

SELECT

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

[guidance document link](#)

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

Table heading \*

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

Cells with red indicator in top right corner


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

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

Facility Information Summary	
AER Reporting Year	2016
Licence Register Number	W0194-02
Name of site	AES Portlaoise
Site Location	Kyletalesha, Portlaoise, Co. Laois
NACE Code	3832
Class/Classes of Activity	3rd Schedule - 6, 11, 12, 13; 4th Schedule - 2, 3, 4, 9, 11, 13
National Grid Reference (6E, 6 N)	
<p>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 <b>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.</b></p>	<p>Materials accepted to the site include commercial and domestic Mixed Municipal Waste (20 03 01) , Dry recyclables (20 03 01) and organic waste (20 01 08) from domestic collections, commercial &amp; industrial, construction and demolition wastes and bulky waste in Skips. Waste processing activities at the site consist of mechanical separation by grab machine, trommelling to remove fines materials, then ferrous metals removal using an overband magnet. Dry recyclables, organic wastes and separately collected waste streams are bulked and transferred to AES Tullamore and other waste outlets within the AES group and also to third party waste facilities. Processed wastes are sent to various waste outlets within Ireland as listed in the PRTR report. A minor incident occurred in September 2016 where there was an exceedance of the ELV for dust (350mg/m<sup>2</sup>/day) at D1 during the dust monitoring event. The elevation was suspected to be due to vegetation in the dust gauge. The EPA issued No. 2 non conformances for the site in 2016 both relating to the dust exceedance at D1.</p>

**Declaration:**

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

	<u>14th April 2017</u>
Signature Environmental Officer (or nominated, suitably qualified and experienced deputy)	Date

<b>AIR-summary template</b>	Lic No: W0194-02	Year: 2016
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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** licensed emissions and **do not complete a solvent management plan** (table A4 and A5) you do not need to complete the tables

	Additional information
No	

<b>Periodic/Non-Continuous Monitoring</b>
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- 2 Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below
- 3 Was all monitoring carried out in accordance with EPA guidance [Basic air monitoring checklist](#) note AG2 and using the basic air monitoring checklist? [AGN2](#)

Yes	
Yes	

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

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision thereof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments - reason for change in % mass load from previous year if applicable
D1	Total Particulates	3 times / year	350 mg/m <sup>2</sup> /day	100 % of values ≤ ELV	190	mg/m <sup>2</sup> /day	yes	Gravimetric		
D2	Total Particulates	3 times / year	350 mg/m <sup>2</sup> /day	100 % of values ≤ ELV	109	mg/m <sup>2</sup> /day	yes	Gravimetric		
D4	Total Particulates	3 times / year	350 mg/m <sup>2</sup> /day	100 % of values ≤ ELV	200	mg/m <sup>2</sup> /day	yes	Gravimetric		

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

<b>AIR-summary template</b>		Lic No:	W0194-02	Year	2016
<b>Continuous Monitoring</b>					

4 Does your site carry out continuous air emissions monitoring?

If yes please review your continuous monitoring data and report the required fields below in Table A2 and compare it to its relevant Emission Limit Value (ELV)

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

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

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

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

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

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

**Table A3: Abatement system bypass reporting table** [Bypass protocol](#)

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

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

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

<b>AIR-summary template</b>	Lic No: W0194-02	Year: 2016
<b>Solvent use and management on site</b>		
8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5		SELECT
<b>Table A4: Solvent Management Plan Summary</b> <b>Total VOC Emission limit value</b>		<a href="#">Solvent regulations</a> Please refer to linked solvent regulations to complete table 5 and 6
Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and fugitive)
		SELECT
		SELECT
<b>Table A5: Solvent Mass Balance summary</b>		
	(I) Inputs (kg)	(O) Outputs (kg)
Solvent	(I) Inputs (kg)	Organic solvent emission in waste
		Solvents lost in water (kg)
		Collected waste solvent (kg)
		Fugitive Organic Solvent (kg)
		Solvent released in other ways e.g.
		Solvents destroyed onsite
		Total emission of Solvent to air (kg)
		Total

**AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)** Lic No: W0194-02 Year 2016

Additional information

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

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

No	There were no discharges to storm water in 2016. All storm water was tankered off site for treatment in a wastewater treatment plant.
Yes	

**Table W1 Storm water monitoring**

Location reference	Location relative to site activities	PRTR Parameter	Licensed Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	

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

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

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

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

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

4 Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box

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

No	Additional information
Yes	

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

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

5 If yes please summarise your continuous monitoring data below in table W4 and compare it to the annual monitoring data in table W1

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

7 Did you have a reactive service contract for each piece or continuous monitoring equipment?

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

SELECT	
SELECT	
SELECT	

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

reference no:	released to	Parameter/Substance	values in licence	Period	Criteria	measurement	reporting year (kg)	% change +/- from previous reporting	Equipment	exceedences in	Comments
	SELECT	SELECT		SELECT	SELECT	SELECT					
	SELECT	SELECT		SELECT	SELECT	SELECT					

<b>AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)</b>				Lic No:	W0194-02	Year	2016
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note 1: Volumetric flow shall be included as a reportable parameter.

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

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

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

**Bund testing**

dropdown menu click to see options

**Additional information**

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

Yes	
3 years	Diesel Tank was installed in 2015, due for testing 2018,
Yes	
1	Green Diesel bund plus 2 mobile oil bunds
0	due for testing 2017
2	Oil bunds
No	
0	due for testing 2017
n/a	
n/a	
Yes	
Yes	
N/A	

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

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

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

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

Bund/Containment structure ID	Type	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
Bund 1	prefabricated		Green Diesel			SELECT			SELECT	SELECT		SELECT		
	SELECT					SELECT			SELECT	SELECT		SELECT		

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

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

[bundling and storage guidelines](#)

Commentary	
Yes	
Yes	
Yes	

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

**Pipeline/underground structure testing**

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

Yes	
3 years	Scheduled for Completion in July 2017

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

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

Structure ID	Type system	Material of construction:	Does this structure have Secondary containment?	Type of secondary containment	Type integrity testing	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
Storm water pipeline	Storm	Mix (concrete & PVC Pipeline)	Yes	Pipe in channel	CCTV	Yes	Pass				SELECT
Storm water interceptors	Storm	Concrete	No	select							
Leachate Tank	Process	concrete	No	select	CCTV	Yes	Pass				SELECT
leachate pipeline	Process	pvc	Yes	Pipe in channel	CCTV	Yes	Pass				
Foul pipeline	Foul	pvc	Yes	Pipe in channel	CCTV	Yes	fail	Small hole found in foulwater pipe	Civil works sheculed for completion end July 2017	TBC	SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT				SELECT

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



**Groundwater/Soil monitoring template** Lic No: W0194-02 Year 2016

		Comments		
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	no	Please provide an interpretation of groundwater monitoring data in the interpretation box below or if you require additional space please include a groundwater/contaminated land monitoring results interpretaion as an additional section in this AER	
2	Are you required to carry out soil monitoring as part of your licence requirements?	no		
3	Do you extract groundwater for use on site? If yes please specify use in comment section	no		
4	Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is there an upward trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below. <a href="#">Groundwater monitoring template</a>	no	Please enter interpretation of data here	
5	Is the contamination related to operations at the facility (either current and/or historic)	SELECT		NOT APPLICABLE
6	Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	SELECT		NOT APPLICABLE
7	Please specify the proposed time frame for the remediation strategy	SELECT		NOT APPLICABLE
8	Is there a licence condition to carry out/update ELRA for the site?	SELECT		NOT APPLICABLE
9	Has any type of risk assesment been carried out for the site?	SELECT		NOT APPLICABLE
10	Has a Conceptual Site Model been developed for the site?	SELECT		NOT APPLICABLE
11	Have potential receptors been identified on and off site?	SELECT		NOT APPLICABLE
12	Is there evidence that contamination is migrating offsite?	SELECT		NOT APPLICABLE

**Table 1: Upgradient Groundwater monitoring results**

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

.\* where average indicates arithmetic mean

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

**Table 2: Downgradient Groundwater monitoring results**

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

Groundwater/Soil monitoring template		Lic No:	W0194-02	Year	2016
<p>*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.</p>			<p><a href="#">Groundwater monitoring template</a></p>		
<p>More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance (see the link in G31)</p>			<p><a href="#">Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites (EPA 2013).</a></p>		
<p>**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)</p>			<p> <a href="#">Groundwater</a> <a href="#">Drinking water</a>  <a href="#">Surface</a> <a href="#">regulations</a> <a href="#">(private supply)</a> <a href="#">Drinking water (public</a> <a href="#">Interim Guideline</a>  <a href="#">water EQS</a> <a href="#">GTV's</a> <a href="#">standards</a> <a href="#">supply) standards</a> <a href="#">Values (IGV)</a> </p>		

**Groundwater/Soil monitoring template**

Lic No:

W0194-02

Year

2016

**Table 3: Soil results**

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

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

**Environmental Liabilities template**

Lic No:

W0194-02

Year

2016

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

		<b>Commentary</b>	
1	ELRA initial agreement status	Submitted and agreed by EPA	
2	ELRA review status		
3	Amount of Financial Provision cover required as determined by the latest ELRA	€690,109.00	
4	Financial Provision for ELRA status	Submitted and not agreed by EPA;	
5	Financial Provision for ELRA - amount of cover	€690,109.00	
6	Financial Provision for ELRA - type	Other please specify	PCG
7	Financial provision for ELRA expiry date	Enter expiry date	Under Review with the Agency
8	Closure plan initial agreement status	Closure plan submitted and agreed by EPA	
9	Closure plan review status		
10	Financial Provision for Closure status	Submitted and not agreed by EPA;	
11	Financial Provision for Closure - amount of cover	Specify	€81,156.90
12	Financial Provision for Closure - type	Other please specify	PCG
13	Financial provision for Closure expiry date	Enter expiry date	Under Review with the Agency

Environmental Management Programme/Continuous Improvement Programme template		Lic No:	W0194-02	Year	2016
Highlighted cells contain dropdown menu click to view		Additional Information			
1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	Yes	Incorporating Environmental (to ISO 14001:2004), Health and Safety (OHSAS 18001) and Quality (ISO 9002:2000). These management systems are maintained through on site cooperation with the environmental officers and dedicated systems		
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes	Yes, an aspects register is maintained onsite and updated on an annual review basis.		
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	Yes Environmental objectives and targets are set on an annual basis and progress against targets is reviewed quarterly.		
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	Yes	A file is available to view by members of the public and the facility if requested.		

#### Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Waste reduction/Raw material usage efficiency	Diversion of biodegradable waste from landfill	100	Rollout of brown bins in the following areas by July 2016; Ballylinan, Ballymore Eustace, Dunlavin, Durrow, Johnstown Bridge, Rathdowney.	Section Head	Increased compliance with licence conditions
Reduction of emissions to Water	To reduce the loading of suspended solids within the storm water network	15	Prepare SEW to Construct 2 No. Constructed Wetlands as per Planning Permission Granted in 2016	Individual	Installation of infrastructure
Energy Efficiency/Utility conservation	To reduce the energy consumed in running the facility	100	install LED lighting in the processing sheds to reduce energy consumption	Individual	Improved Environmental Management Practices
Waste reduction/Raw material usage efficiency	Reduce diesel consumption by another 5% in 2017	100	Route Optimisation for Waste collection routes in Co Laois, Carlow, North Kildare and South Kildare	Section Head	Reduced emissions
Materials Handling/Storage/Bunding	Improve yard cleanliness	100	Bay 2 - change of shutter doors to wall panels and infilling of pedestrian door - tendering in process	Section Head	Installation of infrastructure
Materials Handling/Storage/Bunding	Improve fire safety and pest control	50	Bay 1 - lining of walls - tendering in process	Section Head	Installation of infrastructure
Materials Handling/Storage/Bunding	Improve coverage inside waste storage area	50	Bay 2 - cover rebar - tendering in process	Section Head	Installation of infrastructure
Materials Handling/Storage/Bunding	Reduce wear on concrete surface	100	Purchase wheeled grab machine	Section Head	Increased compliance with licence conditions
SELECT		SELECT		SELECT	SELECT
SELECT		SELECT		SELECT	SELECT
SELECT		SELECT		SELECT	SELECT

**Noise monitoring summary report**      Lic No: W0194-02      Year 2016

1 Was noise monitoring a licence requirement for the AER period?  
If yes please fill in table N1 noise summary below

Yes

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

[Noise Guidance note NG4](#)

Yes

3 Does your site have a noise reduction plan

No

4 When was the noise reduction plan last updated?

Enter date

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

Yes

Noise monitoring locations were reviewed in 2016 and a proposal was approved by the Agency to move the noise monitoring locations to more accurately reflect NSL modifications

**Table N1: Noise monitoring summary**

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA <sub>eq</sub>	LA <sub>90</sub>	LA <sub>10</sub>	LA <sub>max</sub>	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is site compliant with noise limits (day/evening/night)?
21/12/2016 & 10/01/17	30 Mins	N1		52-23	54-55	49	63-71	No	No	Site – Activity in reception shed JCB 426 loading shovel. Movement of traffic on site. Reversing tones of machinery. Road sweeper in operation. Employees shouting. Compressor in operation. Beeping to gain access at front gate. Squeaking of conveyor belts barely audible at times Background – Rd. traffic occasionally audible in the distance.	Yes
21/12/2016 & 10/01/18	30 Mins	N2		52-53	54-55	58-50	64-70	No	No	Site –Traffic movement around the site. Squeaking of conveyor belts barely audible at times. Yard sweeper in operation. Background –Rd. traffic faintly audible. Birds singing, Crows overhead. Trees rustling in wind.	Yes
21/12/2016 & 10/01/19	30 Mins	N3		53-54	55-56	44-48	73-81	No	No	Site –Traffic entering/exiting site (40m). Activity in reception shed (JCB). Road sweeper in operation. Idle engines at front gate. Facility gates opening and closing. Background – Traffic on adjacent Country Road (5m) and main Mountmellick to Tullamore Rd. Birds singing, crows overhead.	Yes
21/12/2016 & 10/01/20	30 Mins	N4		53-55	55-58	41-45	73-75	No	No	Site –Traffic entering / exiting site (5m). Gate opening and closing. Idle engines in yard. Vehicles beeping to enter site. Background – Medium traffic on adjacent Country Road (5m) Lmax. Traffic on Mountmellick to Tullamore road occasionally faintly audible. Background roar of M7. Birds singing, crows overhead.	Yes
21/12/2016 & 10/01/21	30 Mins	NSL	NSL	48-56	51-54	43-44	69-82	No	No	faintly audible during periods of low traffic. Alarm announcement of gate audible. Background –Traffic on nearby Country Road (5-10m) – dominant. Traffic on Mountmellick to Portlaoise Rd. Tractor idling near dwellings. Livestock SPL's from nearby shed. Horn beep during car passing (R1) felt to cause exceedance	Yes


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

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

SELECT

** please explain the reason for not taking action/resolution of noise issues?
Any additional comments? (less than 200 words)

## Resource Usage/Energy efficiency summary

Lic No:

W0194-02

Year

2016

## Additional information

1 When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below

Enter date of audit	
Yes	
No	

2 Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI programme linked to the right? If yes please list them in additional information

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

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

Table R1 Energy usage on site				
Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	8716.706	8409.341		
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	125.52	98		
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)	844.84075	817.32135		
Natural gas (m3)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

## Conversion

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

	2015	2016
<b>DERV</b>	800526.75	778944.35 ltrs
<b>Gas Oil</b>	44314	38377 ltrs
	8140.556521	7921.085095 kwh
	450.629066	390.255713 kwh
	8591.185587	8311.340808

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

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

Table R2 Water usage on site					Water Emissions	Water Consumption	
Water use	Water extracted Previous year m3/yr.	Water extracted Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Volume Discharged back to environment(m <sup>3</sup> /yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:
Groundwater							
Surface water							
Public supply							
Recycled water							
Total							

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

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

Table R3 Waste Stream Summary					
	Total	Landfill	Incineration	Recycled	Other
Hazardous (Tonnes)					
Non-Hazardous (Tonnes)					



<b>Resource Usage/Energy efficiency summary</b>	Lic No: W0194-02	Year	2016
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Table R4: Energy Audit finding recommendations								
Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
			SELECT					
			SELECT					
			SELECT					

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

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

**Complaints and Incidents summary template** Lic No: W0194-02 Year 2016

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

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

Incidents		Additional information
Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 2 below		Yes

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

Date of occurrence	Incident nature	Location of occurrence	Incident category* please refer to guidance	Receptor	Cause of incident	Other cause(please specify)	Activity in progress at time of incident	Communi cation	Occurrence	Corrective action<20 words	Preventative action <20 words	Resolution status	Resolution date	Likelihood of reoccurrence
16/09/2016	Breach of ELV	Licensed discharge point (D1)	1. Minor	Air	Not related to site	Leaves in Dust gau	Normal activities	EPA	New			Complete		Low
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
Total number of incidents current year			1											
Total number of incidents previous year			1											
% reduction/ increase			0											

WASTE SUMMARY		Lic No:	W0194-02	Year	2016
SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES		PRTR facility logon		dropdown list click to see options	

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

Were any wastes accepted onto your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility?; (waste generated within your 1 boundaries is to be captured through PRTR reporting)

If yes please enter details in table 1 below

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

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

Additional Information	
Yes	65000** revised planning granted 2016
No	
No	

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

Licensed annual tonnage limit for your site (total tonnes/annum)	EWC code	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which applies to relevant EWC code	Quantity of waste accepted in current reporting year (tonnes)	Quantity of waste accepted in previous reporting year (tonnes)	Reduction/ increase over previous year +/- %	Reason for reduction/ increase from previous reporting year	Packaging Content (%) - only applies if the waste has a packaging component	Disposal/Recovery or treatment operation carried out at your site and the description of this operation	Quantity of waste remaining on site at the end of reporting year (tonnes)	Comments -
65000** revised planning granted 2016	15 01 01	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Paper and cardboard packaging	287.7	243.56	15%		100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	15 01 02	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	plastic packaging	105.16	103.82	1%		100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	15 01 03	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Wooden packaging	22.9	38.26	-67%		100%	R3-Recycling/reclamation or organic substances which are not used as solvents/including		
	15 01 04	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Metallic packaging	26.88	25.66	5%		100%	R4- Recycling/reclamation of metals and metal compounds		
	15 01 06	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Mixed Packaging	247.12	0	100%	new waste stream	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary		
	15 01 07	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Glass Packaging	10.94	29.3	-168%	Waste Stream sent directly to third party processing	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary		
	16 01 03	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	End-of-Life Tyres	23.06	20.72	10%		0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary		
	16 03 06	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	Non-hazardous Organic wastes (off specification batches and unused	0	0.04		Waste Stream sent directly to third party processing	0%			
	17 01 01	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Concrete C&D	0	9.9	#DIV/0!	new waste stream	0%			
	17 01 02	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Bricks	48.42	60	-24%	diverted to more appropriate facility	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary		
	17 01 07	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixture of concrete, bricks, tiles and ceramics	46.42	0	100%	new waste stream	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary		
	17 02 01	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Wood from C&D sources	80.5	65.16	19%	diverted to more appropriate facility	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary		
	17 02 02	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Glass from C&D sources	21.8	20.14	8%	diverted to more appropriate facility	0%	R5-Recycling/reclamation or other inorganic materials which includes soil celaning resuling in		
	17 04 07	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixed C&D Metals	188.74	77.6	59%	increased C&D activity	0%	R4- Recycling/reclamation of metals and metal compounds		

WASTE SUMMARY			Lic No:		W0194-02		Year		2016		
	17 05 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Soil and Stones	8.5	0	100%	new waste stream	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	17 06 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Insulation Materials	1.02	0	100%	new waste stream	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	17 08 02	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Gypsum based construction materials other than those	0	6.76	#DIV/0!	new waste stream	0%			
	17 09 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixed Construction & Demolition wastes (non-hazardous)	938.86	572.624	39%	increased C&D activity	0%	R12-Exchange of waste for submission to any of the operations numbered R1 to R11		
	18 01 04	18- HAZARDOUS WASTES (INCLUDING WASTES FROM AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate RESEARCH (except kitchen and restaurant wastes not arising from immediate RESEARCH)	Non-Hazardous Healthcare Wastes	491.94	493.58	0%	No Significant Change	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	19 08 01	19- WASTES FROM OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE	Screenings (wastes from waste water treatment plants not otherwise)	16.08	11.92	26%	diverted to more appropriate facility	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	20 01 08	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Biodegradable kitchen and canteen waste	2609.1	2358.03	10%	Increased Brown Bin collection	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	20 01 38	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Municipal Wood	12.98	19.28	-49%	diverted to more appropriate facility	0%	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asanother biological transformation processes)which includes gasification and pyrolysis		
	20 01 39	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Municipal Plastic	130.9	108.14	17%	increased waste stream	75%	R3-Recycling/reclamation or organic substances which are not used as solvents(including composting asanother biological transformation processes)which includes gasification and pyrolysis		
	20 01 40	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Municipal Metals	35.33	57.12	-62%	diverted to more appropriate facility	0%	R4- Recycling/reclamation of metals and metal compounds		
	20 02 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Biodegradable wastes (from garden and Park wastes)	11.72	22.78	-94%	Waste Stream sent directly to third party processing facility	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Municipal Waste	28528.97	30142.002	-6%	No Significant Change	75%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Recyclable Waste	4632.429	4725.68	-2%	Improved segregation	75%	R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of the operations numbered R1 to R11)		
	20 03 03	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Street-Cleansing residues	331.8	354.54	-7%	Improved segregation	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	20 03 07	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Bulky Waste	872.82	572.13	34%		0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	01 04 13	01-WASTE RESULTING FROM EXPLORATION, MINING, QUARRYING, AND PHYSICAL AND CHEMICAL TREATMENT OF MINERALS	Waste from stone cutting	10.52	0	100%	new waste stream	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		



<b>WASTE SUMMARY</b>	Lic No:	W0194-02	Year	2016
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**Table 4 Environmental monitoring** [landfill Manual-Monitoring Standards](#)

Was meteorological monitoring in compliance with Landfill Directive (LD) standard in reporting year +	Was leachate monitored in compliance with LD standard in reporting year	Was Landfill Gas monitored in compliance with LD standard in reporting year	Was SW monitored in compliance with LD standard in reporting year	Have GW trigger levels been established	Were emission limit values agreed with the Agency (ELVs)	Was topography of the site surveyed in reporting year	Has the statement under 853(A)(5) of WMA been submitted in reporting year	Comments

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

**Table 5 Capping-Landfill only**

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

\*please note this includes daily cover area

**Table 6 Leachate-Landfill only**

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

SELECT
SELECT

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

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

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

**Table 7 Landfill Gas-Landfill only**

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



Environmental Protection Agency

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[Guidance to completing the PRTR workbook](#)

# PRTR Returns Workbook

Version 1.1.19

<b>REFERENCE YEAR</b>	2016
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## 1. FACILITY IDENTIFICATION

Parent Company Name	Advanced Environmental Solutions (Ireland) Limited
Facility Name	Advanced Environmental Solutions (Ireland) Limited (Laois)
PRTR Identification Number	W0194
Licence Number	W0194-02

### Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Kyletalesha & Kyleclonhobert
Address 2	Portlaoise
Address 3	
Address 4	
	Laois
Country	Ireland
Coordinates of Location	-8.5582 53.8838
River Basin District	IESE
NACE Code	3832
Main Economic Activity	Recovery of sorted materials
<b>AER Returns Contact Name</b>	Charlotte Greene
<b>AER Returns Contact Email Address</b>	charlotte.greene@bnm.ie
<b>AER Returns Contact Position</b>	Environmental Officer
<b>AER Returns Contact Telephone Number</b>	045439492
<b>AER Returns Contact Mobile Phone Number</b>	0877697465
<b>AER Returns Contact Fax Number</b>	
<b>Production Volume</b>	0.0
<b>Production Volume Units</b>	
<b>Number of Installations</b>	0
<b>Number of Operating Hours in Year</b>	0
<b>Number of Employees</b>	8
<b>User Feedback/Comments</b>	
<b>Web Address</b>	

## 2. PRTR CLASS ACTIVITIES

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

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

Is it applicable?	No
-------------------	----

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

**4. WASTE IMPORTED/ACCEPTED ONTO SITE**

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

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

[Link to previous years emissions data](#)

| PRTR# : W0194 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Laois) | Filename : W0194\_2016.xls | Return Year : 2016 |

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**SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS**

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

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

**SECTION B : REMAINING PRTR POLLUTANTS**

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

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

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

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

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

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

4.2 RELEASES TO WATERS

[Link to previous years emissions data](#)

| PRTR# : W0194 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Laois) | Filename : W0194\_2016.xls | Return Year : 2016 |

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**SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS**

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

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

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

**SECTION B : REMAINING PRTR POLLUTANTS**

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

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

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

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

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

4.3 RELEASES TO WASTEWATER OR SEWER

[Link to previous years emissions data](#)

| PRTR# : W0194 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Laois) | File name

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**SECTION A : PRTR POLLUTANTS**

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

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

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

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

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

4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

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**SECTION A : PRTR POLLUTANTS**

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

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

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

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

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : W0194 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Laois) | Filename : W0194\_2016.xls | Return Year : 2016 |

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Please enter all quantities on this sheet in Tonnes

3

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste: Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste: Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	13 05 07	Yes	0.0	oily water from oil/water separators	D8	M	Weighed	Offsite in Ireland	Enva Ireland Ltd (Portlaoise),W0184-01 Padraig Thornton Wood Chipping Facility (Pdm Ltd),WFP-KE-10-0061-01	Clonminam Industrial Estate,Portlaoise,Laois,Co Laois,Ireland	Enva Ireland Ltd,W0184-01,Clonminam Industrial Estate,Portlaoise,,Co Laois,Ireland	Clonminam Industrial Estate,Portlaoise,,Co Laois,Ireland
Within the Country	15 01 03	No	0.0	wooden packaging	R13	M	Weighed	Offsite in Ireland	Rehab Glassco,W0279-01 Oristown,WFP-MH-10-0001-01	Oldmilltown,,Kill,Co. Kildare,Ireland	Unit 4 Osberstown Industrial Park,Caragh rd,Naas,Kildare,Ireland	
Within the Country	15 01 07	No	6.1	glass packaging	R5	M	Weighed	Offsite in Ireland	Irish Water,D0059-01	Kells,,Co Meath,Ireland		
Within the Country	16 01 03	No	18.26	end-of-life tyres	R13	M	Weighed	Offsite in Ireland	Irish Water,D0041-01	Navan,,Co. Meath,Ireland		
Within the Country	16 10 02	No	0.0	aqueous liquid wastes other than those mentioned in 16 10 01	D8	M	Weighed	Offsite in Ireland	Drehid Waste Facility (landfill),W0201-03	Killinagh Upper ,,Carbury,Co. Kildare,Ireland		
Within the Country	16 10 02	No	0.0	aqueous liquid wastes other than those mentioned in 16 10 01	D8	M	Weighed	Offsite in Ireland	Drehid Waste Facility (landfill),W0201-03 Padraig Thornton Wood Chipping Facility (Pdm Ltd),WFP-KE-10-0061-01	Killinagh Upper ,,Carbury,Co. Kildare,Ireland		
Within the Country	17 01 01	No	0.0	concrete mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	R5	M	Weighed	Offsite in Ireland	A1 Metal Recycling,WFP-LS-14-0003-01	Acragar,,Mountmellick,Co. Laois,Ireland		
Within the Country	17 01 07	No	380.24	wood	R3	M	Weighed	Offsite in Ireland	Hammon Lane Metal,WFP-WM-2011-0002-01	Garrycastle,Athlone,County Westmeath,,Ireland		
Within the Country	17 02 01	No	13.0	mixed metals	R4	M	Weighed	Offsite in Ireland	Irish Water,D0059-01	Navan,,Co. Meath,Ireland		
Within the Country	17 04 07	No	0.0	landfill leachate other than those mentioned in 19 07 02	D8	M	Weighed	Offsite in Ireland	Irish Water,D0059-01	Navan,,Co. Meath,Ireland		
Within the Country	17 04 07	No	170.78	water	D8	M	Weighed	Offsite in Ireland	Wilton Waste Recycling Ltd,WFP-CN-10-0005-01	Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland		
Within the Country	19 07 03	No	0.0	ferrous metal	R4	M	Weighed	Offsite in Ireland	Drehid Waste Facility (landfill),W0201-03	Killinagh Upper ,,Carbury,Co. Kildare,Ireland		
Within the Country	19 08 05	No	0.0	minerals (for example sand, stones) other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R5	M	Weighed	Offsite in Ireland	Gortadroma Landfill Site Limerick Co. Co,W0017-04	Gortadroma ,,Ballyhahill,Co Limerick,Ireland		
Within the Country	19 12 02	No	0.0	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R13	M	Weighed	Offsite in Ireland	Greyhound Recycling,W0205-01	Craig Avenue,Clondalkin,Dublin 22,,Ireland		
Within the Country	19 12 02	No	322.7	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R1	M	Weighed	Offsite in Ireland	Indaver,W0167-02	Carranstown,,Duleek,Co. Meath,Ireland		
Within the Country	19 12 12	No	0.0	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R13	M	Weighed	Offsite in Ireland	Irish Packaging Recycling,W0263-01	Ballymount Rd,,Walkinstown,Dublin 12,Ireland		
Within the Country	19 12 12	No	0.0	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R13	M	Weighed	Offsite in Ireland	Advanced Environmental Solutions,W0104-03	Cappincur Industrial Estate,Cappincur ,Tullamore,Co Offaly,Ireland		
Within the Country	19 12 12	No	18093.5	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 12	D5	M	Weighed	Offsite in Ireland	Drehid Waste Facility (landfill),W0201-03	Killinagh Upper ,,Carbury,Co. Kildare,Ireland		

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)	
						M/C/E	Method Used						
Within the Country	19 12 12	No	0.0	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R1	M	Weighed	Offsite in Ireland	Glanway Limited,WFP-KK-14-0002-01	11 Patrick st,..Kilkenny,..Ireland			
Within the Country	19 12 12	No	208.56	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R12	M	Weighed	Offsite in Ireland	Thorntons Recycling Centre Padraig Thornton Waste Disposal Ltd,W0044-02	Kileen Road,..Ballyfermot,Dublin 10,Ireland			
Within the Country	19 12 12	No	0.0	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R13	M	Weighed	Offsite in Ireland	Padraig Thornton Wood Chipping Facility (Pdm Ltd),WFP-KE-10-0061-01	Oldmilltown,..Kill,Co. Kildare,Ireland			
Within the Country	19 12 12	No	0.0	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R3	M	Weighed	Offsite in Ireland	McGill Environmental Systems (In) Ltd,W0180-01	Croom,Carrignavar,Glenville ,Co. Cork,Ireland			
Within the Country	19 12 12	No	0.0	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R3	M	Weighed	Offsite in Ireland	OD Agri Ltd T/A Od Recycling,WFP-TS-10-0002-04	Ballyboe,Ballypatrick,Clonmel,Co. Tipperary,Ireland			
Within the Country	19 12 12	No	1211.16	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R3	M	Weighed	Offsite in Ireland	Enrich Environmental Ltd,WFP-08-004-001	Larch Hill,..Kilcock,Co. Meath,Ireland			
Within the Country	19 12 12	No	0.0	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R3	M	Weighed	Offsite in Ireland	O'Toole Composting Ltd,WFP-CW-14-003-05	Ballintrane,..Fenagh,Co Carlow,Ireland			
Within the Country	20 01 08	No	1010.08	biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Thorntons Kilmainhamwood,W0195-02	Kilmainhamwood,..Kells,Co. Meath,Ireland			
Within the Country	20 01 08	No	0.0	biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Thorntons Kilmainhamwood,W0195-02	Kilmainhamwood,..Kells,Co. Meath,Ireland			
Within the Country	20 01 40	No	0.0	metals	R3	M	Weighed	Offsite in Ireland	Wilton Waste Recycling Ltd,WFP-CN-10-0005-01	Kiffagh,Crosserlough,Ballyja mesduff,Co. Cavan,Ireland			
Within the Country	20 03 01	No	45.68	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Drehid Waste Facility (landfill),W0201-03	Killinagh Upper ..,Carbury,Co. Kildare,Ireland			
Within the Country	20 03 01	No	0.0	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Gortadroma Landfill Site Limerick Co. Co,W0017-04	Gortadroma ..,Ballyhahill,Co Limerick,Ireland			
Within the Country	20 03 01	No	0.0	mixed municipal waste	R1	M	Weighed	Offsite in Ireland	Indaver,W0167-02	Carranstown,..Duleek,Co. Meath,Ireland			
Within the Country	20 03 01	No	104.0	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Thorntons Recycling Centre Padraig Thornton Waste Disposal Ltd,WFP-DC-10-0021-02	Unit 51 Henry Rd,Parkwest Business Park,..,Dublin 12,Ireland			
Within the Country	20 03 01	No	0.0	mixed municipal waste	R1	M	Weighed	Offsite in Ireland	Indaver,W0167-02	Carranstown,..Duleek,Co. Meath,Ireland			
Within the Country	20 03 01	No	0.0	mixed municipal waste	R12	M	Weighed	Offsite in Ireland	Irish Packaging Recycling,W0263-01	Rd,..Walkinstown,Dublin 12,Ireland			
Within the Country	20 03 01	No	0.0	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Nurendale Ltd. T/A Panda Waste Services,W0039-02	Cross,..Tallaght,Dublin24,Irel and Cappincur Industrial Estate,Cappincur ..,Tullamore,Co Offaly,Ireland			
Within the Country	20 03 01	No	4951.81	mixed recyclable waste	R13	M	Weighed	Offsite in Ireland	Advanced Environmental Solutions,W0104-03	Killarney Waste Disposal,W0217-02	Aughacureen,..Killarney ,Co Kerry,Ireland		
Within the Country	20 03 01	No	0.0	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Advanced Environmental Solutions,131-2	Clonmagaddan,Proudstown, Navan,County Meath,Ireland			
Within the Country	20 03 03	No	95.64	street-cleaning residues	D5	M	Weighed	Offsite in Ireland	Drehid Waste Facility (landfill),W0201-03	Killinagh Upper ..,Carbury,Co. Kildare,Ireland			
Within the Country	20 03 04	No	0.0	septic tank sludge	D9	M	Weighed	Offsite in Ireland	Erva Ireland Ltd (Portlaois),W0184-01	Clonminam Industrial Estate,..Portlaois,Co Laois,Ireland			

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility	Haz Waste : Address of Next Destination Facility	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Non Haz Waste: Address of Recover/Disposer					
						M/C/E	Method Used					
Within the Country	20 03 07	No	0.0	bulky waste	D5	M	Weighed	Offsite in Ireland	Gortadroma Landfill Site Limerick Co. Co,W0017-04	Gortadroma ,,Ballyhahill,Co Limerick,Ireland		
Within the Country	17 02 01	No	112.82	wood	R13	M	Weighed	Offsite in Ireland	Starrus Ecoholdings Ltd (Fassaroe),W0053-03	Bray Depot La Vallee House,Fassaroe,Bray,Wicklow,Ireland		
Within the Country	17 04 07	No	98.56	mixed metals other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R4	M	Weighed	Offsite in Ireland	The Hammond Lane Metal Company Ltd,WFP-DC-09-0013-01	Pigeon House Road,,Ringsend,Dublin 4,Ireland		
Within the Country	19 12 12	No	648.78	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R5	M	Weighed	Offsite in Ireland	Drehid Waste Facility (landfill),W0201-03	Killinagh Upper ,,Carbury,Co. Kildare,Ireland		
Within the Country	19 12 12	No	6536.85	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R3	M	Weighed	Offsite in Ireland	Drehid Waste Facility (Compost Plant),W0201-03	Killinagh Upper ,,Carbury,Co. Kildare,Ireland		
Within the Country	19 12 12	No	24.58	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R12	M	Weighed	Offsite in Ireland	Advanced Environmental Solutions (Ireland) Ltd (Lusk),W0222-01	Coldwinters,Blakescross, Lusk,Co Dublin,Ireland		
Within the Country	19 12 12	No	569.58	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	D5	M	Weighed	Offsite in Ireland	Ballynagran Landfill Ltd,W0165-02	Ballynagran,Coolroe and Kilcandra ,,Wicklow,Ireland		
Within the Country	19 12 12	No	2891.41	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	D5	M	Weighed	Offsite in Ireland	Knockharley Landfill Ltd,W0146-02	Knockharley,,Navan,Co Meath,Ireland		
Within the Country	20 01 08	No	1348.36	biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Ballybeg Composting Facility TA Acorn Recycling,W0249-01	Ballybeg,Littleton,,Co Tipperary,Ireland		
Within the Country	20 01 08	No	25.64	biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Drehid Waste Facility (Compost Plant),W0201-03	Killinagh Upper ,,Carbury,Co. Kildare,Ireland		
Within the Country	20 01 38	No	61.32	wood other than that mentioned in 20 01 37	R12	M	Weighed	Offsite in Ireland	Clonmel Waste Disposal Ltd,WFP-TS-11-0001-01	Lawesstown,Clonmel,,Co Tipperary,Ireland		
Within the Country	20 01 40	No	8.4	metals	R4	M	Weighed	Offsite in Ireland	The Hammond Lane Metal Company Ltd,WFP-DC-09-0013-01	Pigeon House Road,,Ringsend,Dublin 4,Ireland		
Within the Country	20 01 40	No	6.2	metals	R4	M	Weighed	Offsite in Ireland	The Hammond Lane Metal Company Ltd,WFP-WH-2011-0002-01	Garrycastle,Athlone,County Westmeath,,Ireland		
Within the Country	20 03 01	No	24.22	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Knockharley Landfill Ltd,W0146-02	Knockharley,,Navan,Co Meath,Ireland		
Within the Country	20 03 07	No	17.88	bulky waste	D5	M	Weighed	Offsite in Ireland	Drehid Waste Facility (landfill),W0201-03	Killinagh Upper ,,Carbury,Co. Kildare,Ireland		
Within the Country	20 03 07	No	113.32	bulky waste	D5	M	Weighed	Offsite in Ireland	Ballynagran Landfill Ltd,W0165-02	Ballynagran,Coolroe and Kilcandra ,,Wicklow,Ireland		
Within the Country	20 03 07	No	224.32	bulky waste	D5	M	Weighed	Offsite in Ireland	Knockharley Landfill Ltd,W0146-02	Knockharley,,Navan,Co Meath,Ireland		

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