of raw materials in processes and the reduction in waste generated on-site.

Please refer to the objectives and targets 2012 for further proposals being developed to minimise raw material consumption and waste generation (Table 5.2).

5.0 ENVIRONMENTAL OBJECTIVES & TARGETS

5.1 Progress against Targets for 2011 Table 5.1: Progress against Targets for 2011

Details on progress made against the Targets for 2011 are presented in Table 5.1.

Table 5.1:Progress against Targets for 2011

Ref.	Objective	Target	Progress
1	Waste Minimisation	Re-use where possible materials used on site and import of materials from off site	Achieved
2	Upkeep of Environmental Management System	Maintain EMS to ISO 14001 standard/certification	Achieved
		Implement ISO 9001 at the Facility	Achieved
		Maintain Policy for control of the office waste	Achieved
3	Raise awareness with contractors of Environmental Policy of the site	Contractors Induction	Achieved
4	Environmental Monitoring	Noise, Surface Water, Ground Water and Dust Monitoring	Achieved
5	Environmental Training and Awareness	Continue internal training programme and assessment of training needs for all operational staff during 2011	Achieved
6	Review effectiveness of Nuisance Control measures	For: Litter dust, birds and vermin	Achieved
7	Review outstanding Energy Efficiency Audit recommendations	Assess recommendations and introduce where possible. Investigate and implement possible measures for the reduction of diesel consumption.	Achieved
8	Environmental Compliance	Review licence conditions outlined within W0194-02	Achieved
9	Environmental Auditing	Carrying out audits of the sites outlets to establish environmental compliance	Achieved
10	Vehicle Records	Manvik to take over AES Fleet maintenance, ensure records are maintained on ViewWise	Achieved
11	Roll out of Brown Bin	To continue the roll out of the 3 bin system	Achieved
12	Vehicle Safety/Enviro Procedures	Review the safety and environmental procedures in place in relation to vehicles	Achieved
13	Vehicle Re-Routing	Re-routing of waste collection routes to improve efficiency	Achieved

5.2 Schedule of Objectives and Targets for 2012.

Table 5.2 Proposed Objectives & Targets for 2012				
Ref.	**Objective**	**Target**	**Timescale**	**Respons.**
1	Environmental Monitoring	Noise, Surface Water, Ground Water and Dust Monitoring	Dec-12	ANUA Environmental
2	Review effectiveness of Nuisance Control measures	For: Litter dust, birds and vermin	Ongoing	Team
3	Environmental Compliance	Review licence conditions outlined within W0194-02	Ongoing	EM/PH
4	Planning Permission	Submit of Planning Application to Laois County Council	May 2012	Team
5	Environmental Auditing	Carrying out audits of the sites outlets to establish environmental compliance	Ongoing	EM/SG/LC

A report on the progress against the proposed Objectives and Targets for 2011 will be presented in the AER in 2012.

6.0 SUMMARY OF ENVIRONMENTAL MONITORING

Environmental monitoring at the facility is carried out in accordance with Condition 6 and Schedule C of the Waste License, W0194-02. The following sections 6.1 to 6.3 present the results of monitoring for the year 2011.

The environmental media monitored and the frequencies of monitoring at the facility are as follows;

1) Noise Annually
2) Dust Three times per year
3) Groundwater Bi-annually
4) Storm Water Bi-annually

6.1 Noise Monitoring Report Summary

In compliance with Schedule C4 of the Waste License, W0194-02, noise monitoring at the Kyletalesha Waste Transfer Station was undertaken. Monitoring was carried out on the 6th January 2011 (Report Ref. No. ECS3820).

Noise levels were monitored at 5 monitoring locations, four boundary locations and one noise sensitive location (NSL). The noise monitoring locations are presented in Table 6.1 and are also shown in Appendix 1.

Table 6.1 Noise Monitoring Locations

Map Reference No.	Location Type	Location
N1	Boundary	North East corner of site, directly beside the dust gauge.
N2	Boundary	North West corner of site, directly beside the dust gauge.
N3	Boundary	South East corner of site, beside the portacabin.
N4	Boundary	South West corner of site, to the right of the entrance gate.
N5	Noise Sensitive Location	Private dwelling (Approx. 500m East of site).

Table 6.2 Noise Results 6th January 2011						
Location	**Duration (mins)**	**Time**	**LAeq dB**	**LAF10 dB**	**LAF90 dB**	**LAFmax dB**
N1	30	10:22 – 10:52	53	56	50	71
N2	30	10:52 – 11:22	55	57	52	71
N3	30	9:17 – 9:47	55	59	47	72
N4	30	09:48 – 10:18	**65**	65	43	93
N5 (NSL)	30	11:28 – 11:58	53	57	39	68

Results highlighted in **red bold** text represent an exceedence of waste licence limits.

The main sources of noise, within the facility, originated from trucks loading and unloading waste bins, machinery operating in the AES yard and recycling sheds and the intermittent beeping of reversing machinery. No tonal noise was detected from the boundary monitoring locations.

N4 is located at the south east corner of the site, to the right of the entrance gate. The LAeq level recorded at N4 was 65 dB(A). As this monitoring location is in close proximity to the facility entrance, the SPL recording was subject to noise created by traffic entering/exiting the facility on an intermittent basis. This is also demonstrated by the significant difference between the event (LA10=65dBA) and background (LA90=43dBA) noise. This noise monitoring location was also subject to noise created by the on-site diesel generator (15m) which was operating continuously throughout the monitoring period. Other sources of noise included a loading shovel and excavator operating continuously in the reception shed (Approx. 20m and 60m respectively) and passing traffic on a the Kyletalesha road (8m), which was audible but not visible. No tonal noise was detected at this monitoring location. It is also worth noting that there are no nearby NSL's located directly south east the site and that the south east of the site is bounded by a forestry land.

It is also worth considering that all boundary locations were monitored within the boundary walls. The facility is surrounded by a 10ft high mass concrete wall on the north-west and south-western boundaries. It can be reasonably assumed that these barriers will significantly reduce noise emissions to surrounding environs.

The dominant source of noise detected at the NSL was passing traffic (cars, vans, jeeps and lorries). Activity from the AES facility was for the most part not audible from this location (only occasional reversing alarms faintly audible). The LAeq recorded (53 dB) does not exceed the EPA guideline limit. No tonal noise was detected at this monitoring location.

AES have received approval from the Agency to reduce the frequency of noise monitoring at the site from quarterly to annually, as a result of the site closing on the 30th September 2011.

6.2 Ambient Monitoring Report Summary

In compliance with Schedule C.5 of the Waste License, W0194-02, dust monitoring at the Kyletalesha Waste transfer Station was undertaken. Monitoring was carried out three times during the reporting period.

There are three dust monitoring locations on site, and are detailed in Table 6.3 below and are also shown in Appendix 1.

Table 6.3 Dust Monitoring Locations

Monitoring Location	Description
D1	South eastern corner of the facility
D2	North western corner of facility
D4	Northern corner of the facility (beside entrance)

Three dust sample jars were installed for a 29 day period; 6th Jan. – 4th Feb (Round 1), for a 31 day period 10th May – 10th June (Round 2) and finally for a 31 day period 5th July – 5th August 2011 (Round 3). The results for the monitoring are presented in Table 6.4 below.

Table 6.4 Dust Monitoring Results (mg/m^2/day)

Report Ref.		ECS3820	ECS3931	ECS3980
Monitoring Location	Dust Depositional Limit	Deposition Rate 6th Jan-4th Feb Round 1	Deposition Rate 10th May-10th Jun Round 2	Deposition Rate 5th Jul-5th Aug Round 3
D1	350	203	**505**	311
D2	350	134	128	194
D4	350	52	117	239

Note 1: Result highlighted in bold represent exceedance of license limits.

As can be seen in Table 6.4, all dust depositional results were within the Waste License Limit (350 mg/m^2/day) for the 1st and 3rd round of monitoring of 2011. However during the second round of monitoring, location D1 exceeded the Waste License Limit.

It was concluded that the exceedence at location D1 (beside facility entrance) was due to passing traffic on the nearby country road as well as traffic entering/exiting (3 meters) the AES facility. Small pieces of grit (sand etc.) from the road surface may become entrained in the air as a result of passing traffic giving rise to dust creation. This type of dust is typically heavy in nature, as does not tend to travel far due to gravitational force.

6.3 Wastewater discharges to Groundwater monitoring Report Summary

In compliance with the requirements of Waste License W0194-02, an assessment of waste-water discharges following treatment prior to discharge from Kyletalesha Waste Transfer Station is required.
There is one wastewater discharge monitoring location on-site, as detailed in Table 6.5 are also shown in Appendix I.

Table 6.5 Wastewater Discharges to Groundwater Monitoring Location

Monitoring Location	Description
SE-1	Northern corner of facility

During 2010 the AES facility ceased using the Puraflow treatment tank. All waste water is now tankered off-site for final disposal. As there a no longer any emissions to groundwater, it was not possible to take the waste-water discharge sample for 2011.

6.4 Surface-water / Storm-water monitoring report summary.

In compliance with the Schedule C.2 of the Waste License, W0194-02, an assessment of surface-water emissions from Kyletalesha Waste Transfer station was undertaken on a bi-annual basis.

Surface-water was collected from the four monitoring locations on-site as detailed in Table 6.7 and in Appendix 1.

Table 6.7 Surface-water monitoring locations

Ref.	Description
SW-1	Located beside Knackery
SW-6	Discharge point, between SW-1 & SW-2
SW-2	Located immediately downstream of weir and discharge point
SW-4	Located downstream of AES opposite entrance

Sampling location SW-6 (Discharge Point) located midway between the Knackery and the AES facility was not monitored as the discharge pipe from the facility has been stoppered with an inflatable bung. All waste-water from the site is now collected and tankered off site for final disposal.

Monitoring was conducted on the 10th January (Report Ref. ECS3820) and the 5th July 2011 (Report Ref. ECS3980), and the results are presented in Table 6.8.

Table 6.8: - Surface-Water Monitoring Results						
Parameter	**SW-1** 10/1/11	**SW-1** 5/7/10	**SW-2** 10/1/11	**SW-2** 5/7/10	**SW-4** 10/1/11	**SW-4** 5/7/10
Report Ref	ECS3820	ES3980	ECS3820	ES3980	ECS3820	ES3980
pH (pH units)	7.2	7.6	7.2	7.6	7.3	7.7
Conductivity (us/cm)	3,090	3,340	2469	3340	910	1322
Visual insp.	Yellow, Some S.S	Yellow, few S.S.	Yellow, Some S.S	Yellow, few S.S.	Light Yellow, some S.S	Light Yellow, few S.S.
Odour	Strong Odour	Faint odour (unknown)	Strong Odour	Faint hydrocarbon odour	No Odour	Faint earthy odour
BOD (mg/l)	18	7	114	10	15	4
COD (mg/l)	100	24	288	42	84	<10
Suspended Solids (mg/l)	25	21	68	44	7	19
Oils, Fats, Greases (mg/l)	9	1	11	1	8	2
Ammonia (mg/l)	69	98	33	94	12	28
Total N (mg/l)	70	103	39	99	15	30
Total P (mg/l)	0.86	0.24	1.01	2.04	0.18	0.3

As can be seen from Table 6.8, the water quality at monitoring location SW-1 located upstream of the AES facility in Kyletalesha is considerably polluted. However the key indicator parameters show a considerable decrease downstream (SW-4) of the AES facility compared to upstream, including; BOD, COD, Ammonia and Conductivity. It is therefore reasonable to conclude that the AES site is not further impacting on the stream surrounding the facility

6.5 Tank and Pipeline Testing & Inspection Reports

In accordance with the requirements of the Waste License (W0194-02), AES is required to conduct a Bund Integrity test as stipulated under Condition 6.9;

Condition 6.9 of the Waste License states;

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

The bund integrity test is due to be carried out in the 2012 reporting period.

6.6 Environmental Management Programme

The Environmental Management Programme (EMP) form part of the objectives and Targets for the facility, presented in Tables 5.1 & 5.2. Specifically it is proposed for the coming year:

- To maintain continue environmental monitoring in compliance with Waste Licence W0194-02.
- To review Licence conditions outlined within W0194-02.
- To review the effectiveness of nuisance control measures; dust, birds and vermin.
- Submit a Planning Application to Laois County Council to regularise activities on-site.
- Carry out regular audits of site to ensure compliance with Licence conditions.

7.0 SITE DEVELOPMENT/INFRASTRUCTURAL WORKS

7.1 Current Infrastructure in Place

The facility is currently licensed to accept a maximum of 99,000 tonnes of waste per annum, (80, 000 tonnes of non-hazardous household waste, 3,000 tonnes of non-hazardous industrial sludges, 5,000 tonnes of hazardous waste (WEEE), 5,000 tonnes of C&D waste and 6,000 tonnes of sewage sludge).

7.2 Site Development Works during 2011 and Proposed for 2012.

There were no site development works during 2011, and the site closed on 30th September 2011. It is proposed to apply to Laois County Council to gain planning permission to re-open the site. Currently there are no proposed site development works for the coming year (2012).

8.0 ENVIRONMENTAL LIABILITIES (FINANCIAL PROVISIONS)

The environmental liabilities are those considered to be restricted to the confines of the facility, therefore, any costs incurred in addressing same will be limited to removal and safe disposal of waste remaining on-site following an emergency event (e.g. fire or spillage) or the decommissioning and closure of the site. Such environmental liabilities cover should account for the cost of the clean up and removal of the maximum amount of waste that my be stored on site at any given time.

AES and Bord na Mona (parent company) have arranged insurance to cover the liability arising from damage to property and injury to parties as a result of sudden and unforeseen environmental impairment. AES have insurance cover for Business Interruption and have adequate reserves for the cost of removing the maximum amount of waste that may be stored on-site at any given time and to ensure that said material is transported to an authorised and capable facility.

In the unlikely event of full decommissioning, financial reserves are available to allow a formal surrender of the licence ensuring that the inherent environmental safeguard associated with this regulatory process is activated.

9.0 INCIDENTS AND COMPLAINTS

9.1 Complaints Summary

The facility received no complaints during the reporting period.

9.2 Reported Incidents Summary

The facility had one notifiable incident during the reporting period;
- Incident notified to the Agency:
1. Quarter 1 Noise exceedence at location N4, on the 6th Jan 2011.

9.3 Accident Prevention and Emergency Response

Condition 9.3 of the Waste Licence states:

''The licensee shall ensure that a documented Accident Prevention Procedure is in place which will address the hazards on-site, particularly in relation to the prevention of accidents with a possible impact on the environment. This procedure shall be reviewed annually and updated as necessary''.

Condition 9.2 of the Waste Licence states:

''The licensee shall maintain a documented Emergency Response Procedure for the facility, which shall address any emergency situation which may originate on-site. This Procedure shall include provision for minimising the effects of any emergency on the environment. This procedure shall be reviewed annually and updated as necessary''.

The accident prevention and emergency response has been prepared for the following:

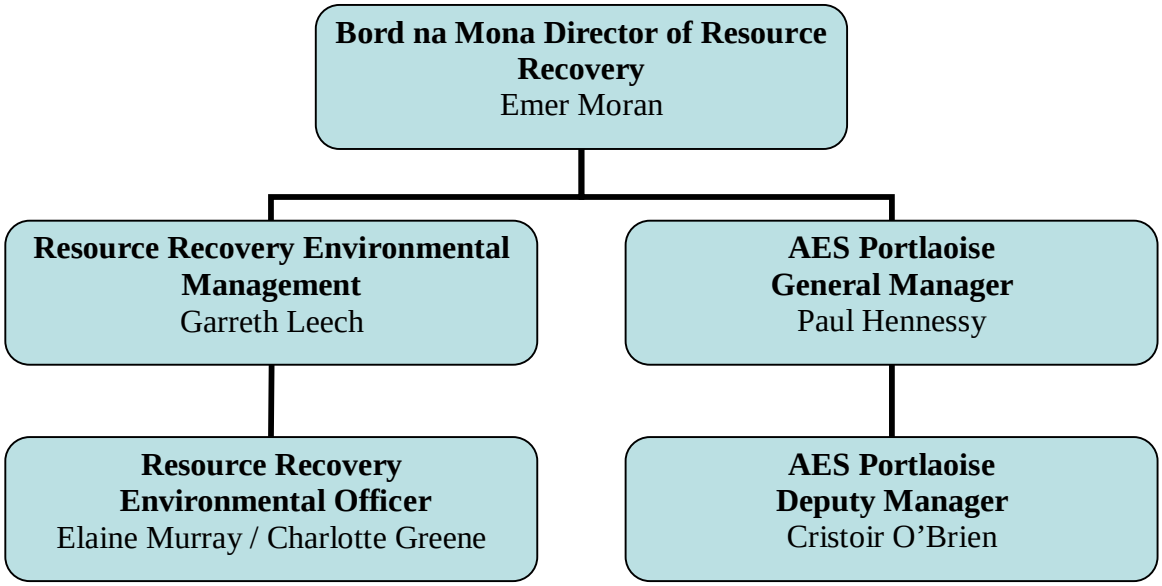
- EP-ERP-01_General Emergency Preparedness & Response.doc
- EP-ERP-02_Spill Clean Up Procedure.doc
- EP-ERP-03_Fire Explosion Procedure.doc
- EP-ERP-04_Malicious Damage Procedure.doc
- EP-ERP-05_Unforeseen Emergencies & Fugitive Emissions.doc

These documents are included in full in Appendix 2.

10.0 FACILITY MANAGEMENT

10.1 Managing Staffing Structure

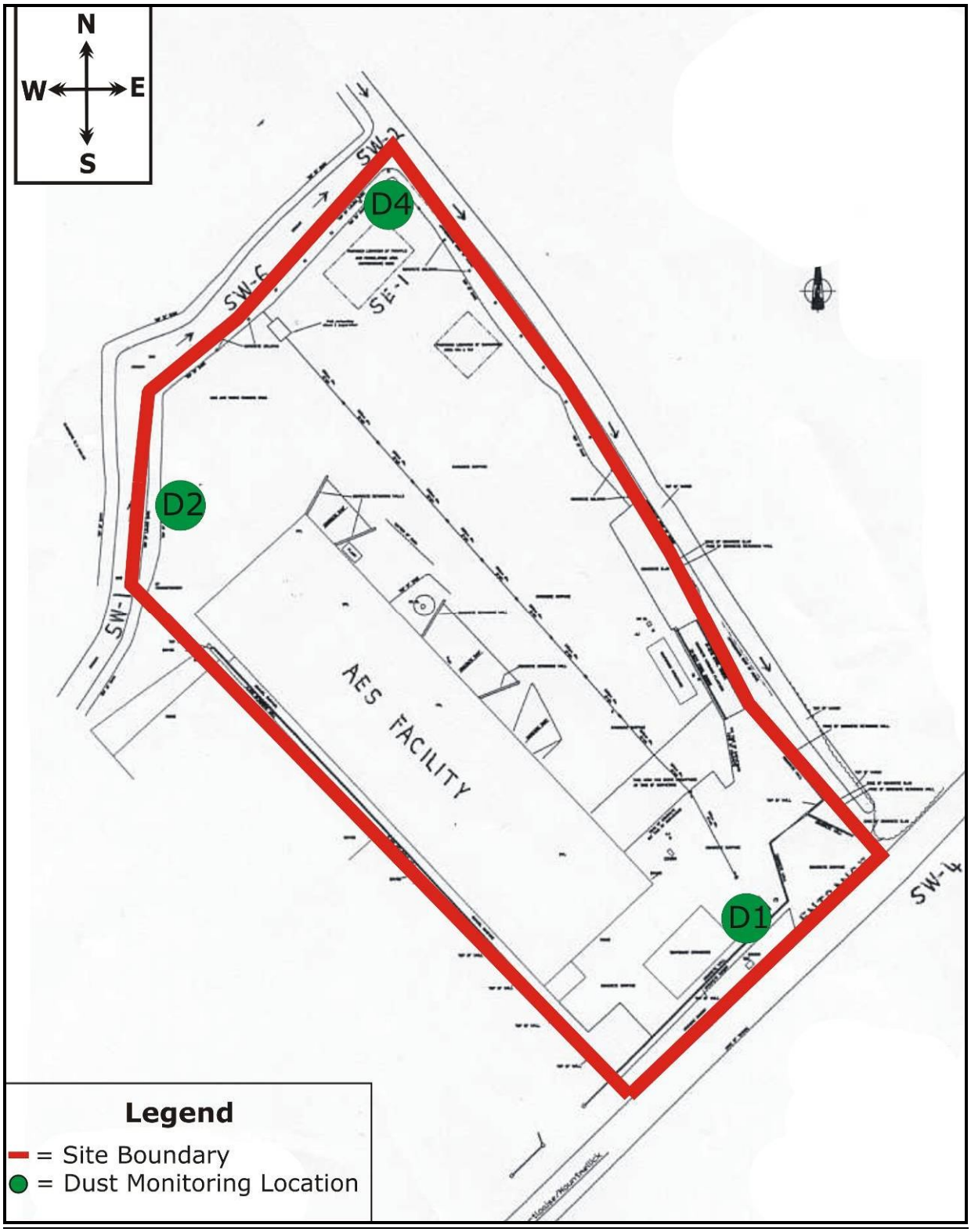
The management and staffing structure for the facility is presented in Figure 10.1

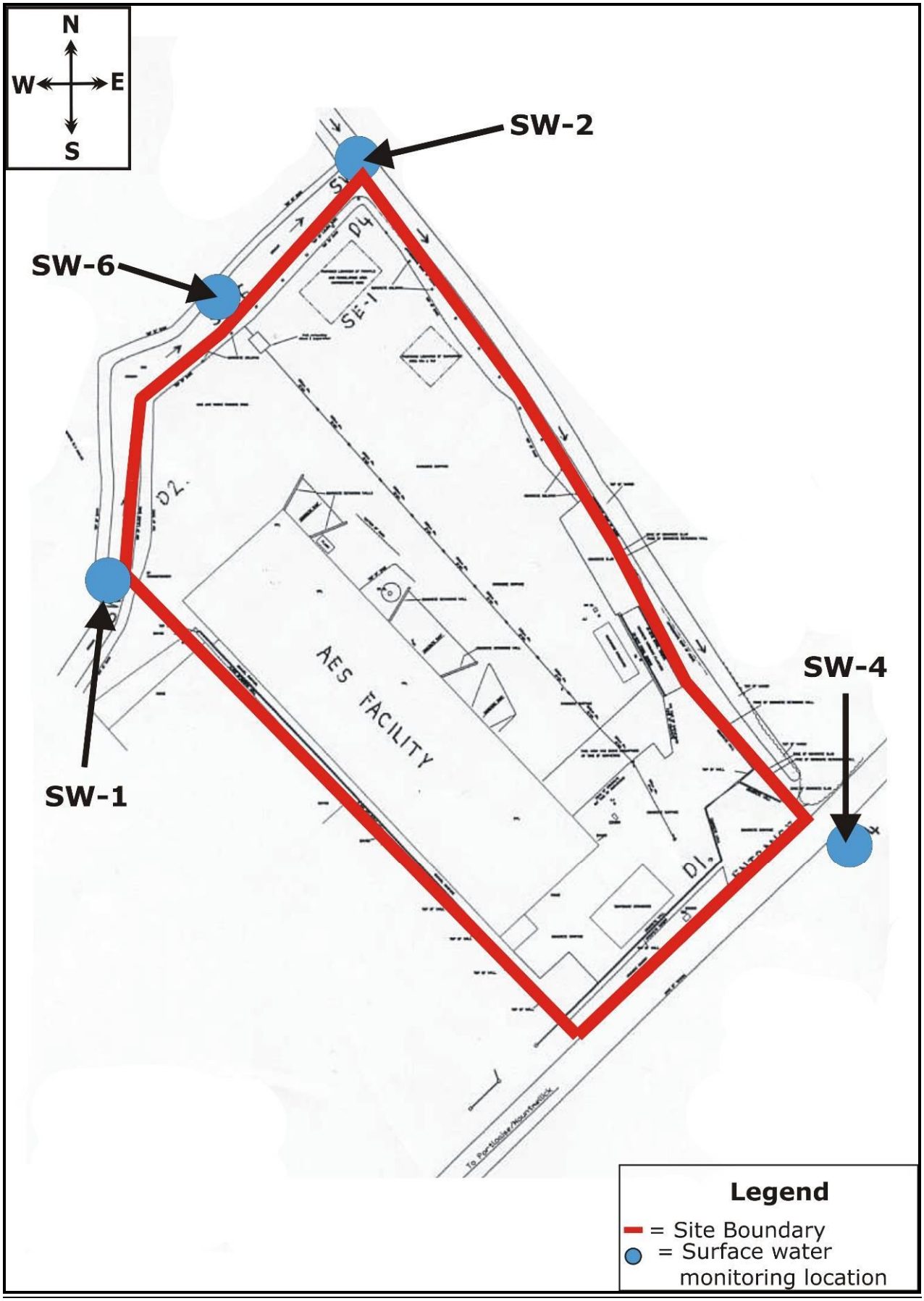


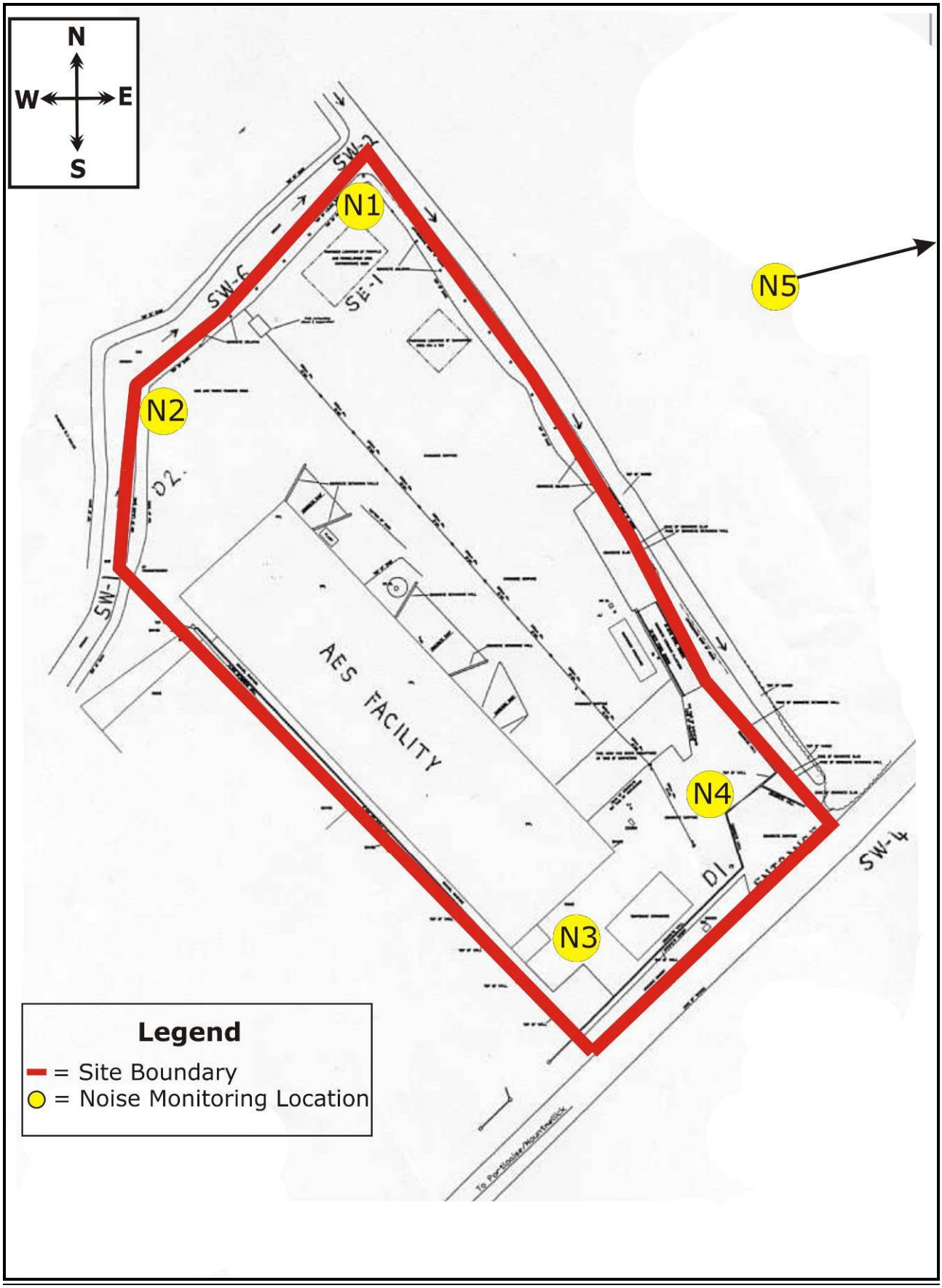
APPENDIX 1

Maps of Site Location & Monitoring Locations


N
W
E
S
Site Location
Clonreher
Rossleaghan
Castle
Kyle Br
Ballytegan
Borris Great
Motte
Derrygarran
Rathéven
Kilminchy
Ballyroan
Pallas Cross Rds
Pallas Big
Clonroosk
Maryborough
Borris Little
Br.Ht. 3.00m
Br.Ht. 4.37m
Br.Ht. 4.11m
Monevballytyrrell
Prison
Hosp
Fire Stn
Beladd
Ballymooney
Aqueduct
Boghlone Br
Clonroosk Little
Govt Bldgs
Portlaoise Ind Est
Summerhill or Aghnaharna
Kylekiproe
Conniberry Junction
Kylegrove
Knockmay
Clonminam
PORTLAOISE
Port Laoise
Downs
Ballina
Boghlone
Clonboyne
Togh
Curriersbog
Meelick
Rathleague
Ridge of Maryborough
Bord na Mona Technical Services
Ordinance Survey Ireland Licence No.EN0035610
(C)Ordinance Survey Ireland Government of Ireland


N
W
E
S
D4
D2
D1
SW-1
SW-2
SW-4
SW-6
SE-1
AES FACILITY
Legend
= Site Boundary
= Dust Monitoring Location


N
W
E
S
SW-2
SW-6
SW-1
SW-4
AES FACILITY
SE-1
D2
D4
D1
Legend
= Site Boundary
= Surface water monitoring location


N
W
E
S
N1
N2
N3
N4
N5
SW-2
SW-6
SE-1
D2
SW-1
AES FACILITY
D1
SW-4
Legend
= Site Boundary
= Noise Monitoring Location

APPENDIX 2

Accident Prevention & Emergency Response

Emergency Response Plan		Document: EP 5.0-ERP-01
Document Approved by: Site Manager	AES ADVANCED ENVIRONMENTAL SOLUTIONS IRELAND **AES Portlaoise** Emergency Response Plan	Revision: 0 Issue Date: 10/07/09 Page: Page 1 of 3
Title **General Emergency Preparedness & Response**		

Purpose: To identify the potential for, and to respond to, accidents and emergency situations, and to prevent and mitigate the environmental impacts that may be associated with them.

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

References:
EP 5.0 Emergency Preparedness and Response
EPL 5.1 Emergency Contact List
EP 6.0 Environmental Incident Investigation and Reporting
EP 7.0 Non Conformance Procedure
EP 8.0 Corrective and Preventive Action Procedure
Emergency Plan
Safety Statement
Material Safety Data Sheets

Incident Contact List:

Emergency Contact List for AES Portlaoise			
Service / Agency	**Address**	**Telephone Numbers**	**Fax / e-mail**
EPA Regional Inspectorate	Seville Lodge Callan Road Kilkenny	056-7796700	056-7796798 info@epa.ie
Laois County Council	Aras an Chontae, Portlaoise, Co. Laois	057-866400	057-822313
Southern Regional Fisheries Board	Anglesea Street Clonmel, Co. Tipperary	052-80055	052-23971 enquiries@srfb.ie
Eastern Regional Fisheries Board	15a Main Street, Blackrock, Co. Dublin	01-2787022	01-2787025 info@erfb.ie

Emergency Response Plan		Document: EP 5.0-ERP-01
Document Approved by: Site Manager	AES ADVANCED ENVIRONMENTAL SOLUTIONS IRELAND **AES Portlaoise** Emergency Response Plan	Revision: 0 Issue Date: 10/07/09 Page: Page 2 of 3
Title **General Emergency Preparedness & Response**		

Procedure:

1. An Emergency Plan is prepared and maintained by AES Portlaoise. This Plan details any emergency situation which could occur on site and the proposed response should this emergency occur. The Emergency Plan details procedures for the following occurrences:

Reference	Description
ERP 02	Spill Clean-up Procedure
ERP 03	Fire / Explosion Procedure
ERP 04	Malicious Damage Procedure
ERP 05	Unforeseen Emergencies

2. Should an emergency situation occur, the relevant response procedure documented within the Emergency Plan is implemented. Each procedure details the emergency situation, the proposed response should this emergency occur and the potential environmental impacts of this occurrence.

3. The Site Manager shall assume the role of Site Incident Controller, with responsibility for
   (i) assessing the scale of the incident
   (ii) informing emergency services
   (iii) directing rescue and fire-fighting operations.

   In the absence of the Site Manager, the Deputy Site Manager shall assume the role of Site Incident Controller.

4. Following an emergency, the Site Manager (or in his/her absence Deputy Site Manager) shall record the details of the incident. Environmental Incident Investigation and Reporting Form EPF 6.1 shall be completed which is located within the procedure for Environmental Incident Investigation and Reporting (EMS Environmental Procedure EP 6.0). Following the environmental incident, appropriate procedures shall be implemented accordingly i.e. Environmental Incident Investigation and Reporting Procedures EP 6.0, Environmental Non-

Conformance Procedures EP 7.0 and Environmental Corrective and Preventative Action Procedure EP 8.0.

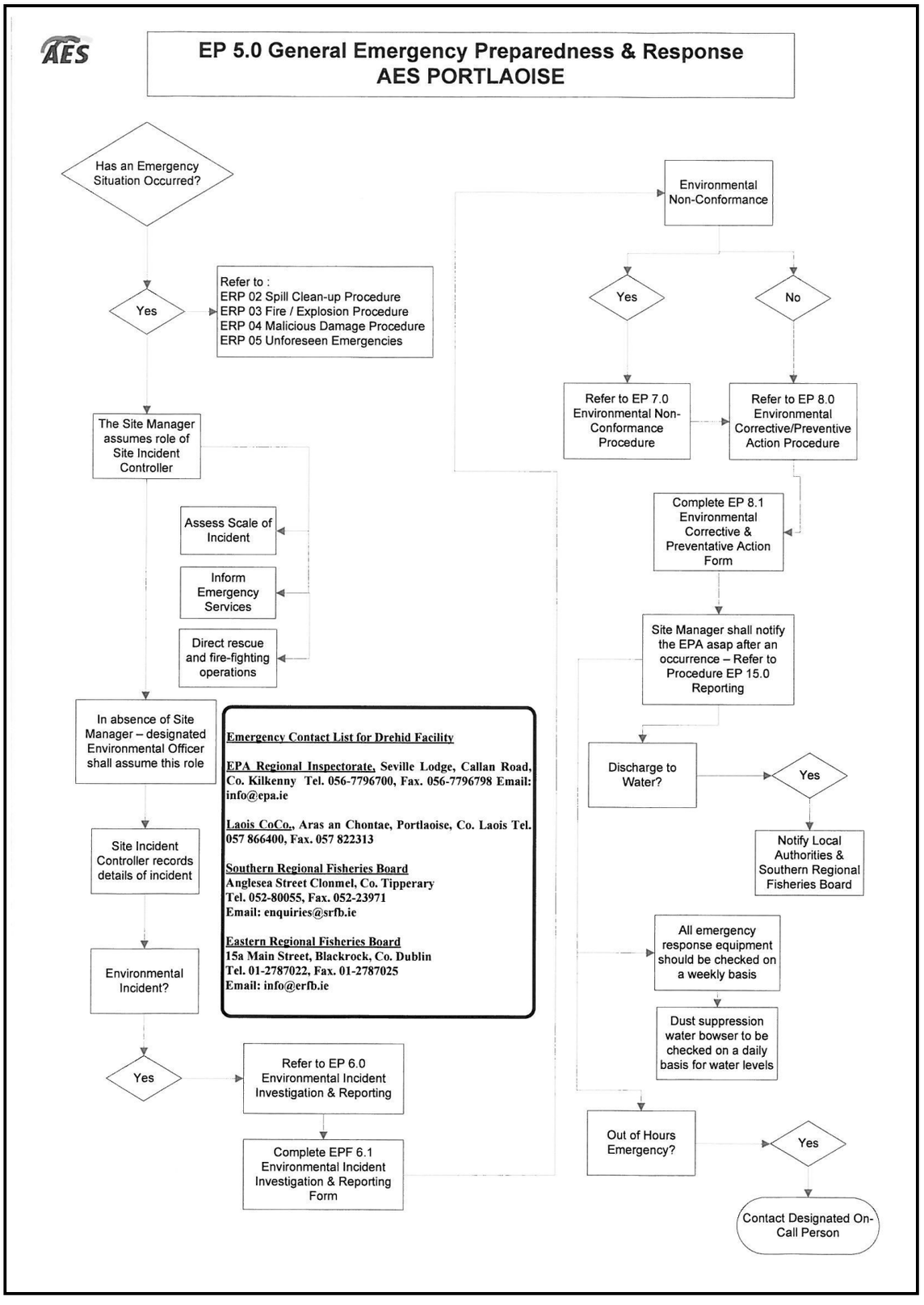
5. This procedure shall be reviewed by the Environmental Management team, annually or after the occurrence of an emergency situation. Additional procedures may be prepared as identified by environmental reviews/audits, environmental compliance monitoring reports, personnel during routine working hours or other communications which bring potential emergency situations to the attention of the Environmental Management Team.

6. The Site Manager shall notify the Environmental Protection Agency as soon as possible after the occurrence of an incident as per procedure EP 15.0 Reporting

7. In the case of any incident which relates to discharges to water, the Site Manager shall notify the Local Authorities and the Southern Regional Fisheries Board as soon as practicable after the incident

8. On a weekly basis, all emergency response equipment shall be checked to ensure it is provided in agreed quantities and in suitable working order.

9. In the case that an emergency situation arises outside the hours of operation, the contact details for the designated person on call are displayed on the Facility Notice Board at the entrance to the site.


EP 5.0 General Emergency Preparedness & Response
AES PORTLAOISE
Has an Emergency Situation Occurred?
Yes
Refer to :
ERP 02 Spill Clean-up Procedure
ERP 03 Fire / Explosion Procedure
ERP 04 Malicious Damage Procedure
ERP 05 Unforeseen Emergencies
The Site Manager assumes role of Site Incident Controller
Assess Scale of Incident
Inform Emergency Services
Direct rescue and fire-fighting operations
In absence of Site Manager – designated Environmental Officer shall assume this role
Site Incident Controller records details of incident
Environmental Incident?
Yes
Refer to EP 6.0 Environmental Incident Investigation & Reporting
Complete EPF 6.1 Environmental Incident Investigation & Reporting Form
Emergency Contact List for Drehid Facility
EPA Regional Inspectorate, Seville Lodge, Callan Road, Co. Kilkenny Tel. 056-7796700, Fax. 056-7796798 Email: info@epa.ie
Laois CoCo., Aras an Chontae, Portlaoise, Co. Laois Tel. 057 866400, Fax. 057 822313
Southern Regional Fisheries Board
Anglesea Street Clonmel, Co. Tipperary
Tel. 052-80055, Fax. 052-23971
Email: enquiries@srfb.ie
Eastern Regional Fisheries Board
15a Main Street, Blackrock, Co. Dublin
Tel. 01-2787022, Fax. 01-2787025
Email: info@erfb.ie
Environmental Non-Conformance
Yes
No
Refer to EP 7.0 Environmental Non-Conformance Procedure
Refer to EP 8.0 Environmental Corrective/Preventive Action Procedure
Complete EP 8.1 Environmental Corrective & Preventative Action Form
Site Manager shall notify the EPA asap after an occurrence – Refer to Procedure EP 15.0 Reporting
Discharge to Water?
Yes
Notify Local Authorities & Southern Regional Fisheries Board
All emergency response equipment should be checked on a weekly basis
Dust suppression water bowser to be checked on a daily basis for water levels
Out of Hours Emergency?
Yes
Contact Designated On-Call Person

Emergency Response Plan		Document: EP 05-ERP-02
Document Approved by: Site Manager	AES ADVANCED ENVIRONMENTAL SOLUTIONS IRELAND **AES Portlaoise** Emergency Response Plan	Revision: 0 Issue Date: 10/07/09 Page: Page 1 of 4

Title Spill Clean up procedure

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

- Protect Employees
- Protect the Environment
- Prevent Fugitive Emissions

Scope: This procedure applies to AES Portlaoise.

Procedure:

Note:

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

1. Hazardous materials shall be 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.

2. In the event of a spillage occurring, the Site Manager or the Deputy Site Manager shall initially investigate the following issues:

   - How long it has been since the incident occurred.
   - Consult the relevant data sheets (Material Safety Data Sheets 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 which are detailed on the Emergency Contact List.

- 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].

- 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.

3. Evacuate the area (for large spills if necessary)

   - The Facility Manger 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 Site Manager or any other designated person from the Emergency Response Team shall instruct for the appropriate emergency services to be contacted.

4. The spillage must be contained using absorbent material, socks, booms or absorbent granules to create a secure dike. The Site 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)].

5. 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.

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

Emergency Response Plan		Document: EP 05-ERP-02
Document Approved by: Site Manager	AES ADVANCED ENVIRONMENTAL SOLUTIONS IRELAND **AES Portlaoise** Emergency Response Plan	Revision: 0 Issue Date: 10/07/09 Page: Page 3 of 4

Title Spill Clean up procedure

7. Clean up Operation.
   - Use non-sparking shovels and brushes to sweep the spilled material into containers.
   - 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.

8. Any waste material resulting from a spillage clean-up shall be dispatched to an appropriate facility for disposal and/or recovery. 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.

9. Following an emergency, the Site Manager shall record details of the incident. Following a comprehensive investigation into the source of the emergency situation, a corrective action shall be formulated as per EP 10.0

10. Laois County Council and the EPA shall be informed if hazardous chemical or firewater infiltrates the drainage network.

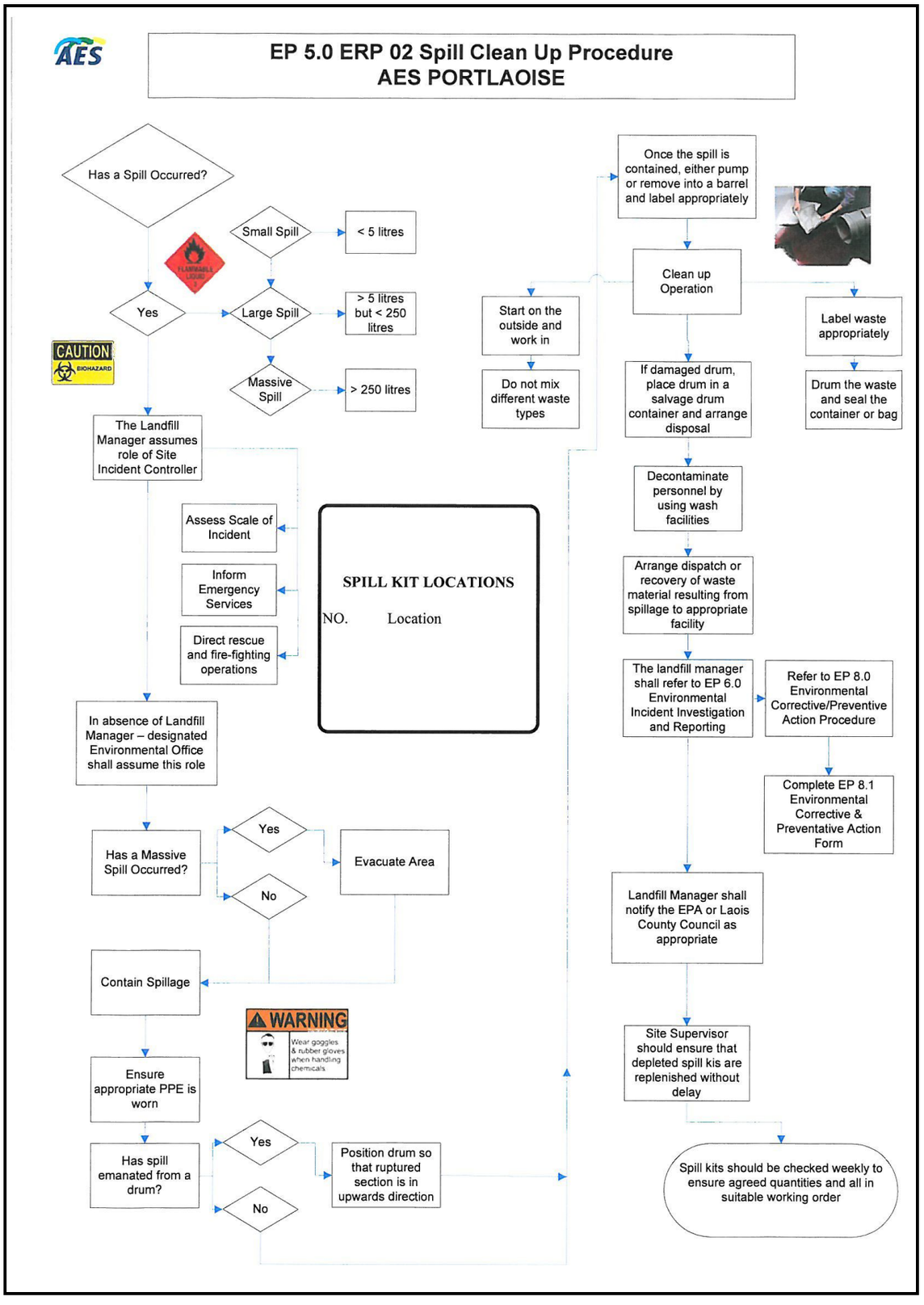
Emergency Response Plan		Document: EP 05-ERP-02
Document Approved by: Site Manager	AES ADVANCED ENVIRONMENTAL SOLUTIONS IRELAND **AES Portlaoise** Emergency Response Plan	Revision: 0 Issue Date: 10/07/09 Page: Page 4 of 4
Title Spill Clean up procedure		

11. Spill kits are located as follows:

Number	Location	Description
1.	Diesel Tank	Labelled Wheelie Bin
2.	Yard	Labelled Wheelie Bin
3	Waste Transfer Building	Labelled Wheelie Bin

12. The Site Manager must ensure that the resultant depleted spill kit (s) is /are replenished without delay. He must also ensure that replenishment stock is re-ordered straightaway.

13. On a weekly basis all spill response equipment shall be checked to ensure it is provided in agreed quantities and in suitable working condition.


EP 5.0 ERP 02 Spill Clean Up Procedure
AES PORTLAOISE
Has a Spill Occurred?
Yes
Small Spill
< 5 litres
Large Spill
> 5 litres but < 250 litres
Massive Spill
> 250 litres
CAUTION
BIOHAZARD
The Landfill Manager assumes role of Site Incident Controller
Assess Scale of Incident
Inform Emergency Services
Direct rescue and fire-fighting operations
SPILL KIT LOCATIONS
NO. Location
In absence of Landfill Manager – designated Environmental Office shall assume this role
Has a Massive Spill Occurred?
Yes
No
Evacuate Area
Contain Spillage
WARNING
Wear goggles & rubber gloves when handling chemicals
Ensure appropriate PPE is worn
Has spill emanated from a drum?
Yes
No
Position drum so that ruptured section is in upwards direction
Once the spill is contained, either pump or remove into a barrel and label appropriately
Clean up Operation
Start on the outside and work in
Do not mix different waste types
Label waste appropriately
Drum the waste and seal the container or bag
If damaged drum, place drum in a salvage drum container and arrange disposal
Decontaminate personnel by using wash facilities
Arrange dispatch or recovery of waste material resulting from spillage to appropriate facility
The landfill manager shall refer to EP 6.0 Environmental Incident Investigation and Reporting
Refer to EP 8.0 Environmental Corrective/Preventive Action Procedure
Complete EP 8.1 Environmental Corrective & Preventative Action Form
Landfill Manager shall notify the EPA or Laois County Council as appropriate
Site Supervisor should ensure that depleted spill kis are replenished without delay
Spill kits should be checked weekly to ensure agreed quantities and all in suitable working order

Emergency Response Plan		Document: EP 05-ERP-03
Document Approved by: Site Manager	AES ADVANCED ENVIRONMENTAL SOLUTIONS IRELAND **AES Portlaoise** Emergency Response Plan	Revision: 0 Issue Date: 10/07/09 Page: Page 1 of 2

Title Fire / Explosion Procedure

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

- To protect Employees.
- To protect the Environment.
- To prevent fugitive emissions.

Scope: This procedure applies to AES Portlaoise.

Procedure:

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.**

2. The Site Manager or Deputy Site Manager shall evacuate the area in a calm, efficient manner. All staff and contractors shall be instructed to walk briskly to the designated evacuation point.

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

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

5. Determine whether the fire can be **SAFELY** isolated utilising the available fire fighting equipment.

6. If the fire is not controlled with the fire fighting equipment available, the local fire brigade shall be notified immediately. Local fire, police and hospital telephone numbers are detailed on the Emergency Contact List. These details are displayed at reception and within the site office. The Site Manager or any other designated person from the Emergency Response Team should;

    a. Dial 112 for emergency services
    b. Request emergency service
    c. Give details of type of emergency and phone number in case call is inadvertently disconnected

d. Provide information requested by call recipient
e. Determine estimated time of arrival to site and communicate this information to the relevant member of ERT.
f. Hang up only when told to do so by call recipient
g. Fill out details required by emergency contact log as soon as it safe to do so.

7. If the fire can be safely isolated, 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]. Only small localised fires should be extinguished in this manner.

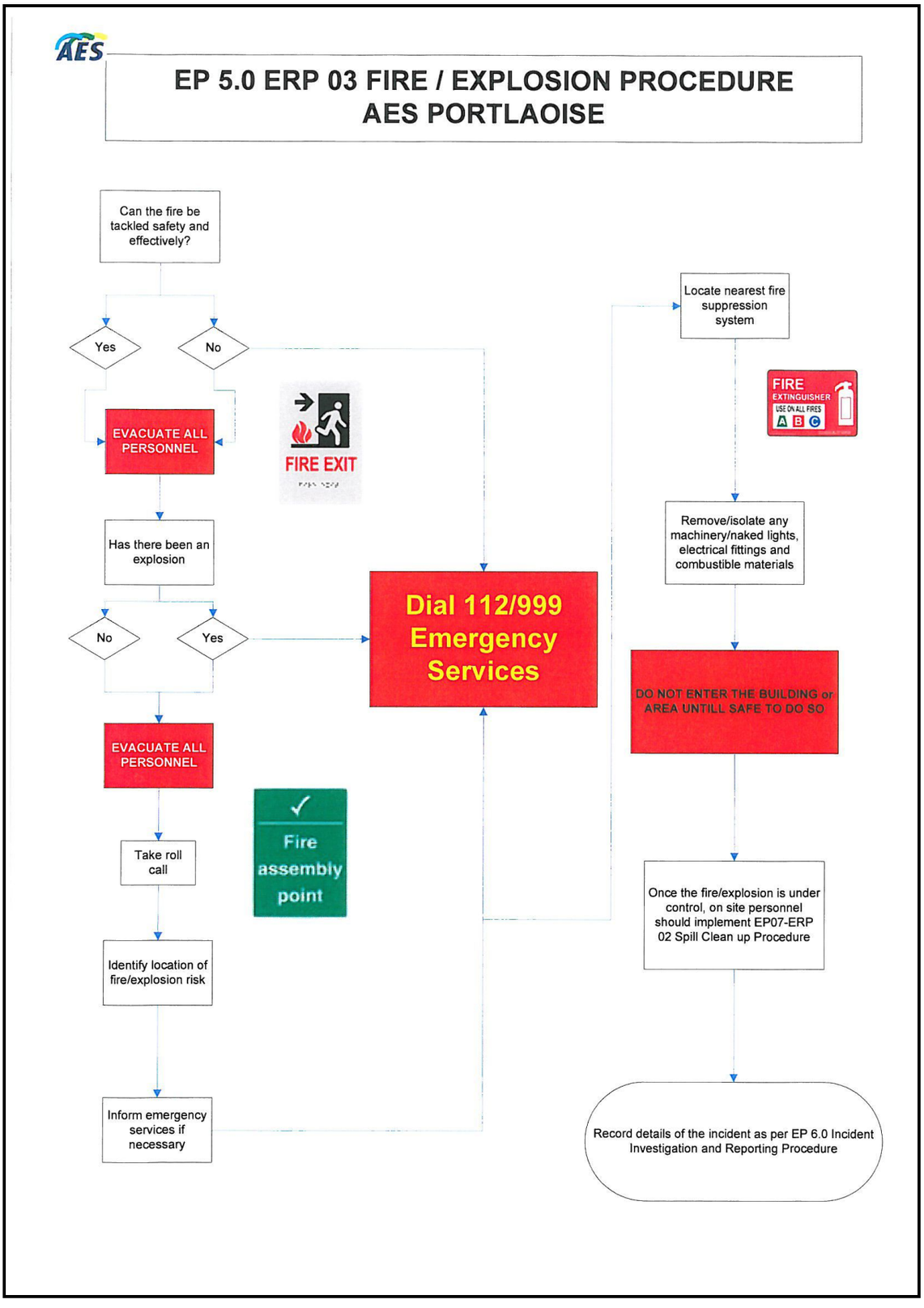
8. Note the wind direction and any possible sources of ignition i.e. naked lights, machinery, electrical fittings, and combustible material and remove them from the area.

9. Personnel shall not re-enter buildings unless the Site Manager/Fire Officer deems it safe to do so.

10. Once the fire has been extinguished or the explosion controlled on site, personnel shall complete a clean-up operation as per EP05-ERP-02 using the available resources.

11. Effected areas shall be checked thoroughly in order to ensure that the fire 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.

12. Following an emergency, the Site Manager, or other designated responsible person shall record details of the incident as per EP 6.0 Incident Investigation Procedure


EP 5.0 ERP 03 FIRE / EXPLOSION PROCEDURE
AES PORTLAOISE
Can the fire be tackled safety and effectively?
Yes
No
EVACUATE ALL PERSONNEL
FIRE EXIT
Has there been an explosion
No
Yes
Dial 112/999 Emergency Services
EVACUATE ALL PERSONNEL
Fire assembly point
Take roll call
Identify location of fire/explosion risk
Inform emergency services if necessary
Locate nearest fire suppression system
FIRE EXTINGUISHER
USE ON ALL FIRES
A B C
Remove/isolate any machinery/naked lights, electrical fittings and combustible materials
DO NOT ENTER THE BUILDING or AREA UNTILL SAFE TO DO SO
Once the fire/explosion is under control, on site personnel should implement EP07-ERP 02 Spill Clean up Procedure
Record details of the incident as per EP 6.0 Incident Investigation and Reporting Procedure

Emergency Response Plan		Document: EP 5.0-ERP-04
Document Approved by: Site Manager	AES ADVANCED ENVIRONMENTAL SOLUTIONS IRELAND **AES Portlaoise** Emergency Response Plan	Revision: 0 Issue Date: 10/07/09 Page: Page 1 of 1

Title Malicious Damage Procedure

Purpose: This procedure is required in order to monitor and prevent malicious damage.

Scope: This procedure applies to AES Portlaoise.

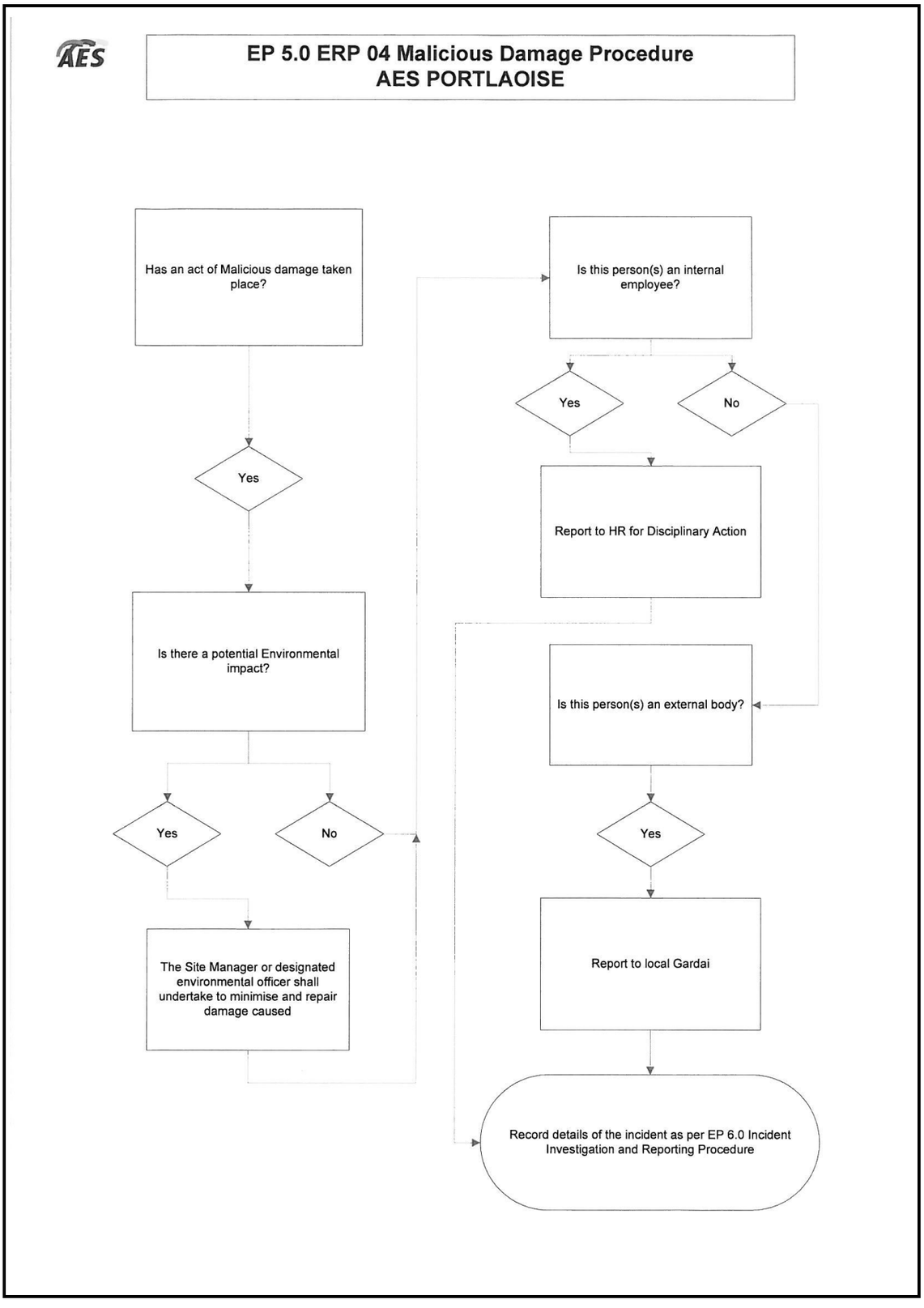
Procedure:

1. Where any occurrence of malicious damage is noted or where persons are observed causing malicious damage, the Site Manager shall be informed as soon as is practical.

2. Where malicious damage results in a significant environmental impact, or a potentially significant environmental impact, the Site Manager shall be advised who then undertakes to minimise and repair the damage caused.

3. Persons observed causing malicious damage shall be subjected to internal disciplinary action. The Site Manager, will report external persons to the Gardaí.

4. Following an emergency, the Site Manager, or other designated responsible person shall record details of the incident as per EP 6.0 Incident Investigation and Reporting.


EP 5.0 ERP 04 Malicious Damage Procedure
AES PORTLAOISE
Has an act of Malicious damage taken place?
Yes
Is there a potential Environmental impact?
Yes
No
The Site Manager or designated environmental officer shall undertake to minimise and repair damage caused
Is this person(s) an internal employee?
Yes
No
Report to HR for Disciplinary Action
Is this person(s) an external body?
Yes
Report to local Gardai
Record details of the incident as per EP 6.0 Incident Investigation and Reporting Procedure

Emergency Response Plan		Document: EP 5.0-ERP-05
Document Approved by: Site Manager	AES ADVANCED ENVIRONMENTAL SOLUTIONS IRELAND **AES Portlaoise** Emergency response Plan	Revision: 1 Issue Date: 10/07/09 Page: Page 1 of 2

Title Unforeseen Emergencies and Fugitive emissions

Purpose: The purpose of this procedure is to outline the procedure to be adhered to in the event of an unforeseen emergency.

Scope: This procedure applies to the AES Portlaoise.

Procedure:

1. Following the occurrence of an incident requiring emergency action, the observant shall contact the Site Manager or in his absence most senior representative of management on-site.
2. Access situation and severity. Request emergency services where necessary. If calling for the emergency services, local Fire, police and hospital telephone numbers are detailed on the Emergency Contact List displayed within the Main Site Office, the Weighbridge Office and the Site Managers Office.

    a. Dial 112 for emergency services
    b. Request emergency service
    c. Give details of type of emergency and phone number in case call is inadvertently disconnected
    d. Provide information requested by call recipient
    e. Determine estimated time of arrival to site and communicate this information to the relevant member of ERT.
    f. Hang up only when told to do so by call recipient
    g. Fill out details required by emergency contact log as soon as it safe to do so.

3. 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 (EP 05-ERP-1-5).

4. In the event the situation involves a Man Down, do not move the casualty until First Aid or Emergency Services give instruction.

5. Once ERT arrive at the incident, all contractors and visitors must be directed to the assembly point.

6. In the event the Emergency Services are called, ERT will cordon off the area and ensure emergency services access is clear to the incident site.

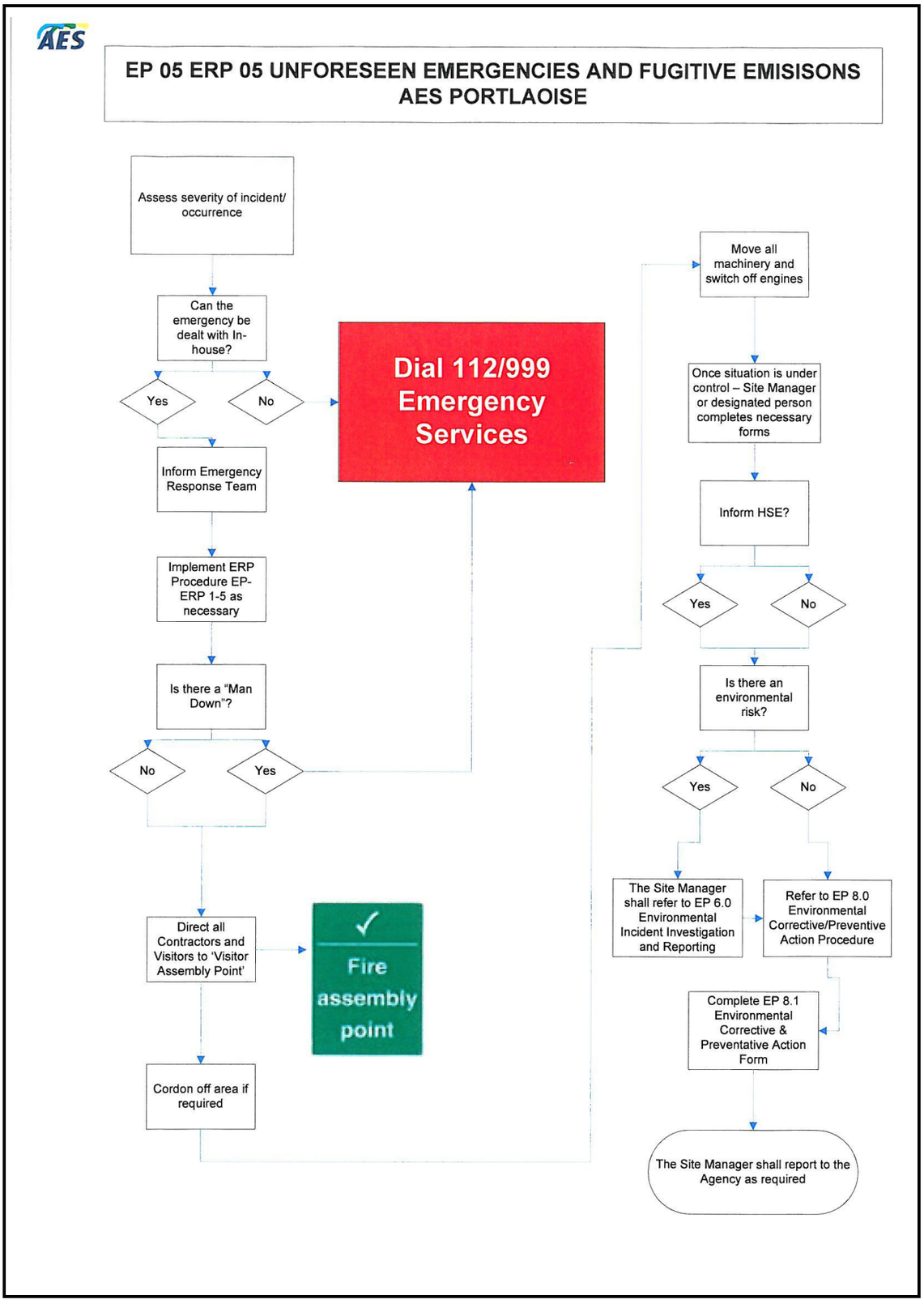
7. Move all machinery not involved clear of the incident and switch engines off.

8. Once the situation is under control and has been deemed safe by the Site Manager or most senior member of management on site then the relevant report forms must be completed and the HSA informed where relevant.

9. In the event that the incident gives rise to an emission the Site Manager and the Emergency Response Team shall immediately
   - Isolate the source of any such emission
   - Carry out an immediate investigation to identify the nature, source and cause of the incident and any emission arising there from
   - Evaluate the environmental pollution if any caused by the incident
   - Identify and execute measures to minimise the emissions or malfunction and the effects thereof

6. Following an emergency, the Site Manager, or other designated responsible person shall record details of the incident as per procedure EP 6.0 Environmental Incident Investigation and Reporting. The Site Manger shall also identify and put in place measures to avoid reoccurrence and put in place any other appropriate remedial action. These corrective actions shall be documented as per procedure EP 8.0 Corrective and Preventive Action Procedure.

7. The Site Manager shall provide a proposal to the Agency for its agreement within one month of the incident occurring or as otherwise agreed by the Agency.


EP 05 ERP 05 UNFORESEEN EMERGENCIES AND FUGITIVE EMISISONS
AES PORTLAOISE
Assess severity of incident/ occurrence
Can the emergency be dealt with In-house?
Yes
No
Dial 112/999 Emergency Services
Inform Emergency Response Team
Implement ERP Procedure EP-ERP 1-5 as necessary
Is there a "Man Down"?
No
Yes
Direct all Contractors and Visitors to 'Visitor Assembly Point'
Fire assembly point
Cordon off area if required
Move all machinery and switch off engines
Once situation is under control – Site Manager or designated person completes necessary forms
Inform HSE?
Yes
No
Is there an environmental risk?
Yes
No
The Site Manager shall refer to EP 6.0 Environmental Incident Investigation and Reporting
Refer to EP 8.0 Environmental Corrective/Preventive Action Procedure
Complete EP 8.1 Environmental Corrective & Preventative Action Form
The Site Manager shall report to the Agency as required

APPENDIX 3

Summary of Emissions and Waste Management (PRTR)

[PRTR# : W0194 | Facility Name : Advanced Environmental Solutions (Ireland) Ltd | Filename : W0194_2011(1).xls | Return Year : 2011]

Guidance to completing the PRTR workbook

AER Returns Workbook

Version 1.1.13

REFERENCE YEAR	2011

1. FACILITY IDENTIFICATION

Parent Company Name	Advanced Environmental Solutions (Ireland) Ltd.
Facility Name	Advanced Environmental Solutions (Ireland) Ltd
PRTR Identification Number	W0194
Licence Number	W0194-02

Waste or IPPC Classes of Activity

No.	class_name
4.2	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).
3.11	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
3.12	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.
3.13	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.
3.6	Biological treatment not referred to elsewhere in this Schedule which results in final compounds or mixtures which are disposed of by means of any activity referred to in paragraphs 1. to 10. of this Schedule.
4.11	Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule.
4.13	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.
4.3	Recycling or reclamation of metals and metal compounds.
4.4	Recycling or reclamation of other inorganic materials.
4.9	Use of any waste principally as a fuel or other means to generate energy.

Address 1	Kyletalesha & Kyleclonhobert
Address 2	Portlaoise
Address 3	County Laois
Address 4	
	Laois
Country	Ireland
Coordinates of Location	-8.5582 53.8838
River Basin District	IESE
NACE Code	3832
Main Economic Activity	Recovery of sorted materials
AER Returns Contact Name	Charlotte Greene
AER Returns Contact Email Address	charlotte.greene@anua.ie
AER Returns Contact Position	Environmental Officer
AER Returns Contact Telephone Number	045-439492
AER Returns Contact Mobile Phone Number	087-7697465
AER Returns Contact Fax Number	
Production Volume	0.0
Production Volume Units	0
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	0
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
50.1	General
5(c)	Installations for the disposal of non-hazardous waste
50.1	General

3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)

Is it applicable?	
Have you been granted an exemption ?	
If applicable which activity class applies (as per Schedule 2 of the regulations) ?	
Is the reduction scheme compliance route being used ?	

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE | PRTR# : W0194 | Facility Name : Advanced Environmental Solutions (Ireland) Ltd | Filename : W0194_2011(1).xls | Return Year : 2011 | 27/03/2012 14:30

Please enter all quantities on this sheet in Tonnes

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	15 01 01	No	240.38	paper and cardboard packaging	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-02	Cappincur Ind. Est.,Daingean Rd.,Tullamore,.,Ireland		
Within the Country	15 01 01	No	175.9	paper and cardboard packaging	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-02	Cappincur Ind. Est.,Daingean Rd.,Tullamore,.,Ireland		
Within the Country	15 01 02	No	67.44	plastic packaging	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-02	Cappincur Ind. Est.,Daingean Rd.,Tullamore,.,Ireland		
Within the Country	15 01 02	No	5.64	plastic packaging	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-02	Cappincur Ind. Est.,Daingean Rd.,Tullamore,.,Ireland		
Within the Country	15 01 03	No	43.72	wooden packaging	D1	M	Weighed	Offsite in Ireland	Drehid WMF,W0201-03	Killinagh Upper,Carbury,Co. Kildare,.,Ireland		
Within the Country	15 01 03	No	176.56	wooden packaging	R13	M	Weighed	Offsite in Ireland	Thorntons,W044-02	Killinagh Rd.,Ballyfermot,Dublin 10,.,Ireland		
Within the Country	15 01 06	No	7.94	mixed packaging	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-02	Cappincur Ind. Est.,Daingean Rd.,Tullamore,.,Ireland		
Within the Country	15 01 07	No	88.28	glass packaging	R13	M	Weighed	Abroad	Glassdon Recycling,LN/08/103	52 Creagh Rd.,Toomebridge,Co. Antrim,.,United Kingdom		
Within the Country	15 01 07	No	263.36	glass packaging	R13	M	Weighed	Offsite in Ireland	Glassco,.	.,.,.,.,Ireland		
Within the Country	16 01 03	No	2.56	end-of-life tyres	R13	M	Weighed	Offsite in Ireland	Crumb Rubber,DC/08/1136/01	Mooretown ,Dromiskin ,Dundalk Co. Louth,.,Ireland		
Within the Country	17 01 07	No	1488.0	mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	D1	M	Weighed	Offsite in Ireland	Drehid WMF,W0201-03	Killinagh Upper,Carbury,Co. Kildare,.,Ireland		
Within the Country	17 01 07	No	102.47	mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	D1	M	Weighed	Offsite in Ireland	Portlaoise Landfill,.	Kyletalesha,Portlaoise Landfill,Co. Laois,.,Ireland		
Within the Country	17 02 01	No	1174.96	wood	R13	M	Weighed	Offsite in Ireland	Thorntons,W044-02	Killinagh Rd.,Ballyfermot,Dublin 10,.,Ireland		
Within the Country	17 04 02	No	6.52	aluminium	R13	M	Weighed	Offsite in Ireland	Erin Recycling,WP-SO-05-51	Deepwater Quay,Sligo harbour,Co. Sligo,.,Ireland		
Within the Country	17 04 07	No	296.68	mixed metals	R13	M	Weighed	Offsite in Ireland	Erin Recycling,WP-SO-05-51	Deepwater Quay,Sligo harbour,Co. Sligo,.,Ireland		
Within the Country	17 04 07	No	91.0	mixed metals	R13	M	Weighed	Offsite in Ireland	One 51 Recycling,.	Unit 128/129,Shannon Ind Est. Shannon ,Co. Clare,.,Ireland		
Within the Country	17 04 11	No	1.52	cables other than those mentioned in 17 04 10	R13	M	Weighed	Offsite in Ireland	One 51 Recycling,.	Unit 128/129,Shannon Ind Est. Shannon ,Co. Clare,.,Ireland		
Within the Country	19 12 03	No	2.82	non-ferrous metal	R13	M	Weighed	Offsite in Ireland	Erin Recycling,WP-SO-05-51	Deepwater Quay,Sligo harbour,Co. Sligo,.,Ireland		
Within the Country	19 12 09	No	5086.38	minerals (for example sand, stones)	D1	M	Weighed	Offsite in Ireland	Drehid WMF,W0201-03	Killinagh Upper,Carbury,Co. Kildare,.,Ireland		
Within the Country	19 12 12	No	294.64	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	D1	M	Weighed	Offsite in Ireland	Drehid WMF,W0201-03	Killinagh Upper,Carbury,Co. Kildare,.,Ireland		
Within the Country	19 12 12	No	9165.21	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R13	M	Weighed	Offsite in Ireland	Greyhound rectycling,W0205-01	Crag Avenue ,Clondalkin Ind. Est.,Dublin 22,.,Ireland		
Within the Country	19 12 12	No	1922.58	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R13	M	Weighed	Offsite in Ireland	Portlaoise Landfill,.	Kyletalesha,Portlaoise Landfill,Co. Laois,.,Ireland		
Within the Country	19 12 12	No	923.04	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R13	M	Weighed	Offsite in Ireland	Enrich Recycling,.	.,.,.,.,Ireland		
Within the Country	20 01 08	No	379.98	biodegradable kitchen and canteen waste	R13	M	Weighed	Offsite in Ireland	AES Navan,W0131-02	Clonmagaddan,Proudstown, Navan Co. Meath,.,Ireland		
Within the Country	20 01 08	No	3108.72	biodegradable kitchen and canteen waste	R13	M	Weighed	Offsite in Ireland	O'Toole,WP01/07	Ballintrane,Fennagh,Co. Carlow,.,Ireland		
Within the Country	20 01 35	Yes	0.6	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and and 20 01 23 containing hazardous components	R13	M	Weighed	Offsite in Ireland	KMK Metals,W0113-03	Cappincur Ind Est,Tullamore,Co. Offaly,.,Ireland	KMK Metals,W0113-03,Cappincur Ind Est,Tullamore,Co. Offaly,.,Ireland	Cappincur Ind Est,Tullamore,Co. Offaly,.,Ireland
Within the Country	20 01 39	No	18.72	plastics	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-02	Cappincur Ind. Est.,Daingean Rd.,Tullamore,.,Ireland		
Within the Country	20 01 39	No	134.26	plastics	R13	M	Weighed	Offsite in Ireland	Leinster Environmental,WP2008/06	Clermont Business Pk.,Haggardstown,Dundalk Co. Louth.,.,Ireland		
Within the Country	20 02 01	No	10.58	biodegradable waste	R13	M	Weighed	Offsite in Ireland	BNM Kilberry,W0198-01	Kilberry,Co. Kildare,.,.,Ireland		
Within the Country	20 03 01	No	41.9	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Drehid WMF,W0201-03	Killinagh Upper,Carbury,Co. Kildare,.,Ireland		
Within the Country	20 03 01	No	476.94	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Portlaoise Landfill,.	Kyletalesha,Portlaoise Landfill,Co. Laois,.,Ireland		
Within the Country	20 03 01	No	646.74	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Portlaoise Landfill,.	Kyletalesha,Portlaoise Landfill,Co. Laois,.,Ireland		
Within the Country	20 03 01	No	4230.05	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-02	Cappincur Ind. Est.,Daingean Rd.,Tullamore,.,Ireland		