

Waste Licence	
Registration Number:	W0131-02
Licensee:	Advanced Environmental Solutions (AES) Ireland Ltd
Location of Activity:	Proudstown Road, Navan, County Meath
Attention:	Office of Environmental Enforcement EPA Headquarters P.O. Box 3000
	Johnstown Castle Estate
	Co. Wexford
Prepared by:	ANUA Environmetal





REVISION CONTROL TABLE

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

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1.0 INTRODUCTION

The Environmental Protection Agency (EPA) issued Advanced Environmental Solutions (Ireland) Ltd, with a Waste Licence for its Waste Transfer Station at Clonmagaddan, Proudstown, Navan, Co. Meath on 3rd February 2006. The Waste Licence reference number is W0131-02.

The facility is currently licensed to a maximum of 95,000 tonnes of waste per annum (38,000 tonnes of Non-hazardous household waste, 33,000 tonnes of Commercial & Industrial waste and 23,750 tonnes of C&D waste).

In May 2007, Bord na Mona PLC acquired Advanced Environmental Solutions (AES) Ireland Ltd., one of Irelands leading waste management companies, which services 5,000 commercial customers and 60,000 domestic customers.

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 11.8 of the Waste Licence. This report addresses Condition 11.8 of the Waste Licence for the facility.

This report addresses Condition 11.8 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 E: Annual Environmental Report of the Waste License for the facility. This AER covers the reporting period from 1st January 2011 up to 31st December 2011.

1.1 Site Description and Activities

AES operates a Waste License (W0131-02) for its Waste Transfer Station at Proudstown Road, Navan, Co. Meath. 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.



Figure 1.1 Site location map of the AES facility, Navan, Co. Meath.

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 08:00 to 20:00 Monday to Saturday inclusive, with empty waste collection vehicles leaving the facility from 06:00 Monday - Saturday. All waste accepted at the facility for disposal is removed from the facility within 48 hours of its arrival (during bank holidays/weekends waste is removed within 72 hours).

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.

After weighing, each waste load is brought to the enclosed Waste Processing Building where it is deposited on the floor for visual inspection to ensure that all wastes comply with the requirements of the Waste Licence, W0131-02. The Waste Segregation Manager is responsible for carrying out visual inspections and for maintaining a written record of all loads.

Written records of each inspection are recorded on the incoming waste inspection sheet at the end of each working day. Only after visual inspection can the waste be identified for disposal or recovery.

Within the Waste Processing Building the waste is sorted according to its recycling potential and is either deemed suitable for further onwards recycling/ recovery or compacted within one of the compactors on site/ejector trailers and transported off-site for final disposal (non-recoverable waste) to an authorised landfill. The categories of waste deemed suitable for segregations and recycling is dependent on available markets for such materials. Materials commonly accepted for recycling include; steel & iron, cardboard & newsprint, timber, soil & stone (suitable for backfill material), green waste, plasterboard, plastics and glass.

Household mixed recyclables are collected and accepted at the facility, where the waste is forwarded off-site for further processing and/or recovery. All waste deemed unsuitable for recycling/ recovery is loaded into designated ejector trailers or is compacted within one of the two compactors on-site. All compacted waste is sealed within specialised containers and are subsequently transported for authorised disposal. All waste being transported from the facility is weighed and recorded at the weighbridge. An individual weigh docket is printed for each waste.

2.0 EMISSIONS FROM THE FACILITY

Emissions as per Schedule B of the Waste License, W0131-02, 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 inn Section 6 of this report.

Foul water produced at the facility (leachate and wastewater) is directed into a storage tank. This tank is emptied and wastewater directed to Navan Wastewater Treatment Plant (WWTP). In accordance with the requirements of the Waste Licence, W0131-02, details of each consignment of foul water removed from the facility is maintained. The overall waste summary records for the reporting period are presented in Table 2.1.

Table 2.1	Quar	Quantities of foul water removed from site during the reporting period (m ³).						
Month	2004	2005	2006	2007	2008	2009	2010	2011
Jan	76	120	88	352	216	208	368	417
Feb	62	120	128	312	120	232	200	647
Mar	38	120	232	176	128	112	304	225
Apr	40	80	144	64	80	136	208	190
May	22	112	232	88	72	168	96	150
Jun	48	56	120	208	152	104	160	215
Jul	32	80	36	304	272	232	585	186
Aug	168	40	80	168	196	304	268	143
Sep	40	120	200	88	160	184	1,351	481
Oct	120	176	232	80	240	232	415	791
Nov	72	192	192	120	192	1,304	1,108	453
Dec	104	232	248	136	136	456	173	332
Total	822	1,456	2,032	2,096	2,064	3,672	5,236	4,230

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

These waste classification, subsequent to inspection, can be further categorised as being either suitable for recycling / recovery off-site or disposal off-site to authorised disposal facilities. Hazardous waste is not accepted at the site. Hazardous waste in the form of batteries and fluorescent tubing that are inadvertently accepted to the site are segregated into individual storage skips/areas within the plant and subsequently collected by authorised contractors for further treatment/ disposal. Any materials that are suspect in nature (i.e. hazardous are not accepted 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 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 11	Use of waste obtained from any activity referred to in a preceding paragraph of this Schedule:
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:

3.2 Waste Quantities and Composition.

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

Table 3.1: Incoming Waste to Midlands W	Vaste Transfer Station
EWC Code	Incoming Waste (Tonnes)
020399 - Coffey Sacks	5.72
020501	2.30
040222 - Waste from processed textile fabrics	74.28
150101BC - Bailed Cardboard	2158.38
150101BP – Baled Paper	13.50
150101C - Loose Cardboard	1857.05
150101MX - Mixed Paper & Cardboard	33.64
150102BPL - Baled plastic packaging	61.28
150102PL - Plastic packaging	32.64
150103 – Wooden Packaging	32.50
150106 – Mixed Packaging	0.16
150107 – Glass Packaging	287.96
160306 - Non-haz. organic waste	2.34
170107 – Rubble	56.08
170201 – C&D Glass	1.2
170202 - Glass	28.38
170203 - C&D plastics	8.86
170407 - C&D metals	27.74
170411 - Cable	8.44
170504 – Soil & Stone	38.32
170802 – Plaster Board	48.60
170904 – Mixed C&D	7968.52
180104 – Non Haz. Healthcare Waste	262.5
190801 - Screenings from waste water treatment plant	171.94
191204 Rubber	2.5
191212 – Mixed Waste from MRF	2112.62
200101MXP - Mixed paper	8.48
200101NP - Newsprint	21.18
200102 – Commercial Glass	11.6
200102D - Domestic Glass	56.88
200108 – Biodegradable Canteen Waste	1392.28
200108D	341.26
200136 Non Haz Electrical & Electronic waste	32.78
200138 - Wood	1091.56
200139 – Mixed Municipal Plastic	235.80
200140 - Metals	624.28
200201Green Biodegradable Waste	104.72
200301C – Commercial Mixed Waste	22260.15
200301D – Kerbside Blue Bin Contents Domestic Waste	15456.30
200301K – Kerbside Blue Bin Contents	5374.88
200303 – Street Cleaning Residues	1405.06
200307 Bulky Waste	17.1
Grand Total	63,731.76

Table 3.2 Outgoing Waste Recovered / Disposed from Midlands Waste Transfer Station					
EWC Code	Outgoing Waste	Destination Name	Destination Address	License No.	
	Vol. (tonne)				
020399	5.24	BNM Kilberry	Kilberry, Co. Kildare	W0198-01	
080111*	0.4	Enva	Clonmainham Ind. Est. Portlaoise, Co. Laois	181-4	
150101BC	2805.30	(MLM) ACM Europe	Adamstown Hse, Towers Buisness Pk. Wilmslow Rd., Didsbury, Manchester,		
150101BC	113.42	Irish Packaging Recycling	Ballymount Road, Walkinstown, Dublin 12	WPR 021/02	
150101C	540	Irish Packaging Recycling	Ballymount Road, Walkinstown, Dublin 12	WPR 021/02	
150102PL	1.66	Thornton Waste Disposal	Killeen Rd. Ballyfermot, Dublin 10	W0044-02	
	26.34	Leinster Environmental	Clermont Business Park, Haggardstown, Dundalk, Co. Louth	WP2008/06	
	14.52	AES Tullamore.	Cappincur Industrial Estate, Daingean Road, Tullamore, Co. Offaly	W0104-02	
	6.70	ROC	Ballymacken, Ind. Est., Portlaoise, Co. Laois	WFP-LS-11-0001-	
	203.82	Irish Packaging Recycling	Ballymount Road, Walkinstown, Dublin 12	WPR 021/02	
150104	9.56	IMR	Unit 2, Duleek Business Pk., Duleek, Co. Meath	WFP/09/0301	
	44.82	Wilton Waste Recycling	Kiffa, Ballyjamesduff, Co. Cavan	W 06/03	
150107	307.32	Glassdon Rec.	52 Creagh Rd., Toomebridge, Co. Antrim		
160103	27.56	Wilton Waste Recycling	Kiffa, Ballyjamesduff, Co. Cavan	W 06/03	
	6.26	Crumb Rubber	Mooretown, Dromiskin, Dundalk, Co. Louth	DC/08/1136/01	
	11.74	Ecological	Clermont Business Park, Haggardstown, Dundalk, Co. Louth	WP2008/06	
160306	7.40	FSM	Co. Meath		
160505	4.76	Erin Recycling	Deepwater Quay, Finisklin, Sligo Harbour, Co. Sligo	WPSO-08-93	
	2.68	Commons Fuels	Commons Lane, Navan, Co. Meath		
	1.04	Wilton Waste Recycling	Kiffa, Ballyjamesduff, Co. Cavan	W 06/03	
160601	8.38	Wilton Waste Recycling	Kiffa, Ballyjamesduff, Co. Cavan	W 06/03	
	2.56	IMR	Unit 2, Duleek Business Pk., Duleek, Co. Meath	WFP/09/0301	
170107	2396.62	Drehid WMF	Killinagh Upper, Carbury, Co. Kildare	W0201-03	
	1017.30	Harristown	Harristown, Navan, Co. Meath	10/0004/01	
170201	3077.34	Wilton Waste Recycling	Kiffa, Ballyjamesduff, Co. Cavan	W 06/03	
	12.94	Thornton Waste Disposal	Killeen Rd. Ballyfermot, Dublin 10	W0044-02	
	35.44	Panda Waste Services	Rathdrinagh, Beauparc, Navan, Co. Meath	W0140/03	
170402	11.16	Wilton Waste Recycling	Kiffa, Ballyjamesduff, Co. Cavan	W 06/03	
170411	18.80	Wilton Waste Recycling	Kiffa, Ballyjamesduff, Co. Cavan	W 06/03	

Table 3.2 Contd. Outgoing Waste Recovered / Disposed from Midlands Waste Transfer Station					
EWC	Outgoing Waste	Destination Name	Destination Address	License No.	
Code	Vol. (tonne)				
170411	0.90	IMR	Unit 2, Duleek Business Pk., Duleek, Co. Meath	WFP/09/0301	
170504	442.76	Harristown	Harristown, Navan, Co. Meath	10/0004/01	
170802	51.04	Panda Waste Services	Rathdrinagh, Beauparc, Navan, Co. Meath	W0140/03	
190503	492.72	Drehid WMF	Killinagh Upper, Carbury, Co. Kildare	W0201-03	
191203	10.88	IMR	Unit 2, Duleek Business Pk., Duleek, Co. Meath	WFP/09/0301	
191203	0.96	Wilton Waste Recycling	Kiffa, Ballyjamesduff, Co. Cavan	W 06/03	
191209	11313.58	Drehid WMF	Killinagh Upper, Carbury, Co. Kildare	W0201-03	
191212	41.54	Ballynagra	Coolbeg, Kilcandra, Co. Wicklow	W0165-02	
	542.08	Drehid WMF	Killinagh Upper, Carbury, Co. Kildare	W0201-03	
	3297.74	Enrich	Larchill, Kilcock, Co. Meath	08/004/02	
	16014.10	Greyhound Rec.	Crag Avenue, Clondalkin Ind Est., Dublin 22	W0205-01	
	59.42	Indaver	Carranstown, Duleek, Co. Meath	W0167-02	
	9221.94	Knockharley Landfill	Knockharley, Kentstown, Co. Meath	W0146-1	
	23.2	Oxigen	Merywell Ind. Est., Ballymount, Dublin 22.	W0208-02	
	2118.54	Thornton Waste Disposal	Killeen Rd. Ballyfermot, Dublin 10	W0044-02	
200108	935.12	Enrich	Larchill, Kilcock, Co. Meath	08/004/02	
200136	20.92	KMK Metals.	Cappincur Ind. Est., Daingean Rd., Tullamore, Co. Offaly	W0113-03	
	7.38	AES Tullamore	Cappincur Ind. Est., Daingean Rd., Tullamore, Co. Offaly	W0104-02	
200139	2.52	Irish Packaging Recycling	Ballymount Road, Walkinstown, Dublin 12	WPR 021/02	
200107	78.06	Leinster Environmental	Clermont Business Park, Haggardstown, Dundalk, Co. Louth	WP2008/06	
	7.60	ROC	Ballymacken, Ind. Est., Portlaoise, Co. Laois	WFP-LS-11-0001	
	548.84	Erin Recycling	Deepwater Quay, Finisklin, Sligo Harbour, Co. Sligo	WPSO-08-93	
200140	2.44	IMR	Unit 2, Duleek Business Pk., Duleek, Co. Meath	WFP/09/0301	
200140	426.14	Multimetals	The Marrough, Wicklow Town, Co. Wicklow	09/0014/01	
	327.66	Wilton Waste Recycling	Kiffa, Ballyjamesduff, Co. Cavan	W 06/03	
200301C	103.42	Knockharley Landfill	Knockharley, Kentstown, Co. Meath	W0146-1	
2003010	12.58	Thornton Waste Disposal	Killeen Rd. Ballyfermot, Dublin 10	W0044-02	
200301K	4190.96	AES Tullamore.	Cappincur Industrial Estate, Daingean Road, Tullamore, Co. Offaly	W0104-02	
2005011	46.76	Greyhound Waste	Crag Avenue, Clondalkin, Dublin 22.	W0205-01	

		Table 3.2 Contd. Outgo	oing Waste Recovered / Disposed from Midlands Waste Transfer Station	
EWC	Outgoing Waste	Destination Name	Destination Address	License No.
Code	Vol. (tonne)			
00000117	143.58	Mulleady Waste	Cloonaugh, Drumlish, Co. Longford	W0169-01
200301K	1731.36	Thornton Waste Disposal	Killeen Rd. Ballyfermot, Dublin 10	W0044-02
200303	605.76	Drehid WMF	Killinagh Upper, Carbury, Co. Kildare	W0201-03
Pallets	46.20	Paddy Daly	Kilmainham, Kells, Co. Meath	
Grand	63 580 78			
Total	03,307.70			

4.0 Resource and Energy Consumption

4.1 **Resource Consumption Summary**

Resources consumed at the Midland Waste Transfer Station are recorded. During the recording period water usage on-site has not been recorded (mains, not metered) therefore, calculation of water usage is not possible at present.

Road Diesel Consumption was 743,219 Litres and Green Diesel Consumption was 87,921 Litres. The Kerosene usage for the site during 2011 was 5,592 Litres.

The total electrical consumption at the site was 489,60 kWh during the reporting period. During the same period foul water produced at the facility (leachate and wastewater) is directed into a storage tank. This tank is emptied and wastewater directed to Navan WWTP. A total of 4,230 m3 was directed to Navan WWTP.

4.2 Raw Materials Consumption & Waste Energy

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.

5.0 Environmental objectives and targets

5.1 Progress against Targets for 2011

	Table	e 5.1 Progress against Objectives & Targets f	for 2011
Ref.	Objective	Target	Progress
1	Maximise	Household glass bin being rolled out Feb 2011	Achieved
	Recovery of	Household brown bin being rolled out July 2011	Work in progress, new
	Recyclables		target for 2012
2	Diversion of	Household brown bin being rolled out July 2011	Work in progress, new
	biodegradable		target for 2012
	waste from	The quantity of BMW sent to Landfill will be	Ongoing
	landfill	calculated on a quarterly basis to ensure that	
		Diversion Targets are met.	
3	Environmental	As per Waste Licence: Should any limits be	Ongoing
	Monitoring	exceeded, corrective actions to be implemented.	
4	Efficiency of	Streamline Routes. Computer programme was	Streamlining is reviewed
	Fuel	acquired for AES Group to manage collection	continuously as new
	Consumption	route to ensure maximum efficiency of labour and	customers are added and
		raw materials	routes change
		Drivers to complete EcoDrive Training	Ongoing
		Continued use of Dipetane Fuel Additive to	Ongoing
		improve fuel economy, reduce emissions, extend	
		oil life and reduce engine wear.	
5	Upkeep of	Ongoing review of precedures, objectives &	Ongoing
	Environmental	targets, records, training and aspects register.	
	Management		
	System		
6	Vehicle	Vehicle Maintenance Contractor to be hired for	This has been postponed
	Maintenance	AES Group to provide a more reliable and	indefinitely
	Programme to be	traceable service	-
	reviewed		

	Table 5.2Proposed Objectives & Targets for 2012							
Ref.	Objective	Target	Timescale	Respons.	Status			
1	Maximise Recovery of Recyclables	Roll out Household Brown Bin in 2012	Aug-12	MD	Ongoing.			
2	Diversion of	Roll out Household Brown Bin in 2012	Aug-12	MD	Ongoing			
	biodegradable waste from landfill	The quantity of BMW sent to Landfill will be calculated on a quarterly basis to ensure that Diversion Targets are met.	Dec-12	MD	Ongoing			
3	Environmental Monitoring	onmental nitoringAs per Waste Licence: Should any limits be exceeded, corrective actions to be implemented.		MD/IH/C G	Ongoing			
	Efficiency of Fuel Consumption	Streamline Routes. Computer programme to manage colle ction route to ensure maximum efficiency of labour and raw materials	Dec-12	Logistics Manager	Streamlining is ongoing as new customers/routes are added and will be reviewed continuously.			
		Drivers to complete EcoDrive Training	Dec-12	IH	Ongoing			
		Continued use of Dipetane Fuel Additive to improve fuel economy, reduce emissions, extend oil life and reduce engine wear.	Dec-12	IH	Ongoing			
4		Trial new fuel saving device called Eco-Trak which records fuel usage, journey time, MPG, idling time, odometer details, average load and carbon (t) usage	Jun-12	IH	Trials commenced in March 2012 - Preliminary results indicate a projected saving of c. 200001 per month			
		Investigate the feasibility of locating a truck parking premises in the Dublin region to minimise unnecessary fuel usage	May-12	MD/IH	Premises located in Feb 2012, Trucks that service the Dublin Market have been parked there. Indicative fuel saving suggests >250001 / month saved			
5	Upkeep of Environmental Management System	Ongoing review of precedures, objectives & targets, records, training and aspects register.	Dec-12	Enviro Team	Ongoing			

A report on the progress against the proposed Objectives and Targets for 2012 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, W0131-02. 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;

- ♦ Noise Annually
- Dust Deposition Three times per year
- Storm Water Weekly & Quarterly
- Emissions to Sewer Quarterly
- Bioaerosol Monitoring
 Annually
- Groundwater Bi-annually

Sections 6.0 present a summary of the Environmental Management Programme. These sections review the reports on the previous year (2010) and present proposals for the current year (2011).

6.1 Noise Monitoring Report Summary

In compliance with the requirements of the Waste License, W0131-02, noise monitoring at the Midlands Waste Transfer Station was undertaken. Monitoring was carried out on the 29th April 2011 (Report Ref. ECS3930).

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 monitoring maps attached 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 West corner of site,.		
N4	Boundary	South East corner of site.		
N5	Noise Sensitive Location	North East of site (GAA grounds)		
N6	Noise Sensitive Location	South of Site (Housing Est.)		

	,	Table 6.2	Noise Monit	oring Results	5			
	Noise Results 29 th April 2011							
Location	Duration	Start	LAeq	LA10	LA90	LAFmax		
	(mins)	Time	dB (A)	dB (A)	dB (A)	dB (A)		
N1	30	9:24	53	53	47	79		
N2	30	10:00	53	55	48	69		
N3	30	10:34	49	50	41	83		
N4	30	11:07	54	57	41	72		
N5 (NSL)	30	12:01	49	51	42	72		
N6 (NSL)	30	14:36	47	50	40	69		

The day-time site boundary LA_{eq} levels ranged between 49 dB(A) at N3 to 54dB(A) at N4. All readings were within the respective Waste License limit for day-time noise (55 dB(A)).

The day-time LA_{eq} levels at the NSL's were 49 dB(A) at NSL-5 and 47dB(A) at NSL-6 which are within the respective Waste License limit for day-time noise (55 dB(A)).

Tonal noise was not detected at any noise sensitive or boundary location.

The AES facility at Proudstown, Navan, Co. Meath was not causing any nuisance noise to the receiving environs on the date and time the noise monitoring assessment took place.

6.2 Ambient monitoring Report Summary

In compliance with the requirements of the Waste License, W0131-02, dust monitoring at the Midlands Waste transfer Station was undertaken. Monitoring was carried out three times during the reporting period.

There are three dust monitoring locations on site, detailed in Table 6.3 and attached in Appendix 1 (map of monitoring locations).

Table 6.3 Dust Monitoring Locations				
Sample Name	Grid Co-ordinates	Location		
D1	286877E, 269773N	Back of site (Southeast)		
D2	286777E, 269892N	Front of Site, near workshop (Adjacent to road) (Northwest)		
D3	286814E, 269889N	Front of Site, at weigh-bridge (Adjacent to road) (North)		
D4	286882E, 269871N	Located in Car Park (Northeast)		

Four dust sample jars were installed for a 31 day period; $31^{st} Jan - 3^{rd} Mar(Round 1)$, for a 32 day period $9^{th} May - 10^{th} Jun (Round 2)$ and finally for a 28 day period $19^{th} Aug - 16^{th} Sept$ (Round 3). The results for the monitoring are presented in Table 6.4 below.

Table 6.4Dust Monitoring Results (mg/m²/day)						
Report Ref.ECS3821ECS		ECS3930	ECS4028			
		Round 1	Round 2	Round 3		
Monitoring	Depositional	Deposition Rate	Deposition Rate	Deposition Rate		
Location	Dust Limit	31 st Jan-3 rd Mar	9 th May-10 th Jun	19 th Aug - 16 th Sept		
D1	350	100	151	68		
D2	350	1,010	710	602		
D3	350	389	1,565	1,094		
D4	350	61	264	111		

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

As can be seen in Table 6.4, exceedences were noted at locations D2 and D3 for each depositional dust monitoring event.

- D2 This sample jar is exposed from passing traffic entering/exiting the Kilsaran quarry. The results of directional dust monitoring confirm that the highest results were received in the north (towards quarry) facing dust jar. It is also worth noting that this monitoring location is situated in the middle of a mature, dense, evergreen hedgerow. Therefore the sample jar is subject to dust from these trees and associated insects and wildlife.
- D3 These exceedences were attributed to passing traffic on the access road to the AES and Kilsaran Quarry sites. The results of directional dust monitoring confirm that the highest results were received in the North and West (towards quarry traffic) facing dust jar.

The results of depositional dust monitoring at locations D1 and D4 were within the limit (350 mg/m³/day).

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

In accordance with the requirements of Waste Licence, W0131- 02, the facility is required to conduct monitoring of Storm Water and Emissions to Sewer from the facility on a quarterly basis.

Emission limits for trade effluent and storm water are not specified in the Waste Licence. It should also be noted that this effluent is sent by tanker to the local authority WWTP.

Table 6.5Storm Water Monitoring	& Emissions to Sewer Monitoring Locations.	
Monitoring Location	Description	
GWE-2 (Storm Water)	NW corner of site	
GWE-3 (Storm Water)	East of site	
Emissions to Sewer	Trade effluent storage tank beside fuel tank.	

A map detailing the monitoring locations is attached in Appendix 1.

The results of monitoring emissions to sewer are presented in Table 6.6, while the results for storm water monitoring is presented in Table 6.7.

Table 6.6Emissions to Sewer Monitoring Results.				
Report Ref.	ECS3821	ECS3930	ECS4028	ECS4029
Parameter	Sewer	Sewer	Sewer	Sewer
	Sample	Sample	Sample	Sample
	Quarter 1	Quarter 2	Quarter 3	Quarter 4
pH (pH units)	6.3	6.4	5.0	4.6
TOC (mg/l)	620	120	1377	3085
BOD (mg/l)	763	165	2900	6325
COD (mg/l)	2070	935	4680	9775
TSS (mg/l)	302	385	502	840
Sulphate (mg/l)	310.52	66.03	318.46	406.35
Copper (mg/l)*	52	64	10	216
Zinc (mg/l)	375	570	839	2967
OFG (mg/l)	64	46	22	78
**DRO (mg/l)	3994	290	15770	10130
**Mineral Oil (mg/l)	<10	<10	6310	<10
MBAS (mg/l)	0.14	0.15	0.51	0.21

* The concentration of mineral oil was not determinable due to sample matrix interference.

** Sub-Contracted Test

Table 6.7	Table 6.7 Storm-Water Monitoring Results GWE-2				
Report Ref.	ECS3821	ECS3930	ECS4028	ECS4029	
Parameter	Quarter 1	Quarter 2	Quarter 3	Quarter 4	
pH (pH units)	7.2	7.56	6.92	7.21	
Conductivity (µs/cm)	58	156.1	42.8	28.4	
BOD (mg/l)	<2	10	<2	<2	
COD (mg/l)	28	28	21	16	
TSS (mg/l)	<5	30	<5	5	
Total N (mg/l)	1.9	2.2	<1	<1	
Ammonia (mg/l)	1.24	0.89	0.46	0.36	
Sto	orm-Water Mo	nitoring Results	GWE-3		
Report Ref.	ECS3821	ECS3930	ECS4028	ECS4029	
Parameter	Quarter 1	Quarter 2	Quarter 3	Quarter 4	
pH (pH units)		7.44	6.88	8.28	
Conductivity (µs/cm)	Í ľ	141 5	15.0	= <i>- -</i>	
		141.5	45.2	72.5	
BOD (mg/l)		141.5 7	45.2 <2	<2	
BOD (mg/l) COD (mg/l)	Note 1	141.5 7 23	45.2 <2 18	72.5 <2 11	
BOD (mg/l) COD (mg/l) TSS (mg/l)	Note 1	141.5 7 23 8	45.2 <2 18 <5	72.5 <2 11 <5	
BOD (mg/l) COD (mg/l) TSS (mg/l) Total N (mg/l)	Note 1	141.5 7 23 8 2.2	45.2 <2 18 <5 <1	72.5 <2	

Note 1 - Results for GWE-3 are not available as no sample was collected due to minimal rain fall during monitoring

6.4 Bio-aerosol Monitoring results Summary

Bio-aerosol monitoring was carried out at the facility as per the conditions of the Waste Licence, W0131-02 on the 22^{nd} August 2011.

The bio-aerosol sampling was undertaken at three locations in the vicinity of the facility, detailed in Table 6.8. These locations were selected following a review of the prescribed sampling locations in the UK Composting Association's – *Standardises Protocol for the Sampling and Enumeration of Airborne Microorganisms at Composting Facilities, 1999.*

TABLE 6.8: Location of Bioaerosol Sampling Positions					
Sampling Station	Identity	Boundary Location	GPS Ref. Note 1		
Location 1	SR - A/B	Sensitive Receptor Housing estate south east of site.	IN87003 69613		
Location 2	UW - A/B	Upwind boundary 30 m north west of the AES Boundary site	In 86476 69911		
Location 3	DW - A/B	Downwind location (South of GAA Club House to NE of Site)	IN 87196 69976		

Note 1 – Irish Grid is the unit of reference

The summary results of bio-aerosol monitoring are presented in Table 6.9 below & Table 6.10 overleaf

Table 6.9	Results of T	sults of Total Bacterial Monitoring (Report Ref ECS3930)			
Location	Time	Total No. of Colonies	Concentration cfu/m ³		
UW-A	10:05 - 10:30	45	63.6		
UW-B	12:20 - 12:55	90	127.2		
Average		67.5	95.4		
SR-A	11:25 – 11:50	40	56.5		
SR-B	14:40 - 15:05	32	45.2		
Average		36	50.9		
DW-A	10:40 - 11:05	19	26.9		
DW-B	14:00 - 14:25	9	12.7		
Aver	age	14	19.8		

Table 6.10	Results of Aspergillus	Monitoring (Report I	Ref ECS3930)
Sampling Location	Time	Total No. of Colonies	Concentration cfu/m ³
UW-A	10:05 - 10:30	0	0
UW-B	12:20 - 12:55	0	0
Ave	rage	0	0
SR-A	11:25 – 11:50	0	0
SR-B	14:40 - 15:05	0	0
Ave	rage	0	0
DW-A	10:40 - 11:05	0	0
DW-B	14:00 - 14:25	0	0
Ave	rage	0	0

Bioaerosols were not detected in blank samples; Blank 1 (Bag) and Blank 2 (DWA). This would suggest that the results of the monitoring event were carried out in accordance with the ANUA SOP for Bioaerosol monitoring (TS-A-12) and the results are therefore deemed representative, with no cross contamination reported.

Results of bioaerosols indicated that Total Bacteria levels were present at the upwind of site (95.4 cfu/m^3), downwind (19.8 cfu/m^3) of site and at the Sensitive Receptor (50.9 cfu/m^3).

Aspergillus fumigatus was not detected at the upwind, downwind or sensitive receptor locations.

As the upwind location (19.8 cfu/m^3) displays higher Bi-aerosols than the downwind location (19.8 cfu/m^3) and sensitive receptor (50.9 cfu/m^3), it is reasonable to suggest that activity at the AES facility is not causing elevated levels of bioaerosols at Sensitive Receptors.

6.5 Ground Water Monitoring results Summary

In accordance with the requirements of the company's Waste Licence, W0131- 02, AES are required to conduct monitoring of the Groundwater underlying the Navan facility on a biannual basis.

As there is no access to groundwater's on the AES site, a grab sample was extracted from a well via a tap (Kilsaran well) located in the neighbouring industrial facility. This monitoring point is agreed with the Agency and represents the quality of the groundwater's underlying the AES Navan facility.

TABLE 6.11: LOCATION OF GROUND WATER SAMPLING WELL				
Sample Point	Location			
GW-1 (Groundwater)	(Kilsaran well) Tap on left hand wall of workshop in Kilsaran facility			

Groundwater monitoring was undertaken in January and November 2011 and the results are presented in Table 6.12.

Table 6.12	Groundwater Monito	ring Results (GW-	1)
Parameter	Round 1	Round 2	Guideline
	Report Ref.	Report Ref.	Threshold
	ECS3821	ECS4028	Values Noter
pH (pH units)	7.6	7.6	6.5-9.5
Conductivity @ 25°C	874	853	800-1875
$(\mu S/cm)$	074	055	000-1075
COD (mg/l)	<10	13	-
Chloride (mg/l)	28.74	28.92	24-187.5
Fluoride (mg/l)	<0.10	< 0.1	1.0 ^{Note 2}
Ammonia-N (mg/l)	< 0.02	< 0.02	0.05-0.136
Total Nitrogen (mg/l)	<1.00	<1	-
Nitrate as N(mg/l)	<0.2	0.08	8.47
Total Coliforms	11	0	_
(MPN/100ml)		Ŭ	
Faecal Coliforms	1	0	_
(MPN/100ml)	_	~	
VOC's USEPA 524.2 (µg/l)	<10	<10	-

Note 1 : GTV = Groundwater Threshold Values refers to "*European Communities Environmental Objectives (Groundwater) Regulations, 2010 (S.I. No. 9 of 2010)*". "Threshold Values" have been established for pollutants that are causing a risk to groundwater bodies. Exceedance of a relevant threshold value at a representative monitoring point triggers further investigation to confirm whether the criteria for poor groundwater chemical status are being met.

Note 2: Guide Values refers to EPA Guideline Values for the Protection of Groundwater in Ireland, IGV = Interim Guideline Value. Note these standards are presented for guideline purposes only, therefore, due care should be exercised in cross-referencing these standards with the groundwater results obtained.

The results of the bi-annual groundwater monitoring events show that all parameters tested were within their respective IGV/GTV's. There was no volatile organic compounds (USEPA 524.2) detected.

6.6 Tank and Pipeline Testing & Inspection Reports

Condition 6.7 of the Waste License states;

"The integrity and water tightness of all underground pipes and tanks and their resistance to penetration by water or other materials carried or stored therein shall be tested and demonstrated by the licensee. The 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'

Integrity Testing of the following bunds was carried out in February/April 2009 and found to be compliant.

- 1. Diesel Tank Bund
- 2. Diesel Filling Station Bund
- 3. Detergent Bund
- 4. Hydraulic Oil Storage Tank Bund Garage Area
- 5. Oil Storage Tank Bund (Green) Garage Area
- 6. Oil Storage Tank Bund (Blue) Garage Area

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

6.7 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:

- Ti maximise the recovery of recyclables, through the roll-out of the household brown bin during 2012.
- The quantity of BMW sent to Landfill will be calculated on a quarterly basis to ensure that Diversion Targets are met.
- Continued environmental monitoring as per Waste licence W0131-02.
- To maintain and upkeep the EMS.

7.0 SITE DEVELOPMENT & INFRASTRUCTURAL WORK

7.1 Current Infrastructure in-place

The facility is currently licensed to accept a maximum of 95,000 tonnes of waste per annum (38,000 tonnes of Household waste, 33,250 tonnes of Commercial and Industrial waste and 23,750 tonnes of Construction and Demolition waste).

In compliance with Condition 3.19.3 of the Waste Licence, W0131-02 the facility has calculated the duty capacity and the standby capacity of the pant. This information is summarised in Table 7.1. The current waste handling and processing equipment is capable of handling 1752 tonnes/day and 2568 tonnes/day respectively.

Table 7.1 Summary list of plant machinery & duty capacity + standby capacity of plant					
Equipment	Standby	Max. Standby Capacity			
X2 Industrial compactors	1 x standby compactor (can be	22 tonnes per hour each			
	sed to compact newsprint and/or	528 tonnes/ day			
	non rec. waste)				
X2 Tromelling line belt	Use of compactors on-site	20 tonnes per hour each			
		480 tonnes/ day			
X1 Baler	Use of compactors on-site	10 tonnes per hour			
		120 tonnes/ day			
X1 Bobcat	There is 1 Volvo Bobcat on-site	20 tonnes per hour			
		240 tonnes/ day			
X3 Hitachi & 1 grab	Grab lifts & Bobcats, Samsung	20 tonnes per hour each			
	onsite can be used	720 tonnes/ day			
X1 Forklift	Bobcats on-site can be utilised	20 tonnes per hour			
		240 tonnes/ day			
Samsung grab	Bobcats, Hitachi/ Grabs can be	30 tonnes per hour			
	utilised	360 tonnes/ day			
Conveyor Belt	Floor manual sorting areas &	10 tonnes per hour			
	bobcats	120 tonnes/ day			
Volvo & Cat loading shovel	Grabs on-site can be utilised	80 tonnes per day each			
		24 tonnes/ day			
X2 Shredders	Compactors on-site can be	50 tonnes per hour each			
	utilised	1200 tonnes/ day			
Blender Unit for vertical	Use of ejector trailers	10 tonnes per hour			
composting		120 tonnes/ day			
Vertical Composting unit	Use of compactor & ejector	80 tonnes/ week (4			
	trailer on-site	chambers each handling 20			
		tonnes for a period of 7 days)			

7.2 Site Development Works during 2011

Midland Waste was not in a position to increase the area of hard-standing during 2011 as planned.

7.3 **Proposed Development Works for 2012**

There are no proposed development works scheduled for 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 may be stored on site at any given time.

AES and Bord na Móna (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

All environmental incidents and complaints are recorded at the facility. During the 2011 reporting period, no complaints were received.

9.2 Reported Incidents Summary

All environmental incidents are recorded at the facility. Three incidents were recorded by the site during the 2011 reporting period, which were reported to the Agency.

- 1. Dust emissions recorded from the facility during the period 31^{st} Jan 3^{rd} March 2011 at locations D2 & D3. These were reported to the Agency.
- 2. Dust emissions recorded from the facility during the period 9th May 10th June 2011 at locations D2 & D3. These were reported to the Agency.
- 3. Dust emissions recorded from the facility during the period 19th Aug 16th Sept 2011 at locations D2 & D3. These were reported to the Agency.

As the exceedences were primarily attributed to contamination of the dust jars and from the passing of traffic on the adjacent country road, no corrective action was deemed necessary.

9.3 Accident Prevention and Emergency Response

Condition 9.1 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... ensure that 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 attached 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

Map of Monitoring Locations



APPENDIX 2

Accident Prevention & Emergency Response

Document Approv	ed by:			Revision:	0
			S	Issue Date:	01/09/10
Site Ma	nager	AFFANCES EAFFA	avan sponse Plan	Page:	Page 1 of 3
Title Gener	al Emerger	ncy Preparedness & Res	ponse		
Purpose:	To identify	y the potential for, and to	respond to, accidents and	emergency	situations, a
	to prevent	and mitigate the environm	nental impacts that may b	e associated	d with them.
Scope:	The Scope	e of this procedure is the a	pplication of the Environ	mental Eme	ergency Plan
	TREAT	pergency Prenaredness an	d Response		
References	HPDOF		a recoporate		
References:	EP 5.0 En EPL 5.1 H	Emergency Contact List			
References:	EP 5.0 En EPL 5.1 H EP 6.0 Er	Emergency Contact List ivironmental Incident Invi	estigation and Reporting		
References:	EP 5.0 En EPL 5.1 H EP 6.0 En EP 7.0 No	Emergency Contact List nvironmental Incident Invi n Conformance Procedur practice and Procentice A	estigation and Reporting e		
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<u>References:</u> <u>Incident Con</u> <u>Emergency (</u> <u>Service / Age</u> EPA Regiona Inspectorate	EP 5.0 En EPL 5.1 I EP 6.0 Er EP 7.0 No EP 8.0 Co Emergenc Safety Sta Material S Material S ttact List:	Emergency Contact List rvironmental Incident Invo n Conformance Procedur rrective and Preventive A y Plan tement afety Data Sheets t for AES Navan Address McCumiskey House, Richview, Clonskeagh Road, Dublin 14. County Hall,	Estigation and Reporting E ction Procedure Telephone Numbers 01-268 0100 1890 335599 046-9097000	Fax / e-1 01-268 0 info@ep 046-909	nail)199 a.ie 7001
References: Incident Con Emergency C Service / Age EPA Regiona Inspectorate Meath County	EP 5.0 En EPL 5.1 I EP 6.0 Er EP 7.0 No EP 8.0 Co Emergenc Safety Sta Material S ttact List: Contact List ney	t for AES Navan Address McCumiskey House, Richview, Clonskeagh Road, Dublin 14. County Hall, Navan, Navan,	Telephone Numbers 01-268 0100 1890 335599 046-9097000	Fax / e-1 01-268 0 info@ep 046-909 info@me	nail)199 a.ie 7001 eathcoco.ie
References: Incident Con Emergency (Service / Age EPA Regiona Inspectorate Meath County Eastern Portion	EP 5.0 En EPL 5.1 I EP 6.0 Er EP 7.0 No EP 8.0 Co Emergenc Safety Sta Material S tact List: Contact List ncy	Emergency Contact List wironmental Incident Invo n Conformance Procedur rrective and Preventive A y Plan tement afety Data Sheets t for AES Navan Address McCumiskey House, Richview, Clonskeagh Road, Dublin 14. County Hall, Navan, Co. Meath. 15a Mein Street	estigation and Reporting ction Procedure Telephone Numbers 01-268 0100 1890 335599 046-9097000	Fax / e-i 01-268 (info@ep 046-909 info@me	nail 0199 a.ie 7001 eathcoco.ie
References: Incident Con Emergency (Service / Age EPA Regiona Inspectorate Meath County Eastern Regio Fisheries Boa	EP 5.0 En EPL 5.1 I EP 6.0 Er EP 7.0 No EP 8.0 Co Emergenc Safety Sta Material S ttact List: Contact List ney	Emergency Contact List vironmental Incident Invo n Conformance Procedur rrective and Preventive A y Plan tement afety Data Sheets t for AES Navan Address McCumiskey House, Richview, Clonskeagh Road, Dublin 14. County Hall, Navan, Co. Meath. 15a Main Street, Blackrock.	Estigation and Reporting Ection Procedure Telephone Numbers 01-268 0100 1890 335599 046-9097000 01-2787022	Fax / e-1 01-268 (0 info@ep 046-909 info@me 01-2787/ info@er	nail 0199 a.ie 7001 eathcoco.ie 025 tb.ie

Emer	gency Response Plan		Document: EP 05-ERP-0
Docum	nant Approved by:		Revision: 0
		ES	Issue Date: 01/09/10
50	Site Manager	AES Navan	Page: Page 1 of 4
	Eme	rgency Response Plan	
Title	Spill Clean up procedure		
Purp	 This procedure details the substance on site. It is re Protection Protection Protection Prevention 	e steps to be taken when dealing wi quired in order to: t Employees t the Environment at Fugitive Emissions	th a spillage of a hazardo
Scope	This procedure applies to	AES Navan.	
Proce	dure:		
Note:	This procedure should be follow occur.	ed for all small, large and massive	spills, which may
	Definitions:		
	Small Spill: Less than 5 litres		
	Large Spill: Greater than 5 lits	es and less than 250 litres.	
	Massive Spill: Greater than 250	litres	
	Hazardone matariale shall be be		N 1
1.	mazardous materiais snail de na	ndled (loaded, unloaded and move	d) by a competent
1.	person using the correct equipn precautions should be taken at al	ndled (loaded, unloaded and move ent and appropriate protective clo l times to minimise the risk of accid	d) by a competent thing. Appropriate lental spillage.
1. 2.	person using the correct equipm precautions should be taken at al In the event of a spillage occur shall initially investigate the follo	ndled (loaded, unloaded and move ent and appropriate protective clo l times to minimise the risk of accid ring, the Site Manager or the Dep wing issues:	d) by a competent thing. Appropriate lental spillage. puty Site Manager
1.	 Prazartious materials shall be had person using the correct equipm precautions should be taken at al. In the event of a spillage occur shall initially investigate the follo How long it has been since the since	ndled (loaded, unloaded and move ent and appropriate protective clo l times to minimise the risk of accid ring, the Site Manager or the Dep wing issues: e incident occurred.	d) by a competent thing. Appropriate lental spillage. puty Site Manager
1.	 In the event of a spillage occur shall initially investigate the follo How long it has been since the consult the relevant data she method of spill containment and the spill containm	ndled (loaded, unloaded and move eent and appropriate protective clo l times to minimise the risk of accid ring, the Site Manager or the Dep wing issues: he incident occurred. ets (Material Safety Data Sheets or and fire control of the affected mate	d) by a competent thing. Appropriate lental spillage. outy Site Manager otherwise) for the trial.

Bmer	gency response Plan				Do	cument:	EP 5.0-ERP
Docum	sant Approved by:				R	evision:	0
		A	VE	S	Issu	ae Date:	01/09/10
52	52 	ADVANCED LNP	ATC N		LAND	Page:	Page 1 of
_	Site Manager	Emer	gency Respo	nse Plan			
Title	Fire / Explosio	n Procedure					
2		20 1 10 10 10 10 10 10 10 10 10 10 10 10					
Ригро	se: A procedu reasons:	re to deal with f	ire/explosion	emergencies	is required	for the fo	ollowing
	To prot	ect Employees.					
	 To prot To pret 	ect the Environ ent fugitive emi	ment. ssions.				
20	- io pice						
Scope	: This proce	dure applies to A	AES Navan				
1990		SF2					
Procee	dure: Employees shall o they cannot tacl	nly attempt to f kle a fire safi	ight a fire if s ely and effe	afe to do so. ctively, <u>EV</u>	If an empl	loyee fee	ls that ALL
Procee 1. 2.	dure: Employees shall o they cannot tack <u>PERSONNEL IS</u> The Site Manager manner. All staff evacuation point.	nly attempt to f kle a fire saf <u>THE PRIMA</u> or Deputy Site and contractors	ight a fire if s ely and effe <u>RY PRIORIT</u> Manager sha shall be instr	afe to do so. ctively, <u>EV</u> <u>Y.</u> Il evacuate ti ucted to wall	If an empl <u>ACUATIO</u> he area in a k briskly to	oyee fee <u>NOF</u> calm, ef	ls that ALL ficient gnated
Procee 1. 2. 3.	dure: Employees shall o they cannot tack <u>PERSONNEL IS</u> The Site Manager manner. All staff evacuation point. In the event of a to account for all o	nly attempt to f kle a fire saf <u>THE PRIMA</u> or Deputy Site and contractors fire/explosion of employees and c	ight a fire if s ely and effe <u>RY PRIORIT</u> Manager sha shall be instr courring, the s contractors that	afe to do so. ctively, <u>EV</u> <u>II</u> evacuate th ucted to wall Site Manager at may be pre	If an empl ACUATIO he area in a k briskly to r shall comp esent on-site	loyee fee <u>NOF</u> calm, ef the desig	ls that <u>ALL</u> ficient gnated oll call
Proces 1. 2. 3. 4.	dure: Employees shall o they cannot tack <u>PERSONNEL IS</u> The Site Manager manner. All staff evacuation point. In the event of a to account for all The Site Manager with the individual	nly attempt to f kle a fire saf <u>THE PRIMA</u> or Deputy Site and contractors fire/explosion of employees and c shall identify th who discovered	ight a fire if s ely and effe <u>RY PRIORIT</u> Manager sha shall be instr courring, the contractors that e location of t d the fire and	afe to do so. ctively, <u>EV</u> <u>II</u> evacuate ti ucted to wall Site Manager at may be pre- the fire/explo shall take on	If an empl ACUATIO he area in a k briskly to r shall comp esent on-site sion risk the e of the foll	loyee fee <u>NOF</u> calm, ef the desig plete a ro plete a ro rough dia owing ac	ls that <u>ALL</u> ficient gnated oll call alogue ctions:
Proces 1. 2. 3. 4. 5.	dure: Employees shall o they cannot tack <u>PERSONNEL IS</u> The Site Manager manner. All staff evacuation point. In the event of a to account for all o The Site Manager with the individual Determine wheth fighting equipment	nly attempt to f kle a fire saft <u>THE PRIMAN</u> or Deputy Site and contractors fire/explosion or employees and c shall identify the l who discovered er the fire can t.	ight a fire if s ely and effe <u>RY PRIORIT</u> Manager sha shall be instr courring, the contractors that e location of t d the fire and be <u>SAFEL</u>	afe to do so. ctively, <u>EV</u> <u>Y.</u> Il evacuate th ucted to wall Site Manager to may be pre- the fire/explo shall take on <u>Y</u> isolated u	If an empl ACUATIO he area in a k briskly to r shall comp sent on-site sion risk the e of the foll utilising the	loyee fee <u>IN OF</u> calm, ef the desig plete a ro plete a ro cugh dia owing ac	ls that ALL ficient gnated oll call alogue ttions: le fire
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Emer	gency Response Plan		Docume	at: EP 5.0-ERP-
Docum	nant Approved by:		Revisi	on: 0
	1	AE	S Issue Da	nte: 01/09/10
	Site Manager	AES Navan Emergency Respon	se Plan	ge: Page 1 of 1
Title	Malicious Dama	age Procedure		
Purpo Scope	<u>vse:</u> This proced <u>:</u> This procedure	ure is required in order to mo ure applies to AES Navan.	nitor and prevent malicious	damage.
Proce	dure:			
1.	Where any occurre causing malicious d	nce of malicious damage is r lamage, the Site Manager shal	noted or where persons are l be informed as soon as is	e observed practical.
2.	Where malicious da significant environ undertakes to minim	amage results in a significant e mental impact, the Site M mise and repair the damage ca	environmental impact, or a anager shall be advised used.	potentially who then
3.	Persons observed c action. The Site Ma	ausing malicious damage sha anager, will report external per	ll be subjected to internal o rsons to the Gardaí.	lisciplinary
4.	Following an emery shall record details	gency, the Site Manager, or of the incident as per EP 6.0 I	other designated responsi incident Investigation and F	ble person Reporting.

Demain Approval by: Image:			2				2	
Site Manager AES Navan Emergency response Plan Use Date: 0.09/10 Title Unforeseen Emergencies and Fugitive emissions Page: Page: <th>Docum</th> <th>ant Approved by:</th> <th>1</th> <th>-</th> <th></th> <th></th> <th>Revision:</th> <th>0</th>	Docum	ant Approved by:	1	-			Revision:	0
Site Manager AES Navan Emergency response Plan Page: Page 1 of Title Unforeseen Emergencies and Fugitive emissions Page: Page 1 of Parpose: The purpose of this procedure is to outline the procedure to be adhered to in the evon of an unforeseen emergency. Scope: This procedure applies to the AES Navan. Procedure: 1 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 services a. Dial 112 for emergency services B. Request emergency service C. Give details of type of emergency and phone number in case call is indivertently discommeted Determine estimated time of arrival to site and communicate this information to the relevant member of ERT. B. Hang up only when told to do so by call recipient B. Hang up only when told 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 Team shall be mobilised paying due regard to the appropriate emergency response Team shall be mobilised paying due regard to the approprinte emergency response Team shall be mobilised paying due regard				4/	E	5	Issue Date:	01/09/10
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 g. Fit out details required by emergency contact log as soon as it safe to do so. 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). In the event the situation involves a Man Down, do not move the casualty until First Aid or Emergency Services give instruction. Once ERT arrive at the incident, all contractors and visitors must be directed to the assemb point. 		a. Dial 112 f b. Request e c. Give deta disconnec d. Provide in e. Determin relevant n	for emerge emergency ills of type cted nformation e estimated nember of	ncy services service of emergenc requested b l time of arri FRT	y and phone y call recipie val to site ar	number in c nt nd communic	ase call is inadv	ertently tion to the
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 In the event the situation involves a Man Down, do not move the casualty until First Aid or Emergency Services give instruction. Once ERT arrive at the incident, all contractors and visitors must be directed to the assemb point. 		 a. Dial 112 f b. Request e c. Give deta disconnec d. Provide in e. Determin relevant n f. Hang up o g. Fill out deta 	for emerge emergency ils of type cted nformation e estimated nember of only when etails requi	ncy services service of emergence requested b l time of arri ERT. told to do so red by emerg	y and phone y call recipie val to site ar b by call reci gency contac	number in c nt nd communic pient t log as soon	ase call is inadv cate this informa n as it safe to do	ertently tion to the so.
 Once ERT arrive at the incident, all contractors and visitors must be directed to the assemb point. 	3.	 a. Dial 112 f b. Request e c. Give deta disconnec d. Provide in e. Determin relevant n f. Hang up o g. Fill out de Should the incide guidance of the n Emergency Resp emergency response 	for emerge emergency uils of type cted information e estimated nember of only when etails require ent be deter most senior oonse Tean nse proced	ncy services service of emergence requested b l time of arri- ERT. told to do so red by emergent mined to be r representate a shall be m ure (EP 05-1)	y and phone y call recipie val to site an o by call recipie gency contact capable of the ive of mana, obilised pay ERP-1-5).	number in c nt nd communic pient t log as soon eing address gement on-s ing due rega	ase call is inadv cate this informa n as it safe to do sed in-house und ite, the Environ ard to the appro	ertently tion to the so. ler the mental opriate
	3. 4.	 a. Dial 112 f b. Request e c. Give deta disconnec d. Provide in e. Determin relevant n f. Hang up of g. Fill out de Should the incide guidance of the n Emergency Resp emergency responsion In the event the Aid or Emergency 	for emerge emergency ulls of type cted information e estimated nember of only when etails requir ent be deten most senior oonse Tean inse proced situation in cy Services	ncy services service of emergence requested b l time of arri- ERT. told to do so red by emergen mined to be r representat a shall be m ture (EP 05-1) nvolves a Ma give instruct	y and phone y call recipie val to site an o by call reci- gency contact capable of to ive of mana- obilised pay ERP-1-5). an Down, do tion.	number in c nt nd communic pient t log as soon eing address gement on-s ing due rega o not move t	ase call is inadv cate this informa n as it safe to do sed in-house und ite, the Environ ard to the appro- the casualty unt	ertently tion to the so. ler the mental opriate il First
	3. 4. 5.	 a. Dial 112 f b. Request e c. Give deta disconnec d. Provide in e. Determin relevant n f. Hang up of g. Fill out de Should the incide guidance of the n Emergency Resperence Emergency responsion In the event the Aid or Emergency Once ERT arrive point.	for emerge emergency uls of type cted information e estimated nember of only when etails requir ent be deter most senior oonse Tean nse proced situation in cy Services e at the inci	ncy services service of emergence requested b l time of arri- ERT. told to do so red by emergen mined to be representate a shall be m ure (EP 05-1) nvolves a Mi- give instruc- dent, all con	y and phone y call recipie val to site an o by call reci- gency contact capable of to ive of mana- obilised pay ERP-1-5). an Down, do tion. tractors and	number in c nt id communic pient it log as soon eing address gement on-s ing due rega o not move t visitors mus	ase call is inadv cate this informa n as it safe to do sed in-house und ite, the Environ and to the appro- the casualty unt t be directed to	ertently tion to the so. der the mental opriate il First the assembly

APPENDIX 3

Summary of Emissions and Waste Management (PRTR)



| PITTRE: W0131 | Facility Name : Midland Waste Disposal Company Limited | Fileneme : W0131_2011(1).dk | Return Year : 2011 |

Guidance to completing the PRTR workbook

AER Returns Workbook

	REFERENCE YEAR 2011
1. FACILI	TY IDENTIFICATION
	Parent Company Name Midland Waste Disposal Company Lim
	Facility Name Midland Waste Disposal Company Lim

PRTR Identification Number	W0131
Licence Number	W0131-02
Wards or IDDC Classros of Action	
waste or IPPC classes of Activity	laises name
44	Recycling or reclamation of other inormatic materials
	Blending or mixture origin to submission to any activity referred to in
244	a praceding paragraph of this Schadula
2.11	Reparkaging prior to submission to any activity referred to in a
3.12	preceding parament of this Schedule
	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
3 13	produced.
2.12	Lise of waste obtained from any activity referred to in a preceding
411	naragraph of this Schedule
	Exchange of waste for submission to any activity referred to in a
413	preceding paragraph of this Schedule.
	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
413	produced
	Recycling or reclamation of organic substances which are not used
	as solvents (including compositing and other biological
47	transformation processes)
4.3	Recycling or reclamation of metals and metal compounds.
Address 1	Clonmagaddan
Address 2	Proudstown
Address 3	Navan
Address 4	Co. Meath
ALCONDUCT AND ALCONDUCT	
and the second	Meath
Country	Ireland
Coordinates of Location	-6.68714 53.6705
River Basin Distric	IEEA
NACE Code	3832
Main Economic Activity	Recovery of sorted materials
AER Returns Contact Name	
AER Returns Contact Email Address	
AER Returns Contact Position	
ALH Returns Contact Telephone Number	
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	
Production Volume	0.0
Production Volume Units	
Number of Installations	
Number of Operating Hours In Year	
Number of Employees	0
User resultative ommente	
Web Abdress	

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 20	02)
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 ?	

			Quantity (Tornes per Yeat)		Wasta		Method Used		Hat Winds : None and LicencePentitic of Next Detination Facility <u>Next</u> Hat Wang Nexts and LicencePentit No of RecoverChippeer	Her made : Address of live Destination Facility Non Her Water Address of Fective/Deposer	Name and Ucenae / Permit No. and Address of Finel Recovery / Chapaser (HIZARDOUS HMOTE CMUT)	Actual Address of Finel Cestination La Final Recovery / Disposed Site (HeZeRCICUS WestTE CH4.1)
Transfer Destination	European Waste Code	Hazardoua		Description of Waste	Operation	NCE	Method Used	Treatment				
Within the Country	02 03 99	No	5.24	wastes not otherwise specified	R13	м	Weighed	Officities in Instand	DNM Kilberry,W0196-01	Kiberry,Co. Kildens,		
To Other Countries	15 01 01	No	2805.3	paper and cardboard packaging	R13	м	Weighed	Abroad	MLM,	Kingdom		
Within the Country	15 01 01	No	113.42	paper and cardboard packaging	R13	M	Welghed	Offsite in Ireland	Inth Packaging Recycling WPR-021/02	Ballymount Rd.,Walkinstown,Dublin 12, Jreland Ballymount		
Within the Country	15 01 01	No	540.0	paper and cardboard packaging	R13	м	Weighed	Offsite in ireland	Recycling, WPR-021.02	No., Weikinsown, Dubin 12, Jinland		
Within the Country	15 01 02	No	1.66	plastic packaging	RIS	м	Weighed	Offsite in Ireland	Thorton Waste Disposal/W0044-02	Kleen Rd, Belyfernot, Dublin 10, . Jreland Clermont Business		
Within the Country	15 01 02	No	26.34	plantic packaging	R13	м	Weighed	Offeite in Ireland	Leinster Environmental/Wp2005/06	Pk,Haggerdatown Dundalk,Co. Louth, Jreland Cappincur Ind Est,Deingean Md Tudemore, Co.		
Within the Country	15 01 02	No	14.52	plastic packaging	R13	м	Weighed	Offsite in Ireland	AES Tullemore,W0104-02	Offely, Jinland Belymecken Ind.		
Within the Country	15 01 02	No	8.7	plantic packaging	R13	м	Weighed	Offeite in Ireland	ROC,WFP-L5-0001-01	Est., Portisoiaa, Co. Laoix, Jreland Dailymount		
Within the Country	15 01 02	No	203.62	plantic packaging	R13	м	Weighed	Offsite in Ireland	Recycling, WPR-021/02	Rd, Wellondown, Dublin 12, Joeland Unit 2, Duleek Bus.		
Within the Country	15 01 04	No	9.55	metallic peckaging	R13	м	Weighed	Offsite in Ireland	MR,WFP090301	Masth, Joland		
Within the Country	15 01 04	No	44.82	metallic packaging	R13	м	Weighed	Offsite in Ireland	Wilton Weste ,W 05/03	Ceven, Intend 52 Creegh Bri Toomebridge Co		
To Other Countries	15 01 07	No	307.32	gless peckaging	R13	м	Weighed	Abroad	Glassidon Recycling,	Antrim, United Kingdom Kitts bellytemesduft Co.		
Within the Country	15 01 03	No	27.56	end-of-life tyres	R13	м	Weighed	Offsite in Ireland	Wilton Waste ,W 05/03	Ceven, Ireland Moorelown Drumistic Dundal		
Within the Country	16 01 03	No	6.25	end-of-life tyres	R13	м	Weighed	Offsite in Ireland	Rubber,DC/08/1136/01	k Co. Louth , Jireland Clarmont Business		
Within the Country	15 01 03	No	11.74	end-of-the tyres	R13	м	Weighed	Offsite in Ireland	Ecological,WP2008/06	Co. Louth, Jinland		
Within the Country	16 03 06	No	7.4	in 15 03 05	R13	м	Weighed	Offsite in Ireland	rsk,	Co. Meeth Jinland		
Within the Country	16 06 05	No	4.76	passes in pressure containers other than froze mentioned in 15 05 04 gases in pressure containers other than	R13	м	Weighed	Offsite in Ireland	Entr recycling, WP-SO-08-93	Deepwater quay, Finteldin, Co. Silgo, Jineland Commone Lane, Navan, Co.		
Within the Country	16 05 05	No	2.65	frome mentioned in 16 05 04 games in pressure containers other than	R13	м	Weighed	Offsite in Ireland	Commons Fuels,	Meathiteland Kitts.ballyjameeduff,Co.		
Within the Country	16 05 05	No	1.04	hose mentioned in 15 05 04	R13	м	Weighed	Offsite in Ireland	Witton Waste ,W 05/03	Ceven, , Ireland Kitts ballytemestuff Co.		
Within the Country	16 06 01	Yes	8.38	ked billaries	R13	м	Weighed	Offsite in Ireland	Witton Waate ,W 05/03	Cavan, Indend Unit 2,Duleek Bus. Pk. Duleek Co.	Cempine Recycling 474005451 Piers B	Campine Recycling 474925451 Barra
Within the Country	15 05 01	Yes	2.56	ked betwies	R13	M	Weighed	Offsite in Ireland	IMR,WFPIOR0301	Meeth_, Ireland	eigium Beigium	Deighm

			mixture of concrete, bricks, files and						
			ceramics other than those mentioned in 17					Drehid Weste Mgt	Killnagh Upper,Carbury,Co.
hin the Country	17 01 07	No	2395.52 01 06 mixture of concrete, bricks, tiles and	R13	м	Weighed	Offsite in Inland	Facility,W0201-03	Kilders, Jinland
hin the Country	17 01 07	No	ceramics other than those mentioned in 17 1017.3 01.08	R13	м	Weighed	Offsite in Ireland	Hamilatown,10/000-4/01	Hintelown,Neven,Co. Meeth, Joeland
in the Country	17 02 01	No	2281.0 wood	R13	м	Weighed	Offsite in Ireland	Wilton Waste ,W 05/03	Kiffs,bellyjemeeduff,Co. Ceven,,,Ireland
								Thorton Waste	Klean Rd Balyferrot Dublin
in the Country	17 02 01	No	12.94 wood	R13	M	Weighed	Offeite in Ireland	Disposal/W0044402	10, Jteland
h the Country	17 02 01	No	35.44 wood	R13	м	Weished	Offeite in Ireland	Panda Waste Recycling W0140-03	Reththragh, Beaupero, Nevan Co. Meeth. Iteland
		-							Nifs,bellyjamesduff,Co.
cian are country	12 04 02		cables other than those mentioned in 1704	Ris		the second second	Create in Internal	Average Average (average)	Kits,bellyjsmeeduff,Co.
Athin the Country	17 04 11	No	18.8 10	RIS	м	Weighed	Offsite in Instand	Wilton Waste ,W 05/03	Cevan, "Ireland Unit 2, Duleek Bus.
The De Courter	17.0414	100	cables other than those mentioned in 1704			Minister	Official in Instant	NR WERDOORSON	Pk.,Duleek Co.
and an County			soil and stones other than those mentioned	nis.			Cristie in Featra	and a contract of the second	Hintedown,Neven,Co.
Whin the Country	17 05 04	No	442.76 h 17 05 03	R13	M	Weighed	Offsite in Ireland	Hantalown,10/000401	Mesth, Joland
thin the Country	17 08 02	No	51.04 than those mentioned in 17.08.01	R13	м	Weighed	Offsite in Ireland	Recycling W0140-03	Co. Meeth, Jiward
-		1.00		-		territoria d	Calledon in Sectored	Drehid Weste Mgt	Killnegh Upper,Carbury,Co.
Actin the Country	19 00 00	NO	Haz ra ce-epecincation composit	Del.		and the second	Criste in Feario	r mong, recourses	Unit 2,Dulweit Bus.
State Bas Country	10 12 03		an an non-fermus metal			Minister	Official in Industri	MR WERDARD	Pk.,Duleek Co. Masth., baland
teres and covering	191200			n's	1000	the second se	Create in Feering		Kitta ballyjameacluff, Co.
thin the Country	191203	No	0.95 non-ferrous metal	R13	м	Weighed	Offsite in Ireland	Witton Waste ,W 05/03 Deable! Waste Mot	Ceven, Jelend Killnech Unner Certary Co.
thin the Country	19 12 09	No	11313.55 minerals (for example send, stones) ofter westes (including mixtures of materials) from mechanical treatment of	R13	м	Weighed	Offsite in Ireland	Facility,W0201-03	Kilden, Jinland
1000000000	1111111	12225	weeks other than those mentioned in 19 12		1000	10000000		0.000.000000000000000000000000000000000	Coobeg,Kikandra,Co.
thin the Country	191212	No	41.54 11 other wastes (including mixtures of materials) from mechanical treatment of	DI		Weighed	Offsite in Instand	Deliyraga, W0100-02	Wickow, Intend
White the Country	10 12 12	No.	Sec. 05. 11	DI		Walnut	Officia in Instand	Earlie Water Mgt	Käinegn Upper/Cerbury.Co.
			other weater (including mintures of meterials) from mechanical treatment of						
Whin the Country	191212	No	3297.74 11	D1	м	Weighed	Offete in Ireland	Envich.0600402	Meath_heland
			ofter westes (including mintures of materials) from mechanical treatment of						Creg
		1000	weater other than those mentioned in 19 12	222	1000			Greyhound Recycling,W0206	Avenue, Clondelkin, Dublin
Athin the Country	191212	No	15014.5 11 other weeke (including mixtures of malerials) from mechanical treatment of	RIS		Weighed	Offsite in Insend	01	22, reand
		1.000	weeks other than those mentioned in 19 12	S			in an other states of the	and the second	Certanslown, Duleek, Co.
Whith the Country	191212	No	59.42 11 offer westes (including miniures of materials) from mechanical treatment of	185	м	Weighed	Offsite in ireland	Indever, W0157-02	Mesth, Jreand
White the Country	10 12 12	10	weaks other than those mentioned in 19 12	Di		Maintent	Official in Instant	Knockharley landf8,W0146- 01	Knockharley ,Kentalown,Co.
and an owners			other weates (including mixtures of materials) from mechanical treatment of materials (including materials) (19.12)				Contra a selence	Mar. 1997.	Marrywell Ind
Within the Country	191212	No	232 11	R13	M	Weighed	Offsite in Ireland	Oxigen,W0208-02	22, iteland
		1.000	other weakes (including mintures of meterials) from mechanical treatment of						
White the Country	19 12 12	No	wates other than those mentioned in 19 12 2118 54 11	R13		Weithed	Offste in Indend	Thorton Weeks Discosel W0044-02	Kileen Rd, Dallyfermot, Dublin 10., Ireland
and a country					-				

									Larchill, Klocok, Co.
Within the Country	20 01 08	No	935.12 biodegradable kitchen and canteen wasta	R13	M	Weighed	Offsite in Ireland	Envich,06/00402.	Meeth, Joeland
			discarded electrical and electronic						Cappinour Ind Est, Deingeen
	-	1000	soupment other than those mentioned in 20			-	-		Rd Tulamore Co.
Within the Country	20 01 36	ND	20.92 01 21, 20 01 25 and 20 01 35	R12	M	wegoed	Offsite in Ireland	POWIC Medials, W0113-03	Ottaly, Jreand
									Cappendur Ind Eac, Dangaan
With the Country			T THE PROPERTY.			Million and	Contraction Instance	ARS Tolenon White, or	Official Industria
were an county	20 01 28	NO	7.30 percent	Reis		and the second	Office in Fearing		Delement
								Intel Packacing	Rd. Walkingtown Dublin
Within the Country	20 01 39	No	2.52 clastics	R13	M	Welched	Onable of carrentil	Beckling WPR-02102	12 Instand
					-				Clarmont Business
								Latrater	Pk, Haggardatown
Within the Country	20 01 39	No	75.05 playedce	R13	M	Weighed	Offsite in Ireland	Environmental,Wp2005/06	Dundelk, Co. Louth, Jreland
a ser a construction and the			A DAMAGE AND DESIGN			and the second second		Construction and a solution of the solution of	Delymacken Ind.
									Est, Portisoles, Co.
Within the Country	20 01 39	No	7.5 plastics	R13	M	Weighed	Onate of general	kROC,WFP-LS-0001-01	Lacis, Jreland
		1.000		-					Deepwater quiry, Finteldin, Co.
Within the Country	20 01 40	No	548.64 metala	RIS	M	Weighed	Offsite in Ireland	Entrin recycling, WP-SC-08-93	Silgo, Ireland
Within the Country	20 01 40	No	2.44 metals	Res		Weighed	Offsite in Ireland	MR,	and a second
									The Mannach Working Trees
Within the Country	20.01.40	No	405 14 metals	813		Walnut	Offsite in instand	Multimately 05-001401	Co Winites Island
					-				Kitte ballyterneschiff Co.
Within the Country	20 01 40	No	327.65 metals	R13	M	Weished	Offste in ireland	Witton Waste .W 05/03	Cavan, Indand
									Contraction of the second second
								Knockharley landfil,W0146-	Knockharley ,Kentetown,Go.
Within the Country	20 03 01	No	103.42 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	01	Meath, Ireland
								Thorton Weste	Kileen Rd, Ballyfermot, Dublin
Within the Country	20 03 01	No	12.55 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Disposal,W0044402	10, Jeland
									Cappinour Inc Ext, Deingean
		100		14.1	100				Ra, Tulamore Co.
within the Country	20 03 01	No	4100.90 mixed municipal waste	1013	-	weghed	Create in Ireland	AES TURMOR,W0104-02	Compy, preand
									Long Country Dants
Within the Country	20.03.04	No.	45 75 mixed municipal works	015	M	Manhood .	Officia in Industri	or an and the cycling, W0205	22. Indend
could be could by	20 00 01		Serve towns transportation		-			and the second se	Citoment Doumlet Co
Within the Country	20 03 01	No	\$43.55 mixed munkical waste	813	M	Weiched	Offsite in Ireland	Mulleady Waste W0165-01	Longford Instand
Contraction of Contraction							1.0.000		
								Thorton Weste	Kleen Rd. Ballyfermot. Dublin
Within the Country	20 03 01	No	1731.36 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Disposal/W00-66-02	10, Joeland
MACK NO.						State State		Drehid Waste Mgt	Killinegh Upper,Carbury,Co.
Within the Country	20 03 03	No	605.75 street-cleaning residues	R13	M	Weighed	Offsite in Ireland	Facility,W0201-03	Fäders, Jreland
									Kilmainham, Kalla, Co.
Within the Country	17 02 01	No	46.2 wood	R13	M	Weighed	Offsite in Ireland	Paddy Daty.	Meeth_ineland