

- 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 sector
- 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 clarifications

Facility Information Summary	
AER Reporting Year	2017
Licence Register Number	W0240-01
Name of site	AES Nenagh
Site Location	Springfort Cross, Solsborough, Nenagh, Co. Tipperary
NACE Code	3821
Class/Classes of Activity	Schedule 3 - Classes 11, 12 & 13(PA) ; Schedule 4 - Classes 2, 3, 4,
National Grid Reference (6E, 6 N)	
A description of the activities/processes at the site for the reporting year. This should include information such as production increases or decreases on site, any infrastructural changes, environmental performance which was measured during the reporting year and an overview of compliance with your licence listing all exceedances of licence limits (where applicable) and what they relate to e.g. air, water, noise.	AES Nenagh acts as the principal waste transfer facility for AES in the Munster region servicing waste collections from Clare, Limerick City & County, Tipperary and some parts of Offaly. Domestic waste services include a glass bin and compost bin service in selected areas. In addition the facility operates a small civic amenity area and accepts waste from the public to the site. All wastes are received over the facility weighbridge and unloaded within the waste reception building (or the designated Civic Amenity Area). Residual wastes are bulked and sent for further treatment (Recovery) or disposal at landfill. Separately collected recyclables are transferred from AES Nenagh to AES Tullamore for processing. Similarly other separately collected fractions are sent for further processing to various waste operators in Ireland. Waste received in 2017 was within the total waste acceptance allowed under the Waste Licence. There were 3 minor dust exceedances reported to the Agency in 2017, these exceedances were not attributed to onsite work activities.

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>09/05/2018</u>
Mary Bannon Environmental Officer	Date

Answer all questions and complete all tables where relevant

Additional information

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

Yes	There were three minor dust exceedances in the 2017 Dust Monitoring results - which were attributed to the presence of small insects and solids present in the sample. The exceedances were not due to onsite work activities.
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Periodic/Non-Continuous Monitoring

2	Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of Table A1 below	Yes	
3	Was all monitoring carried out in accordance with EPA guidance note Basic air monitoring , AG2 and using the basic air monitoring checklist? checklist AGN2	Yes	

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

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision thereof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments - reason for change in % mass load from previous year if applicable
D1	Total Particulates	Quarterly	350mg/m2/day	100 % of values < ELV	272	mg/m2/day	no (if no please enter details in comments box)	Gravmetric		Exceedance of licence limit of 350mg/m2/day with a result of 369mg/m2/day & 461mg/m2/day
D2	Total Particulates	Quarterly	350mg/m2/day	100 % of values < ELV	241	mg/m2/day	no (if no please enter details in comments box)	Gravmetric		Exceedance of licence limit of 350mg/m2/day with a result of 375mg/m2/day
D3	Total Particulates	Quarterly	350mg/m2/day	100 % of values < ELV	226	mg/m2/day	yes	Gravmetric		
D4	Total Particulates	Quarterly	350mg/m2/day	100 % of values < ELV	184	mg/m2/day	yes	Gravmetric		

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

Continuous Monitoring

4	Does your site carry out continuous air emissions monitoring? If yes please review your continuous monitoring data and report the required fields below in Table 3 and compare it to its relevant Emission Limit Value (ELV)	No	
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table 3 below	No	
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	No	
7	Did your site experience any abatement system bypasses? If yes please detail them in table 4 below	No	

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 exceedances in current reporting year	Comments
	SELECT			SELECT	SELECT					
	SELECT				SELECT					
	SELECT				SELECT					
	SELECT				SELECT					
	SELECT				SELECT					

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

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

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

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

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

Solvent use and management on site

8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? If yes please fill out tables A4 and A5

SELECT

Reporting year	Total solvent input on site (kg)	Total VOC emissions from Air from entire site (direct and fugitive)	Total VOC emissions as %of solvent input	Total Emission Limit Value (ELV) in licence or any revision thereof	Compliance
					SELECT
					SELECT

Table A5: Solvent Mass Balance summary								
Solvent	(I) Inputs (kg)			(O) Outputs (kg)				
	(I) Inputs (kg)	Organic solvent emission in waste gases(kg)	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic	Solvent released in other ways e.g.	Solvents destroyed onsite through	Total emission of Solvent to air (kg)
								Total

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

Yes	Storm water from roof and yards is collected onsite through the storm water collection system and passed through an oil interceptor prior to discharging at SW1 to the local drainage network to the north of the site. Foulwater from the waste processing building and the bin wash area is collected through the foulwater collection system passed through an oil interceptor and then pumped from the foulwater collection chamber (SE1) to the mains foul sewer
Yes	No evidence of contamination was found during 2017 visual inspections

Table W1 Surface water monitoring

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

*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

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

Yes	External/Internal Lab Assessment of Quality checklist results checklist
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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	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
SE1	Wastewater/Sev	pH	composite	Monthly	Monthly	6 to 10	No pH value shall deviate from the specified range.	7.0	pH units	yes	pH Meter (Electrode)	APHA / AWWA "Standard Methods"	Method 4500 H+B		
SE1	Wastewater/Sev	COD	composite	Monthly	Monthly	3000	All values < ELV	747	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"	5220D, Closed Reflux, colourimetric method		
SE1	Wastewater/Sev	BOD	composite	Quarterly	Quarterly	1000	All values < ELV	292	mg/L	yes	Dissolved Oxygen Meter (Electrode)	APHA / AWWA "Standard Methods"	Method 5210-B		
SE1	Wastewater/Sev	Ammonia (as N)	composite	Quarterly	Quarterly	50	All values < ELV	13	mg/L	no (if no please enter details in comments box)	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"	Method 4500-CN-E		
SE1	Wastewater/Sev	Suspended Solids	composite	Monthly	Monthly	1000	All values < ELV	181	mg/L	yes	Gravimetric analysis	APHA / AWWA "Standard Methods"	2540D		
SE1	Wastewater/Sev	Hydrocarbons	composite	Quarterly	Quarterly	-	All values < ELV	0.5	mg/L	yes	GC (Gas Chromatography)				
SE1	Wastewater/Sev	Sulphate	composite	Quarterly	Quarterly	500	All values < ELV	85	mg/L	yes	Ion Chromatography	APHA / AWWA "Standard Methods"	Method 4110B.		
SE1	Wastewater/Sev	Fats, Oils and Greases	composite	Quarterly	Quarterly	100	All values < ELV	8	mg/L	yes	Gravimetric analysis	APHA / AWWA "Standard Methods"	Method 5520B		
SE1	Wastewater/Sev	Detergents (as MBAS)	composite	Quarterly	Quarterly	100	All values < ELV	1.39	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"	Method 5540C		
SE1	Wastewater/Sev	Ortho-phosphate (as P04)	composite	Quarterly	Quarterly	-	All values < ELV	4.1	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"	Method 4110B		
SW-1	Water	pH	discrete	Monthly	Monthly	6.5-9.5	No pH value shall deviate from the specified range.	7.6	pH units	yes	pH Meter (Electrode)	APHA / AWWA "Standard Methods"	Method 4500 H+B		
SW-1	Water	Conductivity	discrete	Monthly	Monthly	1000	All results < 1.2 x ELV	448	µS/cm @20oC	yes	Conductivity Meter (Electrode)	APHA / AWWA "Standard Methods"	Method 2510B		
SW-1	Water	COD	discrete	Monthly	Monthly	130	All results < 1.2 x ELV	86	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"	5220D, Closed Reflux, colourimetric method		
SW-1	Water	Ammonia (as N)	discrete	Quarterly	Quarterly	2.5	All results < 1.2 x ELV	8.70	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"	Method 4500-CN-E		
SW-1	Water	Suspended Solids	discrete	Monthly	Monthly	57	All results < 1.2 x ELV	41	mg/L	no (if no please enter details in comments box)	Gravimetric analysis	APHA / AWWA "Standard Methods"	2540D		
SW-1	Water	Mineral oils	discrete	Quarterly	Quarterly	0.01	All results < 1.2 x ELV	0.09	mg/L	no (if no please enter details in comments box)	GC (Gas Chromatography)				

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

Continuous monitoring

5 Does your site carry out continuous emissions to water/sewer monitoring?

No	Additional Information
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If yes please summarise your continuous monitoring data below in Table W4 and compare it to its relevant Emission Limit Value (ELV)

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

SELECT	
--------	--

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

SELECT	
--------	--

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

SELECT	
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Table W4: Summary of average emissions -continuous monitoring

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

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

Table W5: Abatement system bypass reporting table

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: W0240-01 Year: 2017

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

*Measures taken or proposed to reduce or limit bypass frequency

Bund testing

dropdown menu click to see options

Additional information

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

- 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?

Yes	Further bund and Integrity testing scheduled for 2018
3 years	
Yes	
7	
7	
6	
Yes	
6	
2	
0	
No	
N/A	

- 10 **Please list any sump integrity failures in table B1**
- 11 Do all sumps and chambers have high level liquid alarms?
- 12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?

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, Concrete bund for diesel tank	reinforced concrete		Road Diesel	56250	41000	Hydraulic test		26/09/2016	yes	Pass		SELECT		
Oil Bund 1	prefabricated		Hydraulic Oils	264	220	Hydraulic test		31/03/2016	yes	Pass				
Oil Bund 2	prefabricated		Hydraulic Oils	264	220	Hydraulic test		31/03/2016	yes	Pass				
Oil Bund 3	prefabricated		Hydraulic Oils	264	220	Hydraulic test		31/03/2016	yes	Pass				
Oil Bund 4	prefabricated		Hydraulic Oils	264	55	Hydraulic test		31/03/2016	yes	Pass				
Oil Bund 5	prefabricated		Hydraulic Oils	264	55	Hydraulic test		31/03/2016	yes	Pass				
Bund 6 Quarantine Zone	prefabricated		Paints, Gas Cylinders, spent oils	264	220	Hydraulic test		31/03/2016	yes	Pass				

*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

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

[bunding and storage guidelines](#)

Commentary	
Yes	
Yes	
Yes	

Pipeline/underground structure testing

Are you required by your licence to undertake integrity testing on underground structures e.g. pipelines or sumps etc ? if yes please fill out table 2 below listing all underground structures and pipelines on site which failed the integrity test

- 1 pipelines on site which failed the integrity test
- 2 Please provide integrity testing frequency period

Yes	
3 years	

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

Structure ID	Type system	Material of construction:	Does this structure have Secondary containment?	Type 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 Pipelines	Storm	Mix (please specify)	No	SELECT	CCTV	Yes	Pass				SELECT

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

Groundwater/Soil monitoring template Lic No: W0240-01 Year 2017

	Comments
1 Are you required to carry out groundwater monitoring as part of your licence requirements?	no
2 Are you required to carry out soil monitoring as part of your licence requirements?	no
3 Do you extract groundwater for use on site? If yes please specify use in comment section	no
4 Is there contaminated land and /or groundwater on site? If yes please answer q's 5-12	no
5 Is the contamination related to operations at the facility (either current and/or historic)	no
6 Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	N/A
7 Please specify the proposed time frame for the remediation strategy	N/A
8 Is there a licence condition to carry out/update ELRA for the site?	N/A
9 Has any type of risk assessment been carried out for the site?	N/A
10 Has a Conceptual Site Model been developed for the site?	N/A
11 Have potential receptors been identified on and off site?	N/A
12 Is there evidence that contamination is migrating offsite?	N/A

Table 1: Upgradient Groundwater monitoring results

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

.+ 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**	% change in average concentration previous year +/-	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
											SELECT
											SELECT

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

**Depending on location of the site and proximity to other sensitive receptors alternative Receptor based Water Quality standards should be used in addition to the GTV e.g. if the site is close to surface water compare to Surface Water Environmental Quality Standards (SWEQS), if the site is close to a drinking water supply compare results to the Drinking Water Standards (DWS)

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

Groundwater/Soil monitoring template Lic No: W0240-01 Year 2017

Table 3: Soil results

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

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

Environmental Liabilities template

Lic No:

W0240-01

Year

2017

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

			Commentary
1	ELRA initial agreement status	Submitted and agreed by EPA	
2	ELRA review status	Review required and completed	
3	Amount of Financial Provision cover required as determined by the latest ELRA	Specify	€554,291
4	Financial Provision for ELRA status	Required but not submitted	
5	Financial Provision for ELRA - amount of cover	To be agreed	
6	Financial Provision for ELRA - type	Other please specify	PCG
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan initial agreement status	Closure plan submitted and agreed by E	
9	Closure plan review status		
10	Financial Provision for Closure status	Required but not submitted	
11	Financial Provision for Closure - amount of cover	Specify	€99,246.29
12	Financial Provision for Closure - type	Other please specify	PCG
13	Financial provision for Closure expiry date	Enter expiry date	

Environmental Management Programme/Continuous Improvement Programme template		Lic No:	W0240-01	Year	2017
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			
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes			
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes			
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			

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Additional improvements	Maintenance of Integrated Management Systems and continued monitoring of Licence Compliance as outlined in Licence W0240-01	90	On-going requirement	Individual	Increased compliance with licence conditions
Groundwater protection	Zero risk to groundwater from site activities	30	All Sumps and underground tanks to be assessed for structural integrity, all scheduled for 2018.	Individual	Increased compliance with licence conditions
Energy Efficiency/Utility conservation	Roll out of SS System in AES Nenagh	90%	Roll out of 5S system in the offices, main processing building, maintenance shed and yard in Q2 & Q3 2017	Section Head	Improved Environmental Management Practices
Waste reduction/Raw material usage efficiency	Diversion of biodegradable waste from landfill	90	Roll out of brown bin collection service completed with monitoring of services to new customers/regions.	Section Head	Increased compliance with licence conditions
Energy Efficiency/Utility conservation	Implementation of ISO 50001	50	Compliance team is taking a course run by SEAI in ISO 50001 implementation. - Initial Energy Review underway. 2017 working towards Certification	Section Head	Improved Environmental Management Practices

Noise monitoring summary report

Lic No: W0240-01 Year

2017

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

Yes

If yes please fill in table N1 noise summary below

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

[Noise Guidance note NG4](#)

Yes

3 Does your site have a noise reduction plan

No

4 When was the noise reduction plan last updated?

No

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

Table N1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA _{eq}	LA ₉₀	LA ₁₀	LA _{max}	Tonal or impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is site compliant with noise limits (day/evening/night)?
10th & 11th July 2017	30 Mins	N1		56-61	44-48	57-63	73-81	No	SELECT	Site – Occasional banging of skips. Engines idling at weighbridge. Voices audible from inside waste shed. Reversing alarms and machinery continuous. Power washing trucks occasionally audible. Yard sweeper operational <10m from noise meter. Background – Traffic on surrounding roads audible continuously. Crows cawing loudly overhead. Cars and trucks exiting adjacent facility. Shovel bangs from council workers outside facility.	Yes
10th & 11th July 2017	30 Mins	N2		52-60	43-51	53-62	76-80	No		Site – Trucks idling in yard continuously Reversing beacons intermittent. Occasional banging of skips. Background – Crows cawing loudly overhead. Traffic from surrounding roads continuously audible.	Yes
10th & 11th July 2017	30 Mins	N3		57-59	45-48	60-63	73-77	No		Site – Engines idling at weighbridge and passing through yard. Reversing beacons audible from trucks and machines. Background – Crows cawing loudly overhead in rookery. Cutting tools and drilling continuously audible from adjacent yard. Traffic on Dark Rd. passing frequently.	Yes
10th & 11th July 2017	30 Mins	N4		52-55	45-48	54-58	70-76	No		Site – Occasional bang of chains as trucks enter yard. Revving of engines occasionally audible from yard. Reversing alarms audible at times. Occasional skip bang. Background – Heavy machinery and cutting tools audible from construction activity in adjacent yards Medium traffic on Kilcolman/Dark Rd. Dogs barking and crows cawing occasionally. Horn beep	Yes
10th & 11th July 2017	30 Mins		NSL-1	60-63	50-51	62-67	77-79	No		Site – Site generally inaudible apart from reversing alarms occasionally audible. Background – Heavy traffic on Limerick Rd. - Intermittently dominant. Cutting and drilling tools from construction works on adjacent dwelling. - Intermittently dominant	Yes

				49-54	43-44	51-53	69-79	No		Site – Engines idling onsite audible at times. Occasional banging of skips. Background – Continuous and heavy traffic on Limerick Rd. -Intermittently dominant Cutting tools, reversing alarms and hissing of air brakes from construction machinery. -Intermittently dominant	Yes
10th & 11th July 2017	30 Mins		NSL-2								

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

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

nothing**

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

- 1 When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below
- 2 Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI programme linked to the right? If yes please list them in additional information
- 3 Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information

Additional information	
SELECT	
SELECT	

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	3205.28	3177.60		
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	31.086	41.004		
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)	312.15529	308.463		
Natural gas (CMN)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

Conversion	2016	2017
Kerosene		0.009821 MWh/ltr
Gasoil		0.010165 kWh/ltr
Med FO		0.010786 kWh/ltr
DERV		0.010169 kWh/ltr
Petrol		0.009269 kWh/ltr
DERV	28290.29	268266
Gas Oil	29165	40197
	2877.73	2728.00
	296.46	408.60
	3174.19	3136.60

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

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

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

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

Resource Usage/Energy efficiency summary	Lic No: W0240-01	Year	2017
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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					

WASTE SUMMARY		Lic No:	W0240-01	Year	2017
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

- 1 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 site) Yes No
- 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 No Yes
- 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 No Yes

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

Licensed annual tonnage limit for your site (total tonnes/annum)	EWG code	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which applies to relevant EWG code European Waste Catalogue EWG codes	Quantity of waste accepted in current reporting year (tonnes)	Quantity of waste accepted in previous reporting year (tonnes)	Reduction/Increase over previous year +/- %	Reason for reduction/increase from previous reporting year	Packaging Content (%) - only applies if the waste has a packaging component	Disposal/Recovery or treatment operation carried out at your site and the description of this operation	Quantity of waste remaining on site at the end of reporting year (tonnes)	Comments -
24750	10 11 12	10- WASTES FROM THERMAL PROCESSES	Waste Glass	2.2	0	100%	new waste stream	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	4	
	15 01 01	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Paper and cardboard packaging	530.589	672.91	-21%	reduction in waste stream accepted to facility	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	4	
	15 01 02	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	plastic packaging	157.425	159.48	-1%	no significant change	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	417.518	354.97	18%	Increase in Commercial waste intake	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	15 01 04	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Metallic Packaging	0	1.4	-100%	Waste Stream not generated		R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	15 01 07	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Commercial Glass Packaging	247.453	421.44	-41%	improved coding practices	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	14	
	16 01 20	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	ELV Windscreen Glass	14.48	0	100%	new waste stream	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	45.48	116.9	-61%	diversion of waste stream	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	11	

WASTE SUMMARY		Lic No: W0240-01		Year		2017			
	170407	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixed C&D Metals	33.7	45	-25%	Waste Stream sent direct to processing facility	0%	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, pelleting, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of the operations numbered R1 to R11)
	17 09 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixed Construction & Demolition wastes (non-hazardous)	242.54	224.6	8%	increase in C&D activity	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)
	18 01 04	18- WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)	Non-Hazardous Hospital waste	0	0.56	-100%	diversion of waste stream	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)
	200102	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Municipal Glass	166.48	23	624%	Improved coding practices	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)
	200108	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Biodegradable kitchen and canteen waste	2013.8676	1689.112	100%	Increased use of Organic Waste Bins	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)
	200138	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Municipal Wood	4.26	1.46	192%	Increase in acceptance of waste stream	0%	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, pelleting, drying, shredding, conditioning, repackaging, separating, blending or mixing prior to submission to any of the operations numbered R1 to R11)
	200139	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Municipal Plastic	209.892	224.2	-6%	no significant change	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)

WASTE SUMMARY		Lic No: W0240-01		Year: 2017						
	200140	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Municipal Metals	73.9	110.9	-33%	improved coding practices	0%	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)	1.5
	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)	2.28	0.8	185%	Increased use of Civic amenity site by public	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	14355.60	15460.74	-7%	Slight reduction in MSW waste acceptance	0%	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)	60
	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Recyclable Waste	4658.8291	4307.7076	8%	increased use of recycling	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	25
	20 03 03	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Street-Cleansing residues	250.82	249.52	1%	no significant change	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	589.4	669.8	-12%	diversion of waste stream	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	14

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

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

SELECT	
SELECT	
SELECT	

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

WASTE SUMMARY	Lic No: W0240-01	Year: 2017
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Table 4 Environmental monitoring-landfill on [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 553(A)(5) of WMA been submitted in reporting year	Comments

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

Table 5 Capping-Landfill only

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

*please note this includes daily cover area

Table 6 Leachate-Landfill only

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

SELECT

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

SELECT

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

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

Table 7 Landfill Gas-Landfill only

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



[Guidance to completing the PRTR workbook](#)

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR	2017
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1. FACILITY IDENTIFICATION

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

Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Solsborough
Address 2	Springfort Cross
Address 3	Nenagh
Address 4	
County	Tipperary
Country	Ireland
Coordinates of Location	-8.22389 52.85971
River Basin District	IEGBNISH
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Mary Bannon
AER Returns Contact Email Address	compliance@bnm.ie
AER Returns Contact Position	Environmental Officer
AER Returns Contact Telephone Number	087 6846448
AER Returns Contact Mobile Phone Number	087 6846448
AER Returns Contact Fax Number	
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	1
User Feedback/Comments	
Web Address	http://www.aesirl.ie

2. PRTR CLASS ACTIVITIES

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

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

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

4. WASTE IMPORTED/ACCEPTED ONTO SITE

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

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities)?	
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This question is only applicable if you are an IPPC or Quarry site

4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

| PRTR#: W0240 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Nenagh) | Filename : PRTR.xls | Return Year : 2017 |

09/05/2018 12:59

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

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

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

Additional Data Requested from Landfill operators

For the purposes of the National Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (Methane) flared or utilised on their facilities to accompany the figures for total methane generated. Operators should only report their Net methane (CH4) emission to the environment under T (total) KG/yr for Section A: Sector specific PRTR pollutants above. Please complete the table below:

Landfill:

Advanced Environmental Solutions (Ireland) Limited
(Nenagh)

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

	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](#)

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO WATERS	
POLLUTANT	
No. Annex II	Name

* Select a row by double-clicking on the Pollutant Name (Column B) t

SECTION B : REMAINING PRTR POLLUTANTS

RELEASES TO WATERS	
POLLUTANT	
No. Annex II	Name

* Select a row by double-clicking on the Pollutant Name (Column B) t

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

RELEASES TO WATERS	
POLLUTANT	
Pollutant No.	Name

* Select a row by double-clicking on the Pollutant Name (Column B) t

Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should NOT

Please enter all quantities in this section in KGs				
Method Used				
M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year
			0.0	0.0

hen click the delete button

Please enter all quantities in this section in KGs				
Method Used				
M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year
			0.0	0.0

hen click the delete button

Please enter all quantities in this section in KGs				
Method Used				
M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year
			0.0	0.0

hen click the delete button

be submitted under AER / PRTR Reporting as this only concerns Releases from your facility

QUANTITY	
A (Accidental) KG/Year	F (Fugitive) KG/Year
0.0	0.0

QUANTITY	
A (Accidental) KG/Year	F (Fugitive) KG/Year
0.0	0.0

QUANTITY	
A (Accidental) KG/Year	F (Fugitive) KG/Year
0.0	0.0

4.3 RELEASES TO WASTEWATER OR SEWER

[Link to previous years emissions data](#)

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

09/05/2018 13:05

SECTION A : PRTR POLLUTANTS

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

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

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

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

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

4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

SECTION A : PRTR POLLUTANTS

RELEASES TO LAND	
POLLUTANT	
No. Annex II	Name

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

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

RELEASES TO LAND	
POLLUTANT	
Pollutant No.	Name

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

METHOD			Please enter all quantities
M/C/E	Method Code	Designation or Description	Emission Point 1
			0.0

) then click the delete button

METHOD			Please enter all quantities
M/C/E	Method Code	Designation or Description	Emission Point 1
			0.0

) then click the delete button

n this section in KGs	
QUANTITY	
T (Total) KG/Year	A (Accidental) KG/Year
0.0	0.0

n this section in KGs	
QUANTITY	
T (Total) KG/Year	A (Accidental) KG/Year
0.0	0.0

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR#: W0240 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Nenagh) | Filename : PRTR.xls | Return Year : 2017 |

09/05/2018 13:11

Please enter all quantities on this sheet in Tonnes

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Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility	Haz Waste : Address of Next Destination Facility	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used		Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Non Haz Waste: Address of Recover/Disposer		
Within the Country	13 05 07	Yes	0.0	oily water from oil/water separators	D9	M	Weighed	Offsite in Ireland	ENVA Ireland Ltd.,W0184-01	Clonminam Industrial Estate,Portlaoise,Co. Laois,,Ireland	ENVA Ireland Ltd.,W0184-01,Clonminam Industrial Estate,Portlaoise,Co. Laois,,Ireland	Clonminam Industrial Estate,Portlaoise,Co. Laois,,Ireland
Within the Country	13 05 07	Yes	0.0	oily water from oil/water separators	D9	M	Weighed	Offsite in Ireland	Padraic Thornton Waste Disposal Ltd trading as Thomtons Recycling,WFP-KE-10-0061-01	Unit S3B ,Henry Road, Park West Business Park,Dublin,Ireland	Ritla Environmental Limited,W0192-03,Block 402 Grant's Drive,Greenogue Business Park,Rathcoole,County Dublin,Ireland	Block 402 Grant's Drive,Greenogue Business Park,Rathcoole,County Dublin,Ireland
Within the Country	15 01 01	No	0.0	paper and cardboard packaging	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03	Offaly,Ireland		
Within the Country	15 01 01	No	0.0	paper and cardboard packaging	R13	M	Weighed	Offsite in Ireland	Greenstar Ltd,W0082-02	Ballykeefe Townland ,Dock Road,Limerick,,Ireland		
Within the Country	15 01 01	No	0.0	paper and cardboard packaging	R13	M	Weighed	Offsite in Ireland	Irish Packaging Recycling,W0263-01	Road,Walkinstown,Dublin,12 ,Ireland		
Within the Country	15 01 01	No	0.0	paper and cardboard packaging	R13	M	Weighed	Offsite in Ireland	Greenstar Ltd,W0082-02	Ballykeefe Townland ,Dock Road,Limerick,,Ireland		
Within the Country	15 01 02	No	54.12	plastic packaging	R3	M	Weighed	Offsite in Ireland	Leinster Environmentals,WP 2008/06	Park,Haggardstown,Dundalk, Co. Louth,Ireland		
Within the Country	15 01 02	No	0.0	plastic packaging	R13	M	Weighed	Offsite in Ireland	Irish Packaging Recycling,W0263-01	Road,Walkinstown,Dublin,12 ,Ireland		
Within the Country	15 01 02	No	0.0	plastic packaging	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03	Offaly,Ireland		
Within the Country	15 01 03	No	0.0	wooden packaging	R3	M	Weighed	Offsite in Ireland	CJ SHEeran ,P0337-01	Mountrath Sawmills ,Shannon Street Mountrath,Co. Laois,,Ireland		
Within the Country	15 01 03	No	16.62	wooden packaging	R3	M	Weighed	Offsite in Ireland	Thomas O'Neill (Timber recycling) Ltd,WFP/LK/2012/05B/R1	18 Upper William Street,Limerick,,Ireland		
Within the Country	15 01 03	No	493.4	wooden packaging	R13	M	Weighed	Offsite in Ireland	Clonmel Waste Disposal Ltd,WFP-TS-11-0001-01	Lawesstown,Clonmel,Co. Tipperary,,Ireland		
Within the Country	15 01 03	No	0.0	wooden packaging	R13	M	Weighed	Offsite in Ireland	Irish Packaging Recycling,W0263-01	Road,Walkinstown,Dublin,12 ,Ireland		
Within the Country	15 01 03	No	0.0	wooden packaging	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03	Offaly,Ireland		
Within the Country	15 01 03	No	0.0	wooden packaging	R13	M	Weighed	Offsite in Ireland	Paddy Daly., Thomas O'Neill (Timber recycling) Ltd,WFP/LK/2012/05B/R1	Killmainham,Kells,Co. Meath,,Ireland		
Within the Country	15 01 03	No	0.0	wooden packaging	R13	M	Weighed	Offsite in Ireland	Paddy Daly., Thomas O'Neill (Timber recycling) Ltd,WFP/LK/2012/05B/R1	18 Upper William Street,Limerick,,Ireland		
Within the Country	15 01 03	No	0.0	wooden packaging	R13	M	Weighed	Offsite in Ireland	Paddy Daly., Thomas O'Neill (Timber recycling) Ltd,WFP/LK/2012/05B/R1	Killmainham,Kells,Co. Meath,,Ireland		
Within the Country	15 01 04	No	0.0	metallic packaging	R13	M	Weighed	Offsite in Ireland	KMK Metals Recycling Ltd,W0113-03	Road,Tullamore,Offaly,Ireland		

Within the Country	15 01 07	No	413.1378 glass packaging	R5	M	Weighed	Offsite in Ireland	Rehab Glassco Ltd,WFP-KE-08-0357-01	Unit 4 Osberstown Industrial Park, Caragh Road, Naas, Co. Kildare, Ireland
Within the Country	17 01 01	No	0.0 concrete	R13	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03	Killinagh Upper, Carbury, Co. Kildare, Ireland
Within the Country	17 01 01	No	182.51 concrete	R13	M	Weighed	Offsite in Ireland	Williams Sand & Gravel,WFT-TS-09-0084-01	Carrickoneen, Co. Tipperary, Ireland
Within the Country	17 01 02	No	0.0 bricks mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17	R13	M	Weighed	Offsite in Ireland	Paddy Daly, .	Killmainham, Kells, Co. Meath, Ireland
Within the Country	17 01 07	No	0.0 01 06	R13	M	Weighed	Offsite in Ireland	Gortadroma Landfill Site Limerick Co. Co.,W0017-04	Gortadroma,Ballyahill, Limerick, Ireland
Within the Country	17 02 01	No	0.0 wood	R3	M	Weighed	Offsite in Ireland	Thomas O'Neill (Timber recycling) Ltd,WFP/LK/2012/05B/R1	18 Upper William Street,Limerick, Ireland
Within the Country	17 02 01	No	0.0 wood	R13	M	Weighed	Offsite in Ireland	Thomas O'Neill (Grain Merchant) Ltd,WP LK 05(a)	18 Upper William Street,Limerick, Ireland
Within the Country	17 02 01	No	0.0 wood	R13	M	Weighed	Offsite in Ireland	Clonmel Waste Disposal Ltd,WFP-TS-11-0001-01	Lawesstown, Clonmel, Co. Tipperary, Ireland
Within the Country	17 02 01	No	0.0 wood	R13	M	Weighed	Offsite in Ireland	Paddy Daly, .	Killmainham, Kells, Co. Meath, Ireland
Within the Country	17 04 05	No	0.0 iron and steel	R13	M	Weighed	Offsite in Ireland	United Metals ,WFP/LK/2010/147A/R1	Eastway Business Park, Ballysimon,Limerick, Ireland
Within the Country	17 04 07	No	0.0 mixed metals	R13	M	Weighed	Offsite in Ireland	Clearcircle Metals (formerly Hegarty Metal Recycling Ltd.),WFP-LKC-11-001-01	Ballysimon Road,Limerick, Ireland
Within the Country	17 04 07	No	172.6 mixed metals	R13	M	Weighed	Offsite in Ireland	United Metals ,WFP/LK/2010/147A/R1	Eastway Business Park, Ballysimon,Limerick, Ireland
Within the Country	17 04 11	No	0.0 10 cables other than those mentioned in 17 04	R13	M	Weighed	Offsite in Ireland	United Metals ,WFP/LK/2010/147A/R1	Eastway Business Park, Ballysimon,Limerick, Ireland
Within the Country	17 09 04	No	0.0 09 02 and 17 09 03 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17	D1	M	Weighed	Offsite in Ireland	Gortadroma Landfill Site Limerick Co. Co.,W0017-04	Gortadroma,Ballyahill, Limerick, Ireland
Within the Country	17 09 04	No	0.0 09 02 and 17 09 03 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17	R13	M	Weighed	Offsite in Ireland	United Metals ,WFP/LK/2010/147A/R1	Eastway Business Park, Ballysimon,Limerick, Ireland
Within the Country	20 01 01	No	0.0 paper and cardboard	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03	Cappincur Industrial Estate, Daingean Road, Tullamore, Co. Offaly, Ireland
Within the Country	20 01 08	No	1910.3 biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Acorn Recycling,W0249-01	Archerstown Industrial Estate, Thurles, Co. Tipperary, Ireland
Within the Country	20 01 08	No	0.0 biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Miltown Composting Ltd,W0270-01	Miltown More & Moorstown, Fethard, Co. Tipperary, Ireland
Within the Country	20 01 08	No	0.0 biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03	Killinagh Upper, Carbury, Co. Kildare, Ireland
Within the Country	20 01 36	No	discarded electrical and electronic equipment other than those mentioned in 20 0.0 01 21, 20 01 23 and 20 01 35	R13	M	Weighed	Offsite in Ireland	KMK Metals Recycling Ltd,W0113-03	Cappincur Industrial Estate, Daingean Road, Tullamore, Offaly, Ireland
Within the Country	20 01 36	No	discarded electrical and electronic equipment other than those mentioned in 20 0.0 01 21, 20 01 23 and 20 01 35	R13	M	Weighed	Offsite in Ireland	KMK Metals Recycling Ltd,W0113-03	Cappincur Industrial Estate, Daingean Road, Tullamore, Offaly, Ireland
Within the Country	20 01 39	No	0.0 plastics	R13	M	Weighed	Offsite in Ireland	Irish Packaging Recycling,W0263-01	Ballymount Road, Walkinstown, Dublin, 12, Ireland
Within the Country	20 01 39	No	0.0 plastics	R13	M	Weighed	Offsite in Ireland	Thorntons Recycling Ltd,W0044-02	Killean Road, Ballyfermot, Dublin, 10, Ireland
Within the Country	20 01 39	No	0.0 plastics	R13	M	Weighed	Offsite in Ireland	Leinster Environmentals,WP 2008/06	Clermont Business Park, Haggardstown, Dundalk, Co. Louth, Ireland
Within the Country	20 01 40	No	24.0 metals	R13	M	Weighed	Offsite in Ireland	Clearcircle Metals (formerly Hegarty Metal Recycling Ltd.),WFP-LKC-11-001-01	Ballysimon Road,Limerick, Ireland

Within the Country	20 01 40	No	0.0 metals	R13	M	Weighed	Offsite in Ireland	Irish Packaging Recycling,W0263-01	Ballymount Road,Walkinstown,Dublin,12 ,Ireland
Within the Country	20 01 40	No	0.0 metals	R13	M	Weighed	Offsite in Ireland	United Metals ,WFP/LK/2010/147A/R1 Thomas O'Neill (Timber recycling) Ltd,WFP/LK/2012/05B/R1	Eastway Business Park,Ballysimon,Limerick,,Ireland
Within the Country	20 02 01	No	0.0 biodegradable waste	R3	M	Weighed	Offsite in Ireland	Midland Waste Disposal Ltd (AES Navan),W0131-02	18 Upper William Street,Limerick,,Ireland Proudstown
Within the Country	20 03 01	No	0.0 mixed municipal waste	D13	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03	Road,Clonmagadden Navan,Co Meath,,Ireland
Within the Country	20 03 01	No	2632.46 mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Gortadroma Landfill Site Limerick Co. Co.,W0017-04	Killinagh Upper,Carbury,Co. Kildare,,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Thorntons Recycling Ltd,W0044-02	Gortadroma,Ballynahill,Limerick,,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	R12	M	Weighed	Offsite in Ireland	O'Toole Composting Ltd,WFP-CW-10-0003-01	Road,Ballyfermot,Dublin,10,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Killarney Waste Disposal Ltd (KWD),W0217-01	Ballintrane,Fenagh,Carlow,,Ireland
Within the Country	20 03 01	No	228.28 mixed recyclable waste	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03	Aughacurreen ,Killarney ,Co. Kerry,,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	R12	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03	Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Kyletalesha Landfill Co. Co.,W0026-03	Killinagh Upper,Carbury,Co. Kildare,,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Gortadroma Landfill Site Limerick Co. Co.,W0017-04	Clonsoughy Kyleclonhobert ,Portlaoise,Co. Laois,,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	D1	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03	Gortadroma,Ballynahill,Limerick,,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03	Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland
Within the Country	20 03 01	No	3252.76 Mixed Dry Recyclables	R13	M	Weighed	Offsite in Ireland	Midland Waste Disposal Ltd (AES Navan),W0131-02	Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland Proudstown
Within the Country	20 03 01	No	0.0 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03	Road,Clonmagadden Navan,Co Meath,,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	R3	M	Weighed	Offsite in Ireland	Indaver (Ireland) Ltd,W0167-03	Killinagh Upper,Carbury,Co. Kildare,,Ireland
Within the Country	20 03 01	No	945.14 mixed municipal waste	R1	M	Weighed	Offsite in Ireland	AES Portlaoise,W0194-02	Carranstown,Dulleek,Co Meath,,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Ballynagran Landfill Ltd,W0165-02	Kyletalesha,Mountmellick Road,Portlaoise,Co Laois,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Knockharley Landfill Ltd,W0146-02	Ballynagran ,Co Kilcandra,,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03	Wicklow,,Ireland
Within the Country	20 03 03	No	396.16 street-cleaning residues	D5	M	Weighed	Offsite in Ireland	Nurendale Ltd. T/A Panda Waste Services,W0140-04	Knockharley ,, Navan , Co. Meath.,Ireland
Within the Country	20 03 07	No	0.0 bulky waste	R13	M	Weighed	Offsite in Ireland	Midland Waste Disposal Ltd (AES Navan),W0131-02	Killinagh Upper,Carbury,Co. Kildare,,Ireland
Within the Country	20 03 07	No	0.0 bulky waste	R13	M	Weighed	Offsite in Ireland	Kyletalesha Landfill Co. Co.,W0026-03	Rathdrinagh,Beauparc Navan,Co. Meath,,Ireland Proudstown
Within the Country	20 03 07	No	0.0 bulky waste	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03	Road,Clonmagadden Navan,Co Meath,,Ireland
Within the Country	20 03 07	No	0.0 bulky waste	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03	Clonsoughy Kyleclonhobert ,Portlaoise,Co. Laois,,Ireland
Within the Country	20 03 07	No	0.0 bulky waste	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03	Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland

Within the Country	20 03 07	No	0.0 bulky waste	R13	M	Weighed	Offsite in Ireland	O'Toole Composting Ltd,WFP-CW-10-0003-01	Ballintrane,Fenagh,Carlow,Ireland
Within the Country	20 03 07	No	0.0 bulky waste	R13	M	Weighed	Offsite in Ireland	AES Portlaoise,W0194-02	Laois,Ireland
Within the Country	20 03 07	No	0.0 bulky waste	R13	M	Weighed	Offsite in Ireland	O'Toole Composting Ltd,WFP-CW-10-0003-01	Ballintrane,Fenagh,Carlow,Ireland
Within the Country	20 03 01	No	58.56 mixed recycling waste	R13	M	Weighed	Offsite in Ireland	Dillon Waste,WFP-KY-10-001-03	The Kerries,,Tralee,County Kerry,Ireland
Within the Country	20 03 01	No	1266.1 mixed recycling waste	R13	M	Weighed	Offsite in Ireland	Forge Hill Recycling Limited,WFP-CK-15-0148-01	House,Scilly,Kinsale,County Cork,Ireland
Within the Country	20 03 07	No	1279.68 bulky waste	D5	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03	Killinagh Upper,Carbury,Co. Kildare,,Ireland
Within the Country	16 01 20	No	7.94 glass	R5	M	Weighed	Offsite in Ireland	John Gannon Concrete Ltd,WFP-WM-2014-05	Split Hill Quarry,Hazelwood,Kilbeggan,County Offaly,Ireland
Within the Country	15 01 01	No	142.185 paper and cardboard packaging	R3	M	Weighed	Offsite in Ireland	Starrus Eco Holdings Ltd,W0082-02	Ballykeefe Townland Waste Management Section,Dock Road,Limerick,,Ireland
Within the Country	20 03 01	No	6740.09 mixed municipal waste	R12	M	Weighed	Offsite in Ireland	AES Portlaoise,W0194-02	Kyletalesha,Mountmellick Road,Portlaoise,Co Laois,Ireland
Within the Country	20 03 01	No	61.66 mixed recycling waste	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03	Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland
Within the Country	20 03 01	No	3293.36 mixed municipal waste	R3	M	Weighed	Offsite in Ireland	Dublin Waste to Energy,W0232-01 (IED)	Poolbeg ,Pigeon House Road ,Poobeg Peninsula ,Dublin 4,Ireland

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