

Facility Information Summary	
AER Reporting Year	2015
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.	<p>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 separated from larger light material (Paper, plastic, tiles, ceramics, stones, etc). further mechanical separation separates small clean construction rubble from light paper and plastics 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 transfer to landfill or sent for energy recovery as low grade RDF. 1 No. Incident was reported to the Agency in 2015 with regard to elevated concentrations of ammonium, chloride and manganese in ground water monitoring locations (upstream and downstream) of site from an unknown source of contamination. The Agency carried out a site visit in November 2015. The site was found to be in compliance with its licence.</p>

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.

	30th March 2016
Signature Group/Facility manager <small>(or nominated, suitably qualified and experienced deputy)</small>	Date

AIR-summary template Lic No: W0222-01 Year 2015

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

No	Additional information
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Periodic/Non-Continuous Monitoring

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

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

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

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision 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
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		

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

AIR-summary template	Lic No:	W0222-01	Year	2015
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)	<input type="text" value="SELECT"/>	
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below	<input type="text" value="SELECT"/>	
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	<input type="text" value="SELECT"/>	
7	Did your site experience any abatement system bypasses? If yes please detail them in table A3 below	<input type="text" value="SELECT"/>	

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
	<input type="text" value="SELECT"/>			<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>					
	<input type="text" value="SELECT"/>			<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>					
	<input type="text" value="SELECT"/>			<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>					
	<input type="text" value="SELECT"/>			<input type="text" value="SELECT"/>	<input type="text" value="SELECT"/>					
	<input type="text" value="SELECT"/>			<input type="text" value="SELECT"/>	<input type="text" value="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

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

		Additional information	
1	Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions. If you do not have licensed emissions you <u>only</u> need to complete table W1 and or W2 for storm water analysis and visual inspections	No	
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 <u>only any evidence of contamination noted during visual inspections</u>	Yes	All surface water is tankered off site. There are no emissions to water from the site however, samples are still taken upstream and downstream of the site to monitor the streams condition. Results have been entered into Table W3.

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
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	

*trigger values may be agreed by the Agency outside of licence conditions

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

Location Reference	Date of inspection	Description of contamination	Source of contamination	Corrective action	Comments
			SELECT		
			SELECT		

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

		Additional information	
3	Was there any result in breach of licence requirements? If yes please provide brief details in the comment section of Table W3 below	No	
4	Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box	Yes	

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

Emission reference no:	Emission released to	Parameter/ Substance>Note 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision thereof ^{Note 2}	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	Comments
SW1	Water	BOD	discrete	Annual	Annual			3	mg/l	yes	pH Meter (Electrode)	APHA / AWWA	4500 H+B		
SW-1	Water	COD	discrete	Annual	Annual			<10	mg/l	yes	rophotometry (Colorim	APHA / AWWA	5220D,		
SW1	Water	Ammonia as N	discrete	Annual	Annual			0.04	mg/l	yes	rophotometry (Colorim	APHA / AWWA	4500-NH3		
SW1	Water	Chloride	discrete	Annual	Annual			38	mg/l	yes	rophotometry (Colorim	APHA / AWWA	Method 4500-CL-E		
SW1	Water	Suspended Solids	discrete	Annual	Annual			28	mg/l	yes	Gravimetric analysis	Standard Methods	2540D		
SW1	Water	Boron	discrete	Annual	Annual			30	µg/l	yes	ively Coupled Plasma - F	Standard Methods	EPA Method 200.10		
SW1	Water	Beryllium	discrete	Annual	Annual			<2	µg/l	yes	ively Coupled Plasma - F	APHA / AWWA	EPA Method 200.10		
SW1	Water	Aluminum	discrete	Annual	Annual			691	µg/l	No	ively Coupled Plasma - F	Standard Methods	EPA Method 200.10		
SW1	Water	Chromium	discrete	Annual	Annual			<2	µg/l	yes	ively Coupled Plasma - F	APHA / AWWA	EPA Method 200.10		
SW1	Water	Manganese	discrete	Annual	Annual			26	µg/l	yes	ively Coupled Plasma - F	Standard Methods	EPA Method 200.10		
SW1	Water	Cobalt	discrete	Annual	Annual			<2	µg/l	yes	ively Coupled Plasma - F	Standard Methods	EPA Method 200.10		
SW1	Water	Nickel	discrete	Annual	Annual			<2	µg/l	yes	ively Coupled Plasma - F	Standard Methods	EPA Method 200.10		
SW1	Water	Copper	discrete	Annual	Annual			4	µg/l	yes	ively Coupled Plasma - F	APHA / AWWA	EPA Method 200.10		
SW1	Water	Zinc	discrete	Annual	Annual			<2	µg/l	yes	ively Coupled Plasma - F	Standard Methods	EPA Method 200.10		
SW1	Water	Arsenic	discrete	Annual	Annual			2	µg/l	yes	ively Coupled Plasma - F	APHA / AWWA	EPA Method 200.10		
SW1	Water	Selenium	discrete	Annual	Annual			4	µg/l	yes	ively Coupled Plasma - F	APHA / AWWA	EPA Method 200.10		
SW1	Water	Silver	discrete	Annual	Annual			<2	µg/l	yes	ively Coupled Plasma - F	Standard Methods	EPA Method 200.10		
SW1	Water	Cadmium	discrete	Annual	Annual			<2	µg/l	yes	ively Coupled Plasma - F	APHA / AWWA	EPA Method 200.10		
SW1	Water	Tin	discrete	Annual	Annual			<2	µg/l	yes	ively Coupled Plasma - F	Standard Methods	EPA Method 200.10		
SW1	Water	Antimony	discrete	Annual	Annual			<2	µg/l	yes	ively Coupled Plasma - F	APHA / AWWA	EPA Method 200.10		

SW1	Water	Barium	discrete	Annual	Annual			37	µg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW1	Water	Lead	discrete	Annual	Annual			<2	µg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW1	Water	Mercury	discrete	Annual	Annual			<1	µg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW1	Water	Sodium	discrete	Annual	Annual			27	mg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW1	Water	Magnesium	discrete	Annual	Annual			8.1	mg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW1	Water	Potassium	discrete	Annual	Annual			6.3	mg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW1	Water	Calcium	discrete	Annual	Annual			81	mg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW1	Water	Iron	discrete	Annual	Annual			0.6	mg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW1	Water	Total Coliforms	discrete	Annual	Annual			<100	cfu/100ml	No	sed on IDEXX defined su	APHA / AWWA "Standard Methods"	D/1201 MPN	
SW1	Water	E-Coli	discrete	Annual	Annual			1	cfu/100ml	No	sed on IDEXX defined su	APHA / AWWA "Standard Methods"	D/1201 MPN	
SW-2	Water	BOD	discrete	Annual	Annual			<2	mg/l	yes	pH Meter (Electrode)	APHA / AWWA "Standard Methods"	4500 H+B	
SW-2	Water	COD	discrete	Annual	Annual			18	mg/l	yes	rophotometry (Colorim	APHA / AWWA "Standard Methods"	5220D	
SW-2	Water	Ammonia as N	discrete	Annual	Annual			0.04	mg/l	yes	rophotometry (Colorim	APHA / AWWA "Standard Methods"	4500-NH3	
SW-2	Water	Chloride	discrete	Annual	Annual			40	mg/l	yes	rophotometry (Colorim	APHA / AWWA "Standard Methods"	Method 4500-CL-E	
SW-2	Water	Suspended Solids	discrete	Annual	Annual			22	mg/l	yes	Gravimetric analysis	APHA / AWWA "Standard Methods"	2540D	
SW-2	Water	Boron	discrete	Annual	Annual			32	µg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW-2	Water	Beryllium	discrete	Annual	Annual			<2	µg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW-2	Water	Aluminum	discrete	Annual	Annual			846	µg/l	Yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW-2	Water	Chromium	discrete	Annual	Annual			2	µg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW-2	Water	Manganese	discrete	Annual	Annual			45	µg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW-2	Water	Cobalt	discrete	Annual	Annual			4	µg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW-2	Water	Nickel	discrete	Annual	Annual			<2	µg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW-2	Water	Copper	discrete	Annual	Annual			4	µg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW-2	Water	Zinc	discrete	Annual	Annual			<2	µg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW-2	Water	Arsenic	discrete	Annual	Annual			2	µg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW-2	Water	Selenium	discrete	Annual	Annual			6	µg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW-2	Water	Silver	discrete	Annual	Annual			<2	µg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW-2	Water	Cadmium	discrete	Annual	Annual			<2	µg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW-2	Water	Tin	discrete	Annual	Annual			<2	µg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW-2	Water	Antimony	discrete	Annual	Annual			<2	µg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW-2	Water	Barium	discrete	Annual	Annual			40	µg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW-2	Water	Lead	discrete	Annual	Annual			2	µg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW-2	Water	Mercury	discrete	Annual	Annual			<1	µg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW-2	Water	Sodium	discrete	Annual	Annual			33	mg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW-2	Water	Magnesium	discrete	Annual	Annual			8.2	mg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW-2	Water	Potassium	discrete	Annual	Annual			6.4	mg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW-2	Water	Calcium	discrete	Annual	Annual			87	mg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW-2	Water	Iron	discrete	Annual	Annual			1.1	mg/l	yes	ively Coupled Plasma - ICP-MS	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW-2	Water	Total Coliforms	discrete	Annual	Annual			30	cfu/100ml	No	sed on IDEXX defined su	APHA / AWWA "Standard Methods"	D/1201 MPN	
SW-2	Water	E-Coli	discrete	Annual	Annual			0	cfu/100ml	No	sed on IDEXX defined su	APHA / AWWA "Standard Methods"	D/1201 MPN	

Note 1: European Communities Environmental Objectives (Surface Waters) Regulations, 2009 (S.I. No. 272 of 2009).

Note 2: EPA Environmental Quality Standard for Surface Waters

Note 3: Water Quality Standard - 1988 Statutory Instrument No. 293, European Communities (Quality of Salmonid Waters) Regulations 1988.

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

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

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

SELECT	
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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
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	SELECT	SELECT		SELECT	SELECT	SELECT				
	SELECT	SELECT		SELECT	SELECT	SELECT				

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

Table W5: Abatement system bypass reporting table

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

*Measures taken or proposed to reduce or limit bypass frequency







Bund testing

dropdown menu click to see options

Additional information

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

- 1
- 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)
- 3 How many bunds are on site?
- 4 How many of these bunds have been tested within the required test schedule?
- 5 How many mobile bunds are on site?
- 6 Are the mobile bunds included in the bund test schedule?
- 7 How many of these mobile bunds have been tested within the required test schedule?
- 8 How many sumps on site are included in the integrity test schedule?
- 9 How many of these sumps are integrity tested within the test schedule?
- 10 **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?

Yes	
3 years	
Yes	
2	
0	Scheduled for completion in 2016
1	
Yes	
0	Scheduled for completion in 2016
0	
0	
No	
N/A	
N/A	

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)

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

Commentary	
No	Scheduled for completion in 2016
No	
SELECT	

Pipeline/underground structure testing

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

- 1
- 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	Repairs to be carried out in June 2016	Dec-16	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	2015
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				Comments
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	yes		Please provide an interpretation of groundwater monitoring data in the interpretation box below or if you require additional space please include a groundwater/contaminated land monitoring results 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. Groundwater monitoring template	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 costs for the remediation of the historic contamination have been provided for in the Financial Provision for the DMP and remedial works are scheduled to commence in June 2016
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		

Table 1: Upgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	SELECT**	Upward trend in pollutant concentration over last 5 years of monitoring data
Mar/Jun/Jul	GW-1	pH	APHA 2012 4500 H&B	Annual	7.7	7.70	pH units	6.5-9.5	6.5-9.5	data not available
Mar/Jun/Jul	GW-1	Conductivity	APHA 2012 2510B	Annual	737	737	µS/cm	800-1875	1,000	data not available
Mar/Jun/Jul	GW-1	COD	APHA,2012 5220D	Annual	<10	<10	mg/l	-	-	data not available
Mar/Jun/Jul	GW-1	N	NH3 and bluebook	Annual	0.13	0.13	mg/l	-	-	data not available
Mar/Jun/Jul	GW-1	Ammonia as Ammonium	APHA 2012 4500-NH3 and bluebook Ammonia in waters 1981	Annual	0.17	0.17	mg/l	0.065-0.175	0.15	data not available
Mar/Jun/Jul	GW-1	DRO	Gas Chromatography	Annual	-	-	mg/l	-	-	data not available
Mar/Jun/Jul	GW-1	Mineral oil	Gas Chromatography	Annual	-	-	mg/l	-	-	data not available

Groundwater/Soil monitoring template				Lic No:	W0222-01	Year	2015			
Mar/Jun/Jul	GW-1	Nitrate as NO ₃	APHA 2012 4500-NO ₂ -B. Colorimetric Method	Annual	<0.04	<0.04	mg/l	37.5	25	data not available
Mar/Jun/Jul	GW-1	Total Nitrogen	APHA 2012 4500-NO ₂ -B. Colorimetric Method	Annual	<1.00	<1.00	mg/l	-	-	data not available
Mar/Jun/Jul	GW-1	Chloride	APHA 2012 4500-CL-E	Annual	35	35.00	mg/l	187.5	30	data not available
Mar/Jun/Jul	GW-1	Boron	ICP-MS	Annual	134	134	µg/l	750	1000	data not available
Mar/Jun/Jul	GW-1	Beryllium	ICP-MS	Annual	<2	<2	µg/l	-	-	data not available
Mar/Jun/Jul	GW-1	Aluminium	ICP-MS	Annual	<2	<2	µg/l	150	200	data not available
Mar/Jun/Jul	GW-1	Chromium	ICP-MS	Annual	<2	<2	µg/l	37.5	30	data not available
Mar/Jun/Jul	GW-1	Manganese	ICP-MS	Annual	60	60	µg/l	-	50	data not available
Mar/Jun/Jul	GW-1	Cobalt	ICP-MS	Annual	<2	<2	µg/l	-	-	data not available
Mar/Jun/Jul	GW-1	Nickel	ICP-MS	Annual	<2	<2	µg/l	15	20	data not available
Mar/Jun/Jul	GW-1	Copper	ICP-MS	Annual	<2	<2	µg/l	1500	30	data not available
Mar/Jun/Jul	GW-1	Zinc	ICP-MS	Annual	13	13	µg/l	-	100	data not available
Mar/Jun/Jul	GW-1	Arsenic	ICP-MS	Annual	<2	<2	µg/l	7.5	10	data not available
Mar/Jun/Jul	GW-1	Selenium	ICP-MS	Annual	<2	<2	µg/l	-	-	data not available
Mar/Jun/Jul	GW-1	Silver	ICP-MS	Annual	<2	<2	µg/l	-	-	data not available
Mar/Jun/Jul	GW-1	Cadmium	ICP-MS	Annual	<2	<2	µg/l	3.75	5	data not available
Mar/Jun/Jul	GW-1	Tin	ICP-MS	Annual	<2	<2	µg/l	-	-	data not available
Mar/Jun/Jul	GW-1	Antimony	ICP-MS	Annual	<2	<2	µg/l	-	-	data not available
Mar/Jun/Jul	GW-1	Barium	ICP-MS	Annual	78	78	µg/l	-	100	data not available
Mar/Jun/Jul	GW-1	Lead	ICP-MS	Annual	<2	<2	µg/l	18.75	10	data not available
Mar/Jun/Jul	GW-1	Sodium	ICP-MS	Annual	41	41	mg/l	150	150	data not available
Mar/Jun/Jul	GW-1	Magnesium	ICP-MS	Annual	23	23	mg/l	-	50	data not available
Mar/Jun/Jul	GW-1	Potassium	ICP-MS	Annual	1.7	1.70	mg/l	-	5	data not available
Mar/Jun/Jul	GW-1	Calcium	ICP-MS	Annual	78	78	mg/l	-	200	data not available

Groundwater/Soil monitoring template										
				Lic No:	W0222-01	Year			2015	
Mar/Jun/Jul	GW-1	Iron	ICP-MS	Annual	<0.1	<0.1	mg/l	-	0.2	data not available
Mar/Jun/Jul	GW-1	Mercury	ICP-MS	Annual	<1	<1	µg/l	0.75	-	data not available
Mar/Jun/Jul	GW-1	e-Coli	MTM025	Annual	<1	<1	cfu/100ml	-	0	data not available
Mar/Jun/Jul	GW-1	Total Coliforms	MTM025	Annual	18	18	cfu/100ml	-	0	data not available
Mar/Jun/Jul	GW-1	VOC's	GC-FID, GC-MS Based on USEPA 524.2 method	Annual	<0.001	<0.001	mg/l	-	-	data not available
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
Mar/Jun/Jul	GW-2A	pH	APHA 2012 4500 H&B	Annual	7.8	7.8	pH units	6.5-9.5	6.5-9.5	data not available
Mar/Jun/Jul	GW-2A	Conductivity	APHA 2012 2510B	Annual	752	752	µS/cm	800-1875	1,000	data not available
Mar/Jun/Jul	GW-2A	COD	APHA,2012 5220D	Annual	<10	<10	mg/l	-	-	data not available
Mar/Jun/Jul	GW-2A	Ammonia as N	APHA 2012 4500-NH3 and bluebook Ammonia in waters 1981	Annual	0.19	0.19	mg/l	-	-	data not available
Mar/Jun/Jul	GW-2A	Ammonia as Ammonium	APHA 2012 4500-NH3 and bluebook Ammonia in waters 1981	Annual	0.24	0.24	mg/l	0.065-0.175	0.15	data not available
Mar/Jun/Jul	GW-2A	DRO	Gas Chromatography	Annual	-	-	mg/l	-	-	data not available
Mar/Jun/Jul	GW-2A	Mineral oil	Gas Chromatography	Annual	-	-	mg/l	-	-	data not available
Mar/Jun/Jul	GW-2A	Nitrate as NO ₃	APHA 2012 4500-NO ₂ B. Colorimetric Method	Annual	4.2	4.2	mg/l	37.5	25	data not available
Mar/Jun/Jul	GW-2A	Total Nitrogen	APHA 2012 4500-NO ₂ B. Colorimetric Method	Annual	4.7	4.7	mg/l	-	-	data not available
Mar/Jun/Jul	GW-2A	Chloride	APHA 2012 4500-CL-E	Annual	39	39	mg/l	187.5	30	data not available
Mar/Jun/Jul	GW-2A	Boron	ICP-MS	Annual	57	57	µg/l	750	1000	data not available
Mar/Jun/Jul	GW-2A	Beryllium	ICP-MS	Annual	<2	<2	µg/l	-	-	data not available

Groundwater/Soil monitoring template				Lic No:	W0222-01	Year	2015			
Mar/Jun/Jul	GW-2A	Aluminium	ICP-MS	Annual	<2	<2	µg/l	150	200	data not available
Mar/Jun/Jul	GW-2A	Chromium	ICP-MS	Annual	<2	<2	µg/l	37.5	30	data not available
Mar/Jun/Jul	GW-2A	Manganese	ICP-MS	Annual	128	128	µg/l	-	50	data not available
Mar/Jun/Jul	GW-2A	Cobalt	ICP-MS	Annual	<2	<2	µg/l	-	-	data not available
Mar/Jun/Jul	GW-2A	Nickel	ICP-MS	Annual	3	3	µg/l	15	20	data not available
Mar/Jun/Jul	GW-2A	Copper	ICP-MS	Annual	<2	<2	µg/l	1500	30	data not available
Mar/Jun/Jul	GW-2A	Zinc	ICP-MS	Annual	24	24	µg/l	-	100	data not available
Mar/Jun/Jul	GW-2A	Arsenic	ICP-MS	Annual	<2	<2	µg/l	7.5	10	data not available
Mar/Jun/Jul	GW-2A	Selenium	ICP-MS	Annual	<2	<2	µg/l	-	-	data not available
Mar/Jun/Jul	GW-2A	Silver	ICP-MS	Annual	<2	<2	µg/l	-	-	data not available
Mar/Jun/Jul	GW-2A	Cadmium	ICP-MS	Annual	<2	<2	µg/l	3.75	5	data not available
Mar/Jun/Jul	GW-2A	Tin	ICP-MS	Annual	<2	<2	µg/l	-	-	data not available
Mar/Jun/Jul	GW-2A	Antimony	ICP-MS	Annual	<2	<2	µg/l	-	-	data not available
Mar/Jun/Jul	GW-2A	Barium	ICP-MS	Annual	122	122	µg/l	-	100	data not available
Mar/Jun/Jul	GW-2A	Lead	ICP-MS	Annual	<2	<2	µg/l	18.75	10	data not available
Mar/Jun/Jul	GW-2A	Sodium	ICP-MS	Annual	22	22	mg/l	150	150	data not available
Mar/Jun/Jul	GW-2A	Magnesium	ICP-MS	Annual	13	13	mg/l	-	50	data not available
Mar/Jun/Jul	GW-2A	Potassium	ICP-MS	Annual	2.3	2.3	mg/l	-	5	data not available
Mar/Jun/Jul	GW-2A	Calcium	ICP-MS	Annual	92	92	mg/l	-	200	data not available
Mar/Jun/Jul	GW-2A	Iron	ICP-MS	Annual	<0.1	<0.1	mg/l	-	0.2	data not available
Mar/Jun/Jul	GW-2A	Mercury	ICP-MS	Annual	<1	<1	µg/l	0.75	-	data not available
Mar/Jun/Jul	GW-2A	e-Coli	MTM025	Annual	<1	<1	cfu/100ml	-	0	data not available
Mar/Jun/Jul	GW-2A	Coliforms	MTM025	Annual	<1	<1	cfu/100ml	-	0	data not available
Mar/Jun/Jul	GW-2A	VOC's	GC-FID, GC-MS Based on USEPA 524.2 method	Annual	<0.001	<0.001	mg/l	-	-	data not available

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

.+ 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 [Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites \(EPA 2013\)](#). (see the link in G31)

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

Groundwater/Soil monitoring template

Lic No:

W0222-01

Year

2015

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 (GW-2A) was installed following approval by the Agency in February 2015.

[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	agreed by EPA	
4	Financial Provision for ELRA status	Submitted and agreed by EPA	
5	Financial Provision for ELRA - amount of cover	Submitted and agreed by EPA	
6	Financial Provision for ELRA - type	Other please specify	to be agreed
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	agreed by EPA	
12	Financial Provision for Closure - type	Other please specify	to be agreed
13	Financial provision for Closure expiry date	Enter expiry date	

Environmental Management Programme/Continuous Improvement Programme template		Lic No:	W0222-01	Year	2015
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.	50	SEW submitted in 2015. EPA has given approval. At procurement phase.	Individual	Increased compliance
Groundwater protection	Remediate identified contaminated land to the southeastern corner of the site.	50	SEW submitted in 2015. EPA has given approval. At procurement phase.	Section Head	Remediation of contamination on site.
Additional improvements	Decomission the onsite underground air drying chambers and ducts.	100		Section Head	Reduced Emissions
Additional improvements	Redesign and repair damaged internal flooring in waste processing building.	100	SEW being prepared for submission to the Agency.	Individual	Increased compliance with licence conditions
Groundwater protection	Carry out interim and total repairs to yard hard stand.	50	SEW submitted in 2015. EPA has given approval. At procurement phase.	Section Head	Increased compliance with licence conditions
Additional improvements	Intall a truck/bin wash	50	SEW submitted in 2015. EPA has given approval. At procurement phase.	Individual	Installation of infrastructure

Environmental Management Programme/Continuous Improvement Programme template				Lic No:	W0222-01	Year	2015
			Super track technology to be installed on all vehicles and drivers are currently being trained on this new technology to ensure fleet efficiency. This will also allow for greater visibility and management with regards to fuel usage. Route optimisation is ongoing.				
Energy Efficiency/Utility conservation	Reduction of fuel usage in 2016	30		Individual		Reduced emissions	
SELECT		SELECT		SELECT		SELECT	

Noise monitoring summary report	Lic No: W0222-01	Year	2015
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1 Was noise monitoring a licence requirement for the AER period?
If yes please fill in table N1 noise summary below

Yes

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 ₁₀	LA ₉₀	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)?
10th Dec 2015	30min	N1		61	63	59	69	SELECT	SELECT		No
10th Dec 2015	30min	N1		63	64	61	70			Site - Trommel within waste reception shed continous & dominant throughout measurement. Reversing alarms from plant machinery within reception shed occasionally faintky audible. Skip collection/drop along the river boundary east of reception shed. Occasional idle engine located at the front of the reception shed.	
11th Dec 2015	30min	N1		61	63	59	77			Boundary - Passing rd. traffic on the R133 (60m) not clearly visible but occasionally dominant.	
10th Dec 2015	30min	N2		73	75	64	85				No
10th Dec 2015	30min	N2		72	74	66	89			Site - Traffic entering/exiting site and passing close to monitoring position (15m). Vecicles entering/exiting main reception shed (45m) + associated air break presssureand reversing alrms dominant. CAT loading shovel moving about the yard. Trommel activity within reception shed occasionally addible (50/100m). Works audible from mechanic shed. Yard Sweeper in operation.	
11th Dec 2015	30min	N2		69	73	62	92			Background - No significant offsite noise due to dominance of site activity.	

10th Dec 2015	30min	N3		65	67	60	83			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. Idle engines at front of reception sheds.	No
10th Dec 2015	30min	N3		66	68	59	80				
11th Dec 2015	30min	N3		58	60	55	75				
10th Dec 2015	30min	N4		68	71	62	86			Background – Birds site (45-50m). Traffic activity in main yard not visible but audible during periods of low passing traffic on the adjacent public road. Movement of RoRo skips collection/drop off. Reversing tones of machinery around site. Yard Sweeper in operation. Idle engine on weigh bridge.	No
11th Dec 2015	30min	N4		70	72	66	84				
11th Dec 2015	30min	N4		67	69	63	78				
10th Dec 2015	30min	NSL		73	77	59	87			Background – Large Site - No audible site activity. Background – Passing road traffic on the R132 (5-10m) – dominant.	Yes
11th Dec 2015	30min	NSL		76	79	62	90				
11th Dec 2015	30min	NSL		74	79	61	90				

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

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

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

SELECT

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

The day-time site boundary LAeq levels ranged between 58 dB (A) to 73 dB(A). The SPL's recorded were primarily influenced by the used of the onsite trommel, large volume of site traffic and the proximity of the boundary monitoring locations to the site activity. Tonal noise was not detected at any of the site boundary monitoring locations. It is worth noting that there are no limits for site boundary noise emissions stipulated in the facilities Waste Licence W0222-01. The noise levels (Leq(A)) at NSL-1 ranged from 73-76dB(A). The dominant source of noise at this location was due to large volumes of passing road traffic on the nearby R132 road. It was observed that site activity was not audible from this location during periods of low passing traffic. Tonal noise was not detected at this monitoring location

- 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

[SEAI - Large Industry Energy Network \(LIEN\)](#)

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	381074.72	2485.730388		
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	90.52	236.47		
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)	37480	123.892		
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

	2014	2015
DERV	0	15802
Gas Oil	37480000	107090
Kerosene		1000
	380984.2	160.690538
		1088.56985
		1000
		2249.260388

* 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		Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Water Emissions		Water Consumption	
	Previous year m3/yr.	Current year m3/yr.			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								
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 2015

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					

WASTE SUMMARY	Lic No: W0222-01	Year: 2015
SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FAC	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
- 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

SELECT	
SELECT	
SELECT	

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)	EWG code	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which applies to relevant EWG code	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 -
	European Waste Catalogue EWG codes		European Waste Catalogue EWG codes								
	110110	11- WASTES FROM CHEMICAL SURFACE TREATMENT AND COATING OF METALS AND OTHER MATERIALS; NON-FERROUS HYDRO-METALLURGY	Sludges and filter cakes other than those me	16.00		0	100%	new customer	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
	150101	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Paper and Cardboard Packaging	13.99		5.62	60%	increased commercial activity	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
	150102	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Plastic Packaging	17.00		0.7	96%	increased commercial activity	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
	150103	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Wooden Packaging	241.92		89.54	63%	increased commercial activity	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
	150105	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Composite packaging	2.14		0	100%	increased commercial activity	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
	150107	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Commercial Glass Packaging	23.20		7.44	68%	increased commercial activity	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	

WASTE SUMMARY			Lic No: W0222-01	Year		2015				
160103	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	End-of-Life Tyres	0.36	8.68	-2311%	improved segregation	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
170201	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Wood from C&D sources	294.22	108.3	63%	increased C&D activity	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	15	
170202	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Glass from C & D	9.78	0	100%	increased C&D activity	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
170407	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixed C & D Metals	19.76	17.76	10%	Minimal change for 2015	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	55	
170504	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Soil and Stones	41.22	53.22	-29%	improved segregation	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
170802	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Gypsum-Based Construction Materials	15.10	0	100%	new customer	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	15	
170904	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixed C & D Wastes	57135.98	15294.7	73%	increased C&D activity	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
170904	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixed C & D Wastes	56.56	0	100%	increased C&D activity	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
190801	19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE	Screenings from WWTP	1.00	0	100%	new customer	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
190802	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	Waste from Desanding	73.06	0	100%	new customer	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
190905	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	Spent resin from Ion Exchange	15.56	0	100%	new customer	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		

WASTE SUMMARY			Lic No:	W0222-01	Year	2015			
191212	19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE	C&D Fines Inert	112.96	40.18	64%	improved segregation	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	85
200101	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Municipal Paper and Cardboard	51.60	17.96	65%	improved segregation	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
200102	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Municipal Glass	1.86	0	100%	improved segregation	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
200108	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Commercial Biodegradable Kitchen and Cant	9.38	0.24	97%	improved segregation	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
200136	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Non-Hazardous WEEE	5.90	2.12	64%	improved segregation	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
200138	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Municipal Wood	338.28	62.54	82%	increased customer numbers	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
200139	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Municipal Plastic	0.50	0	100%	increased customer numbers	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
200140	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Municipal Metals	193.15	50.52	74%	increased customer numbers	10%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
200201	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Garden and Park Wastes	5.76	49.96	-767%		0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	

WASTE SUMMARY			Lic No:	W0222-01	Year	2015			
200301	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Commercial Mixed Dry Recyclables	1456.01	177.76	88%	new customer	30%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
200301	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Commercial Mixed Municipal Waste	20581.22	2745.53	87%	increased customer numbers	20%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
200301	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Domestic Mixed Dry Recyclables	11.86	2280.88	-19132%	increased customer numbers	75%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	10
200301	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Domestic Mixed Municipal Waste	5123.99	6200.73	-21%	increased customer numbers	25%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	15
200303	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Street-Cleansing residues	1668.79	1781.24	-7%		0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
200306	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Waste from Sewage Cleaning	193.26	0	100%	new customer	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
200307	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Commercial Bulky Waste	3219.64	87.53	97%	increased customer numbers	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	25
200307	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Domestic Bulky Waste	1264.96	284.87	77%	increased customer numbers	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
010413	01-WASTE RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS	Waste from Stone Cutting	13.14	0	100%	new customer	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
020501	AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND	Materials from the Dairy Industry unsuitable for consumption or processing	4.56	0	100%	new customer	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
030105	03- WASTES FROM WOOD PROCESSING AND THE PRODUCTION OF PANELS AND FURNITURE, PULP, PAPER AND CARDBOARD	Sawdust, shavings, cuttings, wood, particle board and veneer	4.14	0	100%	new customer	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	

WASTE SUMMARY

Lic No: W0222-01

Year

2015

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

meteorological monitoring in compliance with Landfill Directive (LD) standard in	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	emission limit values agreed with the Agency	topography of the site surveyed in reporting	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	



[Guidance to completing the PRTR workbook](#)

PRTR Returns Workbook

Version 1.1.15

REFERENCE YEAR	2015
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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	
Country	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	Leeanne Timony
AER Returns Contact Email Address	leeanne.timony@bnm.ie
AER Returns Contact Position	Environmental Compliance Officer
AER Returns Contact Telephone Number	045439492
AER Returns Contact Mobile Phone Number	0871655318
AER Returns Contact Fax Number	n/a
Production Volume	0.0
Production Volume Units	0
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	12
User Feedback/Comments	n/a
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)?	n/a
Is the reduction scheme compliance route being used?	n/a

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)?	No
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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# : W0222 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Lusk) | Filename : W0222_2015.xls | Return Year : 2015 |

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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

* 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

* 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

* 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 (Lusk)				
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# : W0222 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Lusk) | Filename : W0222_2015.xls | Return Year : 2015 |

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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 concerns Releases from your facility

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		Method Used			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 WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		Method Used			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 WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		Method Used			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

4.3 RELEASES TO WASTEWATER OR SEWER

[Link to previous years emissions data](#)

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

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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 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_2015.xls | Return Year : 2015 |

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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 Used Method Code Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
					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 Used Method Code Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
					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_2015.xls | Return Year : 2015]

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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	Non	Haz Waste : Address of Next Destination Facility	Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used		Haz Waste: Name and Licence/Permit No of Recover/Disposer	Non Haz Waste: Address of Recover/Disposer				
Within the Country	16 01 03	No	44.18	end-of-life tyres	R13	M	Weighed	Offsite in Ireland	Oristown Auto Recyclers Ltd,WFP-MH-0001-01		Oristown ,",Kells ,Co. Meath ,Ireland			
Within the Country	16 01 03	No	4.14	end-of-life tyres	R13	M	Weighed	Offsite in Ireland	Wilton Waste Recycling Ltd,WFP-CN-10-0005-01		Wilton Waste Recycling Ltd,WFP-CN-10-0005-01			
Within the Country	17 04 11	No	22.22	04 10 cables other than those mentioned in 17 04 10	R4	M	Weighed	Offsite in Ireland	Wilton Waste Recycling Ltd,WFP-CN-10-0005-01		Wilton Waste Recycling Ltd,WFP-CN-10-0005-01			
Within the Country	17 05 04	No	1424.19	in 17 05 03 soil and stones other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	R5	M	Weighed	Offsite in Ireland	Damien Fitzsimons,WFP-MH-10-0004-01		Harristown ,",Navan ,Co. Meath ,Ireland			
Within the Country	17 09 04	No	208.92	09 02 and 17 09 03 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	Nurendale Ltd TA Panda Waste Services,W0140-03		Rathdrinagh ,Beauparc ,Navan ,Co. Meath,Ireland			
Within the Country	19 12 02	No	1648.56	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	199.14	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	15 01 02	No	3.72	plastic packaging	R3	M	Weighed	Offsite in Ireland	Lenviron Ltd TA Leinster Environmentals,WFP-LH-11-0002-01		Clermount Park ,Haggardstown Dundalk ,Co. Louth ,Ireland			
Within the Country	19 12 07	No	5099.22	wood other than that mentioned in 19 12 06 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R13	M	Weighed	Offsite in Ireland	Thomtons Recycling Wood Chipping Facility (PDM Ltd) ,WFP-KE-10-0061-01		Oldmilltown ,Kill ,",Co. Kildare,Ireland			
Within the Country	19 12 12	No	0.0	12 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R13	M	Weighed	Offsite in Ireland	Midland Waste Disposal Ltd,W0131-02		Proudstown Road,Clonmagadden,Navan ,Co. Meath,Ireland			
Within the Country	19 12 12	No	49270.59	12 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R5	M	Weighed	Offsite in Ireland	Drehid Waste Facility,W0201-03		Killinagh Upper ,Carbury ,",Kildare ,Ireland			
Within the Country	19 12 12	No	0.0	12 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R3	M	Weighed	Offsite in Ireland	Drehid Waste Facility,W0201-03		Killinagh Upper ,Carbury ,",Kildare ,Ireland			
Within the Country	19 12 12	No	0.0	12 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R5	M	Weighed	Offsite in Ireland	Drehid Waste Facility,W0201-03		Killinagh Upper ,Carbury ,",Kildare ,Ireland			
Within the Country	19 12 12	No	224.94	12 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R5	M	Weighed	Offsite in Ireland	Pacon Waste,P1014-01		Stephenstown Business Park,Balbriggan,,County Meath,Ireland			
Within the Country	19 12 12	No	0.0	12 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R1	M	Weighed	Offsite in Ireland	Indaver Ireland Ltd,W0167-03		Carranstown ,",Dulleek ,Co. Meath ,Ireland			
Within the Country	19 12 12	No	1777.76	12 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R13	M	Weighed	Offsite in Ireland	Nurendale Ltd TA Panda Waste Services,W0140-03		Rathdrinagh ,Beauparc ,Navan ,Co. Meath,Ireland			
Within the Country	19 12 12	No	1983.54	12 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R13	M	Weighed	Offsite in Ireland	Thomtons Recycling Centre Padraig Thornton Waste Disposal Ltd,W0044-02		Killeen Road ,Ballyfermot ,",Dublin 10 ,Ireland			

Within the Country	20 01 40	No	78.08	metals	R4	M	Weighed	Offsite in Ireland	Wilton Waste Recycling Ltd,WFP-CN-10-0005-01 Bord na Mona PLC (Kilberry),W0198-01	Kiffagh ,Crosserlough ,"",Co. Cavan,Ireland Kilberry ,",",Athy ,Co. Kildare ,Ireland Proudstown Road,Clonmagadden,Navan ,Co. Meath,Ireland		
Within the Country	20 02 01	No	0.0	biodegradable waste	R3	M	Weighed	Offsite in Ireland	Midland Waste Disposal Ltd,W0131-02 Nurendale Ltd TA Panda Waste Services,W0140-03	Rathdrinagh ,Beauparc ,Navan ,Co. Meath,Ireland Cappanure Industrial Estate,Cappanure Industrial Estate,Tullamore,County Offaly,Ireland		
Within the Country	20 03 01	No	4282.75	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03	Knockharley Landfill,Knockharley ,Navan,County Meath,Ireland Duleek,,...County Meath,Ireland		
Within the Country	20 03 01	No	21.6	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Greenstar Holdings Limited,W0146-02			
Within the Country	20 03 01	No	149.42	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Indaver ,W0167-02 Thorntons Recycling Centre Padraig Thornton Waste Disposal Ltd,W0044-02	Killeen Road ,Ballyfermot ,"",Dublin 10 ,Ireland Ballymount Cross ,",Tallaght ,Dublin 24 ,Ireland Unit 7 Shepherds Drive ,Cambane Industrial Estate ,Newry Co. Down,BT35 6JQ,United Kingdom		
Within the Country	20 03 01	No	318.08	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Nurendale Ltd. TA Panda Waste Services,W0039-02			
Within the Country	20 03 01	No	82.44	mixed municipal waste	R3	M	Weighed	Offsite in Ireland	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	20 03 01	No	2417.02	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Irish Packaging Recycling Ltd,W0263-01 Thorntons Recycling Wood Chipping Facility (PDM Ltd) ,WFP-KE-10-0061-01	Ballymount Road ,"",Walkinstown,Dublin 12 ,Ireland Oldmilltown ,Kill ,",",Co. Kildare,Ireland		
To Other Countries	20 03 01	No	390.22	mixed municipal waste	R13	M	Weighed	Abroad	Thorntons Recycling Centre Padraig Thornton Waste Disposal Ltd,W0044-02			
Within the Country	20 03 07	No	373.86	bulky waste	D5	M	Weighed	Offsite in Ireland	Wilton Waste Recycling Ltd,WFP-CN-15-0003-01	Kiffagh ,Crosserlough ,"",Co. Cavan,Ireland	HJ Lennoven & Sons ,BL5598IR,Darley Dale Smelter,South	laney waste smelter,South Darley,Matlock,Derbyshire DE4 2LP,United Kingdom

* 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](#)