Facility Information Summary

AER Reporting Year Licence Register Number Name of site Site Location NACE Code

Class/Classes of Activity
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.

2015

W0222-01 AES Lusk

Coldwinters, Blakescross, Lusk Co. Dublin 3832

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

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.

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.

Signature Date

Group/Facility manager

(or nominated, suitably qualified and experienced deputy)

	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 informa	ition	
	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			
3	Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? Basic air monitoring checklist? monitoring checklist AGN2	SELECT			
	Table A1: Licensed Mass Emissions/Ambient data-periodic monitoring (non-continuous)				

- 1	Emission reference no:		Frequency of	ELV in licence or any revision therof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass	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?	SELECT			
	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	SELECT			
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	SELECT			
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	SELECT			ı

- 1	Emission	Parameter/ Substance		Averaging Period	Compliance Criteria	Units of	Annual Emission	Annual maximum	Monitoring	Number of ELV	Comments
	reference no:	rarameter, substance		/ Werdging / eriod	· ·	measurement	7 amada Emission		Equipment	exceedences in	Commence
									downtime (hours)	current	
			ELV in licence or any							reporting year	
			revision therof								
		SELECT			SELECT	SELECT					
		SELECT				SELECT					
		SELECT				SELECT					
	•	SELECT				SELECT					
		SELECT				SELECT					

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

Т	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

	AIR-summary t	template				Lic No:	W0222-01		Year	2015	
	Solvent	use and manageme	nt on site								
8	Do you have a tota	l Emission Limit Value of d	irect and fugitive emis	ssions on site? if ye	s please fill out tables A4 and A5	i					
		ent Management Pla ssion limit value	n Summary	Solvent regulations	Please refer to linked solver complete table 5			SELECT	<u> </u>		
	Reporting year	Total solvent input on site (kg)		Total VOC emissions as %of solvent input	Total Emission Limit Value (ELV) in licence or any revision therof	Compliance					
						SELECT					
						SELECT					
	Table A5:	Solvent Mass Baland	ce summary							-	
		(I) Inputs (kg)			(0)	Outputs (kg)					
	Solvent	(I) Inputs (kg)		Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g. by-	Solvents destroyed onsite through	Total emission of Solvent to air (kg)		
										-	
										-	
			1	l .	1	1	1	Total			

AER Mon	nitoring returns s	ummary template-W	ATER/WASTEW	ATER(SEWER)		Lic No:	W0222-01		Year	2014	
							Additional information		•		
please of further qu	complete table W2 a destions. If <mark>you do no</mark> W1 and or W2 fo	emissions direct to surface and W3 below for the cur ot have licenced emission or storm water analysis a	rent reporting yea is you <u>only</u> need to nd visual inspection	or and answer complete table	No	All surface water is t	tankered off site. There are no emis	ssions to water from			
2 discharge summ	Was it a requirement of your licence to carry out visual inspections on any surface w. discharges or watercourses on or near your site? If yes please complete table W2 be summarising only any evidence of contamination noted during visual inspections Table W1 Storm water monitoring					the site however, sa	imples are still taken upstream and treams condition. Results have bee W3.	downstream of the			
Location reference		e PRTR Parameter	Licenced 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		
		the Agency outside of liceno		where contan	nination was ob	served.					
Location	n Date of										

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

Reference

inspection

		(, p		0 (
3	Was there any result in breach of licence requirements? If yo comment section of Table W3			No	Additional information	
	Was all monitoring carried out in accordance with EPA					
	guidance and checklists for Quality of Aqueous Monitoring	External /Internal				
	Data Reported to the EPA? If no please detail what areas	Lab Quality	Assessment of			
4	require improvement in additional information box	checklist	results checklist	Yes		

Source of

SELECT

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

Emission reference no:	Emission released to	Parameter/ SubstanceNote 1		Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision therof ^{Note 2}	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with	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)	ADMA / AMMA/A		(0/	
SW-1	Water	COD	discrete	Annual	Annual			<10	mg/l	yes	trophotometry (Colorim	"Standard Methods" APHA / AWWA "Standard Methods"	5220D.		ı
SW1	Water	Ammonia as N	discrete	Annual	Annual			0.04	mg/l	yes	trophotometry (Colorim	"Standard Methods"			ı
SW1	Water	Chloride	discrete	Annual	Annual			38	mg/l	yes	trophotometry (Colorim	APHA / AWWA "Standard Methods"	Method 4500-CL-E		
SW1	Water	Suspended Solids	discrete	Annual	Annual			28	mg/l	yes	Gravimetric analysis	APHA / AWWA "Standard Methods" APHA / AWWA	2540D		
SW1	Water	Boron	discrete	Annual	Annual			30	μg/l	yes	tively Coupled Plasma - I	Heavy and and Advalous dell	EPA Method 200.10		
SW1	Water	Beryllium	discrete	Annual	Annual			<2	μg/l	yes	tively Coupled Plasma - I		EPA Method 200.10		
SW1	Water	Aluminum	discrete	Annual	Annual			691	μg/l	No	tively Coupled Plasma - I		EPA Method 200.10		
SW1	Water	Chromium	discrete	Annual	Annual			<2	μg/l	yes	tively Coupled Plasma - I	"Standard Methods"	EPA Method 200.10		
SW1	Water	Manganese	discrete	Annual	Annual			26	μg/l	yes	tively Coupled Plasma - I	"Standard Methods"	EPA Method 200.10		
SW1	Water	Cobalt	discrete	Annual	Annual			<2	μg/l	yes	tively Coupled Plasma - I	"Standard Methods"	EPA Method 200.10		
SW1	Water	Nickel	discrete	Annual	Annual			<2	μg/l	yes	tively Coupled Plasma - I	"Standard Methods"	EPA Method 200.10		
SW1	Water	Copper	discrete	Annual	Annual			4	μg/l	yes	tively Coupled Plasma - I	"Standard Methods"	EPA Method 200.10		
SW1	Water	Zinc	discrete	Annual	Annual			<2	μg/l	yes	tively Coupled Plasma - I	"Standard Mothode"	EPA Method 200.10		
SW1	Water	Arsenic	discrete	Annual	Annual			2	μg/l	yes	tively Coupled Plasma - I	"Standard Mothods" APHA / AWWA	EPA Method 200.10		
SW1	Water	Selenium	discrete	Annual	Annual			4	μg/l	yes	tively Coupled Plasma - I	"Ctondord \$4othodo"	EPA Method 200.10		
SW1	Water	Silver	discrete	Annual	Annual			<2	μg/l	yes	tively Coupled Plasma - I		EPA Method 200.10		
SW1	Water	Cadmium	discrete	Annual	Annual			<2	μg/l	yes	tively Coupled Plasma - I	"Standard Methods"	EPA Method 200.10		
SW1	Water	Tin	discrete	Annual	Annual			<2	μg/l	yes	tively Coupled Plasma - I		EPA Method 200.10		
SW1	Water	Antimony	discrete	Annual	Annual			<2	μg/l	yes	tively Coupled Plasma - I	"Standard Methods"	EPA Method 200.10		

SW1	Water	Barium	discrete	Annual	Annual		37	ug/l	yes	tively Coupled Plasma - I	APHA / AWWA	EDA 14-41- d 200 40	
SW1	Water		discrete	Annual	Annual		<2	µg/l	yes	tively Coupled Plasma - I	"Standard Methods" APHA / AWWA	EPA Method 200.10	
SW1	Water	Lead	discrete	Annual	Annual			μg/l		tively Coupled Plasma - I	"Standard Methods" APHA / AWWA	EPA Method 200.10	
SW1	Water	Mercury		Annual	Annual		<1	μg/l 	yes	tively Coupled Plasma - I	"Standard Mothods"	EPA Method 200.10	
SW1	Water	Sodium	discrete	Annual	Annual		27	mg/l	yes	tively Coupled Plasma - I	APHA / AWWA	EPA Method 200.10	
		Magnesium	discrete				8.1	mg/l	yes	+	"Standard Mothode" APHA / AWWA	EPA Method 200.10	
SW1	Water	Potassium	discrete	Annual	Annual		6.3	mg/l	yes	tively Coupled Plasma - I	"Standard Methods"	EPA Method 200.10	
SW1	Water	Calcium	discrete	Annual	Annual		81	mg/l	yes	tively Coupled Plasma - I	"Standard Mothods"	EPA Method 200.10	
SW1	Water	Iron	discrete	Annual	Annual		0.6	mg/l	yes	tively Coupled Plasma - I	"Standard Methods" APHA / AWWA	EPA Method 200.10	
SW1	Water	Total Coliforms	discrete	Annual	Annual		<100	cfu/100ml	No	sed on IDEXX defined su	"Standard Methods"	D/1201 MPN	
SW1	Water	E-Coli	discrete	Annual	Annual		1	cfu/100ml	No	ised 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)	"Standard Methods"	4500 H+B	
SW-2	Water	COD	discrete	Annual	Annual		18	mg/l	yes	trophotometry (Colorim	APHA / AWWA	5220D,	
SW-2	Water	Ammonia as N	discrete	Annual	Annual		0.04	mg/l	yes	trophotometry (Colorim	APHA / AWWA "Standard Methods"	4500-NH3	
SW-2	Water	Chloride	discrete	Annual	Annual		40	mg/l	yes	trophotometry (Colorim	APHA / AWWA "Standard Methods"	MA-411 4500 CL 5	
SW-2	Water	Suspended Solids	discrete	Annual	Annual		22	mg/l	yes	Gravimetric analysis	APHA / AWWA	2540D	
SW-2	Water	Boron	discrete	Annual	Annual		32		yes	cively Coupled Plasma - I	"Standard Mothode"		
SW-2	Water		discrete	Annual	Annual		<2	μg/l	yes	tively Coupled Plasma - I	APHA / AWWA	EPA Method 200.10	
		Beryllium					- ~	μg/l		1	"Standard Mothods" APHA / AWWA	EPA Method 200.10	
SW-2	Water	Aluminum	discrete	Annual	Annual		846	μg/l	Yes	tively Coupled Plasma - I	"Standard Methods"	EPA Method 200.10	
SW-2	Water	Chromium	discrete	Annual	Annual		2	μg/l	yes	tively Coupled Plasma - I		EPA Method 200.10	
SW-2	Water	Manganese	discrete	Annual	Annual		45	μg/l	yes	tively Coupled Plasma - I	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW-2	Water	Cobalt	discrete	Annual	Annual		4	μg/l	yes	cively Coupled Plasma - I	"Stappard Mothade"	EPA Method 200.10	
SW-2	Water	Nickel	discrete	Annual	Annual		<2	μg/l	yes	cively Coupled Plasma - I	"Standard Methods"	EPA Method 200.10	
SW-2	Water	Copper	discrete	Annual	Annual		4	μg/l	yes	tively Coupled Plasma - I	APHA / AWWA "Standard Methods"	EPA Method 200.10	
SW-2	Water	Zinc	discrete	Annual	Annual		<2	μg/l	yes	tively Coupled Plasma - I	"Standard Methods" APHA / AWWA	EPA Method 200.10	
SW-2	Water	Arsenic	discrete	Annual	Annual		2	μg/l	yes	tively Coupled Plasma - I	"Standard Mothode" APHA / AWWA "Standard Mothode"	EPA Method 200.10	
SW-2	Water	Selenium	discrete	Annual	Annual		6	μg/l	yes	tively Coupled Plasma - I	APHA / AWWA	EPA Method 200.10	
SW-2	Water	Silver	discrete	Annual	Annual		<2	ug/l	yes	tively Coupled Plasma - I	APHA / AWWA	EPA Method 200.10	
SW-2	Water	Cadmium	discrete	Annual	Annual		<2	μg/l	yes	tively Coupled Plasma - I	"Standard Methods"	EPA Method 200.10	
SW-2	Water	Tin	discrete	Annual	Annual		<2	μg/l	yes	tively Coupled Plasma - I	APHA / AWWA	EPA Method 200.10	
SW-2	Water	Antimony	discrete	Annual	Annual		<2	μg/l	yes	tively Coupled Plasma - I	APHA / AWWA	EPA Method 200.10	
SW-2	Water	Barium	discrete	Annual	Annual		40	µg/l	yes	tively Coupled Plasma - I	"Standard Mothode" APHA / AWWA "Standard Mothode"	EPA Method 200.10	
SW-2	Water	Lead	discrete	Annual	Annual		2	μg/l	yes	tively Coupled Plasma - I	APHA / AWWA	EPA Method 200.10	_
SW-2	Water	Mercury	discrete	Annual	Annual		<1	μg/l	yes	tively Coupled Plasma - I	APHA / AWWA	EPA Method 200.10	
SW-2	Water	Sodium	discrete	Annual	Annual		33	mg/l	yes	tively Coupled Plasma - I	"Standard Methods" APHA / AWWA	EPA Method 200.10	
SW-2	Water	Magnesium	discrete	Annual	Annual		8.2	mg/l	yes	cively Coupled Plasma - I	"S*APHAY MWWAde"		
SW-2	Water		discrete	Annual	Annual		6.4		yes	cively Coupled Plasma - I	APHA / AWWA	EPA Method 200.10	
SW-2	Water	Potassium	discrete	Annual	Annual			mg/l	yes	tively Coupled Plasma - I	"Stappard Mothods"	EPA Method 200.10	—
SW-2	Water	Calcium		Annual	Annual	-	87	mg/l		tively Coupled Plasma - I	"Standard Methods"	EPA Method 200.10	
		Iron	discrete			-	1.1	mg/l	yes	1	"Standard Mothods" APHA / AWWA	EPA Method 200.10	—
SW-2	Water	Total Coliforms	discrete	Annual	Annual		30	cfu/100ml	No	ised on IDEXX defined su	"Standard Methods" APHA / AWWA	D/1201 MPN	
SW-2	Water	E-Coli	discrete	Annual	Annual		0	cfu/100ml	No	sed on IDEXX defined su	"Standard Methods"	D/1201 MPN	
		vironmental Objectives (Su											

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

 $6 \ \, \frac{\text{Did continuous monitoring equipment experience downtime? If yes please record downtime in table W4 below}{}$ Do you have a proactive service contract for each piece of continuous monitoring equipment on site?

8 below 19 below 19

Did abatement system bypass occur during the reporting year? If yes please complete table w
below
Table W4: Summary of average emissions -continuous monitoring

SELECT	
SELECT	
SELECT	

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

Da	te	Duration (hours)			 Was a report submitted to the	When was this report submitted?
			Cimissions	буразз	 EPA?	
					SELECT	
Г						

^{*}Measures taken or proposed to reduce or limit bypass frequency

		6	

		7

Bund testing dropdown menu click to see options Are your 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) 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" 3 yee units and mobile bunds 4 How many of these bunds have been tested within the required test schedule? 5 How many of these bunds have been tested within the required test schedule? 6 How many of these mobile bunds included in the bund test schedule? 7 Are the mobile bunds are on site? 8 How many of these mobile bunds have been tested within the required test schedule? 9 How many of these mobile bunds have been tested within the required test schedule? 9 How many of these mobile bunds have been tested within the required test schedule? 9 How many of these mobile bunds have been tested within the required test schedule? 9 Scheduled for completion in 2016 9 Scheduled for completion in 2016 9 Scheduled for completion in 2016 9 O Scheduled for completion in 2016	
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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) 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" 3 type units and mobile bunds as on site? 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 of these mobile bunds have been tested within the required test schedule? 9 How many of these mobile bunds have been tested within the required test schedule? 9 Scheduled for completion in 2016 9 How many or these micluded in the included in the includ	
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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" 3 years 1 yea units and mobile bunds and mobile bunds or on site? 2 5 1 Who many of these bunds have been tested within the required test schedule? 4 How many or how bunds are on site? 5 How many of these bunds have been tested within the required test schedule? 5 How many of these bunds have been tested within the required test schedule? 6 How many of these mobile bunds included in the bund test schedule? 7 Are the mobile bunds have been tested within the required test schedule? 8 How many of these mobile bunds have been tested within the required test schedule? 9 O Scheduled for completion in 2016 9 How many sumps on site are included in the integrity test schedule? 0 Scheduled for completion in 2016	
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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? 9 O Scheduled for completion in 2016 9 How many sumps on site are included in the integrity test schedule? 9 O	
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? 0 Scheduled for completion in 2016 0 United Scheduled for completion in 2016	
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? No 21 [Yes to GUI are these fallises; systems included in a maintenance and testing programme? N/A	
12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme? N/A 13 Is the Fire Water Retention Pond included in your integrity test programme? N/A	
Di Bitle the Water necession rotal mouded in your mitigrity test programme:	
Table 81: Summary details of bund /containment structure integrity test	
	Results of
Integrity reports	retest(if in
Bund/Containment maintained on Integrity test failure	Scheduled date current
structure ID Type Specify Other type Product containment Actual capacity Capacity required* Type of integrity test Other test type Test date site? Results of test explanation <50 word	Corrective action taken for retest reporting y
* Capacity required should comply with 15% or 110% containment rule as detailed in your licence Commentary	
Has integrity testing been carried out in accordance with licence requirements and are all structures tested in	
15 line with BSB007/EPA Suidance? bunding and storage guidelines No Scheduled for completion in 2016 16 Are channelly stransfer systems to remote containment systems tested?	
20 ALE CHAINES / VARIEN EN PROMETE CHAINES / VARIEN ES CHAINES / V	
2. Yet channed particle appeting composite in sour meging and dismost countrie.	
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	
1 underground structures and pipelines on site which failed the integrity test and all which have not been tested which failed the integrity test period as specified Yes	
2 Please provide integrity testing frequency period 3 years Completed October 2014	
*please note integrity testing means water tightness testing for process and foul pipelines (as required under your licence)	
Table 82: Summary details of pipeline/underground structures integrity test	
Type of secondary	
antoiamost .	
integrity test	
Does this structure have Does this structure have Does this structure have Integrity reports failure explanation Corrective action Scheduled date Results of retest from the failure explanation Results of retest failure explanation Results of retest failure explanation Corrective action Scheduled date Results of retest from the failure explanation Results of retest failure explanation Corrective action Scheduled date Results of retest from the failure explanation Results of retest from the failure explanation Results of retest from the failure explanation Corrective action Scheduled date Results of retest from the failure explanation Results of retest from the failure explanatio	rent
Seepage noted between Concrete Repairs to be	
Storm water pipeline Storm concrete No SELECT CCTV Yes Fail Rigs-SEW being carried out in Dec-16 SELECT	
Actini water pipeline John Condition Jacob Jac	
repairs	
Compunity of I	
Storm water oil Storm other(please specify) Yes Unter (outlee waii CCTV Yes Pass chamber) CATV Chamber)	

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

Groundwater/Soil monitoring template Lic No: W0222-01 Year 2015

Comments

		Comments	
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
2 Are you required to carry out soil monitoring as part of your licence requirements?	no		interpretation box below or if you require additional space please include a
Do you extract groundwater for use on site? If yes please specify use in comment 3 section	no		groundwater/contaminated land monitoring results interpretaion as an additional section in this AER
Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is 4 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. Croundwater 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
5 Is the contamination related to operations at the facility (either current and/or historic)	yes		alternative downgradient well was installed by the licencsee 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
6 Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	yes		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
7 Please specify the proposed time frame for the remediation strategy	yes		remedial works are scheduled to commence in June 2016
8 Is there a licence condition to carry out/update ELRA for the site?	yes		Terrieulai works are scrieduled to confinience in June 2016
9 Has any type of risk assesment 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

	- PO		co	B						
Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*		Upward trend in pollutant concentration over last 5 years of monitoring data
Mar/Jun/J ul	GW-1	pН	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/J ul	GW-1	Conductivity	APHA 2012 2510B	Annual	737	737	μS/cm	800-1875	1,000	data not available
Mar/Jun/J ul	GW-1	COD	APHA,2012 5220D	Annual	<10	<10	mg/l	-	-	data not available
ul	GW-1	N	NH3 and bluebook	Annual	0.13	0.13	mg/l	-	-	data not available
Mar/Jun/J ul	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/J ul	GW-1	DRO	Gas Chromatography	Annual	-	-	mg/l	-	-	data not available
Mar/Jun/J ul	GW-1	Mineral oil	Gas Chromatography	Annual	-	-	mg/l	-	-	data not available

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

Groundw	vater/Soil n	nonitoring to	emplate		Lic No:	W0222-01		Year	2015	
Mar/Jun/J ul	GW-1	Iron	ICP-MS	Annual	<0.1	<0.1	mg/l	-	0.2	data not available
Mar/Jun/J ul	GW-1	Mercury	ICP-MS	Annual	<1	<1	μg/l	0.75	-	data not available
Mar/Jun/J ul	GW-1	e-Coli	MTM025	Annual	<1	<1	cfu/100ml	-	0	data not available
Mar/Jun/J ul	GW-1	Total Coliforms	MTM025	Annual	18	18	cfu/100ml	-	0	data not available
Mar/Jun/J ul	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/J ul	GW-2A	pН	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/J ul	GW-2A	Conductivity	APHA 2012 2510B	Annual	752	752	μS/cm	800-1875	1,000	data not available
Mar/Jun/J ul	GW-2A	COD	APHA,2012 5220D	Annual	<10	<10	mg/l	-	-	data not available
Mar/Jun/J ul	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/J ul	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/J ul	GW-2A	DRO	Gas Chromatography	Annual	-	-	mg/l	-	-	data not available
Mar/Jun/J ul	GW-2A	Mineral oil	Gas Chromatography	Annual	-	-	mg/l	-	-	data not available
Mar/Jun/J ul	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/J ul	GW-2A	Total Nitrogen	APHA 2012 4500- NO ₂ B. Colorimetric Method	Annual	4.7	4.7	mg/l	-	-	data not available
Mar/Jun/J ul	GW-2A	Chloride	APHA 2012 4500- CL-E	Annual	39	39	mg/l	187.5	30	data not available
Mar/Jun/J ul	GW-2A	Boron	ICP-MS	Annual	57	57	μg/l	750	1000	data not available
Mar/Jun/J ul	GW-2A	Berylium	ICP-MS	Annual	<2	<2	μg/l	-	-	data not available
					•					

Groundw	/ater/Soil m	nonitoring to	emplate		Lic No:	W0222-01		Year	2015	
Mar/Jun/J	acci / Joh II	lornioning to	l		LIC NO.	1102222-01		r Cai	2013	
ul	GW-2A	Aluminium	ICP-MS	Annual	<2	<2	μg/l	150	200	data not available
Mar/Jun/J ul	GW-2A	Chromium	ICP-MS	Annual	<2	<2	μg/l	37.5	30	data not available
Mar/Jun/J ul	GW-2A	Manganese	ICP-MS	Annual	128	128	μg/l	_	50	data not available
Mar/Jun/J ul	GW-2A	Cobalt	ICP-MS	Annual	<2	<2	μg/l	-	-	data not available
Mar/Jun/J ul	GW-2A	Nickel	ICP-MS	Annual	3	3	μg/l	15	20	data not available
Mar/Jun/J ul	GW-2A	Copper	ICP-MS	Annual	<2	<2	μg/l	1500	30	data not available
Mar/Jun/J ul	GW-2A	Zinc	ICP-MS	Annual	24	24	μg/l	-	100	data not available
Mar/Jun/J ul	GW-2A	Arsenic	ICP-MS	Annual	<2	<2	μg/l	7.5	10	data not available
Mar/Jun/J ul	GW-2A	Selenium	ICP-MS	Annual	<2	<2	μg/l	-	-	data not available
Mar/Jun/J ul	GW-2A	Silver	ICP-MS	Annual	<2	<2	μg/l	-	-	data not available
Mar/Jun/J ul	GW-2A	Cadmium	ICP-MS	Annual	<2	<2	μg/l	3.75	5	data not available
Mar/Jun/J ul	GW-2A	Tin	ICP-MS	Annual	<2	<2	μg/l	-	-	data not available
Mar/Jun/J ul	GW-2A	Antimony	ICP-MS	Annual	<2	<2	μg/l	-	-	data not available
Mar/Jun/J ul	GW-2A	Barium	ICP-MS	Annual	122	122	μg/l	-	100	data not available
Mar/Jun/J ul	GW-2A	Lead	ICP-MS	Annual	<2	<2	μg/l	18.75	10	data not available
Mar/Jun/J ul	GW-2A	Sodium	ICP-MS	Annual	22	22	mg/l	150	150	data not available
Mar/Jun/J ul	GW-2A	Magnesium	ICP-MS	Annual	13	13	mg/l	-	50	data not available
Mar/Jun/J ul	GW-2A	Potassium	ICP-MS	Annual	2.3	2.3	mg/l	-	5	data not available
Mar/Jun/J ul	GW-2A	Calcium	ICP-MS	Annual	92	92	mg/l	-	200	data not available
Mar/Jun/J ul	GW-2A	Iron	ICP-MS	Annual	<0.1	<0.1	mg/l	-	0.2	data not available
Mar/Jun/J ul	GW-2A	Mercury	ICP-MS	Annual	<1	<1	μg/l	0.75	-	data not available
Mar/Jun/J ul Mar/Jun/J	GW-2A GW-2A	e-Coli Coliforms	MTM025 MTM025	Annual Annual	<1 <1	<1	cfu/100ml cfu/100ml	-	0	data not available
Mar/Jun/J	GW-2A	VOC's	GC-FID, GC-MS Based on USEPA 524.2 method	Annual	<0.001	<0.001	mg/l	-	-	data not available data not available

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

^{.+} where average indicates arithmetic mean

Groundwater/Soil monitoring template	Lic No:	W0222-01	Year 2015	
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 $. + + \\ maximum \\ concentration \\ indicates \\ the \\ maximum \\ measured \\ concentration \\ from \\ all \\ monitoring \\ results \\ produced \\ during \\ the \\ reporting \\ year \\ verified \\ year \\$

Table 2: Downgradient Groundwater monitoring results

Tubic 2.	Table 2. Downgradient Groundwater monitoring results												
										Upward trend in			
										yearly average			
										pollutant			
	Sample									concentration			
Date of	location	Parameter/		Monitoring	Maximum	Average				over last 5 years			
sampling	reference	Substance	Methodology	frequency	Concentration	Concentration	unit	GTV's*	SELECT**	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	
vater EQS	GTV's	<u>standards</u>	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 montoring well (GW-2A) was installed following approval by the Agency in February 2015.

Environmental Liabilities template Lic No: W0222-01 Year 2015

Click here to access EPA guidance on Environmental Liabilities and Financial provision

			Commentary
1	ELRA initial agreement status		
		Submitted and agreed by EPA	
			ELRA agreed in 2014,
			no change to date to
2	ELRA review status	Review required and completed	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	
		Closure plan submitted and agreed by	
8	Closure plan initial agreement status	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		_	
			The Licensee hol	ds a fully NSAI accredited Integrated		
1			Management Syste	em incoporating Environmental (to ISO		
_			14001:2004), Health 8	& Safety (OHSAS 18001:2007) and Quality		
			(ISO9002:2000). The	se management systems are maintained		
				ation with the environmental officers and		
	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in		· ·	rdinators. They are audited on a bi-annua	ıl	
	additional information	Yes		and externally on an annual basis.		
				r is maintained onsite and updated on an		
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes		annual review basis		
	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance		Yes Environmental ob	jectives and targets are set on an annual		
3	with the licence requirements	Yes	basis and progres	s against targets is reviewed quarterly		
	De constituire de maisse de la constituire de la		A file is socilely to the			
	Do you maintain an environmental documentation/communication system to inform the public on		A file is available to vie	ew by members of the public at the facility	/	
4	environmental performance of the facility, as required by the licence	Yes		if requested		

Environmental Management Progra	mme (EMP) report				
Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
	Complete required repairs		SEW submitted in 2015. EPA		
	on storm water drainage		has given approval. At		
Reduction of emissions to Water	network.	50	procurement phase.	Individual	Increased compliance
	Remediate identified				
	contaminated land to the		SEW submitted in 2015. EPA		
	southeastern corner of the		has given approval. At		Remediation of contamination
Groundwater protection	site.	50	procurement phase.	Section Head	on site.
	Decomission the onsite				
	underground air drying				
Additional improvements	chambers and ducts.	100		Section Head	Reduced Emissions
	Redesign and repair				
	damaged internal flooring				
	in waste processing		SEW being prepared for		Increased compliance with
Additional improvements	building.	100	submission to the Agency.	Individual	licence conditions
			SEW submitted in 2015. EPA		
	Carry out interim and total		has given approval. At		Increased compliance with
Groundwater protection	repairs to yard hard stand.	50	procurement phase.	Section Head	licence conditions
			SEW submitted in 2015. EPA		
			has given approval. At		
Additional improvements	Intall a truck/bin wash	50	procurement phase.	Individual	Installation of infrastructure

Environmental Management Prog	ramme/Continuous Imp	rovement Programme	template	Lic No:	W0222-01	Year	2
			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				
	Reduction of fuel usage in		fuel usage. Route				
Energy Efficiency/Utility conservation	2016	30	optimisation is ongoing.	Individual	Reduced emissions		
SELECT		SELECT		SELECT	SELECT		

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

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

Table N1: Noise monitoring sumn	nary					1					
Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA _{eq}	LA ₁₀	LA90	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 <u>site</u> compliant with noise limits (day/evening/night)?
10th Dec 2015	30min	N1		61	63	59	69	SELECT	SELECT	Cit. Toward with its words	
10th Dec 2015	30min	N1		63	64	61	70			Site - Trommel within waste reception shed continos & dominant throughout measurement. Reversing	
11th Dec 2015	30min	N1		61	63	59	77			alarms from plant machinery within reception shed occationally faintky audible. Skip collection/drop along the river boundary east of recpetion shed. Occational idle engine located at the front of the reception shed. Boundary. Passing rd. traffic on the R133 (60m) not clearly visible but occasionally dominant.	No
10th Dec 2015	30min	N2		73	75	64	85				
10th Dec 2015	30min	N2		72	74	66	89			Site - Traffic entering/exiting site and passing close to monitoring position (15m).	
11th Dec 2015	30min	N2		69	73	62	92			Vecicles entering /exciting main reception shed (45m) + associated air break pressureand reversing alms 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. Background – No significant offsite noise due to dominance of site activity.	No

10th Dec 2015 30min N3 65 67 60 83 within a (10m) - engine machin receptic occasion.	Trommel operating reception shed) – dominant. Diesel es from plant inery within tion shed	
reception occasion oc	tion shed	
10th Dec 2015 30min N3 shed or	sionally audible. c to front of reception occasionally	No
58 60 55 75 reversing engineer reception of the control of the con	le, including sing alarms. Idle es at front of tion sheds. ground –, Birds	
68 71 62 86 in main audible	5-50m). Traffic activity n yard not visible but e during periods of low ng traffic on the	
70 72 66 84 Moveme collection 11th Dec 2015 30min N4	ent public road. ment of RoRo skips tion/drop off. Reversing of machinery around	No
operation weigh br	ard Sweeper in ion. Idle engine on bridge. ground –Large	
10th Dec 2015 30min NSL 73 77 59 87		
11th Dec 2015 30min NSL 76 79 62 90 Backgr	No audible site activity. ground – Passing road	Yes
11th Dec 2015 30min NSL 74 79 61 90 Itaffic or dominar	on the R132 (5-10m) – ant.	
*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

Resource Usage/Energy efficiency summary Lic No: W0222-01 Year 2015

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 - Large Industry Energy programme linked to the right? If yes please list them in additional information Network (LIEN)

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

Table R1 Energy usage on site	!						
			Production +/- %	Energy			
			compared to	Consumption +/- %			
			previous reporting	vs overall site			
Energy Use	Previous year	Current year	year**	production*	Conversion	n	
Total Energy Used (MWHrs)	381074.72	2485.730388			Kerosene		0.009821 MWh/ltr
Total Energy Generated (MWHrs)					Gasoil		0.010165 kWh/ltr
Total Renewable Energy Generated (MWHrs)					Med FO		0.010786 kWh/ltr
Electricity Consumption (MWHrs)	90.52	236.47			DERV		0.010169 kWh/ltr
Fossil Fuels Consumption:					Petrol		0.009269 kWh/ltr
Heavy Fuel Oil (m3)							
Light Fuel Oil (m3)	37480	123.892			1	2014	2015
Natural gas (m3)					DERV		15802
Coal/Solid fuel (metric tonnes)					Gas Oil		107090
Peat (metric tonnes)					Kerosene		1000
Renewable Biomass]	380984.2	160.690538
Renewable energy generated on site							1088.56985
where consumption of energy can be compared to o	verall site production ple	ase enter this informa	tion as percentage in	crease or decrease co	mnared to the previous reporting	vear	1000

* 1	where c	consu	mpti	on o	of ene	ergy o	can I	be co	mpared	to overall	site prod	duction p	olease er	iter this	informati	on as p	ercentag	e increase	or decr	ease con	npared to	o the pi	revious r	eporting	year.	

** where site production information is available please enter percentage increase or decrease compared to previous year

2249.260388

Table R2 Water usage on site					Water Emissions	Water Consumption	
	Water extracted		,	consumption if it		Volume used i.e not discharged to environment	Unaccounted for
Water use	Previous year m3/yr.	Current year m3/yr.	year**	production*	environment(m³yr):	e.g. released as steam m3/yr	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

Table R3 Waste Stream Summa	ry]			
	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)					
Non-Hazardous (Tonnes)					

esource Usage/Energy efficiend	cy summary			Lic No:	W0222-01		Year	2015
Table R4: Er	nergy Audit finding recommendations							
Date of audit	Recommendations	Description of Measures proposed		Predicted energy savings %	Implementation date	Responsibility		Status and comments
			SELECT					
			SELECT					
			SELECT					

Table R5: Power Generation: Where power is ge	, , ,				
	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					

	d Incidents summary temp				Lic No:	W0222-01		Year	2015			J		
	· · · · · · · · · · · · · · · · · · ·	Compla	ints	· · · · · · · · · · · · · · · · · · ·										
					Additional information	_								
lave you received	any environmental complaints in		please complete summary											
	details of complaints re	ceived on site in table 1 below		No										
Table	2 1 Complaints summary		1											
Table	1 Complaints summary		Brief description of					1						
			complaint (Free txt <20	Corrective action< 20			Further							
ate	Category	Other type (please specify)		words	Resolution status	Resolution date	information							
rate	SELECT	Other type (please specify)	worusj	Words	SELECT	Resolution date	imormation	-						
	SEEEGI		1	l	DELECT		1	1						
otal complaints		1												
open at start of														
reporting year		0												
Total new		1												
complaints														
eceived during														
eporting year	1	0												
Total complaints														
losed during														
eporting year	1	0												
Balance of														
complaints end of														
eporting year		0												
cporting year	•													
eporting year														
eporting year														
eporting year		Incider	nts											
					Additional information									
	s occurred on site in the current r	eporting year? Please list all incide	ents for current reporting		Additional information									
			ents for current reporting	Yes	Additional information									
		eporting year? Please list all incide	ents for current reporting	Yes	Additional information									
Have any incident:	year in	eporting year? Please list all incide Table 2 below	ents for current reporting	Yes	Additional information									
Have any incident:	year in n how to report and what constitu	eporting year? Please list all incide Table 2 below ites	ents for current reporting	Yes	Additional information									
Have any incident	year in	eporting year? Please list all incide Table 2 below	ents for current reporting	Yes	Additional information									
Have any incident	year in n how to report and what constitu an incident	eporting year? Please list all incide Table 2 below ites	ents for current reporting	Yes	Additional information									
Have any incident	year in n how to report and what constitu an incident	eporting year? Please list all incide Table 2 below ites	ents for current reporting	Yes	Additional information	Other	Activity in	I	Ι		Preventative	I	T	T
Have any incident	year in n how to report and what constitu an incident	eporting year? Please list all incide Table 2 below ites	ents for current reporting	Yes	Additional information	Other cause(please	Activity in progress at time			Corrective action<20	Preventative action <20		Resolution	L
Have any incident: For information or Table 2 Incidents su	year in n how to report and what constitu an incident ummary	eporting year? Please list all incide Table 2 below ites	ents for current reporting	Yes	Additional information			Communication	Occurrence	Corrective action<20 words		Resolution status		
Have any incident. For information or fable 2 Incidents su	year in n how to report and what constitu an incident ummary	eporting year? Please list all incide Table 2 below Ites What is an incident	ents for current reporting			cause(please	progress at time	Communication	Occurrence		action <20	Resolution status		Li re
Have any incident	year in n how to report and what constitu an incident ummary	eporting year? Please list all incide Table 2 below Ites What is an incident	ents for current reporting			cause(please	progress at time	Communication	Occurrence		action <20	Resolution status		
Have any incident. For information or fable 2 Incidents su	year in n how to report and what constitu an incident ummary	eporting year? Please list all incide Table 2 below Ites What is an incident	ents for current reporting			cause(please specify)	progress at time	Communication	Occurrence		action <20	Resolution status		
Have any incident *For information or Table 2 incidents su	year in n how to report and what constitu an incident ummary	eporting year? Please list all incide Table 2 below Ites What is an incident	ents for current reporting			cause(please specify) Unknown at	progress at time	Communication	Occurrence		action <20	Resolution status		
Have any incident *For information or Table 2 incidents su	year in n how to report and what constitu an incident ummary	eporting year? Please list all incide Table 2 below Ites What is an incident	ents for current reporting			cause(please specify) Unknown at present - The site	progress at time	Communication	Occurrence	words	action <20	Resolution status		
Have any incident: For information or Table 2 Incidents su	year in n how to report and what constitu an incident ummary	eporting year? Please list all incide Table 2 below Ites What is an incident	ents for current reporting			cause(please specify) Unknown at present - The site has been closed for a number of	progress at time	Communication	Occurrence	words Monitoring has been	action <20	Resolution status		
Have any incident: For information or Table 2 Incidents su	year in n how to report and what constitu an incident ummary	eporting year? Please list all incide Table 2 below Ites What is an incident	ents for current reporting			cause(please specify) Unknown at present - The site has been closed for a number of years and the	progress at time	Communication	Occurrence	words Monitoring has been scheduled to	action <20	Resolution status		
Have any incident: For information or Table 2 Incidents su	year in n how to report and what constitu an incident ummary	eporting year? Please list all incide Table 2 below Ites What is an incident	ents for current reporting			cause(please specify) Unknown at present - The site has been closed for a number of years and the licence was	progress at time	Communication	Occurrence	words Monitoring has been scheduled to investigate the cause	action <20 words	Resolution status		
Have any incident: For information or Table 2 Incidents su Date of occurrence	year in n how to report and what constitu an incident ummary Incident nature	eporting year? Please list all incide Table 2 below Ites What is an incident Location of occurrence	ents for current reporting Incident category*please refer to guidance	Receptor	Cause of incident	cause(please specify) Unknown at present - The site has been closed for a number of years and the licence was transferred to	progress at time of incident			words Monitoring has been scheduled to investigate the cause of the elevated	action <20 words		date	re
Have any incident: For information or Table 2 Incidents su Date of occurrence	year in n how to report and what constitu an incident Jummary Incident nature Breach of ELV	eporting year? Please list all incide Table 2 below Ites What is an incident Location of occurrence Licenced discharge point (GV	Incident category*please refer to guidance	Receptor	Cause of incident Other (add details)	cause(please specify) Unknown at present - The site has been closed for a number of years and the licence was	progress at time of incident	EPA	New	words Monitoring has been scheduled to investigate the cause	action <20 words	Complete		re Lı
Have any incident: For information or Fable 2 Incidents su Date of occurrence	year in n how to report and what constitu an incident Jammary Incident nature Breach of ELV SELECT	eporting year? Please list all incide Table 2 below Ites What is an incident Location of occurrence Licenced discharge point (GV SELECT	Incident category*please refer to guidance	Receptor Water SELECT	Cause of incident Other (add details) SELECT	cause(please specify) Unknown at present - The site has been closed for a number of years and the licence was transferred to	progress at time of incident Normal activities SELECT	EPA SELECT	New SELECT	words Monitoring has been scheduled to investigate the cause of the elevated	action <20 words	Complete SELECT	date	Li
Have any incident: For information or Table 2 Incidents su Date of occurrence	year in n how to report and what constitu an incident Jummary Incident nature Breach of ELV SELECT SELECT	eporting year? Please list all incide Table 2 below Ites What is an incident Location of occurrence Licenced discharge point (GV SELECT SELECT	Incident category*please refer to guidance	Receptor Water SELECT SELECT	Cause of incident Other (add details) SELECT SELECT	cause(please specify) Unknown at present - The site has been closed for a number of years and the licence was transferred to	progress at time of incident Normal activities SELECT SELECT	EPA SELECT SELECT	New SELECT SELECT	words Monitoring has been scheduled to investigate the cause of the elevated	action <20 words	Complete SELECT SELECT	date	L S S
Have any incident: For information or Table 2 Incidents su Date of occurrence	year in n how to report and what constitu an incident January Incident nature Breach of ELV SELECT SELECT SELECT	eporting year? Please list all incide Table 2 below Ites What is an incident Location of occurrence Licenced discharge point (GV SELECT SELECT SELECT SELECT	Incident category*please refer to guidance 1. Minor SELECT SELECT SELECT	Receptor Water SELECT SELECT SELECT	Cause of incident Other (add details) SELECT SELECT SELECT	cause(please specify) Unknown at present - The site has been closed for a number of years and the licence was transferred to	progress at time of incident Normal activities SELECT SELECT SELECT	EPA SELECT SELECT SELECT	New SELECT SELECT SELECT	words Monitoring has been scheduled to investigate the cause of the elevated	action <20 words	Complete SELECT SELECT SELECT	date	L S S S
Have any incident: For information or Fable 2 Incidents su Date of occurrence	year in n how to report and what constitu an incident Jummary Incident nature Breach of ELV SELECT SELECT	eporting year? Please list all incide Table 2 below Ites What is an incident Location of occurrence Licenced discharge point (GV SELECT SELECT	Incident category*please refer to guidance 1. Minor SELECT SELECT SELECT	Receptor Water SELECT SELECT	Cause of incident Other (add details) SELECT SELECT	cause(please specify) Unknown at present - The site has been closed for a number of years and the licence was transferred to	progress at time of incident Normal activities SELECT SELECT	EPA SELECT SELECT	New SELECT SELECT	words Monitoring has been scheduled to investigate the cause of the elevated	action <20 words	Complete SELECT SELECT	date	
Have any incident: For information or Fable 2 Incidents su Date of occurrence	year in n how to report and what constitu an incident January Incident nature Breach of ELV SELECT SELECT SELECT	eporting year? Please list all incide Table 2 below Ites What is an incident Location of occurrence Licenced discharge point (GV SELECT SELECT SELECT SELECT	Incident category*please refer to guidance 1. Minor SELECT SELECT SELECT	Receptor Water SELECT SELECT SELECT	Cause of incident Other (add details) SELECT SELECT SELECT	cause(please specify) Unknown at present - The site has been closed for a number of years and the licence was transferred to	progress at time of incident Normal activities SELECT SELECT SELECT	EPA SELECT SELECT SELECT	New SELECT SELECT SELECT	words Monitoring has been scheduled to investigate the cause of the elevated	action <20 words	Complete SELECT SELECT SELECT	date	Lo SI SI

incidents previous year % reduction/ increase

WASTE SUMMARY Lic No: W0222-01 Year 2015

ECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACI<u>PRTR facility logon</u>

dropdown list click to see options

ONTO SITE-TO BE COMPLETED F	

Nere any wastes accepted onto your site for recover	ry or disposal or treatment prior to reco	overy or disposal within the boundaries of	your facility ?: (waste

1 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

051503	
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)

Licenced	EWC code										
	EWC code	Source of waste accepted	· ·	Quantity of		Reduction	Reason for	Packaging Content (%)-	Disposal/Recovery or treatment operation carried	Quantity of	Comments -
annual			Please enter an accurate and detailed	waste accepted	of	/	reduction/	only applies if the	out at your site and the description of this operation		
tonnage limit			description - which applies to relevant	in current	waste	Increase	increase from	waste has a packaging		remaining on	
for your site			EWC code	reporting year	accepted	over	previous	component		site at the end	
(total				(tonnes)	in	previous	reporting year			of reporting	
tonnes/annum)					previous	year +/ -				year (tonnes)	
					reportin	%					
	European Waste Catalogue EWC codes		European Waste Catalogue EWC codes		g year						
					(tonnes)						
					, ,						
		11- WASTES FROM									
		CHEMICAL SURFACE									
		TREATMENT AND COATING									
		OF METALS AND OTHER									
		MATERIALS; NON-FERROUS							R13-Storage of waste pending any of the operations		
[110110	HYDRO-METALLURGY	Sludges and filter cakes other than those me	16.00	0	100%	new customer	0%	numbered R1 to R12 (excluding temporary storage)		
				10.00	Ť	10070	zzstomer	5,0			
1		15- WASTE PACKAGING;									
		ABSORBENTS, WIPING									
		CLOTHS, FILTER MATERIALS					increased				
		AND PROTECTIVE CLOTHING					commercial		R13-Storage of waste pending any of the operations		
	150101		Paper and Cardboard Packaging	13.99	5.62	60%	activity	100%	numbered R1 to R12 (excluding temporary storage)		
\vdash	130101	NOT OTHERWISE SPECIFIED	raper and Cardboard Packaging	13.99	5.02	00%	activity	100%	numbered n.1 to K12 (excluding temporary Storage)		
		15 WASTE DACKACING									
		15- WASTE PACKAGING;									
		ABSORBENTS, WIPING									
		CLOTHS, FILTER MATERIALS					increased				
		AND PROTECTIVE CLOTHING					commercial		R13-Storage of waste pending any of the operations		
	150102	NOT OTHERWISE SPECIFIED	Plastic Packaging	17.00	0.7	96%	activity	100%	numbered R1 to R12 (excluding temporary storage)		
		15- WASTE PACKAGING;									
1		ABSORBENTS, WIPING									
		CLOTHS, FILTER MATERIALS					increased				
		AND PROTECTIVE CLOTHING					commercial		R13-Storage of waste pending any of the operations		
[150103	NOT OTHERWISE SPECIFIED	Wooden Packaging	241.92	89.54	63%	activity	100%	numbered R1 to R12 (excluding temporary storage)		
			1								
		15- WASTE PACKAGING;									
		ABSORBENTS, WIPING									
		CLOTHS, FILTER MATERIALS					increased				
		AND PROTECTIVE CLOTHING					commercial		R13-Storage of waste pending any of the operations		
1	150105	NOT OTHERWISE SPECIFIED	Composite packaging	2.14	0	100%	activity	100%	numbered R1 to R12 (excluding temporary storage)		
	130103	NOT OTTLENWISE SPECIFIED	composite packaging	2.14	-	100%	uctivity	100%	numbered ht to htt jexeldding temporary storage)		
		15 WASTE DACKAGING									
		15- WASTE PACKAGING;									
		ABSORBENTS, WIPING									
		CLOTHS, FILTER MATERIALS					increased				
		AND PROTECTIVE CLOTHING					commercial		R13-Storage of waste pending any of the operations		
	150107	MOT OTHERWISE SPECIFIED	Commercial Glass Packaging	23.20	7.44	68%	activity	100%	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 EXCAVAED 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 EXCAVATE DOIL 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 EXCAVATE DOIL 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 EXCAVATE OSIL 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 EXCAVATE DOIL 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 WASTE 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	73.06	o	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			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		
						1				
									1 1	
	19- WASTES FROM WASTE								1	
	MANAGEMENT FACILITIES,								1	
	OFF-SITE WASTE WATER		ļ						1	
	TREATMENT PLANTS AND		ļ						1	
	THE PREPARATION OF		ļ						1	
	WATER INTENDED FOR		ļ						1	
	HUMAN CONSUMPTION AND					improved		R13-Storage of waste pending any of the operations	1	
191212	WATER FOR INDUSTRIAL USE C&D	Fines Inert	112.96	40.18	64%	segregation	0%	numbered R1 to R12 (excluding temporary storage)	85	
	20- MUNICIPAL WASTES								1	
	(HOUSEHOLD WASTE AND								1	
	SIMILAR COMMERCIAL,								1	
	INDUSTRIAL AND		ļ						1	
	INSTITUTIONAL WASTES)								1	
	INCLUDING SEPARATELY					improved		R13-Storage of waste pending any of the operations	1	
200101		nicipal Paper and Cardboard	51.60	17.96	65%	segregation	0%	numbered R1 to R12 (excluding temporary storage)		
	20- MUNICIPAL WASTES		ļ						1	
	(HOUSEHOLD WASTE AND		ļ						1 1	
	SIMILAR COMMERCIAL,								1 1	
	INDUSTRIAL AND								1 1	
	INSTITUTIONAL WASTES)							D13 Channel of	1 1	
200102	INCLUDING SEPARATELY COLLECTED FRACTIONS Mur	isiaal Class	1.86	0	100%	improved	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	1 1	
200102		nicipal Glass	1.86	U	100%	segregation	0%	numberea K1 to K12 (excluding temporary storage)		
	20- MUNICIPAL WASTES								1	
	(HOUSEHOLD WASTE AND		ļ						1	
	SIMILAR COMMERCIAL,								1	
	INDUSTRIAL AND INSTITUTIONAL WASTES)								1	
	INCLUDING SEPARATELY					improved		R13-Storage of waste pending any of the operations	1	
200108		nmercial Biodegradable Kitchen and Cant	9.38	0.24	97%		0%		1	
200100	20- MUNICIPAL WASTES	mercial biodegradable kitchen and cant	5.56	0.24	3770	segregation	070	nambered K1 to K12 (excluding temporary storage)		
	(HOUSEHOLD WASTE AND								1	
	SIMILAR COMMERCIAL,								1	
	INDUSTRIAL AND								1	
	INSTITUTIONAL WASTES)		ļ						1	
	INCLUDING SEPARATELY					improved		R13-Storage of waste pending any of the operations	1	
200136		-Hazardous WEEE	5.90	2.12	64%		0%	numbered R1 to R12 (excluding temporary storage)	1	
	20- MUNICIPAL WASTES							()		
	(HOUSEHOLD WASTE AND								1	
	SIMILAR COMMERCIAL,									
			l							
1	INDUSTRIAL AND		Ì							
	INDUSTRIAL AND INSTITUTIONAL WASTES)					increased				
						increased customer		R13-Storage of waste pending any of the operations		
200138	INSTITUTIONAL WASTES) INCLUDING SEPARATELY	nicipal Wood	338.28	62.54	82%		0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
200138	INSTITUTIONAL WASTES) INCLUDING SEPARATELY	icipal Wood	338.28	62.54	82%	customer	0%			
200138	INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS Mur	icipal Wood	338.28	62.54	82%	customer	0%			
200138	INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20- MUNICIPAL WASTES	iicipal Wood	338.28	62.54	82%	customer	0%			
200138	INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 40-MUNICIPAL WASTES (HOUSEHOLD WASTE AND	iicipal Wood	338.28	62.54	82%	customer	0%			
200138	INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL,	iicipal Wood	338.28	62.54	82%	customer	0%			
	INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY			62.54		increased customer		numbered R1 to R12 (excluding temporary storage) R13-Storage of waste pending any of the operations		
200138	INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED PRACTIONS 20 - MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS Mur	nicipal Wood	338.28	62.54	82%	customer numbers increased	0%	numbered R1 to R12 (excluding temporary storage) R13-Storage of waste pending any of the operations		
	INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20- MUNICIPAL WASTES					increased customer		numbered R1 to R12 (excluding temporary storage) R13-Storage of waste pending any of the operations		
	INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND					increased customer		numbered R1 to R12 (excluding temporary storage) R13-Storage of waste pending any of the operations		
	INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL,					increased customer		numbered R1 to R12 (excluding temporary storage) R13-Storage of waste pending any of the operations		
	INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND					increased customer numbers		numbered R1 to R12 (excluding temporary storage) R13-Storage of waste pending any of the operations		
	INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20 - MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20 - MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES)					increased customer numbers		numbered R1 to R12 (excluding temporary storage) R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
200139	INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20- MUNICIPAL WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES INCLUDING SEPARATELY	nicipal Plastic	0.50	0	100%	increased customer numbers	100%	numbered R1 to R12 (excluding temporary storage) R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) R13-Storage of waste pending any of the operations		
	INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS MUT			0		increased customer numbers		numbered R1 to R12 (excluding temporary storage) R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) R13-Storage of waste pending any of the operations		
200139	INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20- MUNICIPAL WASTES WALTON TO THE COLLECTED FRACTIONS 20- MUNICIPAL WASTES WALTON TO THE COLLECTED FRACTIONS 20- MUNICIPAL WASTES	nicipal Plastic	0.50	0	100%	increased customer numbers	100%	numbered R1 to R12 (excluding temporary storage) R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) R13-Storage of waste pending any of the operations		
200139	INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND	nicipal Plastic	0.50	0	100%	increased customer numbers	100%	numbered R1 to R12 (excluding temporary storage) R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) R13-Storage of waste pending any of the operations		
200139	INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20 - MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20 - MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS UNSTITUTIONAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, SEPARATELY COLLECTED FRACTIONS 400 SIMILAR COMMERCIAL SIMILAR COMMERCIAL SIMILAR COMMERCIAL SIMILAR COMMERCIAL SIMILAR COMMERCIAL	nicipal Plastic	0.50	0	100%	increased customer numbers	100%	numbered R1 to R12 (excluding temporary storage) R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) R13-Storage of waste pending any of the operations		
200139	INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND LONG SEPARATELY COLLECTED FRACTIONS MULTURINAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND SIMILAR COMMERCIAL, INDUSTRIAL AND	nicipal Plastic	0.50	0	100%	increased customer numbers	100%	numbered R1 to R12 (excluding temporary storage) R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) R13-Storage of waste pending any of the operations		
200139	INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20 - MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS 20 - MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS UNSTITUTIONAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, SEPARATELY COLLECTED FRACTIONS 400 SIMILAR COMMERCIAL SIMILAR COMMERCIAL SIMILAR COMMERCIAL SIMILAR COMMERCIAL SIMILAR COMMERCIAL	nicipal Plastic	0.50	0	100%	increased customer numbers	100%	numbered R1 to R12 (excluding temporary storage) R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage) R13-Storage of waste pending any of the operations		

WASTE SUM	MMARY				Lic No:	W0222-01		Year	2015		
		20- MUNICIPAL WASTES									
		(HOUSEHOLD WASTE AND									
		SIMILAR COMMERCIAL,									
		INDUSTRIAL AND									
		INSTITUTIONAL WASTES)									
		INCLUDING SEPARATELY							R13-Storage of waste pending any of the operations		
	200301	COLLECTED FRACTIONS	Commercial Mixed Dry Recyclables	1456.01	177.76	88%	new customer	30%	numbered R1 to R12 (excluding temporary storage)		
	1	20- MUNICIPAL WASTES									
		(HOUSEHOLD WASTE AND									
		SIMILAR COMMERCIAL,									
		INDUSTRIAL AND									
		INSTITUTIONAL WASTES)					increased				
		INCLUDING SEPARATELY					customer		R13-Storage of waste pending any of the operations		
	200301	COLLECTED FRACTIONS	Commercial Mixed Municipal Waste	20581 22	2745.53	87%	numbers	20%	numbered R1 to R12 (excluding temporary storage)		
	1	20- MUNICIPAL WASTES									
		(HOUSEHOLD WASTE AND									
		SIMILAR COMMERCIAL,									
		INDUSTRIAL AND									
							increased				
		INSTITUTIONAL WASTES)					increased		013 64		
	200201	INCLUDING SEPARATELY	Daniel Miller d Dan Daniel de la	11.00	2200.00	1012227	customer	750/	R13-Storage of waste pending any of the operations		
	200301	COLLECTED FRACTIONS	Domestic Mixed Dry Recyclables	11.86	2280.88	-19132%	numbers	75%	numbered R1 to R12 (excluding temporary storage)	10	
		20- MUNICIPAL WASTES			1						
		(HOUSEHOLD WASTE AND			1	l					
		SIMILAR COMMERCIAL,			1	l					
		INDUSTRIAL AND									
		INSTITUTIONAL WASTES)					increased				
		INCLUDING SEPARATELY					customer		R13-Storage of waste pending any of the operations		
	200301	COLLECTED FRACTIONS	Domestic Mixed Municipal Waste	5123.99	6200.73	-21%	numbers	25%	numbered R1 to R12 (excluding temporary storage)	15	
		20- MUNICIPAL WASTES									
		(HOUSEHOLD WASTE AND									
		SIMILAR COMMERCIAL,									
		INDUSTRIAL AND									
		INSTITUTIONAL WASTES)									
		INCLUDING SEPARATELY							R13-Storage of waste pending any of the operations		
	200303	COLLECTED FRACTIONS	Street-Cleansing residues	1668.79	1781.24	-7%		0%	numbered R1 to R12 (excluding temporary storage)		
		20- MUNICIPAL WASTES									
		(HOUSEHOLD WASTE AND									
		SIMILAR COMMERCIAL,									
		INDUSTRIAL AND									
		INSTITUTIONAL WASTES)									
		INCLUDING SEPARATELY							R13-Storage of waste pending any of the operations		
	200306	COLLECTED FRACTIONS	Waste from Sewage Cleaning	193.26	0	100%	new customer	0%	numbered R1 to R12 (excluding temporary storage)		
	200300	20- MUNICIPAL WASTES	waste from Sewage cleaning	133.20		10070	new customer	0/0	numbered K1 to K12 (excluding temporary storage)		
		(HOUSEHOLD WASTE AND									
					1						
		SIMILAR COMMERCIAL,			1						
		INDUSTRIAL AND			1						
		INSTITUTIONAL WASTES)			1	l	increased		013 Channel of words area!"		
		INCLUDING SEPARATELY		2240	07.55		customer		R13-Storage of waste pending any of the operations		
	200307	COLLECTED FRACTIONS	Commercial Bulky Waste	3219.64	87.53	97%	numbers	0%	numbered R1 to R12 (excluding temporary storage)	25	
	1	20- MUNICIPAL WASTES			1	l					
		(HOUSEHOLD WASTE AND			1						
		SIMILAR COMMERCIAL,			1						
		INDUSTRIAL AND			1	l					
		INSTITUTIONAL WASTES)			1	l	increased				
		INCLUDING SEPARATELY			1		customer		R13-Storage of waste pending any of the operations		
	200307	COLLECTED FRACTIONS	Domestic Bulky Waste	1264.96	284.87	77%	numbers	0%	numbered R1 to R12 (excluding temporary storage)		
					1						
		01-WASTE RESULTING FROM			1						
		EXPLORATION, MINING,			1						
		QUARRYING, AND PHYSICAL			1						
		AND CHEMICAL TREATMENT			1				R13-Storage of waste pending any of the operations		
	010413	OF MINERALS	Waste from Stone Cutting	13.14	0	100%	new customer	0%	numbered R1 to R12 (excluding temporary storage)		
		AGRICULTURE.									-
		HORTICULTURE.			1						
		AQUACULTURE, FORESTRY,			1						
		HUNTING AND FISHING,	Makada da faran eka Daia da		1				013 (************************************		
	020501		Materials from the Dairy Industry	4.55	_	1000/		201	R13-Storage of waste pending any of the operations		
	020501	FOOD PREPARATION AND	unsuitable for consumption or processing	4.56	- 0	100%	new customer	0%	numbered R1 to R12 (excluding temporary storage)		
		03- WASTES FROM WOOD			1						
		PROCESSING AND THE			1						
		PRODUCTION OF PANELS			1						
		AND FURNITURE, PULP,	Sawdust, shavings, cuttings, wood, particle		1				R13-Storage of waste pending any of the operations		
	030105		board and veneer	4.14	0	100%	new customer	00/	numbered R1 to R12 (excluding temporary storage)		

WASTE SUMMARY			Lic No:	W0222-01	Year	2015	
	i i						

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

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

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

- 6 Does your facility have relevant nuisance controls in place?
- 7 Do you have an odour management system in place for your facility? If no why? 8 Do you maintain a sludge register on site?

SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY

Table 2 Waste type and tonnage-landfill only

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

Yes	Yes. Fire water retention wall scheduled to be built in June 2016
Yes	
Yes	
Yes Yes N/A	
N/A	

Table 3 General information-Landfill only

Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public	non- hazardou	Predicted date to cease landfilling	Licence permits asbestos	Is there a separate cell for asbestos?		Lined disposal area occupied by waste	Unlined area	Comments on liner type
						6			SELECT UNIT	SELECT UNIT	SELECT UNIT	
cell 8												

WASTE SUMMARY Lic No: W0222-01

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

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

Table 5 Capping-Landfill only

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

*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	Specify	
leachate in				Leachate		type of	
reporting		Leachate (COD) mass load		(Chloride) mass	treatmen	leachate	
year(m3)	Leachate (BOD) mass load (kg/annum)	(kg/annum)	Leachate (NH4) mass load (kg/annum)	load kg/annum	t on-site	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&Trea ted by LFG			Was surface emissions monitoring	
System m3	Power generated (MW / KWh)	Used on-site or to national grid	performed during the reporting year?	Comments
			SELECT	



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

Guidance to completing the PRTR workbook

PRTR Returns Workbook

REFERENCE YEAR 2015

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	
Coordinates of Location	
River Basin District	IEEA
NACE Code	3832
	Recovery of sorted materials
AER Returns Contact Name	
AER Returns Contact Email Address	
AER Returns Contact Position	Environmental Compliance Officer
AER Returns Contact Telephone Number	
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	
Production Volume	
Production Volume Units	0
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	
User Feedback/Comments	n/a
Web Address	

2. PRTR CLASS ACTIVITIES

2. FRIR CLASS ACTIVITIES						
Activity Number	Activity Name					
50.1	General					
	Installations for the disposal of non-hazardous waste					
	General					

3. SULVENTS REGULATIONS (S.I. No. 543 of 200	J2)
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

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

31/03/2016 14:59

31/03/2016 14:59

SECTION A: SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR				Please enter all quantities in this section in KGs						
POLLUTANT			-	METHOD						
		Method Used								
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Yea	r 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						in this section in KG	is	
POLLUTANT			ME	THOD	QUANTITY			
		Method Used						
No. Annex II	Name	M/C/E Me	lethod 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 PIE					Please enter all quantities	in this section in KG	Ss	
POLLUTANT			ME	THOD	QUANTITY			
		Method Used						
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:

Advanced Environmental Solutions (Ireland) Limited

Landfill:	(Lusk)				_	
Please enter summary data on the quantities of methane flared and / or utilised			Met	hod Used		
				Designation or	Facility Total Capacity	
	T (Total) kg/Year	M/C/E	Method Code	Description	m3 per hour	
Total estimated methane generation (as per						
site model)	0.0				N/A	
Methane flared	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 = b >	0.0				ALLA	

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	31/03/2016 15:13
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SE	CTION A : SECTOR SPECIFIC PRTR POLL	UTANTS	Data on an	mbient monitoring of	f storm/surface water or groundwa	ater, conducted as part of your	icence requirements, shou	ld NOT be submitted under AEI	R / PRTR Reporting as this	only concerns Releases from your facil		
		RELEASES TO WATERS		Please enter all quantities in this section in KGs								
	POL				QUANTITY							
					Method Used							
	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			

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

SECTION B	REMAINING F	PRTR POLI	UTANTS

	RELEASES TO WATERS				Please enter all quantities	s in this section in KG	s	
	POLLUTANT						QUANTITY	
				Method Used				
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

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

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

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

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

Link to previous years emissions data

SECTION A : PRTR POLLUTANTS

SECTION A: PRIR POLLUTANTS						_		
OFFSITE TRAN	SFER OF POLLUTANTS DESTINED FOR WASTE-W	Please enter all quantities	in this section in KGs					
PO	LLUTANT		METH	IOD			QUANTITY	
			Me	ethod Used				
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Yea	r 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 POLLUTANT EMISSIONS (as required in your Licence)

SECTION B: REMAINING POLLUTANT EMIS	CTION B: REMAINING POLLUTANT EMISSIONS (as required in your Licence)											
OFFSITE TRAN	SFER OF POLLUTANTS DESTINED FOR WASTE-W	Please enter all quantities	in this section in KGs									
PO	LLUTANT		METHO	D			QUAN'	TITY				
			Met	hod Used								
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Acc	idental) KG/Year	F (Fugitive) KG/Year			
					0.0)	0.0	0.0	0.0			

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

4.4 RELEASES TO LAND SECTION A : PRTR POLLUTANTS	Link to previous years emissions data	PRTR# : VI	V0222 Facility Name :	Advanced Environmental Solutions (Ireland) L	Limited (Lusk) Filename : W022	2_2015.xls Return Year : 201	5 3	31/03/2016 15:14
	RELEASES TO LAND				Please enter all quantit	ies in this section in K	Gs	
	POLLUTANT		1	METHOD			QUANTITY	•
				Method Used				
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accident	al) KG/Year
						0.0	0.0	0.0
	* Select a row by double-clicking on the Pollutant Name (Colum	n B) then click the	e delete button					

SECTION B. REMAINING	OLLOTANT EMISSIONS (as required in your Lit	cence)					
	RELEAS		Please enter all quantities	in this section in KC	is		
	POLLUTANT		METHOD				
			Me	thod Used			
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
					0.0	<u> </u>	0.0 0.0

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

-				r lease effici	all quantities on this sheet in Tonnes								აყ
										Haz Waste : Name and			
										Licence/Permit No of Next			
				Quantity						Destination Facility Non Haz Waste: Name and	Haz Waste: Address of Next Destination Facility	Name and License / Permit No. and Address of Final Recoverer /	Actual Address of Final Destination
				(Tonnes per						Licence/Permit No of	Non Haz Waste: Address of	Disposer (HAZARDOUS WASTE	i.e. Final Recovery / Disposal Site
				Year)				Method Used		Recover/Disposer	Recover/Disposer	ONLY)	(HAZARDOUS WASTE ONLY)
						Waste							
		European Waste				Treatment			Location of				
1	ransfer Destination	Code	Hazardous		Description of Waste	Operation	M/C/E	Method Used	Treatment				
										Oristown Auto Recyclers	Oristown ,"." ,Kells ,Co.		
V	ithin the Country	16 01 03	No	44.18	end-of-life tyres	R13	M	Weighed	Offsite in Ireland	Ltd,WFP-MH-0001-01	Meath ,Ireland		
										Wilton Waste Recycling	Kiffagh ,Crosserlough		
V	ithin the Country	16 01 03	No	4.14	end-of-life tyres	R13	M	Weighed	Offsite in Ireland	Ltd,WFP-CN-10-0005-01	,".",Co. Cavan,Ireland		
					cables other than those mentioned in 17					Wilton Waste Recycling	Kiffagh ,Crosserlough		
V	ithin the Country	17 04 11	No	22.22	9 04 10 soil and stones other than those mentioned	R4	M	Weighed	Offsite in Ireland	Ltd,WFP-CN-10-0005-01 Damien Fitzsimons.WFP-	,".",Co. Cavan,Ireland		
	lithin the Country	47.0F.04	Nie	1424 10		R5	М	Mainhad	Offsite in Ireland		Harristown ,".",Navan ,Co. Meath .Ireland		
٧	lithin the Country	17 05 04	No	1424.19	mixed construction and demolition wastes	Ko	IVI	Weighed	Offsite in freiand	MH-10-0004-01	weath ,ireland		
					other than those mentioned in 17 09 01, 17					Nurendale Ltd TA Panda	Rathdrinagh ,Beauparc		
v	/ithin the Country	17 09 04	No	208 92	99 02 and 17 09 03	R5	M	Weighed	Offsite in Ireland	Waste Services,W0140-03	,Navan ,Co. Meath,Ireland		
v	the country	55 64		200.32	00 02 4.12 17 00 00			o.gricu	O. Sito in notariu	Wilton Waste Recycling	Kiffagh ,Crosserlough		
٧	/ithin the Country	19 12 02	No	1648.56	ferrous metal	R4	M	Weighed	Offsite in Ireland	Ltd,WFP-CN-10-0005-01	,".",Co. Cavan,Ireland		
								5		Wilton Waste Recycling	Kiffagh ,Crosserlough		
٧	ithin the Country	19 12 03	No	199.14	non-ferrous metal	R4	M	Weighed	Offsite in Ireland	Ltd,WFP-CN-10-0005-01	,".",Co. Cavan,Ireland		
	•							•			Resource Renewal Centre		
										Lenviron Ltd TA Leinster	,Clermount Park		
										Environmentals,WFP-LH-11-	,Haggardstown Dundalk		
V	ithin the Country	15 01 02	No	3.72	plastic packaging	R3	M	Weighed	Offsite in Ireland	0002-01	,Co. Louth ,Ireland		
										Thorntons Recycling Wood			
										Chipping Facility (PDM Ltd)	Oldmilltown ,Kill ,"." ,Co.		
V	ithin the Country	19 12 07	No	5099.22	wood other than that mentioned in 19 12 06	R13	M	Weighed	Offsite in Ireland	,WFP-KE-10-0061-01	Kildare, Ireland		
					other wastes (including mixtures of						Describations		
					materials) from mechanical treatment of					Midley d Wests Discount	Proudstown		
V	lithin the Country	10 12 12	No	0.0	wastes other than those mentioned in 19	D12	М	Weighod	Offsite in Ireland	Midland Waste Disposal	Road, Clonmagadden, Navan , Co. Meath, Ireland		
V	lithin the Country	19 12 12	INO	0.0	other wastes (including mixtures of	R13	IVI	Weighed	Offsite in freiand	Ltd, VVO 13 1-02	,Co. Meath, reland		
					materials) from mechanical treatment of								
					wastes other than those mentioned in 19					Drehid Waste	Killinagh Upper ,Carbury		
v	/ithin the Country	19 12 12	No	49270.59		R5	M	Weighed	Offsite in Ireland	Facility,W0201-03	,".",Kildare ,Ireland		
·	inami alo odana y			10210.00	other wastes (including mixtures of			Troignou	Onoito in notana	. domey, 11 020 1 00	, , , maaro , morarra		
					materials) from mechanical treatment of								
					wastes other than those mentioned in 19					Drehid Waste	Killinagh Upper ,Carbury		
٧	/ithin the Country	19 12 12	No	0.0	12 11	R3	M	Weighed	Offsite in Ireland	Facility,W0201-03	,".",Kildare ,Ireland		
					other wastes (including mixtures of								
					materials) from mechanical treatment of								
					wastes other than those mentioned in 19					Drehid Waste	Killinagh Upper ,Carbury		
V	ithin the Country	19 12 12	No	0.0		R5	M	Weighed	Offsite in Ireland	Facility,W0201-03	,".",Kildare ,Ireland		
					other wastes (including mixtures of						Ota-da and David		
					materials) from mechanical treatment of						Stephenstown Business		
3.4	/ithin the Country	10 12 12	No	224.94	wastes other than those mentioned in 19	R5	М	Weighed	Offeite in Iroland	Pacon Waste,P1014-01	Park,Balbriggan,.,County Meath,Ireland		
٧	riamir the Country	10 12 12	INU	224.94	other wastes (including mixtures of	113	IVI	Weighed	Onsite in heland	1 40011 11 43010,1 10 14-01	Weathingland		
					materials) from mechanical treatment of								
					wastes other than those mentioned in 19					Indaver Ireland Ltd,W0167-	Carranstown ,".",Dulleek		
٧	ithin the Country	19 12 12	No	0.0		R1	M	Weighed	Offsite in Ireland		,Co. Meath ,Ireland		
	,				other wastes (including mixtures of			5					
					materials) from mechanical treatment of								
					wastes other than those mentioned in 19					Nurendale Ltd TA Panda	Rathdrinagh ,Beauparc		
٧	ithin the Country	19 12 12	No	1777.76		R13	M	Weighed	Offsite in Ireland	Waste Services,W0140-03	,Navan ,Co. Meath,Ireland		
					other wastes (including mixtures of								
					materials) from mechanical treatment of					Thorntons Recycling Centre			
		10.10.10		4000 -	wastes other than those mentioned in 19	D.10				Padraig Thornton Waste	Killeen Road ,Ballyfermot		
V	/ithin the Country	19 12 12	No	1983.54	12 11	R13	M	Weighed	Offsite in Ireland	Disposal Ltd,W0044-02	,"." ,Dublin 10 ,Ireland		

								Wilton Waste Recycling	Kiffagh ,Crosserlough		
Within the Country	20 01 40	No	78.08 metals	R4	M	Weighed	Offsite in Ireland	Ltd,WFP-CN-10-0005-01	,".",Co. Cavan,Ireland		
								Bord na Mona PLC	Kilberry ,".",Athy ,Co.		
Within the Country	20 02 01	No	0.0 biodegradable waste	R3	M	Weighed	Offsite in Ireland	(Kilberry),W0198-01	Kildare ,Ireland		
									Proudstown		
								Midland Waste Disposal	Road, Clonmagadden, Navan		
Within the Country	20 03 01	No	4282.75 mixed municipal waste	R13	M	Weighed	Offsite in Ireland		,Co. Meath,Ireland		
								Nurendale Ltd TA Panda	Rathdrinagh ,Beauparc		
Within the Country	20 03 01	No	21.6 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Waste Services,W0140-03	,Navan ,Co. Meath,Ireland		
									Cappancure Industrial		
									Estate,Cappancure		
									Industrial		
Mithin the Country	20.02.04	No	149.42 mixed municipal waste	R13	М	Mainbad	Officita in Incland	AES Tullamore.W0104-03	Estate, Tullamore, County		
Within the Country	20 03 01	INO	149.42 mixed municipal waste	RIS	IVI	Weighed	Offsite in freiand	AES Tullamore, WU 104-03	Offally, Ireland Knockharley		
									Landfill,Knockharley		
								Greenstar Holdings	,Navan,County		
Within the Country	20 03 01	No	318,08 mixed municipal waste	D5	М	Weighed	Offeite in Ireland	Limited,W0146-02	Meath.Ireland		
Within the Country	20 03 01	NO	310.00 mixed manioipal waste	D3	IVI	Weighed	Offsite III II eland	LIIIII.CU, 140 02	Duleek,,County		
Within the Country	20 03 01	No	4327.18 mixed municipal waste	D10	М	Weighed	Offsite in Ireland	Indaver .W0167-02	Meath.Ireland		
Triamir and Country	20 00 0.		1021110 mixed manager vacto	5.0		Troignou	Onono in noidina	Thorntons Recycling Centre	Modal, il olarid		
								Padraig Thornton Waste	Killeen Road ,Ballyfermot		
Within the Country	20 03 01	No	82.44 mixed municipal waste	R3	M	Weighed	Offsite in Ireland	Disposal Ltd,W0044-02	,"." ,Dublin 10 ,Ireland		
								.,	Ballymount Cross		
								Nurendale ltd. TA Panda	".", Tallaght , Dublin 24		
Within the Country	20 03 01	No	2417.02 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Waste Services,W0039-02	,Ireland		
									Unit 7 Shepherds Drive		
									,Carnbane Industrial Estate		
								Re-Gen Waste (Ireland)	,Newry Co. Down,BT35		
To Other Countries	20 03 01	No	390.22 mixed municipal waste	R13	M	Weighed	Abroad	ltd,NI44110	6JQ,United Kingdom		
								Thorntons Recycling Centre			
								Padraig Thornton Waste	Killeen Road ,Ballyfermot		
Within the Country	20 03 07	No	373.86 bulky waste	D5	M	Weighed	Offsite in Ireland	Disposal Ltd,W0044-02	"." ,Dublin 10 ,Ireland		
									Ballymount Road		
Million the Country	45.04.00	No.	4.04 alsolis a salsolis a	D0		Martine	Official de lectered	Irish Packaging Recycling	,".",Walkinstown,Dublin 12		
Within the Country	15 01 02	No	1.64 plastic packaging	R3	М	Weighed	Offsite in Ireland		,Ireland		
								Thorntons Recycling Wood	Oldmilltown ,Kill ,"." ,Co.		
Within the Country	17.02.01	No	47.46 wood	R3	М	Weighed	Offsite in Iroland	Chipping Facility (PDM Ltd) .WFP-KE-10-0061-01	Kildare.Ireland		
Within the Country	17 02 01	INU	0.0	No.	IVI	weighed	Offsite III freiand	,VVFF-RE-10-0001-01	Kildare,ireland		
			0.0					Thorntons Recycling Centre			
								Padraig Thornton Waste	Killeen Road .Ballvfermot		
Within the Country	20 03 01	No	737,3 mixed municipal waste	R13	М	Weighed	Offsite in Ireland	Disposal Ltd,W0044-02	,"." ,Dublin 10 ,Ireland		
						gd	Onono III Irolana			HJ E⊓t⊓oven & Sons	Daney Dale Smelter, South
								Wilton Waste Recycling	Kiffagh ,Crosserlough	,BL5598IR,Darley Dale	Darley,Matlock,Derbyshire
Within the Country	16 06 01	Yes	7.95 lead batteries	R13	M	Weighed	Offsite in Ireland	Ltd,WFP-CN-15-0003-01	,".",Co. Cavan,Ireland	Smelter,South	DE4 2LP,United Kingdom

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