

SELECT

cells that are highlighted blue contain a dropdown menu click to select one option from the list

[guidance document link](#)

cells that contain underlined text click to access relevant guidance documents for this section

Table heading *

table headings followed by a symbol have an associated footnote or instructions

Cells with red indicator in top right corner

cells that have a red indicator in the top right corner contain a comment box with further instructions or clarification

Facility Information Summary


AER Reporting Year	2013
Licence Register Number	W0240-01
Name of site	AES Nenagh
Site Location	Springfort Cross, Solsborough, Nenagh, Co. Tipperary
NACE Code	3821
Class/Classes of Activity	Schedule 3 - Classes 11, 12 & 13(PA); Schedule 4 - Classes 2, 3, 4, 12 & 13
National Grid Reference (6E, 6 N)	

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.**

AES Nenagh acts as the principal waste transfer facility for AES in the Munster region servicing waste collections from Clare, Limerick City & County, Tipperary and some parts of Offaly. Domestic waste services include a glass bin and compost bin service in selected areas. all wastes are received over the facility weighbridge and unloaded within the waste reception building. residual wastes are bulked and sent for further treatment (SRF production) or disposal at landfill. Separately collected recyclables are transferred from AES Nenagh to AES Tullamore for processing. Similarly other separately collected fractions are sent for further processing to various waste operators in Ireland. Waste received in 2013 was within the total waste acceptance allowed under the waste licence. There were 2 minor incidents reported to the Agency in 2013 in relation to breach of elvs. In February for emissions to sewer - elevated COD and May for elevated dust levels above the ELV of 350mg/m2/day at D2 monitoring station. The EPA conducted a site inspection and found the site to be compliant with the Licence Conditions.

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.

		<u>Environmental Officer</u>	
Signature	Date	13/05/2014	
Group/Facility manager (or nominated, suitably qualified and experienced deputy)			

Answer all questions and complete all tables where relevant

Additional information

<p>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</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 30px;">Yes</td> <td style="width: 670px;"></td> </tr> </table>	Yes	
Yes			

Periodic/Non-Continuous Monitoring

<p>2 Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of Table A1 below</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 30px;">Yes</td> <td style="width: 670px;"></td> </tr> </table>	Yes	
Yes			
<p>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</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 30px;">Yes</td> <td style="width: 670px;"></td> </tr> </table>	Yes	
Yes			

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 thereof	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	Quarterly	350mg/m2/day	100 % of values < ELV	108	mg/m2/day	yes	Gravimetric		
D2	Total Particulates	Quarterly	350mg/m2/day	100 % of values < ELV	220	mg/m2/day	yes	Gravimetric		
D3	Total Particulates	Quarterly	350mg/m2/day	100 % of values < ELV	166	mg/m2/day	yes	Gravimetric		
D4	Total Particulates	Quarterly	350mg/m2/day	100 % of values < ELV	117	mg/m2/day	yes	SELECT		

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

Continuous Monitoring

<p>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 3 and compare it to its relevant Emission Limit Value (ELV)</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 30px;">No</td> <td style="width: 670px;"></td> </tr> </table>	No	
No			
<p>5 Did continuous monitoring equipment experience downtime? If yes please record downtime in table 3 below</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 30px;">SELECT</td> <td style="width: 670px;"></td> </tr> </table>	SELECT	
SELECT			
<p>6 Do you have a proactive service agreement for each piece of continuous monitoring equipment?</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 30px;">SELECT</td> <td style="width: 670px;"></td> </tr> </table>	SELECT	
SELECT			
<p>7 Did your site experience any abatement system bypasses? If yes please detail them in table 4 below</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 30px;">SELECT</td> <td style="width: 670px;"></td> </tr> </table>	SELECT	
SELECT			

Table A2: Summary of average emissions -continuous monitoring

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	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	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

<p>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</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center; width: 30px;">SELECT</td> <td style="width: 670px;"></td> </tr> </table>	SELECT	
SELECT			

<p>Table A4: Solvent Management Plan Summary Total VOC Emission limit value</p>	<p>Solvent regulations Please refer to linked solvent regulations to complete table 5 and 6</p> <table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 10%;">Reporting year</th> <th style="width: 15%;">Total solvent input on site (kg)</th> <th style="width: 15%;">Total VOC emissions to Air from entire site (direct and fugitive)</th> <th style="width: 15%;">Total VOC emissions as %of solvent input</th> <th style="width: 15%;">Total Emission Limit Value (ELV) in licence or any revision thereof</th> <th style="width: 10%;">Compliance</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td style="text-align: center;">SELECT</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td style="text-align: center;">SELECT</td> </tr> </tbody> </table>	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
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														

<p>Table A5: Solvent Mass Balance summary</p> <table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 15%;">Solvent</th> <th style="width: 15%;">(I) Inputs (kg)</th> <th style="width: 15%;">Organic solvent emission in waste gases(kg)</th> <th style="width: 10%;">Solvents lost in water (kg)</th> <th style="width: 10%;">Collected waste solvent (kg)</th> <th style="width: 10%;">Fugitive Organic Solvent (kg)</th> <th style="width: 10%;">Solvent released in other ways e.g by-passes (kg)</th> <th style="width: 10%;">Solvents destroyed onsite through physical reaction e.g. incineration(kg)</th> <th style="width: 10%;">Total emission of Solvent to air (kg)</th> </tr> </thead> <tbody> <tr> <td> </td> <td>(I) Inputs (kg)</td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td style="text-align: right;">Total</td> </tr> </tbody> </table>	Solvent	(I) Inputs (kg)	Organic solvent emission in waste gases(kg)	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g by-passes (kg)	Solvents destroyed onsite through physical reaction e.g. incineration(kg)	Total emission of Solvent to air (kg)		(I) Inputs (kg)																																																				Total	
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								Total																																																								

AER Monitoring returns summary template: WATERS/WASTEWATERSEWER (a) (5) (b)(5)(D)

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 may need to complete table W2 and W3 for surface water analysis and visual inspections)

SELECT	
SELECT	

Was it a requirement of your license to carry out visual inspections on any surface water discharges or watercourses on or near your site? If yes please complete table W2 below summarizing [the visual inspection of watercourses and surface water discharges](#)

Table W1 Surface water monitoring

Location reference	Location relative to the activities	PERR Parameter	Licensed Parameter	EE or trigger level / Source or any "visible threat"?	License Compliance criteria	Measured value	28.1.11	1.1.11	20.1.11	15.4.11	24.4.11	2.1.11	20.8.11	17.9.11
DSE1	sewer	BIOXY	BIO	PERMIT	none	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
DSE1	sewer	AMMON	AMN	PERMIT	none	27	26	26	26	26	26	26	26	26
DSE1	sewer	COO	COO	PERMIT	none	33	33	33	33	33	33	33	33	33
DSE1	sewer	SS	SS	PERMIT	none	15	15	15	15	15	15	15	15	15
DSE1	sewer	PHOSPH	PHOS	PERMIT	none	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

*Trigger values may be agreed by the Agency outside of license conditions.

Table W2 Visual inspections>Please only enter details where contamination was observed.

Location Reference	Date of inspection	Description of contamination	Date of contamination	Corrective action
DSE1				
DSE1				

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

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

no	
no	

Was it a requirement of your license to carry out monitoring in accordance with the guidance and methods for Quality Assurance Monitoring Data required to the DSE? If no please detail what areas require improvement in additional information below

no	
----	--

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

Emission reference no.	Location reference no.	Parameter /Substance/line 1	Type of sample	Frequency of sampling	Sampling period	EE or trigger value in license or any visible "threat"?	License Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Statistical reference source	Statistical reference standard number	Annual max limit (mg)	Comments
Emissions to sewer	Wastewater/Sewer	pH	composite	Monthly	Monthly	6 to 10	No pH value shall deviate from the specified range.	6.4	pH units	no (no please enter details in comments band)	pH Meter (electrode)	APHA /AWWA "Standard Methods"	method 6501-106		On the 17/01/2011 and 16/01/2011 sample results exceeded the licence limit of 6.0 pH units with a result of 5.8 pH units on both dates.
Emissions to sewer	Wastewater/Sewer	COO	composite	Monthly	Monthly	8000	All values < ELV	3980	mg/L	no (no please enter details in comments band)	Spectrophotometry (Colorimetry)	APHA /AWWA "Standard Methods"	02005, Closed Reflux, colourimetric method		On the 11/02/2011 sample result exceeded the licence limit of 8000 with a result of 11,000
Emissions to sewer	Wastewater/Sewer	SS	composite	Quarterly	Quarterly	3000	All values < ELV	480	mg/L	yes	Diluted Oyster Meter (gravimetric)	APHA /AWWA "Standard Methods"	method 5210-6		
Emissions to sewer	Wastewater/Sewer	Suspended Solids	composite	Monthly	Monthly	8000	All values < ELV	500.1	mg/L	yes	Gravimetric analysis	APHA /AWWA "Standard Methods"	5140		
Emissions to sewer	Wastewater/Sewer	Sulphate	composite	Quarterly	Quarterly	500	All values < ELV	62.4	mg/L	yes	Ion Chromatography	APHA /AWWA "Standard Methods"	method 6100-6		
Emissions to sewer	Wastewater/Sewer	Disinfectants (as MBAC)	composite	Quarterly	Quarterly	500	All values < ELV	0.300	mg/L	yes	Spectrophotometry (Colorimetry)	APHA /AWWA "Standard Methods"	method 6510-6		
Emissions to sewer	Wastewater/Sewer	Red, Oxid and Green	composite	Quarterly	Quarterly	500	All values < ELV	29.2	mg/L	yes	Gravimetric analysis	APHA /AWWA "Standard Methods"	method 5120-6		
Emissions to sewer	Wastewater/Sewer	Ammonia (as N)	composite	Quarterly	Quarterly	50	All values < ELV	19.844	mg/L	yes	Spectrophotometry (Colorimetry)	APHA /AWWA "Standard Methods"	method 6501-19-1		
Emissions to sewer	Wastewater/Sewer	Orthophosphate (as PO4)	composite	Quarterly	Quarterly	-	All values < ELV	1.264	mg/L	yes	Spectrophotometry (Colorimetry)	APHA /AWWA "Standard Methods"	method 6510-6		
Emissions to sewer	Wastewater/Sewer	Nitrate/Nitrogen	composite	Quarterly	Quarterly	-	All values < ELV	0.06	mg/L	yes	GC (See Chromatography)	APHA /AWWA "Standard Methods"	method 6510-6		
DSE-1	Water	pH	discrete	Monthly	Monthly	6.0-9.0 ****		7.3	pH units	yes	pH Meter (electrode)	APHA /AWWA "Standard Methods"	method 6501-106		
DSE-1	Water	Conductivity	discrete	Monthly	Monthly	1000 (at 20°C) ****		113.1	µS/cm @20°C	yes	Conductivity Meter (electrode)	APHA /AWWA "Standard Methods"	method 25.106		
DSE-1	Water	COO	discrete	Monthly	Monthly	60 mg/L ****		63.4	mg/L	no (no please enter details in comments band)	Spectrophotometry (Colorimetry)	APHA /AWWA "Standard Methods"	02005, Closed Reflux, colourimetric method		On the following dates the result for this parameter exceeded the limit value of 60mg/L: 28/01, 11/02, 20/03, 15/04, 05/05, 12/06, 17/08, 17/09
DSE-1	Water	Ammonia (as N)	discrete	Quarterly	Quarterly	High Standard (34 Good Status +100%) ****		2.268	mg/L	no (no please enter details in comments band)	Spectrophotometry (Colorimetry)	APHA /AWWA "Standard Methods"	method 6501-19-1		On the following dates the result for this parameter exceeded the limit value of 100mg/L for good status water: 28/01, 11/02, 20/03, 15/04, 05/05, 12/06, 17/08 and 18/09
DSE-1	Water	Suspended Solids	discrete	Monthly	Monthly	50 mg/L ****		47.2	mg/L	no (no please enter details in comments band)	Gravimetric analysis	APHA /AWWA "Standard Methods"	5140		On the following dates the result for this parameter exceeded the limit value of 50mg/L for good status water: 28/01, 11/02, 20/03, 17/08 and 18/09
DSE-1	Water	Mineral oils	discrete	Quarterly	Quarterly	<0.01mg/l		<0.01	mg/L	yes	GC (See Chromatography)	APHA /AWWA "Standard Methods"	method 6510-6		

Note 1: Conductivity should be recorded at a temperature of 20°C.
 Note 2: Where Emissions Limit Values (ELV) do not apply to your licence please complete against 'EEL' for Surface water or relevant receptor quality demands.
 Note 3: ELV: 0.020000 mg/l (Average Concentration) (Intermittent) (Surface water) (receptor)
 Note 4: ELV: 0.010000 mg/l (Average Concentration) (Intermittent) (Surface water) (receptor)

AER Monitoring returns summary template-WATER/WASTEWATERSEWER Lic No: 10000000

Continuous monitoring
 5. Does your site carry out continuous emissions to water/sewer monitoring? Yes No Additional information: _____

If you please submit your continuous monitoring data below in Table W6 and compare it to the relevant Emission Limit Value (ELV)

6. Did continuous monitoring equipment experience downtime? **If you please record downtime in table W6 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 you please complete table W6 below**

Table W6: Summary of average emissions -continuous monitoring

Emission reference no.	Parameter measured	Parameter Substance	ELV or trigger value in licence or any restriction imposed	Reporting 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 exceedances in reporting year	Comments

Note: Volumetric flow shall be included in a separate parameter

Table W5: Abatement system bypass reporting table

Date	Location (Down)	Location	Residual emissions	Reason for bypass	Operator action*	Was a report submitted to the EPA?	What was the report submitted?

*Actions 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

- 1 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)
- 2 How many bunds are on site?
- 3 How many of these bunds have been tested within the required test schedule?
- 4 How many mobile bunds are on site?
- 5 Are the mobile bunds included in the bund test schedule?
- 6 How many of these mobile bunds have been tested within the required test schedule?
- 7 How many sumps on site are included in the integrity test schedule?
- 8 How many of these sumps are integrity tested within the test schedule?

Yes	
3 years	
Yes	
3	
	Bund testing was 0 completed in 2012
	0
Yes	but not applicable
Not applicable	
	0
	0
No	

Please list any sump integrity failures in table B1

- 9 Do all sumps and chambers have high level liquid alarms?
- 10 If yes to Q11 are these failsafe systems included in a maintenance and testing 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? [bundling and storage guidelines](#)

- 15 Are channels/transfer systems to remote containment systems tested?
- 16 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

- 1 Please provide integrity testing frequency period

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)
	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT				SELECT

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

Groundwater/Soil monitoring template	Lic No: W0240-01	Year: 2013
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	Comments
1 Are you required to carry out groundwater monitoring as part of your licence requirements?	no
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 Is there contaminated land and /or groundwater on site? If yes please answer q's 5-12	no
5 Is the contamination related to operations at the facility (either current and/or historic)	SELECT
6 Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	SELECT
7 Please specify the proposed time frame for the remediation strategy	SELECT
8 Is there a licence condition to carry out/update ELRA for the site?	SELECT
9 Has any type of risk assesment been carried out for the site?	SELECT
10 Has a Conceptual Site Model been developed for the site?	SELECT
11 Have potential receptors been identified on and off site?	SELECT
12 Is there evidence that contamination is migrating offsite?	SELECT

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**	% change in average concentration previous year +/-	Upward trend in pollutant concentration over last 5 years of monitoring data
							SELECT				SELECT
							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: W0240-01 Year 2013

Table 2: Downgradient Groundwater monitoring results

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

* please note exceedance of a relevant Groundwater threshold value (GTV) at a representative monitoring point does not indicate non compliance, an exceedance triggers further investigation to confirm whether the criteria for poor groundwater chemical status are being met.

**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)

[Surface water EQS](#) [Groundwater regulations](#) [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:

W0240-01

Year

2013

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

		Commentary
1	ELRA initial agreement status	ELRA prepared by OCM and submitted to the EPA in April 2011
2	ELRA review status	
3	Amount of Financial Provision cover required as determined by the latest ELRA	
4	Financial Provision for ELRA status	
5	Financial Provision for ELRA - amount of cover	€58,552 to cover decommissioning and Site closure; AES has arranged insurance cover of €13,000,000 to cover liability arising from damage to property and injury to third parties as a result of sudden and unforeseen environmental impairment.
6	Financial Provision for ELRA - type	
7	Financial provision for ELRA expiry date	
8	Closure plan initial agreement status	
9	Closure plan review status	
10	Financial Provision for Closure status	
11	Financial Provision for Closure - amount of cover	
12	Financial Provision for Closure - type	
13	Financial provision for Closure expiry date	

Environmental Management Programme/Continuous Improvement Programme template		Lic No:	W0240-01	Year	2013
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 onsite 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	Roll out glass bin to limerick city area	90		Section Head	increased Recyclate generated
Reduction of emissions to Air	Eliminate the frequency of breach of Emission limit values in Dust	60	Increased yard sweeping and general housekeeping	Individual	Reduced emissions
Reduction of emissions to Water	Improve the quality of storm water discharges	10	Set interim Trigger values for stormw ater discharges	Individual	Reduced emissions
Waste reduction/Raw material usage efficiency	Reduce water consumption for bin washing by 50% in 2013	100	Install Rainwater harvesting tank to collect rainwater for use in Bin wash area	Individual	Improved Environmental Management Practices
Waste reduction/Raw material usage efficiency	Reduce water consumption for bin washing by 50% in 2013	100	Modify Bin washing technique - employ a mechanical rotating jet washer .	Individual	Conservation of natural resources
Waste reduction/Raw material usage efficiency	Reduce water consumption for bin washing by 50% in 2013	100	Install an additional rainwater harvester to collect rainwater from the main waste processing building	Individual	Conservation of natural resources
Groundwater protection	Zero risk to groundwater from site activities	10	Conduct monthly site walkovers to assess the integrity of the yard concrete and replace any broken sections of concrete on an annual basis	Individual	Improved Environmental Management Practices
Energy Efficiency/Utility conservation	Reduce road diesel consumption by 15% in 2014	30	Introduce Spilt body waste collection vehicles in North Tipperary allowing 2 waste streams to be collected simultaneously and therefore reducing the number of trucks on the routes	Section Head	Reduced emissions
SELECT		SELECT		SELECT	SELECT
SELECT		SELECT		SELECT	SELECT

Noise monitoring summary report

Lic No: W0240-01

Year

2013

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?

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

No

Table N1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location NSL (if applicable)	LA _{eq}	LA ₉₀	LA ₁₀	LA _{max}	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is site compliant with noise limits (day/evening/night)?
12/11/2013	9.05-9.35	N1		55	51	58	72	No	SELECT	Onsite noise sources included the power washing of wheelie bins in the yard, AES trucks entering and exiting the facility and the occasional beeping when reversing the vehicles, banging of doors, rattling of chains on skips. The higher SPL value recorded on the 3rd round was primarily due to heavier road traffic passing on the Limerick Road during the busy morning hours (9:02-9:32am)	Y
12/11/2013	12.32-13.02	N1		54	50	56	70	No			
13/11/2013	9.03-9.33	N1		57	52	58	79	No			
12/11/2013	9.37-10.07	N2		55	50	56	72	No			
12/11/2013	14.00-14.30	N2		54	45	56	73	No		Onsite activities included power washing from the front of the site, the movement of vehicles in the yard, and lorry's idling on the weighbridge. Off site noise sources included constant road traffic which was continuously faintly audible in the distance	
13/11/2013	9.40-10.10	N2		53	48	56	67	No			
12/11/2013	10.11-10.41	N3		55	49	56	72	No			
12/11/2013	14.32-15.02	N3		54	46	56	77	No		The main source of onsite noise at this location was due to the engine of trucks left running in the yard while waiting to enter the waste storage/reception shed. The sorting of recyclables in the waste storage area attributed to the remainder of site noise including reversing alarms, chains rattling on skips	
13/11/2013	10.13-10.43	N3		55	49	58	75	No			
12/11/2013	10.49-11.19	N4		53	49	55	62	No		Road traffic was the dominant source of noise at this monitoring location, including;	

12/11/2013	15.05-15.35	N4		51	46	54	71	No		constant traffic on the Dark, N52 and Kilcolman Roads. The higher SPL value recorded on the 3rd round of monitoring was primarily due to heavier road traffic passing on the Limerick Road.
13/11/2013	12.25-12.55	N4		56	50	59	70	No		
12/11/2013	11.23-11.53	NSL1	Between garage and house, across the road and ca. 20m from entrance to AES	54	50	57	70	No		Noise attributed to AES activities included; vehicles entering/exiting the facility, the general humming noise from operations within the main reception shed (faintly audible) and intermittent power washing of wheelie bins (faintly audible). Off-site noise sources included constant heavy traffic on the Limerick (N52), Kilcolman and Dark roads. Intermittent banging & air tool use from Comerford's garage (15m) was also occasionally audible
12/11/2013	15.39-16.09	NSL1		53	47	56	73	No		
13/11/2013	11.06-11.36	NSL1		55	38	59	74	No		
12/11/2013	11.58-12.28	NSL2		45	42	48	62	No		
12/11/2013	16.15-16.45	NSL2		45	42	47	60	No		Site activity was only faintly audible at this location and included; lorry engines and occasional reversing alarms. The dominant source of noise at this location was due to road traffic on the N52 (Limerick) and Kilcolman Roads
13/11/2013	11.50-12.20	NSL2	House, ca. 150m west of AES	48	45	50	55	No		

*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?

nothing**

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

Slight exceedances were due to offsite activities

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 SEAI programme linked to the right? If yes please list them in additional information

3 Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information

Additional information	
	2010
No	
SELECT	

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	4695.09	3223.33		Energy consumption per t of waste collected was reduced in 2013 when compared to 2012. Due to the route optimisation programme and the introduction of split bodied trucks.
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	29.283	34.38		
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)	0			
Light Fuel Oil (litres)	458837	313605		
Natural gas (CMN)	0			
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

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

	2012	2013
DERV	432000	287997
	26837	25608
	4393.008	2928.641493
	272.798105	260.30532
	4665.806105	3188.946813

* 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

Resource Usage/Energy efficiency summary Lic No: W0240-01 Year 2013

Table R2 Water usage on site					Water Emissions	Water Consumption	
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*	Volume Discharged back to environment(m ³ /yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:
Groundwater							
Surface water							
Public supply	1564	1606					
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					
	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					

Complaints and Incidents summary template Lic No: W0240-01 Year 2013

Complaints		Additional information
Have you received any environmental complaints in the current reporting year? If yes please complete summary details of complaints received on site in table 1 below		No

Date	Category	Other type (please specify)	Brief description of complaint (Free txt <20 words)	Corrective action< 20 words	Resolution status	Resolution date	Further information
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
Total complaints open at start of reporting year	0						
Total new complaints received during reporting year	0						
Total complaints closed during reporting year	0						
Balance of complaints end of reporting year	0						

Incidents

Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 2 below		Additional information
		Breach of Dust ELV during Q2:

*For information on how to report and what constitutes an incident [What is an incident](#)

Date of occurrence	Incident nature	Location of occurrence	Incident category* please refer to guidance	Receptor	Cause of incident	Other cause(please specify)	Activity in progress at time of incident	Communication	Occurrence	Corrective action<20 words	Preventative action <20 words	Resolution status	Resolution date	Likelihood of reoccurrence
28/01/2013	Breach of ELV	Licensed discharge point (SE-1)	1. Minor	Sewer	Other (add details)	Unknown incident	Normal activities	EPA	New	Investigation undertaken - assumed that waste was received within a skip or container that was washed out in the bin wash area causing an extreme once off exceedance	waste acceptance procedures were reviewed and tightened up. Training was provided to general operatives onsite to report any irregularities on waste profile at waste reception	Complete		Low
02/05/2013	Breach of ELV	Licensed discharge point (D2)	1. Minor	Air	Not related to site activities	Algal accumulation within jar	Normal activities	EPA	New	investigation undertaken - algae and insects were noted within the dust gauge	increased yard sweeping was requested and general housekeeping was reviewed. The height if the hedgeorw was inspected to assess whether overhang was creating issues	Complete	30/06/2013	Low
17/09/2013	Breach of ELV	Licensed discharge point (SE-1)	1. Minor	Sewer	Other (add details)	Unknown incident	Normal activities	EPA	New			Complete		
16/10/2013	Breach of ELV	Licensed discharge point (SE-1)	1. Minor	Sewer	Other (add details)	Unknown incident	Normal activities	EPA	recurring			Complete		
	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT			SELECT		SELECT
Total number of incidents current year	4													
Total number of incidents previous year	5													
% reduction/ increase														

WASTE SUMMARY	Lic No:	W0240-01	Year	2013
SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES		PRTR facility logon	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)

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 European Waste Catalogue EWC codes	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which applies to relevant European Waste Catalogue EWC codes	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
24750	15 01 01	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Paper and Cardboard Packaging	673.50	548.19	23%	increased commercial activity	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	248.70	221.79	12%	increased commercial activity	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	120.11	54.89	119%	EWC codes more appropriately applied. Previously pallets would be coded as 17 02 01	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	0	28.35	-100%	waste stream was sent directly to third part	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	15 01 06	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Mixed packaging	1.36	0	100%	recoding issue	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	348.16	324.13	7%	Expansion of the glass collection for domestic customers	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		

WASTE SUMMARY		Lic No:		W0240-01		Year		2013		
17 02 01	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	C & D wood	189.15	103.46	83%	increased C & D activity		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	77.99	0	100%	increased C & D activity		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	5.84	0	100%	increased C & D activity		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 Waste	15.98	135.82	-88%	AES ceased offering skips in the area		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)	Non-hazardous healthcare wastes	67.96	71.29	-5%	waste reduction at source		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 waste electrical and electronic goods (WEEE)	2.8	0	100%			R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
20 01 38	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Wood from municipal sources seperately collected	1.32	0	100%	improved waste recording under more appropriate waste code - formerly this waste would have been coded as either 15 01 03 or 17 02 01		R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
20 01 39	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Plastic from municipal sources collected seperately	673.87	516.37	31%	increased commercial activity		R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		

WASTE SUMMARY		Lic No:		W0240-01		Year		2013		
20 01 40	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	metals from municipal sources separately collected	94.01	134.16	-30%	improved waste recording under more appropriate waste code - formerly this waste would have been coded as either 15 01 04 or 17 04 07		R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
20 02 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Garden and park waste	10.93	6.88	59%	increased activity - summer 2013		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 sweeping residues	209.43	277.7	-25%	waste reduction at source		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)	mixed concrete and bricks	0.96	0	100%	increased activity		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	1177.43	1077.22	9%	increased activity - summer 2013		R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
200301C	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	(Commercial) mixed municipal waste	6732.35	8430.21	-20%	waste acceptance was more closely monitored in 2013 to prevent exceeding licence tonnage		R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
200301D	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	(Domestic) mixed municipal waste	7944.33	8490.92	-6%	waste acceptance was more closely monitored in 2013 to prevent exceeding licence tonnage		R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		

WASTE SUMMARY		Lic No:		W0240-01		Year		2013	
200301KC	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Commercial Mixed Dry recyclables	1219.77	1002.29	22%	increased segregation at source	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
200301KD	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Domestic Mixed Dry recyclables	3421.05	3578.61	-4%	waste acceptance was more closely monitored in 2013 to prevent exceeding licence tonnage	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
200307C	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Commercial Bulky Waste (Skips)	217.77	143.88	51%	improved coding practices	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
200307D	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Domestic Bulky Waste	211.61	535.67	-60%	waste acceptance was more closely monitored in 2013 to prevent exceeding licence tonnage	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		

SECTION C-TO BE COMPLETED BY ALL WASTE FACILITIES (waste transfer stations, Composters, Material recovery facilities etc) EXCEPT LANDFILL SITES

4 Is all waste processing infrastructure as required by your licence and approved by the Agency in place? If no please list waste processing infrastructure required onsite

Yes	
SELECT	
Yes	

5 Is all waste storage infrastructure as required by your licence and approved by the Agency in place? If no please list waste storage infrastructure required on site

Yes	
No	not requirement of our waste licence and odour is not an issue on site
No	

6 Does your facility have relevant nuisance controls in place?

7 Do you have an odour management system in place for your facility? If no why?

8 Do you maintain a sludge register on site?

SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY

Table 2 Waste type and tonnage-landfill only

Waste types permitted for disposal	Authorised/licenced annual intake for disposal (tpa)	Actual intake for disposal in reporting year (tpa)	Remaining licensed capacity at end of reporting year (m3)	Comments

WASTE SUMMARY Lic No: W0240-01 Year: 2013

Table 3 General information-Landfill only

Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public Operated	Inert or non-hazardous	Predicted date to cease landfilling	Licence permits asbestos	Is there a separate cell for asbestos?	Accepted asbestos in reporting year	Total disposal area occupied by waste SELECT UNIT	Lined disposal area occupied by waste SELECT UNIT	Unlined area SELECT UNIT	Comments on liner type
Cell 8													

Table 4 Environmental monitoring [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	

AER Returns Workbook

REFERENCE YEAR	2013
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1. FACILITY IDENTIFICATION

Parent Company Name	Advanced Environmental Solutions (Ireland) Limited
Facility Name	Advanced Environmental Solutions (Ireland) Limited (Nenagh)
PRTR Identification Number	W0240
Licence Number	W0240-01

Waste or IPPC Classes of Activity

No.	class_name
3.13	Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.

Address 1	Solsborough
Address 2	Springfort Cross
Address 3	Nenagh
Address 4	Co. Tipperary
	Tipperary
Country	Ireland
Coordinates of Location	-8.22389 52.85971
River Basin District	IEGBNISH
NACE Code	3900
Main Economic Activity	Remediation activities and other waste management services
AER Returns Contact Name	Charlotte Greene
AER Returns Contact Email Address	Charlotte.greene@bnm.ie
AER Returns Contact Position	Environmental Officer
AER Returns Contact Telephone Number	045 439 492
AER Returns Contact Mobile Phone Number	087 7697465
AER Returns Contact Fax Number	N/A
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	33
User Feedback/Comments	Waste tonnage in 2012 was above the licence limit. A closer monitoring of waste acceptance and waste movements throughout the year meant a reduced tonnage but within the licence limit for 2013. Some changes in waste coding showed more outgoing separately collected municipal metals and plastics, formerly they would have been coded as C & D waste types. A wider selection of waste destinations was used in 2013 due to the increased landfill gate fees and landfill levy. Increased use of waste processing destinations was also a factor.
Web Address	

2. PRTR CLASS ACTIVITIES

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

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

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

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)?	
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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# : W0240 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Nenagh) | Filename : w0240_2013.xls | Return Year : 2013 |

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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR							Please enter all quantities in this section in KGs		
POLLUTANT		METHOD			QUANTITY				
No. Annex II	Name	M/C/E	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 AIR							Please enter all quantities in this section in KGs		
POLLUTANT		METHOD			QUANTITY				
No. Annex II	Name	M/C/E	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 AIR							Please enter all quantities in this section in KGs		
POLLUTANT		METHOD			QUANTITY				
Pollutant No.	Name	M/C/E	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

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:

Landfill:	Advanced Environmental Solutions (Ireland) Limited (Nenagh)				
Please enter summary data on the quantities of methane flared and / or utilised			Method Used		
	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 : W0240 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Nenagh) | Filename : w0240_2013.xls | Return Year : 2013

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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT					QUANTITY			
No. Annex II	Name	M/C/E	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

* 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					QUANTITY			
No. Annex II	Name	M/C/E	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

* 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					QUANTITY			
Pollutant No.	Name	M/C/E	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

* 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# : W0240 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Nenagh) | File# :

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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 Code	Method Used 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 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 Code	Method Used 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

4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

| PRTR# : W0240 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Nenagh) | Filename : w0240_2013.xls | Return Year : 2013 |

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SECTION A : PRTR POLLUTANTS

POLLUTANT		RELEASES TO LAND			METHOD			Please enter all quantities in this section in KGs		
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year			
					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		RELEASES TO LAND			METHOD			Please enter all quantities in this section in KGs		
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year			
					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#: W0240 | Facility Name: Advanced Environmental Solutions (Ireland) Limited (Nenagh) | Filename: w0240_2013.xls | Return Year: 2013 |

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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 : 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)
						M/C/E	Method Used		Haz Waste: Name and Licence/Permit No of Recover/Disposer	Non Haz Waste: Address of Recover/Disposer		
Within the Country	13 05 07	Yes	0.0	oily water from oil/water separators	D9	M	Weighed	Offsite in Ireland	ENVA Ireland Ltd.,W0184-01	Clonminam Industrial Estate,Portlaoise,Co. Laois,,Ireland	ENVA Ireland Ltd.,W0184-01,Clonminam Industrial Estate,Portlaoise,Co. Laois,,Ireland	Clonminam Industrial Estate,Portlaoise,Co. Laois,,Ireland
Within the Country	13 05 07	Yes	0.0	oily water from oil/water separators	D9	M	Weighed	Offsite in Ireland	Padraic Thornton Waste Disposal Ltd trading as Thomtons Recycling,WFP-KE-10-0061-01	Unit S3B ,Henry Road, Park West Business Park,Dublin,Ireland	Rilta Environmental Limited,W0192-03,Block 402 Grant's Drive,Greenogue Business Park,Rathcoole,County Dublin,Ireland	Block 402 Grant's Drive,Greenogue Business Park,Rathcoole,County Dublin,Ireland
Within the Country	15 01 01	No	304.49	paper and cardboard packaging	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03	Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland		
Within the Country	15 01 02	No	93.11	plastic packaging	R3	M	Weighed	Offsite in Ireland	Leinster Environmentals,WP 2008/06	Clermont Business Park,Haggardstown,Dundalk, Co. Louth,Ireland		
Within the Country	15 01 03	No	75.44	wooden packaging	R3	M	Weighed	Offsite in Ireland	CJ Sheeran ,P0337-01 Thomas O'Neill (Timber recycling)	Mountrath Sawmills ,Shannon Street Mountrath,Co. Laois,,Ireland		
Within the Country	15 01 03	No	0.0	wooden packaging	R3	M	Weighed	Offsite in Ireland	Ltd,WFP/LK/2012/05B/R1	18 Upper William Street,Limerick,,Ireland		
Within the Country	15 01 07	No	510.7	glass packaging	R5	M	Weighed	Offsite in Ireland	Rehab Glassco Ltd,WFP-KE-08-0357-01 Thomas O'Neill (Timber recycling)	Unit 4 Osberstown Industrial Park,Caragh Road,Naas,Co. Kildare,Ireland		
Within the Country	17 02 01	No	15.5	wood	R3	M	Weighed	Offsite in Ireland	Ltd,WFP/LK/2012/05B/R1 Thomas O'Neill (Grain Merchant) Ltd,WP LK 05(a)	18 Upper William Street,Limerick,,Ireland		
Within the Country	17 02 01	No	0.0	wood	R13	M	Weighed	Offsite in Ireland	Clearcircle Metals (formerly Hegarty Metal Recycling Ltd.),WFP-LKC-11-001-01	Ballysimon Road,Limerick,,Ireland		
Within the Country	17 04 07	No	28.94	mixed metals mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	R13	M	Weighed	Offsite in Ireland	Gortadroma Landfill Site Limerick Co. Co.,W0017-04	Ballysimon Road,Limerick,,Ireland		
Within the Country	17 09 04	No	51.44	09 02 and 17 09 03	D1	M	Weighed	Offsite in Ireland				
Within the Country	20 01 08	No	1099.46	biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Acorn Recycling,W0249-01	Archerstown Industrial Estate,Thurles,Co. Tipperary,,Ireland		
Within the Country	20 01 08	No	0.0	biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Miltown Composting Ltd,W0270-01	Moorstown,Fethard,Co. Tipperary,,Ireland		
Within the Country	20 01 08	No	0.0	biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03 Clearcircle Metals (formerly Hegarty Metal Recycling Ltd.),WFP-LKC-11-001-01	Killinagh Upper,Carbury,Co. Kildare,,Ireland		
Within the Country	20 01 40	No	10.76	metals	R13	M	Weighed	Offsite in Ireland	Midland Waste Disposal Ltd (AES Navan),W0131-02	Ballysimon Road,Limerick,,Ireland Proudstown		
Within the Country	20 03 01	No	76.76	mixed municipal waste	D13	M	Weighed	Offsite in Ireland				

Within the Country	20 03 01	No	6159.71 mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03	Killinagh Upper,Carbury,Co. Kildare,,Ireland
Within the Country	20 03 01	No	4236.9 mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Gortadroma Landfill Site Limerick Co. Co.,W0017-04	Gortadroma,Ballyhahill,Limerick,,Ireland
Within the Country	20 03 01	No	4651.88 mixed municipal waste	R1	M	Weighed	Offsite in Ireland	Indaver (Ireland) Ltd,W0167-03	Carranstown,Dulleek,Co Meath,,Ireland
Within the Country	20 03 01	No	76.14 mixed municipal waste	R12	M	Weighed	Offsite in Ireland	Thorntons Recycling Ltd,W0044-02	Road,Ballyfermot,Dublin,10,Ireland
Within the Country	20 03 01	No	122.02 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	O'Toole Composting Ltd,WFP-CW-10-0003-01	Ballintrane,Fenagh,Carlow,,Ireland
Within the Country	20 03 01	No	2331.84 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Killarney Waste Disposal Ltd (KWD),W0217-01	Aughacurreen ,Killarney ,Co. Kerry,,Ireland
Within the Country	20 03 01	No	2524.14 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03	Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03	Killinagh Upper,Carbury,Co. Kildare,,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Kyletalesha Landfill Laois Co. Co.,W0026-03	Clonsoughy Kyleclonhobert ,Portlaoise,Co. Laois,,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Gortadroma Landfill Site Limerick Co. Co.,W0017-04	Gortadroma,Ballyhahill,Limerick,,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03	Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03	Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03	Killinagh Upper,Carbury,Co. Kildare,,Ireland
Within the Country	20 03 03	No	241.66 street-cleaning residues	D5	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03	Killinagh Upper,Carbury,Co. Kildare,,Ireland
Within the Country	15 01 01	No	35.79 paper and cardboard packaging	R13	M	Weighed	Offsite in Ireland	Greenstar Ltd,W0082-02	Ballykeefe Townland ,Dock Road,Limerick,,Ireland
Within the Country	15 01 01	No	52.039 paper and cardboard packaging	R13	M	Weighed	Offsite in Ireland	Irish Packaging Recycling,W0263-01	Ballymount Road,Walkinstown,Dublin,12 ,Ireland
Within the Country	15 01 02	No	81.526 plastic packaging	R13	M	Weighed	Offsite in Ireland	Irish Packaging Recycling,W0263-01	Ballymount Road,Walkinstown,Dublin,12 ,Ireland
Within the Country	15 01 02	No	1.09 plastic packaging	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03	Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland
Within the Country	15 01 03	No	104.18 wooden packaging	R13	M	Weighed	Offsite in Ireland	Clonmel Waste Disposal Ltd,WFP-TS-11-0001-01	Lawlesstown,Clonmel,Co. Tipperary,,Ireland
Within the Country	15 01 03	No	42.4 wooden packaging	R13	M	Weighed	Offsite in Ireland	Irish Packaging Recycling,W0263-01	Ballymount Road,Walkinstown,Dublin,12 ,Ireland
Within the Country	15 01 03	No	0.1 wooden packaging	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03	Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland
Within the Country	17 01 07	No	27.84 01 06 mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17	R13	M	Weighed	Offsite in Ireland	Gortadroma Landfill Site Limerick Co. Co.,W0017-04	Gortadroma,Ballyhahill,Limerick,,Ireland
Within the Country	17 02 01	No	173.14 wood	R13	M	Weighed	Offsite in Ireland	Clonmel Waste Disposal Ltd,WFP-TS-11-0001-01	Lawlesstown,Clonmel,Co. Tipperary,,Ireland

Within the Country	17 04 07	No	72.88 mixed metals	R13	M	Weighed	Offsite in Ireland	United Metals .WFP/LK/2010/147A/R1	Eastway Business Park,Ballysimon,Limerick,,Ireland
Within the Country	17 04 11	No	cables other than those mentioned in 17 04 4.02 10	R13	M	Weighed	Offsite in Ireland	United Metals .WFP/LK/2010/147A/R1	Eastway Business Park,Ballysimon,Limerick,,Ireland
Within the Country	20 03 07	No	107.86 bulky waste	R13	M	Weighed	Offsite in Ireland	Nurendale Ltd. T/A Panda Waste Services,W0140-04	Rathdrinagh,Beauparc Navan,Co. Meath,,Ireland Proudstown
Within the Country	20 03 07	No	25.32 bulky waste	R13	M	Weighed	Offsite in Ireland	Midland Waste Disposal Ltd (AES Navan),W0131-02	Road,Clonmagadden Navan,Co Meath,,Ireland Cappincur Industrial Estate,Daingean
Within the Country	20 01 36	No	discarded electrical and electronic equipment other than those mentioned in 20 0.56 01 21, 20 01 23 and 20 01 35	R13	M	Weighed	Offsite in Ireland	KMK Metals Recycling Ltd,W0113-03	Road,Tullamore,Offaly,Ireland Ballymount
Within the Country	20 01 40	No	0.14 metals	R13	M	Weighed	Offsite in Ireland	Irish Packaging Recycling,W0263-01	Road,Walkinstown,Dublin,12 ,Ireland
Within the Country	20 01 40	No	69.86 metals	R13	M	Weighed	Offsite in Ireland	United Metals .WFP/LK/2010/147A/R1	Eastway Business Park,Ballysimon,Limerick,,Ireland Ballymount
Within the Country	20 01 39	No	204.588 plastics	R13	M	Weighed	Offsite in Ireland	Irish Packaging Recycling,W0263-01	Road,Walkinstown,Dublin,12 ,Ireland Killeen
Within the Country	20 01 39	No	300.98 plastics	R13	M	Weighed	Offsite in Ireland	Thorntons Recycling Ltd,W0044-02	Road,Ballyfermot,Dublin,10,Ireland

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

[Link to previous years waste data](#)

[Link to previous years waste summary data & percentage change](#)

[Link to Waste Guidance](#)