


Facility Information Summary	
AER Reporting Year	2014
Licence Register Number	W0131-02
Name of site	Midlands Waste disposal Company Ltd
Site Location	Clonmagaddan, Proudstown, Navan, Co. Meath
NACE Code	
	Schedule 3 - Class 11, Class 12, Class 13, Schedule 4- recovery Activities, Class 2, 3, 4 , 11, 12, 13
Class/Classes of Activity	
National Grid Reference (6E, 6 N)	
	Waste Activities did not change significantly in the first half of the year to July 2014. However in July 2014, AES opened a waste licenced facility in Lusk (W0222-01) which has led to changes in the waste types accepted and processed in Navan. In February 2014, AES sought approval from the Agency to Bale MSW on a trial basis. Following a successful trial period, a full scale Waste baling proposal was submitted to the Agency which was approved in September 2014 subject to a waste compositional analysis taking place. Operations at the facility include the receipt of domestic, commercial, industrial and construction waste. By the end of 2014 only predominately household and compositionally similar commercial mixed waste was processed at the facility. C&D and Bulky wastes are now transferred to AES Lusk where they are processed. In Navan, mixed municipal wastes are unloaded on the floor of the waste processing building and any unsuitable materials are mechanically removed by grab machine. The grab machine then loads the MMW into a hopper which passes the waste onto a conveyor belt and into a 50mm screen trommel. Fines material less than 50mm is collected beneath the trommel and sent to Enrich Composting Ltd for biostabilisation. Oversize material (>50mm) leaving the trommel is passed under a magnet which removes ferrous metals. This oversize residual material is then transferred into a hopper and shredded prior to being baled and wrapped in plastic. Wrapped bales are then loaded directly into a trailer ready for dispatch to Drogheda Port for export. Metals are sent to Wilton waste and mixed Recyclable materials are sent to AES tullamore for further processing.
	With regards waste tonnage the facility processed 54% more waste in 2014 than the previous reporting year mainly due to the addition of key commercial clients, increased economic activity, purchase of additional domestic routes and increase in the processing of municipal wastes which is due to the increase in landfill levy in 2013. In 2014, there were No EPA inspections to the facility. There were 5 No. Non-Compliances issued by the EPA in 2014 relating to dust exceedances and non-notification of incidents.

A description of the activities/processes at the site for the reporting year. This should include information such as production increases or decreases on site, any infrastructural changes, environmental performance which was measured during the reporting year **and an overview of compliance with your licence listing all exceedances of licence limits (where applicable) and what they relate to e.g. air, water, noise.**

**Declaration:**

All the data and information presented in this report has been checked and certified as being accurate. The quality of the information is assured to meet licence requirements.

	14.04.15
Signature Environmental Officer	Date

**AIR-summary template** Lic No: W0131-02 Year 2014

Answer all questions and complete all tables where relevant

Additional information

1 Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current reporting year and answer further questions. If **you do not have** licensed emissions and **do not complete a solvent management plan** (table A4 and A5) you do not need to complete the tables

SELECT	
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**Periodic/Non-Continuous Monitoring**

2 Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below

SELECT	
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3 Was all monitoring carried out in accordance with EPA guidance note [Basic air monitoring checklist](#) AG2 and using the basic air monitoring checklist? [AGN2](#)

SELECT	
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**Table A1: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)**

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision therof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments -reason for change in % mass load from previous year if applicable
D1	Total Particulates	3 times per year	350	Daily average < ELV	291	mg/m2/day	no (if no please enter details in comments box)	OTH Based on VDI 2119 Blatt 2		The licence limit was exceeded once with a result of 410 mg/m2/day.
D2	Total Particulates	3 times per year	350	Daily average < ELV	1685	mg/m2/day	no (if no please enter details in comments box)	OTH Based on VDI 2119 Blatt 2		The licence limit was exceeded three times (1140 mg/m2/day),( 2176 mg/m2/day) and ( 1738 mg/m2/day).
D3	Total Particulates	3 times per year	350	Daily average < ELV	941	mg/m2/day	no (if no please enter details in comments box)	OTH Based on VDI 2119 Blatt 2		The licence limit was exceeded three times (1122 mg/m2/day),( 1008 mg/m2/day) and ( 695 mg/m2/day).
D4	Total Particulates	3 times per year	350	Daily average < ELV	276	mg/m2/day	no (if no please enter details in comments box)	OTH Based on VDI 2119 Blatt 2		The licence limit was exceeded once (421 mg/m2/day).

Note 1: Volumetric flow shall be included as a reportable parameter

**Continuous Monitoring**

4 Does your site carry out continuous air emissions monitoring?  
If yes please review your continuous monitoring data and report the required fields below in Table A2 and compare it to its relevant Emission Limit Value (ELV)

SELECT	
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5 Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below

SELECT	
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6 Do you have a proactive service agreement for each piece of continuous monitoring equipment?

SELECT	
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7 Did your site experience any abatement system bypasses? If yes please detail them in table A3 below

SELECT	
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**Table A2: Summary of average emissions -continuous monitoring**

Emission reference no:	Parameter/ Substance	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission	Annual maximum	Monitoring Equipment downtime (hours)	Number of ELV exceedences in current reporting year	Comments
	SELECT		SELECT	SELECT					
	SELECT			SELECT					
	SELECT			SELECT					
	SELECT			SELECT					
	SELECT			SELECT					

note 1: Volumetric flow shall be included as a reportable parameter.

**Table A3: Abatement system bypass reporting table**

[Bypass protocol](#)

Date*	Duration** (hours)	Location	Reason for bypass	Impact magnitude	Corrective action

\* this should include all dates that an abatement system bypass occurred

\*\* an accurate record of time bypass beginning and end should be logged on site and maintained for future Agency inspections please refer to bypass protocol link

Solvent use and management on site										
8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5										
SELECT										
<b>Table A4: Solvent Management Plan Summary Total VOC Emission limit value</b>			<a href="#">Solvent regulations</a> Please refer to linked solvent regulations to complete table 5 and 6							
Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and fugitive)	Total VOC emissions as % of solvent input	Total Emission Limit Value (ELV) in licence or any revision thereof	Compliance					
					SELECT					
					SELECT					
<b>Table A5: Solvent Mass Balance summary</b>										
		(I) Inputs (kg)			(O) Outputs (kg)					
Solvent	(I) Inputs (kg)	Organic solvent emission in waste	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g. by-	Solvents destroyed onsite through	Total emission of Solvent to air (kg)		
								Total		

1 Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions. If **you do not have** licensed emissions you only need to complete table W1 and or W2 for storm water analysis and visual inspections

2 Was it a requirement of your licence to carry out visual inspections on any surface water discharges or watercourses on or near your site? If yes please complete table W2 below summarising only any evidence of contamination noted during visual inspections

Additional information	
No	
No	

**Table W1 Storm water monitoring**

Location reference	Location relative to site activities	PRTR Parameter	Licensed Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments	
EMS	onsite	SELECT	pH	Quarterly		SELECT	7.0	µS/cm@25oC	SELECT		
EMS	onsite	SELECT	Total Organic Carbon (as C)	Quarterly			778	mg/L			
EMS	onsite	SELECT	BOD	Quarterly			3793	mg/L			
EMS	onsite	SELECT	COD	Quarterly			28610	mg/L			
EMS	onsite	SELECT	Suspended Solids	Quarterly			47506	mg/L			
EMS	onsite	SELECT	Sulphate	Quarterly			88	mg/L			
EMS	onsite	Copper and compounds (as Cu)		Quarterly			1.3	µg/L			
EMS	onsite	Zinc and compounds (as Zn)		Quarterly			34	µg/L			
EMS	onsite	SELECT	Fats, Oils and Greases	Quarterly			25	mg/L			
EMS	onsite	SELECT	Diesel range organics	Quarterly			372	µg/L			
EMS	onsite	SELECT	Mineral oils	Quarterly			260	µg/L			
EMS	onsite	SELECT	Detergents (as MBAS)	Quarterly		SELECT	3.8	mg/L	SELECT		
GWE2	onsite	SELECT	pH	Quarterly		SELECT	7.2	pH units	SELECT		
GWE2	onsite	SELECT	Conductivity	Quarterly			69	mg/L			
GWE2	onsite	SELECT	BOD	Quarterly			6.3	mg/L			
GWE2	onsite	SELECT	COD	Quarterly			29	mg/L			
GWE2	onsite	SELECT	Suspended Solids	Quarterly			15	mg/L			
GWE2	onsite	SELECT	Ammonia (as N)	Quarterly			0.74	mg/L			
GWE2	onsite	Total Nitrogen		Quarterly			2.1	µg/L			
GWE3	onsite	SELECT	pH	Quarterly		SELECT	5.2	pH units	SELECT		
GWE3	onsite	SELECT	Conductivity	Quarterly			67	mg/L			
GWE3	onsite	SELECT	BOD	Quarterly			4	mg/L			
GWE3	onsite	SELECT	COD	Quarterly			20	mg/L			
GWE3	onsite	SELECT	Suspended Solids	Quarterly			<5	mg/L			
GWE3	onsite	SELECT	Ammonia (as N)	Quarterly			1.1	mg/L			
GWE3	onsite	Total Nitrogen		Quarterly			1.6	µg/L			
Location Reference	Date of inspection	Description of contamination				Source of contamination	Corrective action	Comments			
						SELECT					
						SELECT					

**Licensed Emissions to water and /or wastewater(sewer)-periodic monitoring (non-continuous)**

3 Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below

Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA?

4 If no please detail what areas require improvement in additional information box

[External /Internal Lab Quality checklist](#) [Assessment of results checklist](#)

SELECT	Additional information	
SELECT		

**Table W3: Licensed Emissions to water and /or wastewater (sewer)-periodic monitoring (non-continuous)**

Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision thereof <sup>Note 2</sup>	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	Comments
	SELECT	SELECT	SELECT		SELECT		SELECT		SELECT	SELECT	SELECT	SELECT			

<b>AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)</b>										Lic No:	W0131-02	Year	2014	

Note 1: Volumetric flow shall be included as a reportable parameter

Note 2: Where Emission Limit Values (ELV) do not apply to your licence please compare results against EQS for Surface water or relevant receptor quality standards

**Continuous monitoring**

Additional Information

5 Does your site carry out continuous emissions to water/sewer monitoring?

If yes please summarise your continuous monitoring data below in Table W4 and compare it to its relevant Emission Limit Value (ELV)

6 Did continuous monitoring equipment experience downtime? If yes please record downtime in table W4 below

7 Do you have a proactive service contract for each piece of continuous monitoring equipment on site?

8 Did abatement system bypass occur during the reporting year? If yes please complete table W5 below

**Table W4: Summary of average emissions -continuous monitoring**

Emission reference no:	Emission released to	Parameter/ Substance	ELV or trigger values in licence or any revision thereof	Averaging Period	Compliance Criteria	Units of measurement	Annual Emission for current reporting year (kg)	% change +/- from previous reporting year	Monitoring Equipment downtime (hours)	Number of ELV exceedences in reporting year	Comments
	SELECT	SELECT		SELECT	SELECT	SELECT					
	SELECT	SELECT		SELECT	SELECT	SELECT					

note 1: Volumetric flow shall be included as a reportable parameter.

**Table W5: Abatement system bypass reporting table**

Date	Duration (hours)	Location	Resultant emissions	Reason for bypass	Corrective action*	Was a report submitted to the EPA?	When was this report submitted?
						SELECT	

\*Measures taken or proposed to reduce or limit bypass frequency

**Bund testing**

dropdown menu click to see options

**Additional information**

Are you required by your licence to undertake integrity testing on bunds and containment structures? If yes please fill out table B1 below listing all **new bunds and containment structures** on site, in addition to **all bunds which failed the integrity test** - **all bunding structures which failed including mobile bunds must be listed in the table below, please include all bunds outside the licenced testing period** (mobile bunds and chemstore included)

Yes	Last test Completed in 2012
3 years	Last test Completed in 2012 - scheduled for completion 2015
No	Last test Completed in 2012
12	Last test Completed in 2012
12	Last test Completed in 2012
11	Last test Completed in 2012
Yes	Last test Completed in 2012
11	Last test Completed in 2012
2	Completed April 2013
2	Completed April 2013
No	
N/A	
N/A	No Fire water retention pond on site

- 2 Please provide integrity testing frequency period
- Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore" type units and mobile bunds)
- 4 How many bunds are on site?
- 5 How many of these bunds have been tested within the required test schedule?
- 6 How many mobile bunds are on site?
- 7 Are the mobile bunds included in the bund test schedule?
- 8 How many of these mobile bunds have been tested within the required test schedule?
- 9 How many sumps on site are included in the integrity test schedule?
- 10 How many of these sumps are integrity tested within the test schedule?

**Please list any sump integrity failures in table B1**

- 11 Do all sumps and chambers have high level liquid alarms?
- 12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?
- 13 Is the Fire Water Retention Pond included in your integrity test programme?

**Table B1: Summary details of bund /containment structure integrity test**

Bund/Containment structure ID	Type	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest (if in current reporting year)
	SELECT					SELECT			SELECT	SELECT		SELECT		
	SELECT					SELECT			SELECT	SELECT		SELECT		

\* Capacity required should comply with 25% or 110% containment rule as detailed in your licence

Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance?

[bund and storage guidelines](#)

- 15 Are channels/transfer systems to remote containment systems tested?
- 17 Are channels/transfer systems compliant in both integrity and available volume?

Commentary	
SELECT	
SELECT	
SELECT	

**Pipeline/underground structure testing**

Are you required by your licence to undertake integrity testing\* on underground structures e.g. pipelines or sumps etc? If yes please fill out table 2 below listing all underground structures and pipelines on site **which failed the integrity test and all which have not been tested within the integrity test period as specified**

- 2 Please provide integrity testing frequency period
- \*please note integrity testing means water tightness testing for process and foul pipelines (as required under your licence)

Yes	
3 years	

**Table B2: Summary details of pipeline/underground structures integrity test**

Structure ID	Type system	Material of construction:	Does this structure have Secondary containment?	Type of secondary containment	Type integrity testing	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest (if in current reporting year)
Tank 1	Process	concrete	No	SELECT	CCTV	Yes	Pass				SELECT
Tank 2	Process	concrete	No		CCTV	Yes	Pass				
Tank beside Wash bay	Process	concrete	No		CCTV	Yes	Pass				

Please use commentary for additional details not answered by tables/ questions above

<b>Groundwater/Soil monitoring template</b>	Lic No: W0131-02	Year 2014
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			Comments
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	yes	Please provide an interpretation of groundwater monitoring data in the interpretation box below or if you require additional space please include a groundwater/contaminated land monitoring results interpretaion as an additional section in this AER  Results of bi-annual groundwater monitoring at the Kilsaran well downgradient to the site have shown a broadly similar trend to previous years monitoring events with no increases or notable changes found. Results were compared with the EPA Interim Guideline Values (IGVs) as set out in the Interim Report "Towards setting Guideline Values for the Protection of Groundwater in Ireland" 2004 and the "European Communities Environmental Objectives (Groundwater) Regulations, 2010 (SI No. 9 of 2010)". All parameters remain broadly in line with previous monitoring results and all were within their respective Limit Values.
2	Are you required to carry out soil monitoring as part of your licence requirements?	no	
3	Do you extract groundwater for use on site? If yes please specify use in comment section	no	
4	Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is there an upward trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below. <a href="#">Groundwater monitoring template</a>	no	
5	Is the contamination related to operations at the facility (either current and/or historic)	N/A	
6	Have actions been taken to address contamination issues? If yes please summarise remediation strategies proposed/undertaken for the site	N/A	
7	Please specify the proposed time frame for the remediation strategy	yes	
8	Is there a licence condition to carry out/update ELRA for the site?	yes	
9	Has any type of risk assessment been carried out for the site?	yes	
10	Has a Conceptual Site Model been developed for the site?	yes	
11	Have potential receptors been identified on and off site?	yes	
12	Is there evidence that contamination is migrating offsite?	no	

**Table 1: Upgradient Groundwater monitoring results**

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	SELECT**	Upward trend in pollutant concentration over last 5 years of monitoring data
										SELECT
										SELECT

.\* where average indicates arithmetic mean

.\*+ maximum concentration indicates the maximum measured concentration from all monitoring results produced during the reporting year

## Groundwater/Soil monitoring template

Lic No: W0131-02

Year

2014

Table 2: Downgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit	GTV's*	IGV	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
Biannually	Kilsaran Well	pH	APHA 2012 4500 H&B	Biannually	7.5	7.4	pH Units	-	≥6.5 and ≤9.5	no
Biannually	Kilsaran Well	Conductivity	APHA 2012 2510B	Biannually	816	809	µS/cm@25oC	800 – 1875	1000	no
Biannually	Kilsaran Well	COD	APHA,2012 5220D	Biannually	<10	<10	mg/l	-	-	no
Biannually	Kilsaran Well	Chloride	APHA 2012 4500-CL-E	Biannually	27	26	mg/l	187.5	30	no
Biannually	Kilsaran Well	Sulphate	APHA 2012 4110B	Biannually	66	65	mg/l	187.5	200	no
Biannually	Kilsaran Well	Ammonia as N	APHA 2012 4500-NH3 and bluebook Ammonia in waters 1981	Biannually	0	<0.02	mg/l	0.065-0.175	0.15	no
Biannually	Kilsaran Well	Total Nitrogen		Biannually	0.32	0.32	mg/l			no
Biannually	Kilsaran Well	Nitrate	APHA 2012 4500-NO <sub>2</sub> B. Colorimetric Method	Biannually	0.36	0.25	mg/l	37.5	25	no
Biannually	Kilsaran Well	VOC's	GC-FID, GC-MS Based on USEPA 524.2 method	Biannually	<1	<1	ug/l	-	-	no
Biannually	Kilsaran Well	Total Coliforms	MTM025	Biannually	31	31	cfu / 100 ml	0	0	no
Biannually	Kilsaran Well	Faecal Coliforms	MTM025	Biannually	31	31	cfu / 100 ml	0	0	no

\*please note exceedance of generic assessment criteria (GAC) such as a Groundwater Threshold Value (GTV) or an Interim Guideline Value (IGV) or an upward trend in results for a substance indicates that further interpretation of monitoring results is required. In addition to completing the above table, please complete the Groundwater Monitoring Guideline Template Report at the link provided and submit separately through ALDER as a licensee return or as otherwise instructed by the EPA.

[Groundwater monitoring template](#)

More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance (see the link in G31)

[Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites \(EPA 2013\).](#)

\*\*Depending on location of the site and proximity to other sensitive receptors alternative Receptor based Water Quality standards should be used in addition to the GTV e.g. if the site is close to surface water compare to Surface Water Environmental Quality Standards (SWEQS). If the site is close to a drinking water supply compare results to the Drinking Water Standards (DWS)

[Groundwater Surface water EQS](#) [Drinking water \(private supply\) standards](#) [Drinking water \(public supply\) standards](#) [Interim Guideline Values \(IGV\)](#)



**Table 3: Soil results**

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit
							SELECT
							SELECT

Where additional detail is required please enter it here in 200 words or less

**Environmental Liabilities template**

Lic No:

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Year

2014

[Click here to access EPA guidance on Environmental Liabilities and Financial provision](#)

			<b>Commentary</b>
1	ELRA initial agreement status	Submitted and not agreed by EPA;	
2	ELRA review status		
3	Amount of Financial Provision cover required as determined by the latest ELRA	€655,068.75	
4	Financial Provision for ELRA status	Submitted and not agreed by EPA;	
5	Financial Provision for ELRA - amount of cover	€655,068.75	
6	Financial Provision for ELRA - type		Not yet determined
7	Financial provision for ELRA expiry date	Enter expiry date	Not yet determined
8	Closure plan initial agreement status	Closure plan submitted and not agreed by EPA	
9	Closure plan review status		
10	Financial Provision for Closure status	Submitted and not agreed by EPA;	
11	Financial Provision for Closure - amount of cover	€2,583,487	
12	Financial Provision for Closure - type		Not yet determined
13	Financial provision for Closure expiry date	Enter expiry date	Not yet determined

Highlighted cells contain dropdown menu click to view

Additional Information

1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	Yes	The Licensee holds a fully NSAI accredited Integrated Management System incorporating Environmental (to ISO 14001:2004), Health & Safety (OHSAS 18000) and Quality (ISO9002:2000). These management systems are maintained through onsite cooperation with the environmental officers and dedicated systems coordinators. They are audited on a bi-annual basis internally and externally on an annual basis.
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes	Yes an aspects register is maintained on site and updated on an annual review basis
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	Yes Environmental objectives and targets are set on an annual basis and progress against targets is reviewed quarterly
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	Yes	A file is available to view by members of the public at the facility if requested

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Waste reduction/Raw material usage efficiency	Household Brown bin service to be rolled out to population centres of greater than 25,000 people in line with the European Union(Household Food Waste and Bio-Waste) Regulations 2013 (SI No. 71 of 2013)	100	Dundalk and Drogheda were rolled out in 2013. No additional population centres were idnetitied in 2014, in 2015 Kells Dunshaughlin, Rathoath, Duleek & Stamullen will have brown bin services added.	Individual	Increased compliance with licence conditions
Waste reduction/Raw material usage efficiency	Recovery rates through onsite processing is set to be increased to 80% in 2014	100	In 2014 Navan recovered 89% of all waste processed onsite with c.9000 tonnes being sent for disposal. Process changes in 2014 include shredding, baling and wrappaing residual waste for export. This is a 2% decrease in overall recovery rates compared to 2013 however the waste process in 2014 has changed since 2013 and waste tonnage accepted to the site in 2014 was 54% higher than in 2013 though still within the licence limits for the facility	Section Head	Increased compliance with licence conditions
Waste reduction/Raw material usage efficiency	Maximise metal recovery by 25% on 2013 rates. Reduce contamination in the metals recovered by	25	Install a magnet after the trommel to remove waste.	Individual	Installation of infrastructure
Reduction of emissions to Air	Replace dust curtains bi-annually	60	Dust curtains were removed and replaced in 2014. Additional dust curtains were fitted in fines bay. Further dust curtains are scheduled for retaining wall beside fines bay, end of trommel, recycling shed, weekly site inspections are conducted to review the condition and effectiveness of the curtains	Individual	Reduced emissions
Reduction of emissions to Air	Eliminate the frequency of breach of dust ELVs at D2 and D3	40	The issue of repeated dust exceedance has been closely monitored over the past 12 months and continued elevations are recorded. This is due primarily to the location of the dust gauages close to the passing traffic (<2m) both internally and offsite on the adjacent access road to the Kilsaran facility. Road sweeping has been increased to as required (hourly). IN addition a Door has been installed on the fines bay to minimise fugitive emissions.	Individual	Increased compliance with licence conditions
Energy Efficiency/Utility conservation	Change from using hot water at bin wash to using cold water	100	Hot water washing of bins was switched to cold water usage to conserve diesel usage. By switching to cold water a seperate diesel generator was no longer required which equates to a diesel saving of 80%	Individual	Improved Environmental Management Practices
Energy Efficiency/Utility conservation	Route Optimisation and fleet efficiencies	80	Route streamlining is ongoing and efficiencies are continuing.	Individual	Reduced emissions
Groundwater protection	Conduct Remedial Actions on waste deposition area as approved by the Agency	50	Lodge Technical Assessment DQRA and revised Remediation Strategy to the Agency with AER 2014.	Individual	Remediation of contamination on site

Environmental Management Programme/Continuous Improvement Programme template				Lic No:	W0131-02	Year	2014
Energy Efficiency/Utility conservation	Reduce the number of trucks used in waste collection	90	Move to Alternate weekly collections in 2014. For rural collections the recycling bin has been reduced to a by-weekly collection which has reduced the number of rural routes by 26. In Urban areas the move from a brown bin caddy to a 140l brown bin has eliminated the need for a weekly collection.	Individual		Improved Environmental Management Practices	
Materials Handling/Storage/Bunding	Commence baling of residual waste to facilitate export for RDF production	100	Trial period in 2014 was granted and following a bedding in period and waste composition analysis the Agency granted approval to wrap and bale residual waste for export. Bales are loaded to a trailer and transferred directly to Drogheda Port for Export.	Section Head		Installation of infrastructure	
Additional improvements	General Repair and Maintenance	50	Conduct interal structural repairs to pillars, Façade repairs to deter nuisance birds	Individual		Increased compliance with licence conditions	

1 Was noise monitoring a licence requirement for the AER period?

Yes

If yes please fill in table N1 noise summary below

2 Was noise monitoring carried out using the EPA Guidance note, including completion of the "Checklist for noise measurement report" included in the guidance note as table 6?

[Noise Guidance note NG4](#)

Yes

3 Does your site have a noise reduction plan

No

4 When was the noise reduction plan last updated?

Not Applicable

5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?

Yes

Processing of various waste streams has ceased on site - C & D waste is no longer transferred at Navan . Rather this material is sent to Lusk for processing .

Table N1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA <sub>eq</sub>	LA <sub>90</sub>	LA <sub>10</sub>	LA <sub>max</sub>	Tonal or Impulsive noise* (Y/N)	/impulsive noise was identified was 5dB	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is site compliant with noise limits (day/evening/night)?
01/05/2014	30 min	N1		52	53	48	75	No	No	Site: Traffic movement about site including lorries and loading shovel. Occasional cars entering/exiting car-park. Background: Passing traffic on the Proudstown Ind. Est. Rd (5m) including ready-mix lorries (dominant).	Yes
02/05/2014	30 min	N1		50	53	41	59	No	No		Yes
02/05/2014	30 min	N1		54	55	49	72	No	No		Yes
01/05/2014	30 min	N2		54	46	56	78	No	No	Site: Intermittent power-washing nearby (15-20m) – not visible. Continuous low hum of operations within reception shed. Occasional traffic movement about site. Occasional low level event noise from nearby workshop (cutting, grinding, hammering etc.) Exceedance during 3rd measurement due to increased amount of passing lorries nearby (20m). Background: Overhead crows cawing. Diesel engine from concrete block batching plant the neighbouring Kilsaran facility occasionally audible.	Yes
02/05/2014	30 min	N2		54	52	55	65	No	No		Yes
02/05/2014	30 min	N2		56	45	63	71	No	No		No
01/05/2014	30 min	N3		46	40	49	65	No	No	Site: Loading shovel + reversing alarm operating nearby (60m). Occasional lorries passing (30-40m). Movement of heavy plant machinery within site. Background: crows cawing in mature hedgerow, occasionally dominant.	Yes
02/05/2014	30 min	N3		48	38	51	62	No	No		Yes
02/05/2014	30 min	N3		44	36	43	71	No	No		Yes
01/05/2014	30 min	N4		59	45	62	83	No	No	Site: Continuous hum of operations within main shed. Traffic movement about site. Lorries unloading RoRo skips (40m approx) with engines running at high revs + skips being dragged along concrete during loading. Skid steer with pallet forks being used to push small steel bins on concrete. Excavator operating on-hard standing concrete apron in front of reception shed. Background: No significant background noise source.	No
02/05/2014	30 min	N4		61	53	64	81	No	No		No
02/05/2014	30 min	N4		55	44	60	67	No	No		Yes

01/05/2014	30 min	N5	Yes	49	44	52	63	No	No	Site: Not audible from this monitoring location. Background: Traffic on Navan to Kingscourt Road was the dominant noise source. Tractor mowing grass (300-400m).	Yes
02/05/2014	30 min	N5	Yes	48	43	51	63	No	No		Yes
02/05/2014	30 min	N5	Yes	49	45	52	62	No	No		Yes
01/05/2014	30 min	N6	Yes	46	41	48	59	No	No	Site: Not audible from this monitoring location. Background: Traffic entering/exiting housing estate (40m). Traffic on Clonmaggadden Rd occasionally audible. Occasional birdsong.	Yes
02/05/2014	30 min	N6	Yes	43	39	46	56	No	No		Yes
02/05/2014	30 min	N6	Yes	45	40	47	57	No	No		Yes

\*Please ensure that a tonal analysis has been carried out as per guidance note NG4. These records must be maintained onsite for future inspection

If noise limits exceeded as a result of noise attributed to site activities, please choose the corrective action from the following options?

SELECT

\*\* please explain the reason for not taking action/resolution of noise issues?

Any additional comments? (less than 200 words)

Additional information

- 1 When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below
- 2 Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAL programme linked to the right? If yes please list them in additional information [SEAI - Large Industry Energy Network \(LIEN\)](#)
- 3 Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information

None available on record	
No	not applicable
No	not applicable

Table R1 Energy usage on site

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	5314.3	7256.04		54% more waste accepted to the site in 2014 than 2013. Increased processing throughput at the site by diverting waste to navan for processing from other AES Facilities.
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	217.56	107.12		
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)	501	703.05		
Natural gas (m3)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

Conversion	
Kerosene	0.009821 MWh/ltr
Gasoil	0.010165 kWh/ltr
Med FO	0.010786 kWh/ltr
DERV	0.010169 kWh/ltr
Petrol	0.009269 kWh/ltr

	2013	2014
	4186.302737	603409.71
	873.935875	99640.55
	36.504657	6136.073341
	5096.743269	1012.846191
		7148.919532

\* where consumption of energy can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.  
 \*\* where site production information is available please enter percentage increase or decrease compared to previous year

Table R2 Water usage on site

Water use	Water extracted Previous year m3/yr.	Water extracted Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Water Emissions	Water Consumption	Unaccounted for Water:
					Volume Discharged back to environment(m <sup>3</sup> yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	
Groundwater							
Surface water							
Public supply							
Recycled water							
Total							

\* where consumption of water can be compared to overall site production please enter this information as percentage increase or decrease compared to the previous reporting year.  
 \*\* where site production information is available please enter percentage increase or decrease compared to previous year

Table R3 Waste Stream Summary

**Resource Usage/Energy efficiency summary**

Lic No:

W0131-02

Year

2014

	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)					
Non-Hazardous (Tonnes)					



Table R4: Energy Audit finding recommendations								
Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
			SELECT					
			SELECT					
			SELECT					

Table R5: Power Generation: Where power is generated onsite (e.g. power generation facilities/food and drink industry)please complete the following information

	Unit ID	Unit ID	Unit ID	Unit ID	Station Total
Technology					
Primary Fuel					
Thermal Efficiency					
Unit Date of Commission					
Total Starts for year					
Total Running Time					
Total Electricity Generated (GWH)					
House Load (GWH)					
KWH per Litre of Process Water					
KWH per Litre of Total Water used on Site					



<b>WASTE SUMMARY</b>	Lic No: W0131-02	Year: 2014
<b>SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES</b>	<a href="#">PRTR Facility Logon</a>	dropdown list click to see options

**SECTION B- WASTE ACCEPTED ONTO SITE-TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES**

Were any wastes **accepted onto** your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility?; (waste generated within your boundaries is to be captured through PRTR reporting)

1 reporting

If yes please enter details in table 1 below

2 Did your site have any rejected consignments of waste in the current reporting year? If yes please give a brief explanation in the additional information

3 Was waste accepted onto your site that was generated outside the Republic of Ireland? If yes please state the quantity in tonnes in additional information

Additional Information	
Yes	
No	
No	

**Table 1 Details of waste accepted onto your site for recovery, disposal or treatment (do not include wastes generated at your site, as these will have been reported in your PRTR workbook)**

Licensed annual tonnage limit for your site (total tonnes/annum)	EWC code	Source of waste accepted	Description of waste accepted <i>Please enter an accurate and detailed description - which applies to relevant EWC code</i> <a href="#">European Waste Catalogue EWC codes</a>	Quantity of waste accepted in current reporting year (tonnes)	Quantity of waste accepted in previous reporting year (tonnes)	Reduction/ Increase over previous year +/- %	Reason for reduction/ increase from previous reporting year	Packaging Content (%) - only applies if the waste has a packaging component	Disposal/Recovery or treatment operation carried out at your site and the description of this operation	Quantity of waste remaining on site at the end of reporting year (tonnes)	Comments -
95,000	15 01 01	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	paper and cardboard packaging	1714.46	2115.34	-19%	Less waste received from Dublin area, Waste diverted to more appropriate facility	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	15 01 02	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	plastic packaging	235.45	206.62	14%	Additional source seg	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	15 01 03	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	wooden packaging	465.69	328.08	42%	Additional source seg	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	15 01 04	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	metallic packaging	18.14	59.02	-69%	Waste diverted to more appropriate facility	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	15 01 07	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Glass Packaging	322.88	420.22	-23%	Waste diverted to more appropriate facility	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	16 01 20	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	Glass from ELV	21.42	23.58	-9%	Less ELV glass recieved	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	17 01 07	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	mixture of concrete, bricks, tiles and ceramics other than those mentioned in 170106	569.78	347.76	64%	Additional source segregated waste stream	0%	R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in recovery of the soil and recycling of inorganic construction materials		
	17 02 01	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	C & D wood	82.34	37.78	118%	Improved segregation at source	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	17 03 02	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	bituminous mixtures containing other than those mentioned in 17 03 01	42.9	0	100%	New waste stream	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	17 04 07	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixed C & D metals	60.28	96.54	-38%	Improved segregation at source	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	17 04 11	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	cables other than those mentioned in 17 04 10	5.32	4.48	19%	Improved classification of waste streams	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	17 05 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	soil and stones other than those mentioned in 170503	1009.64	426.84	137%	Increased C&D sector activities	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	17 08 02	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	gypsum-based construction materials other than those mentioned in 17 08 01	107.12	64.66	66%	Increased C&D sector activities	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	17 09 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixed C & D wastes	15706.49	12182.52	29%	Increased C&D sector activities	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	18 01 04	18- WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)	Healthcare Wastes (non-hazardous)	11.26	205.34	-95%	less waste accepted to facility	0%	D15-Storage pending any of the operations numbered D1 to D14		
	19 08 01	19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE	screenings	372.74	258.02	44%	Additional source 2014	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		

WASTE SUMMARY		Lic No:		W0131-02		Year		2014	
20 01 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	paper and cardboard	8.6	12.36	-30%	waste stream diverted to more appropriate waste facility	45%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
20 01 02	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	glass	18.74	0	100%	Additional source 2014	20%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
20 01 08	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Biodegradable kitchen and canteen wastes	335.2	232.2	44%	Roll out of additional services and increased use of brown bin	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
20 01 36	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Non-hazardous WEEE (White goods)	15.8	17.04	-7%	Less waste produced	0%	R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelleting, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of the operations numbered R1 to R11)	
20 01 38	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Wood (Municipal - separately collected fraction)	102.23	41	149%	increased use of this service		R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelleting, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of the operations numbered R1 to R11)	
20 01 39	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Plastic (Municipal - Separately collected fraction)	46.45	30.4	53%	improved source segregated		R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelleting, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of the operations numbered R1 to R11)	
20 01 40	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Metals (Municipal - Separately collected fraction)	515.286	464.4	11%	improved waste classification		R4- Recycling/reclamation of metals and metal compounds	
20 02 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Garden and Park wastes	45.36	30.14	50%	increased use of the service	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
20 03 01C	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed municipal waste (commercial)	14136.5	10193	39%	increased customer base - waste coming from other AES sites	25%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
20 03 01D	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed municipal waste (domestic)	35300.01	14537.6	143%	Waste from other AES sites diverted to Navan for processing, baling and export	25%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
20 03 01KC	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed dry recyclables (commercial)	906.18	976.52	-7%		75%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
20 03 01KD	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed dry recyclables (domestic)	4081.08	3355.34	22%	increase in domestic customers	75%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
20 03 03	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Street cleanings residues	2248.9	4354.24	-48%	AES Lusk opened in July 2014 and much of the Dublin LA waste sent there instead	0%	D15-Storage pending any of the operations numbered D1 to D14	
20 03 07C	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Bulky Waste (commercial)	3264.46	2631	24%	Economic growth	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
20 03 07D	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Bulky Waste (domestic)	4414.17	2707.48	63%	Economic growth	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
03 01 05	03- WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD	Sawdust, Shavings, Cuttings, wood, particle board and veneer other than those mentioned in 03 01 04	18.62	22.48	-17%	No waste received from Navan racecourse 2014	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
04 02 22	04- WASTES FROM THE LEATHER, FUR AND TEXTILE INDUSTRIES	Wastes from processed textile fibres	54.58	0	100%	Waste accepted from manufacturing company 2014	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
02 05 01	02- WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING	materials unsuitable for processing from the dairy manufacturing industry	0.64	0	100%	New waste stream	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
15 01 05	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Composite Packaging	7.56	0	100%	Waste from a Pharmaceutical company	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	

WASTE SUMMARY		Lic No:		W0131-02		Year		2014	
15 01 06	15- WASTE PACKAGING, ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Mixed packaging	0.9	0	100%	Waste from a pharmaceutical company	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
17 02 02	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Glass from C&D activities	42.78	0	100%	Economic growth	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
17 06 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Insulation materials other than those mentioned in 17 06 01* and 17 06 03*	240.24	0	100%	Wastes from Insulation company Xtratherm	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
19 12 07	19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE	Wood from waste processing facility	0.38	0	100%	New waste stream	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
19 12 12	19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE	Mechanically treated waste	398.08	0	100%	increased waste processing at other facilities	25%	D15-Storage pending any of the operations numbered D1 to D14	
19 12 12	19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE	C&D Fines	28.4	0	100%	increased waste processing at other facilities	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
20 03 06	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Waste from sewage cleaning	84.72	0	100%	New waste stream	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
			87061.776	56382	54%	Economic Growth, Increased tonnage			



WASTE SUMMARY

Lic No:

W0131-02

Year

2014

**Table 4 Environmental monitoring-landfill only** [Landfill Manual-Monitoring Standards](#)

Was meteorological monitoring in compliance with Landfill Directive (LD) standard in reporting year +	Was leachate monitored in compliance with LD standard in reporting year	Was Landfill Gas monitored in compliance with LD standard in reporting year	Was SW monitored in compliance with LD standard in reporting year	Have GW trigger levels been established	Were emission limit values agreed with the Agency (ELVs)	Was topography of the site surveyed in reporting year	Has the statement under S53(A)(5) of WMA been submitted in reporting year	Comments

+ please refer to Landfill Manual linked above for relevant Landfill Directive monitoring standards

**Table 5 Capping-Landfill only**

Area uncapped*	Area with temporary cap	Area with final cap to LD Standard m2 ha, a	Area capped other	Area with waste that should be permanently capped to date under licence	What materials are used in the cap	Comments
SELECT UNIT	SELECT UNIT					

\*please note this includes daily cover area

**Table 6 Leachate-Landfill only**

9 Is leachate from your site treated in a Waste Water Treatment Plant?

SELECT

10 Is leachate released to surface water? if yes please complete leachate mass load information below

SELECT

Volume of leachate in reporting year(m3)	Leachate (BOD) mass load (kg/annum)	Leachate (COD) mass load (kg/annum)	Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	Leachate treatment on-site	Specify type of leachate treatment	Comments

Please ensure that all information reported in the landfill gas section is consistent with the Landfill Gas Survey submitted in conjunction with PRTR returns

**Table 7 Landfill Gas-Landfill only**

Gas Captured&Treated by LFG System m3	Power generated (MW / KWh)	Used on-site or to national grid	Was surface emissions monitoring performed during the reporting year?	Comments
			SELECT	



| PRTR# : W0131 | Facility Name : Midland Waste Disposal Company Limited |  
 Filename : W0131\_2014.xls | Return Year : 2014 |

16/04/2015 17:00

[Guidance to completing the PRTR workbook](#)

# AER Returns Workbook

Version 1.1.18

<b>REFERENCE YEAR</b>	2014
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## 1. FACILITY IDENTIFICATION

Parent Company Name	Midland Waste Disposal Company Limited
Facility Name	Midland Waste Disposal Company Limited
PRTR Identification Number	W0131
Licence Number	W0131-02

### Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Clonmagaddan
Address 2	Proudstown
Address 3	Navan
Address 4	
	Meath
Country	Ireland
Coordinates of Location	-6.68714 53.6705
River Basin District	IEEA
NACE Code	3832
Main Economic Activity	Recovery of sorted materials
<b>AER Returns Contact Name</b>	Charlotte Greene
<b>AER Returns Contact Email Address</b>	charlotte.greene@bnm.ie
<b>AER Returns Contact Position</b>	Environmental Officer
<b>AER Returns Contact Telephone Number</b>	045 439492
<b>AER Returns Contact Mobile Phone Number</b>	087 7697465
<b>AER Returns Contact Fax Number</b>	
<b>Production Volume</b>	0.0
<b>Production Volume Units</b>	
<b>Number of Installations</b>	0
<b>Number of Operating Hours in Year</b>	0
<b>Number of Employees</b>	75
<b>User Feedback/Comments</b>	
<b>Web Address</b>	

## 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?	No
Have you been granted an exemption ?	No
If applicable which activity class applies (as per Schedule 2 of the regulations) ?	
Is the reduction scheme compliance route being used ?	

## 4. WASTE IMPORTED/ACCEPTED ONTO SITE

[Guidance on waste imported/accepted onto site](#)

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities) ?	
--	--

This question is only applicable if you are an IPPC or Quarry site



4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

| PRTR# : W0131 | Facility Name : Midland Waste Disposal Company Limited | Filename : W0131\_2014.xls | Return Year : 2014 |

16/04/2015 17:01

**SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS**

RELEASES TO AIR					Please enter all quantities in this section in KGs				
No. Annex II	POLLUTANT Name	M/C/E	METHOD		Emission Point 1	QUANTITY			
			Method Code	Designation or Description		T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year	
						0.0	0.0	0.0	0.0

\* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

**SECTION B : REMAINING PRTR POLLUTANTS**

RELEASES TO AIR					Please enter all quantities in this section in KGs				
No. Annex II	POLLUTANT Name	M/C/E	METHOD		Emission Point 1	QUANTITY			
			Method Code	Designation or Description		T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year	
						0.0	0.0	0.0	0.0

\* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

**SECTION C : REMAINING POLLUTANT EMISSIONS (As required in your Licence)**

RELEASES TO AIR					Please enter all quantities in this section in KGs				
Pollutant No.	POLLUTANT Name	M/C/E	METHOD		Emission Point 1	QUANTITY			
			Method Code	Designation or Description		T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year	
						0.0	0.0	0.0	0.0

\* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

**Additional Data Requested from Landfill operators**

For the purposes of the National Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (Methane) flared or utilised on their facilities to accompany the figures for total methane generated. Operators should only report their Net methane (CH4) emission to the environment under T(total) KG/yr for Section A: Sector specific PRTR pollutants above. Please complete the table below:

<b>Landfill:</b>	Midland Waste Disposal Company Limited				
<b>Please enter summary data on the quantities of methane flared and / or utilised</b>			METHOD		
	T (Total) kg/Year	M/C/E	Method Code	Designation or Description	Facility Total Capacity m3 per hour
Total estimated methane generation (as per site model)	0.0				N/A
Methane flared	0.0				0.0 (Total Flaring Capacity)
Methane utilised in engine/s	0.0				0.0 (Total Utilising Capacity)
Net methane emission (as reported in Section A above)	0.0				N/A

4.2 RELEASES TO WATERS

[Link to previous years emissions data](#)

| PRTR# : W0131 | Facility Name : Midland Waste Disposal Company Limited | Filename : W0131\_2014.xls | Return Year : 2014 |

16/04/2015 17:02

**SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS**

Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should NOT be submitted under AER / PRTR Reporting as this only co

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		M/C/E	Method Used		QUANTITY			
No. Annex II	Name		Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

\* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

**SECTION B : REMAINING PRTR POLLUTANTS**

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		M/C/E	Method Used		QUANTITY			
No. Annex II	Name		Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

\* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

**SECTION C : REMAINING POLLUTANT EMISSIONS (as required in your Licence)**

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		M/C/E	Method Used		QUANTITY			
Pollutant No.	Name		Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

\* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

4.3 RELEASES TO WASTEWATER OR SEWER

[Link to previous years emissions data](#)

| PRTR# : W0131 | Facility Name : Midland Waste Disposal Company Limited | Filename : W0131\_2014

16/04/2015 17:06

SECTION A : PRTR POLLUTANTS

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
No. Annex II	Name	M/C/E	Method Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description				
					0.0	0.0	0.0	0.0

\* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
Pollutant No.	Name	M/C/E	Method Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description				
					0.0	0.0	0.0	0.0

\* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

| PRTR# : W0131 | Facility Name : Midland Waste Disposal Company Limited | Filename : W0131\_2014.xls | Return Year : 2014 |

16/04/2015 17:06

SECTION A : PRTR POLLUTANTS

POLLUTANT		METHOD			QUANTITY		
Name		M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
No. Annex II					0.0	0.0	0.0

\* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

POLLUTANT		METHOD			QUANTITY		
Name		M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
Pollutant No.					0.0	0.0	0.0

\* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : W0131 | Facility Name : Midland Waste Disposal Company Limited | Filename : W0131\_2014.xls | Return Year : 2014 |

16/04/2015 17:07

Please enter all quantities on this sheet in Tonnes

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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 Haz Waste : Name and Licence/Permit No of Recover/Disposer	Non 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					
To Other Countries	15 01 01	No	169.38	paper and cardboard packaging	R13	M	Weighed	Abroad	MLM CAN Europe (UK),N/A TFS Reg - IRE/G022/12	Adamstown Hse.,Towers business Pk,Wilmslow Rd Didsbury Manchester.,M20 2YY,United Kingdom		
Within the Country	15 01 01	No	1558.78	paper and cardboard packaging	R13	M	Weighed	Offsite in Ireland	Irish Packaging Recycling,W0263-01	Rd.,Walkinstown,Dublin 12.,,Ireland		
Within the Country	15 01 01	No	0.0	paper and cardboard packaging	R13	M	Weighed	Offsite in Ireland	Padraic Thornton Waste Recycling Ltd.,WFP-DC-10-0021-02/13/MK/01	Thomtons Recycling MDR-MRF,Unit 51 Henry Road ,Parkwest Business park,Dublin 12,Ireland		
Within the Country	15 01 02	No	144.54	plastic packaging	R13	M	Weighed	Offsite in Ireland	Irish Packaging Recycling,W0263-01	Rd.,Walkinstown,Dublin 12.,,Ireland		
Within the Country	15 01 02	No	29.48	plastic packaging	R3	M	Weighed	Offsite in Ireland	Leinster Environmental,WFP-LH-11-002-01	Pk,Haggardstown Dundalk,Co. Louth.,,Ireland		
Within the Country	15 01 03	No	0.48	wooden packaging	R13	M	Weighed	Offsite in Ireland	Irish Packaging Recycling,W0263-01	Rd.,Walkinstown,Dublin 12.,,Ireland		
Within the Country	15 01 03	No	28.12	wooden packaging	R13	M	Weighed	Offsite in Ireland	Paddy Daly.,	Meath.,,Ireland		
Within the Country	15 01 03	No	0.74	wooden packaging	R13	M	Weighed	Offsite in Ireland	Wilton Waste ,WFP-CN-10-0005-01	Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland		
Within the Country	15 01 03	No	0.0	wooden packaging	R13	M	Weighed	Offsite in Ireland	Leinster Environmental,WFP-LH-11-002-01	Pk,Haggardstown Dundalk,Co. Louth.,,Ireland		
Within the Country	15 01 04	No	55.42	metallic packaging	R13	M	Weighed	Offsite in Ireland	Wilton Waste ,WFP-CN-10-0005-01	Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland		
Within the Country	15 01 05	No	0.0	composite packaging	R13	M	Weighed	Offsite in Ireland	Ecological Waste Management Ltd.,WFP-LH-09-0004-01	Park,Haggardstown,Dundalk Co. Louth.,,Ireland		
To Other Countries	15 01 07	No	270.86	glass packaging	R5	M	Weighed	Abroad	Glassdon Recycling,LN/08/103	Antrim,BT41 3SE,United Kingdom		
Within the Country	16 01 03	No	0.0	end-of-life tyres	R13	M	Weighed	Offsite in Ireland	Wilton Waste ,WFP-CN-10-0005-01	Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland		
Within the Country	16 01 03	No	37.74	end-of-life tyres	R13	M	Weighed	Offsite in Ireland	Ecological Waste Management Ltd.,WFP-LH-09-0004-01	Park,Haggardstown,Dundalk Co. Louth.,,Ireland		
Within the Country	16 05 05	No	0.0	those mentioned in 16 05 04	R13	M	Weighed	Offsite in Ireland	Wilton Waste ,WFP-CN-10-0005-01	Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland		
Within the Country	16 05 05	No	1.76	those mentioned in 16 05 04	R13	M	Weighed	Offsite in Ireland	Commons Fuels.,	Meath.,,Ireland		
Within the Country	16 06 01	Yes	0.0	lead batteries	R4	M	Weighed	Offsite in Ireland	Irish Metal Refineries IMR,WFP-09-03-01	Unit 2,Duleek Bus. Pk.,Duleek Co. Meath.,,Ireland	Rilta Environmental Ltd.,W0192-03	Rathcoole Co. Dublin.,,Co. Dublin.,,Ireland
To Other Countries	16 06 01	Yes	0.0	lead batteries	R13	M	Weighed	Abroad	KMK Metals,W0113-03	Cappincur Ind Est,Daingean Rd Tullamore,Co. Offaly.,,Ireland	H.J. Enthoven & Sons,Licence No BL5598IR,Darleydale,Smelter South Darley,Matlock Derbyshire,DE4 2LP ,United Kingdom	H.J. Enthoven & Sons,Darleydale,Smelter South Darley,Matlock Derbyshire / DE4 2LP ,United Kingdom

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 - Address of Next Destination Facility	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)
						Haz Waste - Name and Licence/Permit No of Recover/Disposer	Non Haz Waste - Address of Recover/Disposer		Haz Waste - Name and Licence/Permit No of Recover/Disposer	Non Haz Waste - Address of Recover/Disposer			
<b>To Other Countries</b>	<b>16 06 01</b>	<b>Yes</b>	0.0	lead batteries	R13	M	Weighed	Abroad	Wilton Waste ,WFP-CN-10-0005-01		Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland	H.J. Enthoven & Sons,Licence No BL5598IR,Darleydale,Smelter South Darley,Matlock Derbyshire,DE4 2LP ,United Kingdom	H.J. Enthoven & Sons,Darleydale,Smelter South Darley,Matlock Derbyshire / DE4 2LP ,United Kingdom
Within the Country	17 01 01	No	0.0	concrete mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17	R13	M	Weighed	Offsite in Ireland	Padraic Thornton Waste Disposal Ltd TA Thorntons Recycling,W0044-02		Centre,Killeen Rd,Ballyfermot,Dublin 10,Ireland		
Within the Country	17 01 07	No	5248.56	01 06 mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17	R5	M	Weighed	Offsite in Ireland	Drehid Waste Mgt Facility,W0201-03		Killinagh Upper,Carbury,Co. Kildare,,Ireland		
Within the Country	17 01 07	No	84.78	01 06 mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17	R13	M	Weighed	Offsite in Ireland	Damian Fitzsimon Harristown,WFP/MH/10/0004		Harristown,Navan,Co. Meath,,Ireland		
Within the Country	17 02 01	No	0.0	wood	R13	M	Weighed	Offsite in Ireland	Wilton Waste ,WFP-CN-10-0005-01		Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland		
Within the Country	17 04 02	No	2.4	aluminium cables other than those mentioned in 17 04	R13	M	Weighed	Offsite in Ireland	Wilton Waste ,WFP-CN-10-0005-01		Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland		
Within the Country	17 04 11	No	10.88	10 cables other than those mentioned in 17 04	R13	M	Weighed	Offsite in Ireland	Wilton Waste ,WFP-CN-10-0005-01		Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland		
Within the Country	17 04 11	No	0.0	10 cables other than those mentioned in 17 04	R13	M	Weighed	Offsite in Ireland	Irish Metal Refineries IMR,WFP-09-03-01		Pk.,Duleek Co. Meath,,Ireland		
Within the Country	17 05 04	No	0.0	17 05 03 soil and stones other than those mentioned	R5	M	Weighed	Offsite in Ireland	Drehid Waste Mgt Facility,W0201-03		Killinagh Upper,Carbury,Co. Kildare,,Ireland		
Within the Country	17 05 04	No	0.0	17 05 03 soil and stones other than those mentioned	R13	M	Weighed	Offsite in Ireland	Padraic Thornton Waste Disposal Ltd TA Thorntons Recycling,W0044-02		Centre,Killeen Rd,Ballyfermot,Dublin 10,Ireland		
Within the Country	17 05 04	No	731.54	17 05 03 soil and stones other than those mentioned	R13	M	Weighed	Offsite in Ireland	Damian Fitzsimon Harristown,WFP/MH/10/0004		Harristown,Navan,Co. Meath,,Ireland		
To Other Countries	17 06 05	Yes	0.0	18) construction materials containing asbestos	R13	M	Weighed	Abroad	Rilta Environmental Ltd.,W0192-03		Rathcoole Co. Dublin,,Co. Dublin,,Ireland	Grossenasper Entsorgungsgesellschaft mbH & Co. KG,A60F00507,Bimohler Str.,57 A,24623,Grossenasp ,Germany	Bimohler Str.,57 A,24623,Grossenasp ,Germany
To Other Countries	17 08 02	No	16.6	01 gypsum-based construction materials other than those mentioned in 17 08 01	R13	M	Weighed	Abroad	Baron Recycling Ltd (BRL),LN/09/113		,Cookstown,RT80 8TF,Co. Tyrone,United Kingdom		
Within the Country	17 09 04	No	133.92	02 and 17 09 03 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17	R13	M	Weighed	Offsite in Ireland	Panda Waste Recycling,W0140-04		Rathdrinagh,Beauparc,Navan Co. Meath,,Ireland		
Within the Country	17 09 04	No	195.44	02 and 17 09 03 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17	R13	M	Weighed	Offsite in Ireland	Padraic Thornton Waste Disposal Ltd TA Thorntons Recycling,W0044-02		Centre,Killeen Rd,Ballyfermot,Dublin 10,Ireland		
Within the Country	19 05 03	No	0.0	off-specification compost	R3	M	Weighed	Offsite in Ireland	Enrich,WFP/MH/08/004/02.		Larchill Stud,Kilcock,Co. Meath,,Ireland		
Within the Country	19 12 03	No	0.0	non-ferrous metal	R13	M	Weighed	Offsite in Ireland	Irish Metal Refineries IMR,WFP-09-03-01		Pk.,Duleek Co. Meath,,Ireland		
Within the Country	19 12 03	No	26.84	non-ferrous metal	R13	M	Weighed	Offsite in Ireland	Wilton Waste ,WFP-CN-10-0005-01		Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland		

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 : Address of Next Destination Facility	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)
						Haz Waste : Name and Licence/Permit No of Recover/Disposer	Non Haz Waste: Address of Recover/Disposer						
					M/C/E	Method Used							
Within the Country	19 12 07	No	63.72	wood other than that mentioned in 19 12 06	R13	M	Weighed	Offsite in Ireland	Guessford Ltd,WFP-OY-10-0183-02		Barnan,Daingean,..Co Offaly,Ireland		
Within the Country	19 12 07	No	2424.44	wood other than that mentioned in 19 12 06	R13	M	Weighed	Offsite in Ireland	Thorntons Recycling Wood Chipping Facility (PDM),WFP-KE-10-0061-01		Oldmilltown,"",Kill,Co Kildare,Ireland		
Within the Country	19 12 07	No	0.0	wood other than that mentioned in 19 12 06	R13	M	Weighed	Offsite in Ireland	Wilton Waste ,WFP-CN-10-0005-01		Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland		
Within the Country	19 12 09	No	0.0	minerals (for example sand, stones) other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R5	M	Weighed	Offsite in Ireland	Drehid Waste Mgt Facility,W0201-03		Killinagh Upper,Carbury,Co. Kildare,..Ireland		
Within the Country	19 12 12	No	5009.94	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	D5	M	Weighed	Offsite in Ireland	Drehid Waste Mgt Facility,W0201-03		Killinagh Upper,Carbury,Co. Kildare,..Ireland		
Within the Country	19 12 12	No	6437.52	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R3	M	Weighed	Offsite in Ireland	Enrich,WFP/MH/08/004/02.		Larchill Stud,Kilcock,Co. Meath,..Ireland		
Within the Country	19 12 12	No	632.0	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R13	M	Weighed	Offsite in Ireland	Greyhound Recycling,W0205-01		Crag Avenue,Clondalkin,Dublin 22,..Ireland		
Within the Country	19 12 12	No	19198.54	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R1	M	Weighed	Offsite in Ireland	Indaver,W0167-02		Carranstown,Duleek,Co. Meath,..Ireland		
Within the Country	19 12 12	No	0.0	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	D1	M	Weighed	Offsite in Ireland	Knockharley landfill,W0146-03		Knockharley ,Kentstown,Co. Meath,..Ireland		
Within the Country	19 12 12	No	0.0	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R13	M	Weighed	Offsite in Ireland	Oxigen,W0208-02		Merrywell Ind Est.,Ballymount,Dublin 22,..Ireland		
Within the Country	19 12 12	No	4674.8	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R13	M	Weighed	Offsite in Ireland	Padraic Thornton Waste Disposal Ltd TA Thortons Recycling,W0044-02		Thorntons Recycling Centre,Killeen Rd,Ballyfermot,Dublin 10,Ireland		
Within the Country	19 12 12	No	7.08	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R13	M	Weighed	Offsite in Ireland	Wilton Waste ,WFP-CN-10-0005-01		Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland		
Within the Country	19 12 12	No	1202.04	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R13	M	Weighed	Offsite in Ireland	Panda Waste Recycling,W0140-04		Rathdrinagh,Beauparc,Navan Co. Meath,..Ireland		
Within the Country	19 12 12	No	741.22	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R3	M	Weighed	Offsite in Ireland	OD Agri Ltd t/a OD Recycling,WFP-TS-10-0002-03		Ballyboe ,Ballypatrick,Clonmel,Co. Tipperary,Ireland Ballynalurgan		
Within the Country	20 01 08	No	218.48	biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Thorntons Kilmainhamwood,W0195-02		Kilmainhamwood,Kells,Meath,Ireland		
Within the Country	20 01 08	No	0.0	biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Enrich,WFP/MH/08/004/02.		Larchill Stud,Kilcock,Co. Meath,..Ireland		

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	20 01 36	No	11.14	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R13	M	Weighed	Offsite in Ireland	KMK Metals,W0113-03		Cappincur Ind Est,Daingean Rd Tullamore,Co. Offaly,,Ireland			
Within the Country	20 01 36	No	0.0	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R13	M	Weighed	Offsite in Ireland	Irish Metal Refineries IMR,WFP-09-03-01		Unit 2,Duleek Bus. Pk.,Duleek Co. Meath,,Ireland			
Within the Country	20 01 36	No	0.0	discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	R13	M	Weighed	Offsite in Ireland	Wilton Waste ,WFP-CN-10-0005-01		Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland			
Within the Country	20 01 38	No	0.0	wood other than that mentioned in 20 01 37	R13	M	Weighed	Offsite in Ireland	Wilton Waste ,WFP-CN-10-0005-01		Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland			
Within the Country	20 01 39	No	0.0	plastics	R13	M	Weighed	Onsite of generatic	Irish Packaging Recycling,W0263-01		Rd.,Walkinstown,Dublin 12,,Ireland			
Within the Country	20 01 39	No	30.78	plastics	R3	M	Weighed	Offsite in Ireland	Leinster Environmental,WFP-LH-11-002-01		Clermont Business Pk,Haggardstown Dundalk,Co. Louth,,Ireland			
To Other Countries	20 01 39	No	0.0	plastics	R13	M	Weighed	Abroad	ROC Recycling Solutions Ltd,WSEX 22/80; WMEX 22/79		8A Keady Road ,Comonagh,Newry,Co. Armagh BT35 9EL,Ireland			
Within the Country	20 01 40	No	0.0	metals	R13	M	Weighed	Offsite in Ireland	Erin Recyclers Ltd.,WFP-SO-11-0003-03		quay,Finisklin,Sligo Harbour,Co. Sligo,Ireland			
Within the Country	20 01 40	No	0.0	metals	R13	M	Weighed	Offsite in Ireland	Irish Metal Refineries IMR,WFP-09-03-01		Unit 2,Duleek Bus. Pk.,Duleek Co. Meath,,Ireland			
Within the Country	20 01 40	No	0.0	metals	R13	M	Weighed	Offsite in Ireland	Multimetals Recycling Ltd.,WFP-WW-09-0014-01		The Murrrough,Wicklow Town ,Co. Wicklow,,Ireland			
Within the Country	20 01 40	No	1369.54	metals	R13	M	Weighed	Offsite in Ireland	Wilton Waste ,WFP-CN-10-0005-01		Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland			
Within the Country	20 02 01	No	0.0	biodegradable waste	R3	M	Weighed	Offsite in Ireland	BNM Kilberry,W0198-01		Kilberry,Co. Kildare,,,,Ireland			
Within the Country	20 02 01	No	12.76	biodegradable waste	R3	M	Weighed	Offsite in Ireland	Enrich,WFP/MH/08/004/02.		Larchill Stud,Kilcock,Co. Meath,,Ireland			
Within the Country	20 03 01	No	3097.0	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03		Cappancur Ind Est,Daingean Rd,Tullamore,Co Offaly,Ireland			
Within the Country	20 03 01	No	0.0	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Mulleady Waste,W0169-01		Cloonagh,Drumlish,Co. Longford,,Ireland			
Within the Country	20 03 01	No	0.0	mixed municipal waste	R3	M	Weighed	Offsite in Ireland	Enrich,WFP/MH/08/004/02.		Larchill Stud,Kilcock,Co. Meath,,Ireland			
Within the Country	20 03 01	No	0.0	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Irish Packaging Recycling,W0263-01		Rd.,Walkinstown,Dublin 12,,Ireland			
Within the Country	20 03 01	No	696.48	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Padraic Thornton Waste Recycling Ltd.,WFP-DC-10-0021-02/13/MK/01		Thornstons Recycling MDR-MRF,Unit 51 Henry Road ,Parkwest Business park,Dublin 12,Ireland			
Within the Country	20 03 01	No	0.0	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Allied Waste Management Services Ltd,WFP-WM-2010-0001-01		Clonmellon,,,,Co. Westmeath,Ireland			
Within the Country	20 03 01	No	4149.5	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Drehid Waste Mgt Facility,W0201-03		Killinagh Upper,Carbury,Co. Kildare,,Ireland			
Within the Country	20 03 01	No	4471.18	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Panda Waste Recycling,W0140-04		Rathdrinagh,Beauparc,Navan Co. Meath,,Ireland			



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		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		Haz Waste - Name and Licence/Permit No of Recover/Disposer	Non Haz Waste - Address of Recover/Disposer		
To Other Countries	20 03 01	No	1452.72	mixed municipal waste	R13	M	Weighed	Abroad	Regen Waste Ltd, LN/10/50/M	Unit 7 Shepherds Drive, Cambane Industrial Estate, Newry, Co Down BT35 6JQ, United Kingdom		
Within the Country	20 03 03	No	155.3	street-cleaning residues other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R13	M	Weighed	Offsite in Ireland	Drehid Waste Mgt Facility, W0201-03	Killinagh Upper, Carbury, Co. Kildare, Ireland		
Within the Country	19 12 12	No	28.48	11 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17	R12	M	Weighed	Offsite in Ireland	AES Lusk, W0222-01	Blakes Cross, Coldwinters, Lusk, Co Dublin, Ireland		
Within the Country	17 09 04	No	2290.54	09 02 and 17 09 03	R5	M	Weighed	Offsite in Ireland	AES Lusk, W0222-01	Blakes Cross, Coldwinters, Lusk, Co Dublin, Ireland		
Within the Country	20 03 01	No	2.06	mixed municipal waste other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R13	M	Weighed	Offsite in Ireland	AES Lusk, W0222-01	Blakes Cross, Coldwinters, Lusk, Co Dublin, Ireland		
Within the Country	19 12 12	No	28.8	11 gases in pressure containers other than	R12	M	Weighed	Offsite in Ireland	AES Tullamore, W0104-03	Cappancur Ind Est, Daingean Rd, Tullamore, Co Offaly, Ireland		
Within the Country	16 05 05	No	1.74	those mentioned in 16 05 04	R13	M	Weighed	Offsite in Ireland	Apex Fire Ltd, Not Applicable	Moynehall, Cavan, Co Cavan, Ireland		
Within the Country	20 02 01	No	28.04	biodegradable waste other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R3	M	Weighed	Offsite in Ireland	Bord na Mona Horticulture Ltd Kilberry, W0198-01	Facility, Kilberry, Athy, Co Kildare, Ireland		
Within the Country	19 12 12	No	12089.08	11 bituminous mixtures containing other than	R5	M	Weighed	Offsite in Ireland	Drehid Waste Mgt Facility, W0201-03	Killinagh Upper, Carbury, Co. Kildare, Ireland		
Within the Country	17 03 02	No	10.82	those mentioned in 17 03 01 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	D5	M	Weighed	Offsite in Ireland	Drehid Waste Mgt Facility, W0201-03	Killinagh Upper, Carbury, Co. Kildare, Ireland		
Within the Country	19 12 12	No	1035.22	11	R1	M	Weighed	Offsite in Ireland	Drogheda Port Company, WFP-LH-11-0006-01	Tom Roes Port Facility, Baltry Road, Drogheda, Co Louth, Ireland		
Within the Country	15 01 02	No	1.88	plastic packaging	R3	M	Weighed	Offsite in Ireland	Irish Polymer Extrusions Ltd, WFP-LS-13-0001-01	Unit 20, Bay road business park, Mountmellick, Co Laois, Ireland		
Within the Country	20 01 39	No	4.66	plastics	R3	M	Weighed	Offsite in Ireland	Irish Polymer Extrusions Ltd, WFP-LS-13-0001-01	Unit 20, Bay road business park, Mountmellick, Co Laois, Ireland		
To Other Countries	17 08 02	No	72.12	gypsum-based construction materials other than those mentioned in 17 08 01 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R5	M	Weighed	Abroad	MacNabb Waste Management Ltd, LN/09/111/M	23 Downpatrick Road, Killough, Downpatrick Co. Down, BT30 7QB, United Kingdom		
Within the Country	19 12 12	No	494.1	11	R3	M	Weighed	Offsite in Ireland	McGill Environmental Systems (Irl) Ltd, W0180-01	Croom, Carrignavar, Glenville, Co. Cork, Ireland		
Within the Country	20 03 01	No	130.44	mixed municipal waste mixed construction and demolition wastes other than those mentioned in 17 09 01, 17	R13	M	Weighed	Offsite in Ireland	Panda Waste Recycling, W0039-02	Cross, Tallagh, Dublin 24, Ireland		
Within the Country	17 09 04	No	59.34	09 02 and 17 09 03	R13	M	Weighed	Offsite in Ireland	Arneg Gate T/A Skip Trans, WFP-DS-11-0002-01	518B, Greenogue Business Park, Rathcoole, Co. Dublin, Ireland		

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					
				other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R3	M	Weighed	Offsite in Ireland	Drehid Waste Mgt Facility,W0201-03	Killinagh Upper,Carbury,Co. Kildare,,Ireland		
Within the Country	19 12 12	No	5771.82 11						Wilton Waste ,WFP-CN-10-0005-01	Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland		

\* Select a row by double-clicking the Description of Waste then click the delete button