

Facility Information Summary	
AER Reporting Year	2015
Licence Register Number	W0240-01
Name of site	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. 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. Similarily other seperately collected fractions are sent for further processing to various waste operators in Ireland. Waste received in 2015 was within the total waste acceptance allowed under the Waste Licence. There were 4 minor incidents reported to the Agency in 2015 in relation to breach of ELVs. In May for exceedance of ELV's for sewer emission and in July for elevated dust and noise levels above the ELVs of 350mg/m2/day) and 55dB(A) respectively. in The EPA conducted a site visit in May 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.

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

AIR-summary template Lic No: W0240-01 Year 2015

Answer all questions and complete all tables where relevant

1 Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current reporting year and answer further questions. If **you do not have** licensed 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 TableA1 below

yes	
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3 Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist?

[AGN2](#)

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

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision thereof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments -reason for change in % mass load from previous year if applicable
D1	Total Particulates	Quarterly	350mg/m2/day	100 % of values < ELV	378	mg/m2/day	No	Gravmetric		Exceedance of licence limit of 350mg/m2/day with a result of 766mg/m2/day
D2	Total Particulates	Quarterly	350mg/m2/day	100 % of values < ELV	151	mg/m2/day	yes	Gravmetric		
D3	Total Particulates	Quarterly	350mg/m2/day	100 % of values < ELV	149	mg/m2/day	yes	Gravmetric		Exceedance of licence limit of 350mg/m2/day with a result of 587mg/m2/day
D4	Total Particulates	Quarterly	350mg/m2/day	100 % of values < ELV	134	mg/m2/day	yes			

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

AIR-summary template	Lic No: W0240-01	Year	2015
Continuous Monitoring			

4	Does your site carry out continuous air emissions monitoring? If yes please review your continuous monitoring data and report the required fields below in Table A2 and compare it to its relevant Emission Limit Value (ELV)	No	
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 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 A3 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 exceedences in current reporting year	Comments
	SELECT		Monthly average < ELV		SELECT					

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

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

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

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

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

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)

Lic No:

Additional information

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

Yes	
Yes	

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 Storm 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
SW-1	onsite		pH	6.5-9.5	No pH value shall deviate from the specified range.		7.4	pH units	yes	
SW-1	onsite		Conductivity	1000	All results < 1.2 x ELV		335	µS/cm @ 20oC	yes	
SW-1	onsite		COD	130	All results < 1.2 x ELV		41	mg/L	yes	
SW-1	onsite		Ammonia (as N)	2.5	All results < 1.2 x ELV		1.45	mg/L	no (if no please enter details in comments box)	one exceedance on the 29/07/15 with a result of 2.7
SW-1	onsite		Suspended Solids	57	All results < 1.2 x ELV		28	mg/L	no (if no please enter details in comments box)	one exceedance on the 04/03/15 with a result of 60
SW-1	onsite		Mineral oils	0.01	All results < 1.2 x ELV		<0.01	mg/L	yes	

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

Location Reference	Date of inspection	Description of contamination	Source of contamination
			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

SELECT	yes
SELECT	yes

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

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

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	Comments
								Annual Average		

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)							Lic No:			
Emissions to sewer	Wastewater/Sewer	pH	composite	Monthly	Monthly	6 to 10	No pH value shall deviate from the specified range.	7.5	pH units	one exceedance on the 13/05/15 with a results of 5.8
Emissions to sewer	Wastewater/Sewer	COD	composite	Monthly	Monthly	3000	All values < ELV	846	mg/L	one exceedance on the 13/05/15 with a result of 3572
Emissions to sewer	Wastewater/Sewer	BOD	composite	Quarterly	Quarterly	1000	All values < ELV	457	mg/L	On the 13/05/15 result exceed the limit of 1000mg/l with a results of 1219mg/l
Emissions to sewer	Wastewater/Sewer	Suspended Solids	composite	Monthly	Monthly	1000	All values < ELV	310	mg/L	
Emissions to sewer	Wastewater/Sewer	Sulphate	composite	Quarterly	Quarterly	500	All values < ELV	45	mg/L	
Emissions to sewer	Wastewater/Sewer	Detergents (as MBAS)	composite	Quarterly	Quarterly	100	All values < ELV	1.06	mg/L	
Emissions to sewer	Wastewater/Sewer	Fats, Oils and Greases	composite	Quarterly	Quarterly	100	All values < ELV	12	mg/L	
Emissions to sewer	Wastewater/Sewer	Ammonia (as N)	composite	Quarterly	Quarterly	50	All values < ELV	20	mg/L	
Emissions to sewer	Wastewater/Sewer	Ortho-phosphate (as PO4)	composite	Quarterly	Quarterly	-		4.6	mg/L	
Emissions to sewer	Wastewater/Sewer	Hydrocarbons	composite	Quarterly	Quarterly	-		1.2	mg/L	

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

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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

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)

Lic No:

Continuous monitoring

Additional Information

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

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

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

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

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
	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?
						SELECT

*Measures taken or proposed to reduce or limit bypass frequency

Bund testing

dropdown menu click to see options

Additional information

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

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

Yes	
3 years	
Yes	
3	
3	
5	
Yes	
5	
0	
0	
No	

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)
CP60FR Oil Interceptor	reinforced concrete			20m3		Hydraulic test		23/03/2016	Yes	Fail		Repairs scheduled for June 1	Jun-16	
	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?

- 15 Are channels/transfer systems to remote containment systems tested? [bunding and storage guidelines](#)
- 16 Are channels/transfer systems compliant in both integrity and available volume?

Commentary	
Yes	
SELECT	
SELECT	

Pipeline/underground structure testing

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

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

Yes	Scheduled for April 2016
3 years	

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

			Comments
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	no	Please provide an interpretation of groundwater monitoring data in the interpretation box below or if you require additional space please include a groundwater/contaminated land monitoring results interpretaion as an additional section in this AER
2	Are you required to carry out soil monitoring as part of your licence requirements?	no	
3	Do you extract groundwater for use on site? If yes please specify use in comment section	no	
4	Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is there an upward trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below. Groundwater monitoring template	SELECT	N/A
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

Please enter interpretation of data here

Table 1: Upgradient Groundwater monitoring results

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

.+ where average indicates arithmetic mean

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

Table 2: Downgradient Groundwater monitoring results

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

Groundwater/Soil monitoring template Lic No: W0240-01 Year 2015

*please note exceedance of generic assessment criteria (GAC) such as a Groundwater Threshold Value (GTV) or an Interim Guideline Value (IGV) or an upward trend in results for a substance indicates that further interpretation of monitoring results is required. In addition to completing the above table, please complete the Groundwater Monitoring Guideline Template Report at the link provided and submit separately through ALDER as a licensee return or as otherwise instructed by the EPA. [Groundwater monitoring template](#)

More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance (see the link in G31) [Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites \(EPA 2013\).](#)

**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 \(IGV\)](#)

Groundwater/Soil monitoring template

Lic No:

W0240-01

Year

2015

Table 3: Soil results

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

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

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

		Commentary
1	ELRA initial agreement status	Submitted and not agreed by EPA;
2	ELRA review status	Review required and completed
3	Amount of Financial Provision cover required as determined by the latest ELRA	To be agreed
4	Financial Provision for ELRA status	Submitted and not agreed by EPA;
5	Financial Provision for ELRA - amount of cover	To be agreed
6	Financial Provision for ELRA - type	To be agreed
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 completed
10	Financial Provision for Closure status	Submitted and not agreed by EPA;
11	Financial Provision for Closure - amount of cover	To be agreed
12	Financial Provision for Closure - type	To be agreed
13	Financial provision for Closure expiry date	Enter expiry date

Environmental Management Programme/Continuous Improvement Programme template Lic No: W0240-01 Year 2015

Highlighted cells contain dropdown menu click to view		Additional Information	
1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	Yes	The Licensee holds a fully NSAI accredited Integrated Management System. Incorporating Environmental (to ISO 14001:2004), Health and Safety (OHSAS 18001) and Quality (ISO 9002:2000). These management systems are maintained through on site cooperation with the environmental officers and dedicated systems 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 and 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	100	Repair and install roller shutter door on waste processing building	Individual	Reduced emissions
Groundwater protection	Zero risk to groundwater from site activities	100	Conduct CCTV surveys and hydraulic tests on all underground tanks, chambers and pipelines. Work carried out in Q1, 2016. Report to be uploaded to EDEN when received.	Individual	Increased compliance with licence conditions
Reduction of emissions to Water	Construct Firewater Retention Wall	40%	SEW prepared and approved by the Agency in 2011, work has gone out to tender and budget for the work approved, works scheduled for Q2, 2016.	Individual	Increased compliance with licence conditions
Waste reduction/Raw material usage efficiency	Diversion of biodegradable waste from landfill	40	Roll out of bin services in the following towns: Cloughjordan, Shinrone, Borriskane by 1st July 2016.	Section Head	Increased compliance with licence conditions

Noise monitoring summary report Lic No: W0240-01 Year 2015

1 Was noise monitoring a licence requirement for the AER period?
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](#)

3 Does your site have a noise reduction plan

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?

Table N1: Noise monitoring summary											
Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA _{eq}	LA ₁₀	LA ₅₀	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)?
18-19/07/15	30 Mins	N1		59-64	61-64	48-50	78-92	No	SELECT	<u>Site –AES trucks entering yard & engines left running while on weighbridge.</u> <u>Occasional power washing of wheelie bins (40m).</u> <u>Truck engine parked and revving next to noise meter →</u> <u>LAFmax Round 1 Compressor on cardboard compactor audible</u> <u>Background – Heavy traffic on the Limerick Road (dominant), Bird singing.</u>	No
18-19/07/15	30 Mins	N2		55-61	58-66	47-50	78-84	No		<u>Site – Lorry's idling on weighbridge.</u> <u>Passing site traffic (mostly trucks/lorry's) + associated banging and rattling chains on AES skins.</u> <u>Reversing alarms on trucks/machinery</u> <u>Machinery operating in recycling shed.</u> <u>Background –</u> <u>Constant Traffic on Limerick road.</u> <u>Bird singing →</u> <u>Dominant</u>	Yes
18-19/07/15	30 Mins	N3		58-61	62-67	46-49	74-90	No		<u>Site – Lorries idling in yard awaiting entry to waste storage area loading & unloading skins. Rev. alarms. chains rattling.</u> <u>Skin offloaded.</u> <u>LAFmax Round 2</u> <u>Background –</u> <u>Passing traffic on the Dark Road and Bird singing →</u> <u>Continuous.</u>	Yes

18-19/07/15	30 Mins	N4		54-56	56-57	47-49	73-80	No		<u>Site – Machinery operating in waste shed with reversing alarms. Occasional traffic entering/exiting car-park.</u> <u>Background – Passing road traffic on the Kilcolman and Dark Road –</u> <u>Dominant Intermittent banging & air tool use within Comerford's garage</u>	Yes
18-19/07/15	30 Mins		NSL-1	56-60	55-57	46-49	79-85	No		<u>Site – Occasional lorries entering/exiting site (25m).</u> <u>Background – Heavy traffic on Limerick, Kilcolman and Dark Roads – Dominant Intermittent banging & air tool use within Comerford's garage (15m).</u>	Yes
18-19/07/15	30 Mins		NSL-2	51-52	48-50	42-44	78-82	No		<u>Site – Lorry engines + reversing alarms, occasionally faintly audible.</u> <u>Background – Constant heavy traffic on Limerick & Kilcolman Roads –</u> <u>Dominant Bird singing.</u>	Yes

*Please ensure that a tonal analysis has been carried out as per guidance note N4. 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?

request to move noise monitoring locations to more suited locations submitted

** 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
- Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI - Large programme linked to the right? If yes please list them in additional information
- 2 Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information
- 3

Additional information	
Enter date of audit	
SELECT	
SELECT	

Table R1 Energy usage on site				
Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	3989.287353	3246.908571		
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	34.67	29.97		
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)	388.901	316.359		
Natural gas (m3)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

Conversion	2014	2015
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	359672	287,334
Gas Oil	29229	29,025
	3657.504568	2921.899446
	297.112785	295.039125
	3954.617353	3216.938571

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

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

* 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)					

Resource Usage/Energy efficiency summary Lic No: W0240-01 Year 2015

Table R4: Energy Audit finding recommendations								
Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
			SELECT					
			SELECT					
			SELECT					

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

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

WASTE SUMMARY	Lic No: W0240-01	Year: 2015
SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WIPPs	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 ?;

1 (waste generated within your boundaries is to be captured through PRTR reporting)

If yes please enter details in table 1 below

Yes	Additional Information
No	
No	

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

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

Licensed annual tonnage limit for your site (total tonnes/annum)	EWC code	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which applies to relevant EWC code 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 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	150101	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND	Paper and cardboard packaging	641.556	971.07	-34%	decreased commercial activity	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	7	
24750	150102	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND	plastic packaging	175.345	245.88	-29%	decreased commercial activity	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	3	
24750	150103	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND	Wooden packaging	188.3	184.04	2%	Minimal change for 2015	100%	R3-Recycling/reclamation or organic substances which are not used as solvents(including		
24750	150107	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Metallic packaging	371.0401	559.34	-34%	decreased commercial activity	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
24750	170102	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL	Bricks	7.04	0	100%	greater segregation at source	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
24750	170201	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL	Wood from C&D sources	90.82	117.04	-22%		0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	13	
24750	170202	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL	Glass from C&D sources	6.44	0	100%		0%	R5-Recycling/reclamation or other inorganic materials which includes soil celenang resulting in	20	
24750	170203	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL		0.82	0	100%		0%			
24750	170407	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixed C&D Metals	51.13	61.95	-17%	decreased C&D activity	0%	R4- Recycling/reclamation of metals and metal compounds	4.5	
24750	170904	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL	Mixed Construction & Demolition wastes (non-hazardous)	27.78	127.33	-78%	decreased C&D activity	0%	R12-Exchange of waste for submission to any of the operations numbered R1 to R11		
24750	190801	19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE	Screenings (wastes from waste water treatment plants not otherwise specified)	2.92	0.98	198%	improved efficiency of WWTPs	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		

WASTE SUMMARY		Lic No: W0240-01		Year 2015					
24750	200102	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS		27.7	55.14	-50%	Increase in tonnages sent direct to third party during 2014	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)
24750	200108	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS		1591.41	0	100%	new customer	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)
24750	200138	(HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES)	Municipal Wood	1.42	27.72	-95%	Increase in tonnages sent direct to third party during 2014	0%	R3-Recycling/reclamation of organic substances which are not used as solvents(including composting or another biological transformation processes)which
24750	200139	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES)	Municipal Plastic	220.332	333.57	-34%	Increase in tonnages sent direct to third party during 2014	0%	R3-Recycling/reclamation of organic substances which are not used as solvents(including composting or another biological
24750	200140	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES)	Municipal Metals	76.97	109.26	-30%	improved coding practices	0%	R4- Recycling/reclamation of metals and metal compounds
24750	200303	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES)	Street-Cleansing residues	254.23	231.00	10%	Minimal change for 2015	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary
24750	200201	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES)	Biodegradable wastes (from garden and Park wastes)	2.74	7.26	-62%	improved coding practices	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary
24750	200307D	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES)	Domestic Bulky Waste	498.32	384.14	30%		0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary
24750	200307C	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES)	Commercial Bulky Waste	308.30	1429.27	-78%	improved coding practices	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary
24750	200301C	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES)	Commercial Mixed Municipal Waste	5538.76	6220.67	-11%	Minimal change for 2015	0%	R12-Exchange of waste for submission to any of the operations numbered R1 to R11
24750	200301D	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES)	Domestic Mixed Municipal Waste	9024.29	9405.70	-4%	Minimal change for 2015	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary
24750	200301KC	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Commercial Mixed Recyclable Waste	1088.63	1429.27	-24%		0%	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 Recyclable Waste	3328.47	3604.49	-8%	Minimal change for 2015	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)
24750	200301CA	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS		1054.15	0	100%	improved coding practices	0%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)
24750	200301KCA	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS		15.16	0	100%	improved coding practices	0%	R13-Storage of waste pending any of the operations numbered

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

WASTE SUMMARY Lic No: W0240-01 Year 2015

Table 4 Environmental monitoring-landfill [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 SS3(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 / KW/h)	Used on-site or to national grid	Was surface emissions monitoring performed during the reporting year?	Comments
			SELECT	



[Guidance to completing the PRTR workbook](#)

PRTR Returns Workbook

Version 1.1.15

REFERENCE YEAR	2015
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1. FACILITY IDENTIFICATION

Parent Company Name	Advanced Environmental Solutions (Ireland) Limited
Facility Name	Advanced Environmental Solutions (Ireland) Limited (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	Leeanne Timony
AER Returns Contact Email Address	leeanne.timony@bnm.ie
AER Returns Contact Position	EHS Compliance Officer
AER Returns Contact Telephone Number	045439492
AER Returns Contact Mobile Phone Number	0871655318
AER Returns Contact Fax Number	n/a
Production Volume	0.0
Production Volume Units	0
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	10
User Feedback/Comments	n/a
Web Address	

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?	No
If applicable which activity class applies (as per Schedule 2 of the regulations)?	n/a
Is the reduction scheme compliance route being used?	n/a

4. WASTE IMPORTED/ACCEPTED ONTO SITE

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

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities)?	No
---	----

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

4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

| PRTR# : W0240 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Nenagh) | Filename : W0240_2015.xls | Return Year : 2015 |

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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR					Please enter all quantities in this section in KGs				
No. Annex II	POLLUTANT 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

RELEASES TO AIR					Please enter all quantities in this section in KGs				
No. Annex II	POLLUTANT 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)

RELEASES TO AIR					Please enter all quantities in this section in KGs				
Pollutant No.	POLLUTANT 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 Method Code Designation or Description	Facility Total Capacity m3 per hour
Total estimated methane generation (as per site model)	0.0			N/A
Methane flared	0.0			0.0 (Total Flaring Capacity)
Methane utilised in engine/s	0.0			0.0 (Total Utilising Capacity)
Net methane emission (as reported in Section A above)	0.0			N/A

4.2 RELEASES TO WATERS

[Link to previous years emissions data](#)

| PRTR#: W0240 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Nenagh) | Filename : W0240_2015.xls | Return Year : 2015 |

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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

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

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

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

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

4.3 RELEASES TO WASTEWATER OR SEWER

[Link to previous years emissions data](#)

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

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SECTION A : PRTR POLLUTANTS

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

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

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

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

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

4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

| PRTR#: W0240 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Nenagh) | Filename : p14.xls | Return Year : 2015 |

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SECTION A : PRTR POLLUTANTS

POLLUTANT		METHOD			Please enter all quantities in this section in KGs		
RELEASES TO LAND		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)

POLLUTANT		METHOD			Please enter all quantities in this section in KGs		
RELEASES TO LAND		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 : p14.xls | Return Year : 2015]

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Please enter all quantities on this sheet in Tonnes

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Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility	Non	Haz Waste : Address of Next Destination Facility	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 Recoverer/Disposer	Non Haz Waste: Address of Recoverer/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 Thorntons 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	259.08	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,1 2,Ireland		
Within the Country	15 01 01	No	104.06	paper and cardboard packaging	R13	M	Weighed	Offsite in Ireland	Greenstar Ltd,W0082-02		Road,Limerick,,Ireland		
Within the Country	15 01 02	No	46.52	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,1 2,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	105.66	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	120.99	wooden packaging	R13	M	Weighed	Offsite in Ireland	Clonmel Waste Disposal Ltd,WFP-TS-11-0001-01		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,1 2,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	Cappincur Industrial Estate, Daingean Road, Tullamore, Offaly, Ireland
Within the Country	15 01 07	No	421.12 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	30.641 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, Ballynahill, 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	87.02 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	Lawlesstown, Clonmel, Co. Tipperary, Ireland
Within the Country	17 02 01	No	0.0 wood	R13	M	Weighed	Offsite in Ireland	Paddy Daly, Clearcircle Metals (formerly Hegarty Metal Recycling Ltd.),WFP-LKC-11-001-01	Killmainham, Kells, Co. Meath, Ireland
Within the Country	17 04 07	No	0.0 mixed metals	R13	M	Weighed	Offsite in Ireland	United Metals ,WFP/LK/2010/147A/R1	Ballysimon Road, Limerick, Ireland
Within the Country	17 04 07	No	193.246 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	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, Ballynahill, Limerick, Ireland
Within the Country	17 09 04	No	0.0 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	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	1511.8 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	discarded electrical and electronic equipment other than those mentioned in 0.0 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 36	No	discarded electrical and electronic equipment other than those mentioned in 0.0 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	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	Thomtons Recycling Ltd,W0044-02	Killeen 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	Park,Haggardstown,Dundalk,Co. Louth,Ireland
Within the Country	20 01 40	No	14.42 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	1.154 metals	R13	M	Weighed	Offsite in Ireland	United Metals ,WFP/LK/2010/147A/R1 Thomas O'Neill (Timber recycling)	Eastway Business Park,Ballysimon,Limerick,,Ireland
Within the Country	20 02 01	No	0.0 biodegradable waste	R3	M	Weighed	Offsite in Ireland	Ltd,WFP/LK/2012/05B/R1	18 Upper William Street,Limerick,,Ireland
Within the Country	20 03 01	No	294.34 mixed municipal waste	D13	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	4607.59 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,Ballynahill,Limerick,,Ireland
Within the Country	20 03 01	No	2762.68 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	375.28 mixed municipal waste	R12	M	Weighed	Offsite in Ireland	Thomtons Recycling Ltd,W0044-02	Killeen Road,Ballyfermot,Dublin,10,Ireland
Within the Country	20 03 01	No	28.54 mixed municipal 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	1372.1 mixed recyclable 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 Co. Co.,W0026-03	Clonsoughy Kyleclonhobert ,Portlaoise,Co. Laois,,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	Gortadroma,Ballynahill,Limerick,,Ireland
Within the Country	20 03 01	No	12.04 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	3727.415 Mixed Dry Recyclables	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03	Offaly,Ireland
Within the Country	20 03 01	No	4607.59 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	R13	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	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	2762.68 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	8581.217 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 03	No	315.1 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 Proudstown
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 Clonsoughy Kyleclonhobert
Within the Country	20 03 07	No	0.0 bulky waste	R13	M	Weighed	Offsite in Ireland	Kyletalesha Landfill Co. Co.,W0026-03	Portlaoise,Co. Laois,,Ireland Cappincur Industrial Estate,Daingean Road,Tullamore,Co.
Within the Country	20 03 07	No	0.0 bulky waste	R13	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03	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 Kyletalesha,Mountmellick Road,Portlaoise,Co
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	17 04 05	No	0.58 iron and steel	R13	M	Weighed	Offsite in Ireland	United Metals ,WFP/LK/2010/147A/R1	Eastway Business Park,Ballysimon,Limerick,,Ireland

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

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