

Facility Information Summary


AER Reporting Year	2014
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, 12 & 13
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. all wastes are received over the facility weighbridge and unloaded within the waste reception building. residual wastes are bulked and sent for further treatment (SRF production) 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 2014 was within the total waste acceptance allowed under the waste licence. **There were 2 minor incidents reported to the Agency in 2014 in relation to breach of elvs. In February for emissions to sewer - elevated COD and May for elevated dust levels above the ELV of 350mg/m²/day at D2 monitoring station. The EPA conducted a site inspection and found the site to be compliant with the Licence Conditions.**

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>31.03.15</u>
Signature Environmental Officer <small>(or nominated, suitably qualified and experienced deputy)</small>	Date

Answer all questions and complete all tables where relevant

1 Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current reporting year and answer further questions. If **you do not have** licenced emissions and **do not complete a solvent management plan** (table A4 and A5) you **do not** need to complete the tables

Additional information	
Yes	

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

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

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	Quarterly	350mg/m2/day	100 % of values < ELV	358	mg/m2/day	no (if no please enter details in comments box)	Gravmetric		
D2	Total Particulates	Quarterly	350mg/m2/day	100 % of values < ELV	233	mg/m2/day	yes	Gravmetric		
D3	Total Particulates	Quarterly	350mg/m2/day	100 % of values < ELV	394	mg/m2/day	no (if no please enter details in comments box)	Gravmetric		
D4	Total Particulates	Quarterly	350mg/m2/day	100 % of values < ELV	157	mg/m2/day	yes	SELECT		

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)

5 Did continuous monitoring equipment experience downtime? If yes please record downtime in table 3 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 4 below

No	
No	
No	
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 exceedences in current reporting year	Comments
	SELECT			SELECT	SELECT					
	SELECT				SELECT					
	SELECT				SELECT					
	SELECT				SELECT					
	SELECT				SELECT					

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

Table A3: Abatement system bypass reporting table

[Bypass protocol](#)

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

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

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

Solvent use and management on site

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

No	
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Table A4: Solvent Management Plan Summary Total VOC Emission limit value

[Solvent regulations](#) 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)	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)					Total emission of Solvent to air (kg)
	(I) Inputs (kg)	Organic solvent emission in waste gases(kg)	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g. by-passes (kg)	Solvents destroyed onsite through physical reaction e.g. incineration(kg)	
Total								

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

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.

Table W1 Surface water monitoring

Table with 10 columns: 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. Rows include pH, Conductivity, COD, Ammonia (as N), Suspended Solids, and Mineral oils.

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

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

Table with 5 columns: Location Reference, Date of inspection, Description of contamination, Source of contamination, Corrective action.

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. Additional information. 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.

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

Table with 14 columns: 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. Rows include various parameters like pH, COD, BOD, Suspended Solids, Sulphate, Detergents, Fats, Oils and Greases, Ammonia, Ortho-phosphate, and Hydrocarbons.

Note 1: Volumetric flow shall be included as a reportable parameter. Note 2: Where Emission Limit Values (ELV) do not apply to your licence please compare results against EQS for Surface water or relevant receptor quality standards. Note 3: S.I. No. 272/2009 - European Communities Environmental objectives (Surface Waters) regulations. Note 4: S.I. No. 294/1989 European Communities (Quality of surface water intended for the abstraction of drinking water) Regulations.

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

Continuous monitoring

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

No

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

Table W4: Summary of average emissions -continuous monitoring

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

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

Table W5: Abatement system bypass reporting table

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

*Measures taken or proposed to reduce or limit bypass frequency

Bund testing

dropdown menu click to see options

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
- Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore" type units and mobile bunds)
- 4 How many bunds are on site?

Yes	
3 years	
Yes	
3	
3	Bund testing was completed in 2012 - Bund and Pipeline tests are scheduled for completion in 2015. the resulting reports will be retained on site for inspection and any remedial works identified will be repaired and associated SEWs reported to the Agency
0	
Yes	but not applicable
Not applicable	
0	
0	
No	

- 5 How many of these bunds have been tested within the required test schedule?
- 6 How many mobile bunds are on site?

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

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

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)
Road Diesel Tank	reinforced concrete					Hydraulic test		Nov 2012	Yes	Pass		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? [bunding and storage guidelines](#)
- 15 Are channels/transfer systems to remote containment systems tested?
- 16 Are channels/transfer systems compliant in both integrity and available volume?

Commentary	
Yes	
No	Not Applicable
SELECT	

Pipeline/underground structure testing

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

Yes	
3 years	Due in 2015

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)

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

Groundwater/Soil monitoring template Lic No: W0240-01 Year 2014

	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)	SELECT	N/A
6 Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	SELECT	N/A
7 Please specify the proposed time frame for the remediation strategy	SELECT	N/A
8 Is there a licence condition to carry out/update ELRA for the site?	SELECT	N/A
9 Has any type of risk assesment been carried out for the site?	SELECT	N/A
10 Has a Conceptual Site Model been developed for the site?	SELECT	N/A
11 Have potential receptors been identified on and off site?	SELECT	N/A
12 Is there evidence that contamination is migrating offsite?	SELECT	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
							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
							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](#)
- [Drinking water \(private supply\) standards](#)
- [Drinking water \(public supply\) standards](#)
- [Interim Guideline Values \(IGV\)](#)

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

2014

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

		Commentary	
1	ELRA initial agreement status	Submitted and not agreed by EPA;	ELRA prepared by OCM and submitted to the EPA in April 2011
2	ELRA review status	Review required and completed	In Draft format - Currently being reviewed by Bord na Mona
3	Amount of Financial Provision cover required as determined by the latest ELRA	Specify	€58,552 to cover decommissioning and Site closure; AES has arranged insurance cover of €13,000,000 to cover liability arising from damage to property and injury to third parties as a result of sudden and unforeseen environmental impairment.
4	Financial Provision for ELRA status	Submitted and not agreed by EPA;	In Draft format - Currently being reviewed by Bord na Mona
5	Financial Provision for ELRA - amount of cover	Specify	23062.5
6	Financial Provision for ELRA - type	Public Liability Insurance with Environmental Impairment Liability cover,	
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan initial agreement status	Closure plan submitted and not agreed by EPA	
9	Closure plan review status	Review required and not completed	
10	Financial Provision for Closure status	Submitted and not agreed by EPA;	
11	Financial Provision for Closure - amount of cover	Specify	€58,552
12	Financial Provision for Closure - type	Public Liability Insurance with Environmental Impairment Liability	
13	Financial provision for Closure expiry date	Enter expiry date	

Environmental Management Programme/Continuous Improvement Programme template

Lic No:

W0240-01

Year

2014

Highlighted cells contain dropdown menu click to view

Additional Information

1	Do you maintain an Environmental Management System (EMS) for the site. If yes, please detail in additional information	Yes	The Licensee holds a fully NSAI accredited Integrated Management System incorporating Environmental (to ISO 14001:2004), Health & Safety (OHSAS 18000) and Quality (ISO9002:2000). These management systems are maintained through onsite cooperation with the environmental officers and dedicated systems coordinators. They are audited on a bi-annual basis internally and externally on an annual basis.
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes	Yes an aspects register is maintained onsite and updated on an annual review basis
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	Yes Environmental objectives and targets are set on an annual basis and progress against targets is reviewed quarterly
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	Yes	A file is available to view by members of the public at the facility if requested

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Reduction of emissions to Air	Eliminate the frequency of breach of Emission limit values in Dust	0	Repair and Install Roller shutter doors on waste processing building	Individual	Reduced emissions
Reduction of emissions to Water	Improve the quality of storm water discharges	100	Set interim Trigger values for storm water discharges	Individual	Reduced emissions
Groundwater protection	Zero risk to groundwater from site activities	0	Conduct CCTV surveys and hydraulic tests on all underground tanks, chambers and pipelines	Individual	Increased compliance with licence conditions
Reduction of emissions to Water	Construct Firewater Retention Wall	20	SEW prepared and approved by the Agency in 2011	Individual	Increased compliance with licence conditions
Waste reduction/Raw material usage efficiency	Diversion of biodegradable waste from landfill	40	Roll out of brown bin services in the following towns: Newport Ballina Roscrea Thurles Templemore	Section Head	Increased compliance with licence conditions
Waste reduction/Raw material usage efficiency	Reduce reliance on landfill as a waste solution	100	Transfer all MSW to AES Portlaoise for processing and extract the organic fines, metals, Oversize materials	Section Head	Reduced emissions

Noise monitoring summary report

Lic No: W0240-01

Year

2014

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?

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

No

Table N1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA _{eq}	LA ₉₀	LA ₁₀	LA _{max}	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is <u>site</u> compliant with noise limits (day/evening/night)?
09-10/09/14	30 Mins	N1		55-62	40-47	55-61	78-89	No	SELECT	Site –AES trucks entering yard & engines left running while on weighbridge + associated reversing alarms and rattling chains. Occasional power washing of wheelie bins (40m).Background – Heavy traffic on the Limerick Road (dominant). Occasional chain-sawing in the distance (>200m) and birdsong.	No
09-10/09/14	30 Mins	N2		52-55	40-44	49-55	70-78	No		Site – Lorry's idling on weighbridge. Passing site traffic (mostly trucks/lorry's) + associated banging and rattling chains on AES skips.Background – Constant Traffic on Limerick road – faintly audible in the distance.	Yes
09-10/09/14	30 Mins	N3		54	44-48	56	69-78	No		Site – Lorries idling in yard awaiting entry to waste storage area. Sorting of recyclables in waste storage area – Rev. alarms, chains rattling.Background – Occasional birdsong. Note passing traffic on the Dark Road 'paused out' to gain a more representative site specific noise emission measurements.	Yes

09-10/09/14	30 Mins	N4		50-51	44-45	53-54	65-66	No		Site – Power washing of wheelie bins in the yard can be heard in background. Occasional traffic entering/exiting car-park. Movement of heavy machinery + reversing alarms. Background – Passing road traffic on the Kilcolman Road – dominant. Traffic on the Dark Road and Limerick Roads was occasionally audible to a lesser extent.	Yes
09-10/09/14	30 Mins		NSL-1	52-53	46	55-56	65-75	No		Site – Occasional lorries entering/exiting site (25m). Hum of operations within reception shed z& power washing of skips (faintly audible). Background – Heavy traffic on Limerick, Kilcolman and Dark Roads. Intermittent banging & air tool use within Comerford's garage (15m).	Yes
09-10/09/14	30 Mins		NSL-2	41-48	43-51	37-41	54-65	No		Site – Lorry engines + reversing alarms occasionally faintly audible. Background – Constant heavy traffic on Limerick and Kilcolman Roads. Chainsaw audible in the distance (>200m).	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?

nothing**

** please explain the reason for not taking action/resolution of noise issues?
Slight exceedances were due to offsite activities

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 [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

Additional information	
2010	
No	
SELECT	

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	3223.33	3989.29		Energy consumption per t of waste collected increased due to an increased customer base and the addition of new routes.
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	34.38	34.67		
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)	0			
Light Fuel Oil (litres)	313.605	388.901		
Natural gas (CMN)	0			
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

Conversion	
Kerosene	0.009821 mWh/ltr
Gasoil	0.010165 mWh/ltr
Med FO	0.010786 mWh/ltr
DERV	0.010169 mWh/ltr
Petrol	0.009269 mWh/ltr

2013	2014
287997	359672
25608	29229
2928.641493	3657.504568
260.30532	297.112785
3188.946813	3954.617353

* 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

Resource Usage/Energy efficiency summary	Lic No:	W0240-01	Year	2014
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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 ³ /yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:
Groundwater							
Surface water							
Public supply	1606	1894					
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)					

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: W0240-01 Year 2014

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

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

Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 2 below		Additional information
		Breach of Dust ELV

*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	Communication	Occurrence	Corrective action<20 words	Preventative action <20 words	Resolution status	Resolution date	Likelihood of reoccurrence
	Breach of ELV	Licensed discharge point (SE1)	1. Minor	Sewer	Operational controls		Normal activities	EPA	New			Complete		Low
	Breach of ELV	Licensed discharge point (SE1)	1. Minor	Sewer	Operational controls		Normal activities	EPA	New			Complete		Low
02/10/2014	Breach of ELV	Other location (D1 & D3)	1. Minor	Air	Other (add details)	Breaches caused from the overhang of trees and contamination of sample from leaf fall	Normal activities	EPA	New	Timing of future monitoring to be reviewed to avoid period of heaviest leaf fall.	Discuss with adjacent landowner on undertaking maintenance and pruning of vegetation along the site boundary.	Complete		Low
Total number of incidents current year			3											
Total number of incidents previous year			4											
% reduction/ increase			-33%											

WASTE SUMMARY	Lic No:	W0240-01	Year	2014
SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES		PRTR facility 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 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	
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)	EWG code	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which European Waste Catalogue EWC codes	Quantity of waste accepted in current reporting year (tonnes)	Quantity of waste accepted in previous reporting year (tonnes)	Reduction/Increase over previous year +/- %	Reason for reduction/increase from previous reporting year	Packaging Content (%) - only applies if the waste has a packaging	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	15 01 01	15- WASTE PACKAGING: ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Paper and Cardboard Packaging	971.07	673.50	44%	increased commercial activity	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
24750	15 01 02	15- WASTE PACKAGING: ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Plastic Packaging	245.88	248.70	-1%	Minimal change for 2014	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
24750	15 01 03	15- WASTE PACKAGING: ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Wooden Packaging	184.04	120.11	53%	EWG codes more appropriately applied. Previously pallets would be coded as 17 02 01	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
24750	15 01 06	15- WASTE PACKAGING: ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Mixed packaging	0	1.36	-100%	No Mixed Packaging collected during 2014	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
24750	15 01 07	15- WASTE PACKAGING: ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Glass Packaging	328.63	348.16	-6%	Minimal change for 2014	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		

WASTE SUMMARY		Lic No:		W0240-01		Year		2014	
24750	17 02 01	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	C & D wood	117.04	189.15	-38%	Pallets being coded correctly	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	13
24750	17 04 07	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixed C & D metals	61.95	77.99	-21%	Material now sent direct to third party reducing tonnages processed on site	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	3
24750	17 05 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Soil and Stones	0	5.84	-100%	Material for 2014 sent direct to third party	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
24750	17 09 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixed C & D Waste	127.33	15.98	697%	Increased Construction & Demolition activity during 2014	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
24750	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 healthcare wastes	1.44	67.96	-98%	Loss of commercial customer	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
24750	20 01 36	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Non-hazardous waste electrical and electronic goods (WEEE)	0	2.8	-100%	No WEEE good collected during 2014	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
24750	20 01 38	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Wood from municipal sources separately collected	27.72	1.32	2000%	improved waste recording under more appropriate waste code - formerly this waste would have been coded as either 15 01 03 or 17 02 01	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
24750	20 01 39	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Plastic from municipal sources collected seperately	333.57	673.87	-50%	Increase in tonnages sent direct to third party during 2014	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	

WASTE SUMMARY		Lic No:		W0240-01		Year		2014	
24750	20 01 40	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	metals from municipal sources separately collected	108.78	94.01	16%	improved waste recording under more appropriate waste code - formerly this waste would have been coded as either 15 01 04 or 17 04 07	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
24750	20 02 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Garden and park waste	7.26	10.93	-34%	Minimal change for 2014	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
24750	20 03 03	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Street sweeping residues	231	209.43	10%	Minimal change for 2014	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
24750	17 01 07	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	mixed concrete and bricks	0	0.96	-100%	No collection of this waste stream during 2014	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
24750	20 01 08	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	biodegradable kitchen and canteen wastes	1395.54	1177.43	19%	No explanation, minimal change for 2014	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	5
24750	200301C	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	(Commercial) mixed municipal waste	6220.67	6732.35	-8%	Minimal change for 2014	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
24750	200301D	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	(Domestic) mixed municipal waste	9405.7	7944.33	18%	No explanation, minimal change for 2014	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	70

WASTE SUMMARY		Lic No:		W0240-01		Year		2014	
24750	200301KC	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Commercial Mixed Dry recyclables	1429.27	1219.77	17%	increased segregation at source	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
24750	200301KD	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Domestic Mixed Dry recyclables	3604.49	3421.05	5%	Minimal change for 2014	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	14
24750	200307C	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Commercial Bulky Waste (Skips)	171.92	217.77	-21%	improved coding practices	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
24750	200307D	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Domestic Bulky Waste	384.14	211.61	82%	Civic Amenity onsite	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	20
				25357.44	23666.37	7%			

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

Yes	
SELECT	
Yes	

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

Yes	
No	not requirement of our waste licence and odour is not an issue on site
No	

6 Does your facility have relevant nuisance controls in place?

7 Do you have an odour management system in place for your facility? If no why?

8 Do you maintain a sludge register on site?

SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY

Table 2 Waste type and tonnage-landfill only

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

WASTE SUMMARY Lic No: W0240-01 Year 2014

Table 3 General information-Landfill only

Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public Operated	Inert or non-hazardous	Predicted date to cease landfilling	Licence permits asbestos	Is there a separate cell for asbestos?	Accepted asbestos in reporting year	Total disposal area occupied by waste	Lined disposal area occupied by waste	Unlined area	Comments on liner type
										SELECT UNIT	SELECT UNIT	SELECT UNIT	
Cell 8													

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

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

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

Table 5 Capping-Landfill only

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

*please note this includes daily cover area

Table 6 Leachate-Landfill only

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

SELECT

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

SELECT

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

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

Table 7 Landfill Gas-Landfill only

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



| PRTR# : W0240 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Nenagh) |
 Filename : AES Nenagh_W0240_PRTR_2014_30.03.15.xls | Return Year : 2014 |

28/04/2015 12:04

[Guidance to completing the PRTR workbook](#)

AER Returns Workbook

Version 1.1.18

REFERENCE YEAR	2014
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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	
Country	Tipperary
Country	Ireland
Coordinates of Location	-8.22389 52.85971
River Basin District	IEGBNISH
NACE Code	3900
Main Economic Activity	Remediation activities and other waste management services
AER Returns Contact Name	Charlotte Greene
AER Returns Contact Email Address	charlotte.greene@bnm.ie
AER Returns Contact Position	Environmental Officer
AER Returns Contact Telephone Number	045 439492
AER Returns Contact Mobile Phone Number	087 7697465
AER Returns Contact Fax Number	
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	33
User Feedback/Comments	Elevated waste intake above the waste licence tonnage limit was due to the cessation of sending waste into a Limerick facility and also due to the new weighbridge operating system which did not flag that we had exceeded tonnage.
Web Address	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?	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) ?	
--	--

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 : AES Nenagh_W0240_PRTR_2014_30.03.15.xls | Return Year : 2014

28/04/2015 12:05

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	QUANTITY			
			Method Code	Designation or Description		T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year	
						0.0	0.0	0.0	0.0

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

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

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

Additional Data Requested from Landfill operators

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

Landfill:		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](#)

| PRTR# : W0240 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Nenagh) | Filename : AES Nenagh_W0240_PRTR_2014_30.03.15.xls | Return Year :

28/04/2015 12:05

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

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

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

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

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

4.3 RELEASES TO WASTEWATER OR SEWER

[Link to previous years emissions data](#)

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

28/04/2015 12:05

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 Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description	0.0	0.0	0.0	0.0

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

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

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

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

4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

| PRTR# : W0240 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Nenagh) | Filename : AES Nenagh_W0240_PRTR_2014_3C

28/04/2015 12:06

SECTION A : PRTR POLLUTANTS

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

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

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

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

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : W0240 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Nenagh) | Filename : AES Nenagh_W0240_PRTR_2014_30.03.15.xls | Return Year : 2014 |

28/04/2015 12:06

Please enter all quantities on this sheet in Tonnes

58

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility	Non	Haz Waste : Address of Next Destination Facility	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used		Haz Waste : Name and Licence/Permit No of Recover/Disposer	Non Haz Waste: Address of Recover/Disposer			
Within the Country	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	Rilta 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	511.34	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 02	No	47.51	plastic packaging	R3	M	Weighed	Offsite in Ireland	Leinster Environmentals,WP 2008/06		Clermont Business Park,Haggardstown,Dundalk, Co. Louth,Ireland		
Within the Country	15 01 02	No	5.24	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	0.0	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	32.48	wooden packaging	R13	M	Weighed	Offsite in Ireland	Clonmel Waste Disposal Ltd,WFP-TS-11-0001-01		Lawlesstown,Clonmel,Co. Tipperary,.,Ireland		
Within the Country	15 01 03	No	2.2	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	0.48	wooden packaging	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03		Cappincur Industrial Estate, Daingean Road,Tullamore,Co. Offaly,Ireland		
Within the Country	15 01 07	No	437.78	glass packaging mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17	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 07	No	0.0	01 06	R13	M	Weighed	Offsite in Ireland	Gortadroma Landfill Site Limerick Co. Co.,W0017-04		Gortadroma,Ballyhahill,Limerick,.,Ireland		
Within the Country	17 02 01	No	83.68	wood	R3	M	Weighed	Offsite in Ireland	Thomas O'Neill (Timber recycling) Ltd,WFP/LK/2012/05B/R1		18 Upper William Street,Limerick,.,Ireland		

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility	Non	Haz Waste : Address of Next Destination Facility	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						Haz Waste : Name and Licence/Permit No of Recover/Disposer	Non Haz Waste: Address of Recover/Disposer		M/C/E	Method Used	Haz Waste : Name and Licence/Permit No of Recover/Disposer	Non Haz Waste: Address of Recover/Disposer	
Within the Country	17 02 01	No	0.0	wood	R13	M	Weighed	Offsite in Ireland	Thomas O'Neill (Grain Merchant) Ltd,WPK LK 05(a)		18 Upper William Street,Limerick,...,Ireland		
Within the Country	17 02 01	No	14.76	wood	R13	M	Weighed	Offsite in Ireland	Clonmel Waste Disposal Ltd,WFP-TS-11-0001-01		Lawlesstown,Clonmel,Co. Tipperary,...,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	27.78	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 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	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	D1	M	Weighed	Offsite in Ireland	Gortadroma Landfill Site Limerick Co. Co.,W0017-04		Gortadroma,Ballyahill,Limerick,...,Ireland		
Within the Country	20 01 08	No	1274.56	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		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	0.0	discarded electrical and electronic equipment other than those mentioned in 20 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	14.7	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		Killeen Road,Ballyfermot,Dublin,10,Ireland		
Within the Country	20 01 40	No	8.43	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	139.43	metals	R13	M	Weighed	Offsite in Ireland	United Metals ,WFP/LK/2010/147A/R1		Eastway Business Park,Ballysimon,Limerick,...,Ireland		
Within the Country	20 03 01	No	0.0	mixed municipal waste	D13	M	Weighed	Offsite in Ireland	Midland Waste Disposal Ltd (AES Navan),W0131-02		Proudstown Road,Clonmagadden Navan,Co Meath,...,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		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,Ballyahill,Limerick,...,Ireland		
Within the Country	20 03 01	No	0.0	mixed municipal waste	R1	M	Weighed	Offsite in Ireland	Indaver (Ireland) Ltd,W0167-03		Carranstown,Dulleek,Co Meath,...,Ireland		
Within the Country	20 03 01	No	0.0	mixed municipal waste	R12	M	Weighed	Offsite in Ireland	Thorntons Recycling Ltd,W0044-02		Killeen Road,Ballyfermot,Dublin,10,Ireland		
Within the Country	20 03 01	No	60.68	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	O'Toole Composting Ltd,WFP-CW-10-0003-01		Ballinrane,Fenagh,Carlow,...,Ireland		

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						Haz Waste - Name and Licence/Permit No of Recover/Disposer	Non Haz Waste: Address of Recover/Disposer		M/C/E	Method Used	Haz Waste - Name and Licence/Permit No of Recover/Disposer	Non Haz Waste: Address of Recover/Disposer	
Within the Country	20 03 01	No	521.16	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Killarney Waste Disposal Ltd (KWD),W0217-01		Aughacurreen ,Killarney ,Co. Kerry,..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	0.0	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03		Killinagh Upper,Carbury,Co. Kildare,..Ireland		
Within the Country	20 03 01	No	0.0	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Kyletalesha Landfill Laois Co. Co.,W0026-03		Clonsoughy Kyleclonhobert ,Portlaoise,Co. Laois,..Ireland		
Within the Country	20 03 01	No	3275.82	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Gortadroma Landfill Site Limerick Co. Co.,W0017-04		Gortadroma,Ballyhahill,Limerick,..Ireland		
Within the Country	20 03 01	No	32.42	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	4645.77	Mixed Dry Recyclables	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	2682.57	mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03		Killinagh Upper,Carbury,Co. Kildare,..Ireland		
Within the Country	20 03 03	No	234.94	street-cleaning residues	D5	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03		Killinagh Upper,Carbury,Co. Kildare,..Ireland		
Within the Country	20 03 07	No	0.0	bulky waste	R13	M	Weighed	Offsite in Ireland	Nurendale Ltd. T/A Panda Waste Services,W0140-04		Rathdrinagh,Beauparc 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		Road,Clonmagadden Navan,Co Meath,..Ireland		
Within the Country	20 02 01	No	7.66	biodegradable waste	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 01	No	244.86	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 03	No	59.08	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	135.16	wooden packaging	R13	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03		18 Upper William Street,Limerick,..Ireland		
Within the Country	17 01 01	No	17.06	concrete	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03		Killinagh Upper,Carbury,Co. Kildare,..Ireland		
Within the Country	20 01 01	No	94.94	paper and cardboard mixed construction and demolition wastes other than those mentioned in 17 09 01, 17	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03		Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland		
Within the Country	17 09 04	No	3.38	09 02 and 17 09 03	R13	M	Weighed	Offsite in Ireland	United Metals ,WFP/LK/2010/147A/R1		Eastway Business Park,Ballysimon,Limerick,..Ireland		
Within the Country	15 01 04	No	0.32	metallic packaging	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	1.16	discarded electrical and electronic equipment other than those mentioned in 20 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		

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						Haz Waste: Name and Licence/Permit No of Recover/Disposer	Non Haz Waste: Address of Recover/Disposer		Haz Waste: Name and Licence/Permit No of Recover/Disposer	Non Haz Waste: Address of Recover/Disposer			
Within the Country	20 01 39	No	4.96	plastics	R13	M	Weighed	Offsite in Ireland	Leinster Environmentals,WP 2008/06		Clermont Business Park,Haggardstown,Dundalk, Co. Louth,Ireland Proudstown		
Within the Country	20 03 01	No	239.92	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Midland Waste Disposal Ltd (AES Navan),W0131-02		Road,Clonmagadden Navan,Co Meath,..Ireland		
Within the Country	20 03 01	No	14.58	mixed municipal waste	R3	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03		Killinagh Upper,Carbury,Co. Kildare,..Ireland		
Within the Country	20 03 01	No	293.04	mixed municipal waste	R1	M	Weighed	Offsite in Ireland	Indaver (Ireland) Ltd,W0167-03		Carranstown,Dulleek,Co Meath,..Ireland		
Within the Country	17 01 02	No	8.38	bricks	R13	M	Weighed	Offsite in Ireland	Paddy Daly,.		Killmainham,Kells,Co. Meath,..Ireland		
Within the Country	20 03 07	No	0.0	bulky waste	R13	M	Weighed	Offsite in Ireland	Kyletalesha Landfill Laois Co. Co.,W0026-03		Clonsoughy Kyleclonhobert ,Portlaoise,Co. Laois,..Ireland		
Within the Country	20 03 07	No	10.96	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	29.04	bulky waste	R13	M	Weighed	Offsite in Ireland	O'Toole Composting Ltd,WFP-CW-10-0003-01		Ballinrane,Fenagh,Carlow,..Ireland		
Within the Country	17 01 01	No	54.22	concrete	R13	M	Weighed	Offsite in Ireland	Williams Sand & Gravel,WFT-TS-09-0084-01		Carrickcreegan,..Co. Tipperary,..Ireland		
Within the Country	15 01 03	No	59.08	wooden packaging	R13	M	Weighed	Offsite in Ireland	Paddy Daly,.		Killmainham,Kells,Co. Meath,..Ireland		
Within the Country	17 02 01	No	8.38	wood	R13	M	Weighed	Offsite in Ireland	Paddy Daly,.		Killmainham,Kells,Co. Meath,..Ireland		
Within the Country	20 03 01	No	9738.138	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	AES Portlaoise,W0194-02		Kyletalesha,Mountmellick Road,Portlaoise,Co Laois,Ireland		
Within the Country	20 03 07	No	119.58	bulky waste	R13	M	Weighed	Offsite in Ireland	AES Portlaoise,W0194-02		Kyletalesha,Mountmellick Road,Portlaoise,Co Laois,Ireland		
Within the Country	20 03 07	No	29.04	bulky waste	R13	M	Weighed	Offsite in Ireland	O'Toole Composting Ltd,WFP-CW-10-0003-01		Ballinrane,Fenagh,Carlow,..Ireland		

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