

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

Please note an interpretation of results is still required. This should be entered in the additional information/comments boxes within the templates. Please size these boxes appropriately to fit your interpretation, if additional space is required please include an appendix to the AER template and merge it as part of the AER PDF document. The excel template should have all cells sized appropriately so that all text is readable before it is converted to PDF document.

Facility Information Summary	
AER Reporting Year	2014
Licence Register Number	W0222-01
Name of site	AES Lusk
Site Location	Coldwinters, Blakescross, Lusk Co. Dublin
NACE Code	3832
Class/Classes of Activity	Classes 11, 12 & 13 of the Third schedule of the WMA 1996-2011; Classes 2, 3, 4, and 13, of the forth Schedule of the WMA act
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 Lusk opened in July 2014 when the Waste Licence (W0222-01) was transferred to Advanced Environmental Solutions (Ireland) Ltd. The facility is primarily a waste processing facility for Commercial and Industrial and Construction and Demolition Wastes. In addition mixed municipal wastes (inc recyclables) from households, municipal sources and retail and industrial sources is accepted. This material is unloaded, and stored pending bulk transfer to onward waste processing destinations with Ireland. C&D and C&I wastes are unloaded and any items that unacceptable wastes and are unsuitable for processing are removed. wastes are then loaded into a hopper and passed via conveyor over a magnet prior to being passed through a trommel (80mm screen). small materials are passed over a star screen where fine particulate granular material is seperated from larger light material (Paper, plastic, tiles, ceramics, stones, etc). further mechanical seperation seperates small clena construction rubble from light paper and plastcis suitable for SRF production. the oversize material from the trommelling process is passed through a manual sorting room where concrete, wood, plastic, and metals are sorted. After passing over another overband magnet the remaining residual wastes are bulked for tranfer to landfill or sent for energy recovery as low grade RDF.

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.

	31.03.15 _____
Signature Environmental Officer	Date

AIR-summary template Lic No: W0222-01 Year 2014

Answer all questions and complete all tables where relevant

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** licenced emissions and **do not complete a solvent management plan** (table A4 and A5) you do not need to complete the tables

Additional information	
No	

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	NOT APPLICABLE
--------	----------------

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

SELECT	NOT APPLICABLE
--------	----------------

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

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

AIR-summary template	Lic No: W0222-01	Year	2014
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)

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

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

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

Table A2: Summary of average emissions -continuous monitoring

Emission reference no:	Parameter/ Substance	ELV in licence or any revision thereof	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

No

Table A4: Solvent Management Plan Summary	Solvent regulations	Please refer to linked solvent regulations to complete table 5 and 6
Total VOC Emission limit value		

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

Table A5: Solvent Mass Balance summary								
	(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.	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** licenced 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	
Yes	No Contamination noted during visual inspections, Discharge from facility has been block off until futher notice pending remedial repairs

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
SW1	upstream	BOD	SELECT	Annual		N/A	<2	mg/L	yes	
SW-1	upstream	COD	SELECT	Annual		N/A	<10	mg/L	yes	
SW1	upstream	Ammonia as N	SELECT	Annual		N/A	<0.02	mg/L	yes	
SW1	upstream	Chloride	SELECT	Annual		N/A	39	mg/L	yes	
SW1	upstream	Suspended Solids	SELECT	Annual		N/A	18	mg/L	yes	
SW1	upstream	Boron	SELECT	Annual		N/A	44	µg/L	yes	
SW1	upstream	Beryllium	SELECT	Annual		N/A	<2	µg/L	yes	
SW1	upstream	Aluminum	SELECT	Annual		N/A	255	µg/L	yes	
SW1	upstream	Chromium	SELECT	Annual		N/A	<2	µg/L	yes	
SW1	upstream	Manganese	SELECT	Annual		N/A	33	µg/L	yes	
SW1	upstream	Cobalt	SELECT	Annual		N/A	<2	µg/L	yes	
SW1	upstream	Nickel	SELECT	Annual		N/A	2	µg/L	yes	
SW1	upstream	Copper	SELECT	Annual		N/A	3	µg/L	yes	
SW1	upstream	Zinc	SELECT	Annual		N/A	20	µg/L	yes	
SW1	upstream	Arsenic	SELECT	Annual		N/A	<2	µg/L	yes	
SW1	upstream	Selenium	SELECT	Annual		N/A	<2	µg/L	yes	
SW1	upstream	Silver	SELECT	Annual		N/A	<2	µg/L	yes	
SW1	upstream	Cadmium	SELECT	Annual		N/A	<2	µg/L	yes	
SW1	upstream	Tin	SELECT	Annual		N/A	<2	µg/L	yes	
SW1	upstream	Antimony	SELECT	Annual		N/A	<2	µg/L	yes	
SW1	upstream	Barium	SELECT	Annual		N/A	52	µg/L	yes	
SW1	upstream	Lead	SELECT	Annual		N/A	<2	µg/L	yes	
SW1	upstream	Mercury	SELECT	Annual		N/A	<1	µg/L	yes	
SW1	upstream	Sodium	SELECT	Annual		N/A	19	mg/L	yes	
SW1	upstream	Magnesium	SELECT	Annual		N/A	10	mg/L	yes	
SW1	upstream	Potassium	SELECT	Annual		N/A	5	mg/L	yes	
SW1	upstream	Calcium	SELECT	Annual		N/A	114	mg/L	yes	
SW1	upstream	Iron	SELECT	Annual		N/A	0.5	mg/L	yes	
SW1	upstream	Total Coliforms	SELECT	Annual		N/A	7500	cfu/100ml	yes	
SW1	upstream	E-Coli	SELECT	Annual		N/A	3700	cfu/100ml	yes	
SW-2	downstream	BOD	SELECT	Annual		N/A	<2	mg/L	yes	
SW-2	downstream	COD	SELECT	Annual		N/A	12	mg/L	yes	
SW-2	downstream	Ammonia as N	SELECT	Annual		N/A	<0.02	mg/L	yes	
SW-2	downstream	Chloride	SELECT	Annual		N/A	39	mg/L	yes	
SW-2	downstream	Suspended Solids	SELECT	Annual		N/A	17	mg/L	yes	
SW-2	downstream	Boron	SELECT	Annual		N/A	41	µg/L	yes	
SW-2	downstream	Beryllium	SELECT	Annual		N/A	<2	µg/L	yes	
SW-2	downstream	Aluminum	SELECT	Annual		N/A	161	µg/L	Yes	
SW-2	downstream	Chromium	SELECT	Annual		N/A	<2	µg/L	yes	
SW-2	downstream	Manganese	SELECT	Annual		N/A	24	µg/L	yes	
SW-2	downstream	Cobalt	SELECT	Annual		N/A	<2	µg/L	yes	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)				Lic No:	W0222-01	Year	2014

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

No	
----	--

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

SELECT	Not applicable
--------	----------------

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

SELECT	Not applicable
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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

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**

- 1 **outside the licenced testing period** (mobile bunds and chemstore included)
- 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?

Additional information

Yes	
3 years	
Yes	
2	Diesel tank integrated double skin; mobile bunds for oils in maintenance shed
2	
1	
Yes	
0	Site opened in July 2014, Diesel tank and mobile bunds are new
0	
0	
No	
N/A	
N/A	No Firewater Retention Pond

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)
Green Diesel tank	other (please specify)	Double skin tank	Gas oil			Structural assessment		Scheduled for 2015	SELECT	SELECT		SELECT		
Oil bunds	prefabricated	Steel	Oils			Structural assessment		Scheduled for 2015	SELECT	SELECT		SELECT		

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

Commentary

No	Scheduled for completion in 2015
Yes	
SELECT	Scheduled for completion in 2015

- Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance? [bunding and storage guidelines](#)
- 16 Are channels/transfer systems to remote containment systems tested?
 - 17 Are channels/transfer systems compliant in both integrity and available volume?

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**

- 1 **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	Completed October 2014

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)
Storm water pipeline	Storm	concrete	No	SELECT	CCTV	Yes	Fail	Seepage noted between Concrete Rings - SEW being prepared for repairs	SEW being prepared to conduct repairs	Dec-15	SELECT
Storm water oil interceptor	Storm	other (please specify)	Yes	Other (double wall chamber)	CCTV	Yes	Pass				

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

Groundwater/Soil monitoring template

Lic No:

W0222-01

Year

2014

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 interpretation as an additional section in this AER
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.	no	
5	Is the contamination related to operations at the facility (either current and/or historic)	yes	
6	Have actions been taken to address contamination issues? If yes please summarise remediation strategies proposed/undertaken for the site	yes	
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	

There are 2 licenced groundwater monitoring locations which are monitored on a Bi-annual basis. GW1 and GW2. GW2 was lost prior to licence transfer to AES. An alternative downgradient well was installed by the licensee in February 2015. Water quality in the two licence monitoring wells did not reveal any contamination. However a portion of land to the southeast of the site was identified as being contaminated due to a historic oil spill. The Nature and extent of this contamination event is currently under investigation and a remediation strategy is being prepared for approval by the Agency. A Technical Assessment report is being prepared which will include a proposal to remediate the contamination area. The costs for the remediation of the historic contamination have been provided for in the Financial Provision for the DMP.

Table 1: Upgradient 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 pollutant concentration over last 5 years of monitoring data
19/12/2014	GW-1	pH	APHA 2012 4500 H&B	Annual	7.6		pH units	6.5-9.5	6.5-9.5	data not available
19/12/2014	GW-1	Conductivity	APHA 2012 2510B	Annual	734		µS/cm	800-1875	1,000	data not available
19/12/2014	GW-1	COD	APHA,2012 5220D	Annual	20		mg/l	-	-	data not available
19/12/2014	GW-1	Ammonia as N	bluebook Ammonia in waters	Annual	0.14		mg/l	-	-	data not available
19/12/2014	GW-1	Ammonia as Ammonium	APHA 2012 4500-NH3 and bluebook Ammonia in waters 1981	Annual	0.18		mg/l	0.065-0.175	0.15	data not available
19/12/2014	GW-1	DRO	Gas Chromatography	Annual	<0.01		mg/l	-	-	data not available
19/12/2014	GW-1	Mineral oil	Gas Chromatography	Annual	<0.01		mg/l	-	-	data not available
19/12/2014	GW-1	Nitrate as NO ₃	APHA 2012 4500-NO ₂ .B. Colorimetric Method	Annual	<0.04		mg/l	37.5	25	data not available
19/12/2014	GW-1	Total Nitrogen	APHA 2012 4500-NO ₂ .B. Colorimetric Method	Annual	<1.00		mg/l	-	-	data not available
19/12/2014	GW-1	Chloride	APHA 2012 4500-CL-E	Annual	45		mg/l	187.5	30	data not available
19/12/2014	GW-1	Boron	ICP-MS	Annual	113		µg/l	750	1000	data not available
19/12/2014	GW-1	Beryllium	ICP-MS	Annual	<2		µg/l	-	-	data not available
19/12/2014	GW-1	Aluminium	ICP-MS	Annual	<2		µg/l	150	200	data not available
19/12/2014	GW-1	Chromium	ICP-MS	Annual	<2		µg/l	37.5	30	data not available
19/12/2014	GW-1	Manganese	ICP-MS	Annual	24		µg/l	-	50	data not available
19/12/2014	GW-1	Cobalt	ICP-MS	Annual	<2		µg/l	-	-	data not available

Groundwater/Soil monitoring template				Lic No:	W0222-01	Year	2014		
19/12/2014	GW-1	Nickel	ICP-MS	Annual	<2	µg/l	15	20	data not available
19/12/2014	GW-1	Copper	ICP-MS	Annual	<2	µg/l	1500	30	data not available
19/12/2014	GW-1	Zinc	ICP-MS	Annual	<2	µg/l	-	100	data not available
19/12/2014	GW-1	Arsenic	ICP-MS	Annual	<2	µg/l	7.5	10	data not available
19/12/2014	GW-1	Selenium	ICP-MS	Annual	<2	µg/l	-	-	data not available
19/12/2014	GW-1	Silver	ICP-MS	Annual	<2	µg/l	-	-	data not available
19/12/2014	GW-1	Cadmium	ICP-MS	Annual	<2	µg/l	3.75	5	data not available
19/12/2014	GW-1	Tin	ICP-MS	Annual	<2	µg/l	-	-	data not available
19/12/2014	GW-1	Antimony	ICP-MS	Annual	<2	µg/l	-	-	data not available
19/12/2014	GW-1	Barium	ICP-MS	Annual	48	µg/l	-	100	data not available
19/12/2014	GW-1	Lead	ICP-MS	Annual	<2	µg/l	18.75	10	data not available
19/12/2014	GW-1	Sodium	ICP-MS	Annual	45	mg/l	150	150	data not available
19/12/2014	GW-1	Magnesium	ICP-MS	Annual	25	mg/l	-	50	data not available
19/12/2014	GW-1	Potassium	ICP-MS	Annual	2	mg/l	-	5	data not available
19/12/2014	GW-1	Calcium	ICP-MS	Annual	93	mg/l	-	200	data not available
19/12/2014	GW-1	Iron	ICP-MS	Annual	<0.1	mg/l	-	0.2	data not available
19/12/2014	GW-1	Mercury	ICP-MS	Annual	<1	µg/l	0.75	-	data not available
19/12/2014	GW-1	e-Coli	MTM025	Annual	<1	cfu/100ml	-	0	data not available
19/12/2014	GW-1	Total Coliforms	MTM025	Annual	13	cfu/100ml	-	0	data not available
19/12/2014	GW-1	VOC's	GC-FID, GC-MS Based on USEPA 524.2 method	Annual	<0.001	mg/l	-	-	data not available

.+ where average indicates arithmetic mean

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

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**	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
							SELECT			SELECT
							SELECT			SELECT

*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](#) [regulations](#) [Drinking water \(private supply\) standards](#) [Drinking water \(public supply\) standards](#) [Interim Guideline Values \(IGV\)](#)
[EQS](#) [GTV's](#)

Groundwater/Soil monitoring template

Lic No:

W0222-01

Year

2014

Table 3: Soil results

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

GW2 was lost during site recommissioning . A new replacement groundwater monitoring well was installed following approval by the Agency in February 2015.

Environmental Liabilities template

Lic No:

W0222-01

Year

2014

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

		Commentary	
1	ELRA initial agreement status	Submitted and agreed by EPA	
2	ELRA review status	Review required and completed	ELRA agreed in 2014, no change to date to necessitate a review
3	Amount of Financial Provision cover required as determined by the latest ELRA	€459,482.40	
4	Financial Provision for ELRA status	Submitted and agreed by EPA	
5	Financial Provision for ELRA - amount of cover	€459,482.40	
6	Financial Provision for ELRA - type	cash deposit	
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan initial agreement status	Closure plan submitted and agreed by EPA	
9	Closure plan review status	Review required and completed	
10	Financial Provision for Closure status	Submitted and agreed by EPA	
11	Financial Provision for Closure - amount of cover	€419,103.10	
12	Financial Provision for Closure - type	cash deposit	
13	Financial provision for Closure expiry date	Enter expiry date	

Environmental Management Programme/Continuous Improvement Programme template	Lic No: W0222-01	Year 2014
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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 18001:2007) 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
Reduction of emissions to Water	Complete required repairs on storm water drainage network	20	CCTV investigation identified concrete storm water pipeline requires remedial repair to prevent ingress from surrounding groundwater; Prepare SEW for submission to EPA; Continue to tanker stormwater offsite until repairs are completed	Individual	Increased compliance with licence conditions
Groundwater protection	Remediate identified contaminated land to the southeastern corner of the site	30	Phase II Site investigation was carried out in February 2015. the findings will be used to prepare a preferred remedial strategy for submission for approval by the Agency.	Section Head	Remediation of contamination on site
Additional improvements	Decommission the onsite underground air drying chambers and ducts	10	SEW being prepared to submission to the Agency	Section Head	Reduced emissions
Additional improvements	Redesign the and repair damaged internal flooring in waste processing building	20	SEW being prepared to submission to the Agency	Individual	Increased compliance with licence conditions
Groundwater protection	Carry out interim and total repairs to yard hard stand	10	interim works to be completed by March 2015; SEW to be submitted to the Agency by May 2015; total works completed by December 2015	Section Head	Increased compliance with licence conditions
Additional improvements	Install a Truck/Bin wash	0	An SEW is being prepared for submission to the EPA by May 2015	Individual	Installation of infrastructure
SELECT		SELECT		SELECT	SELECT

Noise monitoring summary report

Lic No: W0222-01 Year

2014

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

If yes please fill in table N1 noise summary below

SELECT

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?

Enter date

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)?
7th & 28th Nov 2014	30min	N1		62	65	56	76	No		Site – Trommel within waste reception shed continuous and dominant throughout measurement - dominant. Reversing alarms from plant machinery within reception shed occasionally faintly audible. Background – Passing road traffic on the R132 not clearly visible but occasionally dominant	No
8th & 28th Nov 2014	30min	N1		63	66	57	No				
9th & 28th Nov 2014	30min	N1		59	60	56	77	No			
7th & 28th Nov 2014	30min	N2		65	70	59	84	No		Site –Congested with build-up of traffic entering/exiting site and passing close to monitoring position (15m) and entering/exiting main recycling shed (45m) + associated air break pressure release and reversing alarms - dominant. CAT loading shovel moving (40-100m). Skylift & trommel within reception shed occasionally audible (50/100m). Background – No significant offsite noise due to dominance of site activity.	No
8th & 28th Nov 2014	30min	N2		68	71	62	86	No			
9th & 28th Nov 2014	30min	N2		68	71	58	84	No			

7th & 28th Nov 2014	30min	N3		61	64	55	81	No		Site – Trommel operating within reception shed (10m) – dominant. Diesel engines from plant machinery within reception shed occasionally audible. Traffic to front of reception shed occasionally audible, including reversing alarms.	No
7th & 28th Nov 2014	30min	N3		62	65	55	76	No		Background – Road traffic occasionally audible in the distance. Continuous trickle of water in nearby stream (5m).	No
7th & 28th Nov 2014	30min	N3		61	64	55	79	No			No
7th & 28th Nov 2014	30min	N4		65	68	55	79	No			Yes
7th & 28th Nov 2014	30min	N4		64	68	56	78	No		Site – Traffic entering/exiting site (45-50m). Traffic activity in main yard not visible but audible during periods of low passing traffic on the adjacent public road.	
7th & 28th Nov 2014	30min	N4		65	69	54	80	No		Background – Large volumes of passing traffic nearby (15m) R132 road– dominant.	
7th & 28th Nov 2014	30min		NSL	64	67	54	78	No		Site – No audible site activity.	Yes
7th & 28th Nov 2014	30min		NSL	62	66	53	79	No		Background – Passing road traffic on the R132– dominant. Occasional dog barking from house across road during the second measurement.	
7th & 28th Nov 2014	30min		NSL	63	67	53	75	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?

No audible site noise impact at NSL

- 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	
Not yet completed	Scheduled or completion in 2015
No	
SELECT	Not Applicable

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	0	381074.72		
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	0	90.52		
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)	0	380,984		
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

* 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

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 ³ 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

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

Resource Usage/Energy efficiency summary	Lic No: W0222-01	Year	2014
---	------------------	------	------

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:

W0222-01

Year

2014

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	
----	--

Table 1 Complaints summary

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							
Total new complaints received during reporting year							
Total complaints closed during reporting year							
Balance of complaints end of reporting year							

WASTE SUMMARY

Lic No: W0222-01 Year 2014

SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES

[PRTR facility login](#)

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

Yes	Additional Information
-----	------------------------

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

Yes	
No	

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

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 Please enter an accurate and detailed description - which applies to relevant EWC code 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 -
95,000	15 01 01	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Paper and Cardboard Packaging	5.62	0	100%	Site was not operational in 2013	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	0	
	15 01 02	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Plastic Packaging	0.7	0	100%	Site was not operational in 2013	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	0	
	15 01 03	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Wooden Packaging	89.54	0	100%	Site was not operational in 2013	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	0	
	15 01 07	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Glass Packaging	7.44	0	100%	Site was not operational in 2013	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	0	
	16 01 03	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	End-of-life tyres	8.68	0	100%	Site was not operational in 2013	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	17 01 01	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Concrete	3.68	0	100%	Site was not operational in 2013	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 17 01 06	9.26	0	100%	Site was not operational in 2013	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	17 02 01	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Wood from C & D	108.3	0	100%	Site was not operational in 2013	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		

WASTE SUMMARY		Lic No: W0222-01		Year 2014						
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 *	128.04	0	100%	Site was not operational in 2013	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 Metals from C & D	17.76	0	100%	Site was not operational in 2013	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	53.22	0	100%	Site was not operational in 2013	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	15294.662	0	100%	Site was not operational in 2013	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	200	
19 12 09	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	Minerals	28.44	0	100%	Site was not operational in 2013	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	10.88	0	100%	Site was not operational in 2013	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	10	
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 - large construction rubble	29.3	0	100%	Site was not operational in 2013	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
20 01 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Paper and Cardboard	17.96	0	100%	Site was not operational in 2013	60%	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	Commercial biodegradable kitchen and canteen waste	0.24	0	100%	Site was not operational in 2013	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	2.12	0	100%	Site was not operational in 2013	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		

WASTE SUMMARY		Lic No: W0222-01		Year 2014					
20 01 38	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Seperately collected Municipal wood	62.54	0	100%	Site was not operational in 2013	10%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	25
20 01 40	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Seperately collected municipal metals	50.52	0	100%	Site was not operational in 2013	10%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	12
20 02 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Garden and park Wastes	49.96	0	100%	Site was not operational in 2013	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Commercial Mixed Municipal Waste	2745.53	0	100%	Site was not operational in 2013	20%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Domestic Mixed Municipal Waste	6200.73	0	100%	Site was not operational in 2013	25%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Commercial Mixed Dry Recyclables	177.76	0	100%	Site was not operational in 2013	30%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	20
20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Domestic Mixed Dry Recyclables	2280.88	0	100%	Site was not operational in 2013	75%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed municipal wastes from local authority environmental clean ups (Levy Exempt)	2255.08	0	100%	Site was not operational in 2013	0%	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 Cleansing Residues (Levy Exempt)	1781.24	0	100%	Site was not operational in 2013	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	20
20 03 07	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Commercial Bulky Wastes	87.53	0	100%	Site was not operational in 2013	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	

WASTE SUMMARY	Lic No:	W0222-01	Year	2014
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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 waste that should be permanently capped to date under licence		
SELECT UNIT	SELECT UNIT	Area with final cap to LD Standard m2 ha, a	Area capped other		What materials are used in the cap	Comments

*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?

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

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# : W0222 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Lusk) | Filename : W0222_2014.xls | Return Year : 2014 |

10/04/2015 16:22

[Guidance to completing the PRTR workbook](#)

AER Returns Workbook

Version 1.1.18

REFERENCE YEAR	2014
-----------------------	------

1. FACILITY IDENTIFICATION

Parent Company Name	Advanced Environmental Solutions (Ireland) Limited
Facility Name	Advanced Environmental Solutions (Ireland) Limited (Lusk)
PRTR Identification Number	W0222
Licence Number	W0222-01

Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Coldwinters
Address 2	Blakescross
Address 3	Lusk
Address 4	
	Dublin
Country	Ireland
Coordinates of Location	-6.19218 53.5045
River Basin District	IEEA
NACE Code	3832
Main Economic Activity	Recovery of sorted materials
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 439492
AER Returns Contact Mobile Phone Number	087 7697465
AER Returns Contact Fax Number	045 439368
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	15
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

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

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

Is it applicable?	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# : W0222 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Lusk) | Filename : W0222_2014.xls | Return Year : 2014 |

10/04/2015 16:23

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:

Landfill:
Please enter summary data on the quantities of methane flared and / or utilised

Advanced Environmental Solutions (Ireland) Limited (Lusk)

	T (Total) kg/Year	M/C/E	Method Used		Facility Total Capacity m3 per hour
			Method Code	Designation or Description	
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# : W0222 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Lusk) | Filename : W0222_2014.xls | Return Year : 2014 |

10/04/2015 16:24

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# : W0222 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Lusk) | Filename

10/04/2015 16:24

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# : W0222 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Lusk) | Filename : W0222_2014.xls | Return Year : 2014 |

10/04/2015 16:24

SECTION A : PRTR POLLUTANTS

RELEASES TO LAND					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
					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)

RELEASES TO LAND					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
					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# : W0222 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Lusk) | Filename : W0222_2014.xls | Return Year : 2014 |

10/04/2015 16:25

Please enter all quantities on this sheet in Tonnes

23

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	17 09 04	No	998.6	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	R5	M	Weighed	Offsite in Ireland	Midland Waste Disposal Ltd,W0131-02	Proudstown Road,Clonmagadden,Navan, Co. Meath,Ireland		
Within the Country	19 12 12	No	320.38	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	Midland Waste Disposal Ltd,W0131-02	Proudstown Road,Clonmagadden,Navan, Co. Meath,Ireland		
Within the Country	20 03 01	No	26.92	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Midland Waste Disposal Ltd,W0131-02	Proudstown Road,Clonmagadden,Navan, Co. Meath,Ireland		
Within the Country	20 03 01	No	3062.01	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Midland Waste Disposal Ltd,W0131-02	Proudstown Road,Clonmagadden,Navan, Co. Meath,Ireland		
Within the Country	20 03 01	No	0.76	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Advanced Environmental Solutions (Ireland) Ltd,W0194-02	Kyletalesha ,Mountmellick Road ,Portlaoise ,Co Laois ,Ireland		
Within the Country	19 12 12	No	2674.5	11 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 Facility,W0201-03	Killinagh Upper ,Carbury ,Kildare ,Ireland		
Within the Country	19 12 12	No	59.38	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	Drehid Waste Facility,W0201-03	Killinagh Upper ,Carbury ,Kildare ,Ireland		
Within the Country	19 12 12	No	3318.58	11 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 Facility,W0201-03	Killinagh Upper ,Carbury ,Kildare ,Ireland		
Within the Country	19 12 12	No	2316.84	11 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 Facility,W0201-03	Killinagh Upper ,Carbury ,Kildare ,Ireland		
Within the Country	20 03 01	No	5978.42	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Drehid Waste Facility,W0201-03	Killinagh Upper ,Carbury ,Kildare ,Ireland		
Within the Country	20 03 07	No	24.62	bulky waste	D5	M	Weighed	Offsite in Ireland	Drehid Waste Facility,W0201-03	Killinagh Upper ,Carbury ,Kildare ,Ireland		
Within the Country	17 05 04	No	638.16	in 17 05 03 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R5	M	Weighed	Offsite in Ireland	Damen Fitzsimons,WFP-MH-10-0004-01	Harristown ,Navan ,Co. Meath ,Ireland		
Within the Country	19 12 12	No	3912.18	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 Ireland Ltd,W0167-03	Carranstown ,Dulleek ,Co. Meath ,Ireland		
Within the Country	20 03 01	No	15.68	mixed municipal waste	R3	M	Weighed	Offsite in Ireland	Irish Packaging Recycling Ltd,W0263-01	Walkinstown,Dublin 12 ,Ireland		
Within the Country	20 02 01	No	139.52	biodegradable waste	R3	M	Weighed	Offsite in Ireland	Bord na Mona PLC (Kilberry),W0198-01	Athy ,Co. Kildare ,Ireland		
Within the Country	20 03 01	No	113.4	mixed municipal waste	R3	M	Weighed	Offsite in Ireland	Killarney Waste Disposal Ltd (KWD),W0217-02	Aughacurreen ,Killarney ,Co. Kerry ,Ireland		
Within the Country	19 12 04	No	4.48	plastic and rubber	R3	M	Weighed	Offsite in Ireland	Lenviron Ltd TA Leinster Environmentals,WFP-LH-11-0002-01	Haggardstown ,Dundalk ,Co. Louth ,Ireland		
Within the Country	16 01 03	No	17.56	end-of-life tyres	R13	M	Weighed	Offsite in Ireland	Oristown Auto Recyclers Ltd,WFP-MH-0001-01	Oristown ,Kells ,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 - 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	20 03 01	No	923.84	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	Nurendale Ltd. TA Panda Waste Services,W0039-02		Ballymount Cross ,",Tallaght ,Dublin 24 ,Ireland		
Within the Country	19 12 12	No	743.1	11	R13	M	Weighed	Offsite in Ireland	Nurendale Ltd TA Panda Waste Services,W0140-03		Rathdrinagh ,Beauparc ,Navan ,Co. Meath,Ireland Unit 7 Shepherds Drive ,Cambane Industrial Estate ,Newry Co. Down,BT35 6JQ,United Kingdom		
To Other Countries	20 03 01	No	1360.86	mixed municipal waste other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R13	M	Weighed	Abroad	Re-Gen Waste (Ireland) Ltd,Ni44110		Thorntons Recycling Centre Padraig Thornton Waste Disposal Ltd,W0044-02		Killeen Road ,Ballyfermot ,",Dublin 10 ,Ireland
Within the Country	19 12 12	No	76.9	11	R13	M	Weighed	Offsite in Ireland	Thorntons Recycling Wood Chipping Facility (PDM Ltd)		Oldmilltown ,Kill ,",Co. Kildare,Ireland		
Within the Country	19 12 07	No	1967.14	wood other than that mentioned in 19 12 06	R13	M	Weighed	Offsite in Ireland	Wilton Waste Recycling Ltd,WFP-CN-10-0061-01		Kiffagh ,Crosserlough ,",Co. Cavan,Ireland		
Within the Country	16 06 05	No	2.26	other batteries and accumulators cables other than those mentioned in 17 04	R4	M	Weighed	Offsite in Ireland	Wilton Waste Recycling Ltd,WFP-CN-10-0005-01		Kiffagh ,Crosserlough ,",Co. Cavan,Ireland		
Within the Country	17 04 11	No	6.26	10	R4	M	Weighed	Offsite in Ireland	Wilton Waste Recycling Ltd,WFP-CN-10-0005-01		Kiffagh ,Crosserlough ,",Co. Cavan,Ireland		
Within the Country	19 12 02	No	278.76	ferrous metal	R4	M	Weighed	Offsite in Ireland	Wilton Waste Recycling Ltd,WFP-CN-10-0005-01		Kiffagh ,Crosserlough ,",Co. Cavan,Ireland		
Within the Country	19 12 03	No	45.3	non-ferrous metal	R4	M	Weighed	Offsite in Ireland	Wilton Waste Recycling Ltd,WFP-CN-10-0005-01		Kiffagh ,Crosserlough ,",Co. Cavan,Ireland		
Within the Country	20 01 40	No	184.32	metals	R4	M	Weighed	Offsite in Ireland	Wilton Waste Recycling Ltd,WFP-CN-10-0005-01		Kiffagh ,Crosserlough ,",Co. Cavan,Ireland		

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