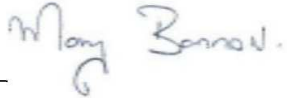


Facility Information Summary	
AER Reporting Year	2017
Licence Register Number	W0104-03
Name of site	AES Tullamore
Site Location	Cappincur, Tullamore, Co. Offaly
NACE Code	3832
Class/Classes of Activity	3rd Schedule Class D12, D13, D14; 4th Schedule Class R3, R4, R5, R12, R13
National Grid Reference (6E, 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 <b>and an overview of compliance with your licence listing all exceedances of licence limits (where applicable) and what they relate to e.g. air, water, noise.</b>	AES Tullamore operates as a Materials Recovery Facility for Mixed Dry Recyables and Waste Transfer Station for Domestic, Commercial, Industrial and C & D wastes. The facility operated within its licence capacity of 60,000tpa in 2017. There were no complaints in 2017. Annual GW monitoring results showed the faecal coliforms were detected at GW2 700 mpn/100ml and total coliforms were detected at GW2 180 mpn/100ml. Results were submitted to the Agency on 23/01/18 (LR033024).

**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.

	15/05/2018
Signature Group/Facility manager (or nominated, suitably qualified and experienced deputy)	Date

<b>AIR-summary template</b>	Lic No: W0104-03	Year	2017
-----------------------------	------------------	------	------

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 <b>you do not have</b> licenced emissions and <b>do not complete a solvent management plan</b> (table A4 and A5) you <u>do not</u> need to complete the tables	Additional information	
	Yes	

<b>Periodic/Non-Continuous Monitoring</b>
---

2 Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below	No	
	Yes	

3 Was all monitoring carried out in accordance with EPA guidance [Basic air monitoring](#) note AG2 and using the basic air monitoring checklist? [checklist](#) [AGN2](#)

**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 therof	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	Three times/yr	350 mg/m2/day	100 % of values ≤ ELV	112	mg/m2/day	yes	Gravimetric		
D2	Total Particulates	Three times/yr	350 mg/m2/day	100 % of values ≤ ELV	208	mg/m2/day	yes	Gravimetric		
D3	Total Particulates	Three times/yr	350 mg/m2/day	100 % of values ≤ ELV	81	mg/m2/day	yes	Gravimetric		
D4	Total Particulates	Three times/yr	350 mg/m2/day	100 % of values ≤ ELV	234	mg/m2/day	yes	Gravimetric		

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

<b>AIR-summary template</b>	Lic No: W0104-03	Year	2017
<b>Continuous Monitoring</b>			

4	Does your site carry out continuous air emissions monitoring?	No	
If yes please review your continuous monitoring data and report the required fields below in Table A2 and compare it to its relevant Emission Limit Value (ELV)			
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below	SELECT	
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	SELECT	
7	Did your site experience any abatement system bypasses? If yes please detail them in table A3 below	SELECT	

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

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

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

**Table A3: Abatement system bypass reporting table**

[Bypass protocol](#)

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

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

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

<b>AIR-summary template</b>		Lic No: W0104-03	Year	2017				
<b>Solvent use and management on site</b>								
8 Do you have a total Emission Limit Value of direct and fugitive emissions on site? if yes please fill out tables A4 and A5				SELECT				
<b>Table A4: Solvent Management Plan Summary</b>		<a href="#">Solvent regulations</a> Please refer to linked solvent regulations to complete table 5 and 6 <b>Total VOC Emission limit value</b>						
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 SELECT SELECT				
<b>Table A5: Solvent Mass Balance summary</b>								
	(I) Inputs (kg)	(O) Outputs (kg)						
Solvent	(I) Inputs (kg)	Organic solvent emission in waste	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g.	Solvents destroyed onsite	Total emission of Solvent to air (kg)
								Total

**AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)** Lic No: W0104-03 Year: 2017

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

Additional information	
Yes	Surface water discharge from site was shut as of the 17th May 2017 (EDEN Notification: SV11856) to prevent any further discharge from the site. The discharge shall remain closed shut until the discharge reaches levels which are below the Trigger Warning Limits as set.
Yes	

**Table W1 Storm water monitoring**

Location reference	Location relative to site activities	PRTR Parameter	Licensed Parameter	Monitoring date	ELV or trigger values in licence or any revision thereof <sup>Note 2</sup>	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
SW-1	onsite	SELECT	BOD	Annual Average	3.72	All values < ELV	2	mg/L	yes	Surface water discharge from site was shut as of the 17th May 2017 (EDEN Notification: SV11856) to prevent any further discharge from the site. The discharge shall remain closed shut until the discharge reaches levels which are below the Trigger Warning Limits as set.
SW-1	onsite	SELECT	COD	Annual Average	50	All values < ELV	24.75	mg/L	yes	
SW-1	onsite	SELECT	Suspended Solids	Annual Average	35	All values < ELV	<5	mg/L	yes	
SW-1	onsite	SELECT	Ammonia (as N)	Annual Average	0.9	All values < ELV	0.0825	mg/L	yes	
SW-1	onsite	SELECT	Mineral oils	Annual Average	0.01	All values < ELV	<0.01	mg/L	yes	
SW-1	onsite	SELECT	pH	Annual Average	6.5 - 9.0	All values < ELV	7.58	pH units	yes	
SW-1	onsite	SELECT	Chlorides (as Cl)	Annual Average	50	All values < ELV	27.75	mg/L	yes	
SW-1	onsite	SELECT	Conductivity	Annual Average	1000	All values < ELV	777.5	µS/cm @20°C	yes	

Note 2 Storm water trigger values (Action Limits)

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

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

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

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

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

No	
Yes	External/Internal Lab. Assessment of Quality checklist. Results checklist

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

Emission reference no:	Emission released to	Parameter/ Substance <sup>Note 1</sup>	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision thereof <sup>Note 2</sup>	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	Comments
EMS	Wastewater/Sewer	Ammonia (as N)	discrete	Quarterly	Quarterly			94	(mg/l)	--	trophotometry (Colorimetry)	APHA / AWWA Standard	Method 4500-NH3		

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)										Lic No:	W0104-03	Year	2017
EMS	Wastewater/Sewer	BOD	discrete	Quarterly	Quarterly			101	(mg/l)	-	Red Oxygen Meter (Electrode)	APHA / AWWA Standard Method 5210-B	
EMS	Wastewater/Sewer	Chloride (as Cl)	discrete	Quarterly	Quarterly			413	(mg/l)	-	Mercuric Chloride Spectrophotometry (Colorimetric)	APHA / AWWA Standard Method 4500-CL-E	
EMS	Wastewater/Sewer	COD	discrete	Quarterly	Quarterly			456	(mg/l)	-	Mercuric Chloride Spectrophotometry (Colorimetric)	APHA / AWWA Standard Method 5220D	
EMS	Wastewater/Sewer	DRO	discrete	Quarterly	Quarterly			0.42	(mg/l)	-	GC (Gas Chromatography)	US EPA Method 8015B	
EMS	Wastewater/Sewer	Mineral oils	discrete	Quarterly	Quarterly			<10	(mg/l)	-	Inductively Coupled Plasma - Mass Spectrometry	APHA / AWWA Standard Method 200.8	
EMS	Wastewater/Sewer	Beryllium	discrete	Quarterly	Quarterly			<2	(µg/l)	-	Inductively Coupled Plasma - Mass Spectrometry	APHA / AWWA Standard Method 200.9	
EMS	Wastewater/Sewer	Aluminium	discrete	Quarterly	Quarterly			482	(µg/l)	-	Inductively Coupled Plasma - Mass Spectrometry	APHA / AWWA Standard Method 200.10	
EMS	Wastewater/Sewer	Chromium	discrete	Quarterly	Quarterly			11.6	(µg/l)	-	Inductively Coupled Plasma - Mass Spectrometry	APHA / AWWA Standard Method 200.11	
EMS	Wastewater/Sewer	Manganeses	discrete	Quarterly	Quarterly			290	(µg/l)	-	Inductively Coupled Plasma - Mass Spectrometry	APHA / AWWA Standard Method 200.12	
EMS	Wastewater/Sewer	Cobalt	discrete	Quarterly	Quarterly			3.74	(µg/l)	-	Inductively Coupled Plasma - Mass Spectrometry	APHA / AWWA Standard Method 200.13	
EMS	Wastewater/Sewer	Nickel	discrete	Quarterly	Quarterly			37.4	(µg/l)	-	Inductively Coupled Plasma - Mass Spectrometry	APHA / AWWA Standard Method 200.14	
EMS	Wastewater/Sewer	Copper	discrete	Quarterly	Quarterly			79.6	(µg/l)	-	Inductively Coupled Plasma - Mass Spectrometry	APHA / AWWA Standard Method 200.15	
EMS	Wastewater/Sewer	Zinc	discrete	Quarterly	Quarterly			394	(µg/l)	-	Inductively Coupled Plasma - Mass Spectrometry	APHA / AWWA Standard Method 200.16	
EMS	Wastewater/Sewer	Arsenic	discrete	Quarterly	Quarterly			10.2	(µg/l)	-	Inductively Coupled Plasma - Mass Spectrometry	APHA / AWWA Standard Method 200.17	
EMS	Wastewater/Sewer	Selenium	discrete	Quarterly	Quarterly			9.14	(µg/l)	-	Inductively Coupled Plasma - Mass Spectrometry	APHA / AWWA Standard Method 200.18	
EMS	Wastewater/Sewer	Silver	discrete	Quarterly	Quarterly			<2	(µg/l)	-	Inductively Coupled Plasma - Mass Spectrometry	APHA / AWWA Standard Method 200.19	
EMS	Wastewater/Sewer	Cadmium	discrete	Quarterly	Quarterly			<0.5	(µg/l)	-	Inductively Coupled Plasma - Mass Spectrometry	APHA / AWWA Standard Method 200.20	
EMS	Wastewater/Sewer	Tin	discrete	Quarterly	Quarterly			<3	(µg/l)	-	Inductively Coupled Plasma - Mass Spectrometry	APHA / AWWA Standard Method 200.21	
EMS	Wastewater/Sewer	Antimony	discrete	Quarterly	Quarterly			<4	(µg/l)	-	Inductively Coupled Plasma - Mass Spectrometry	APHA / AWWA Standard Method 200.22	
EMS	Wastewater/Sewer	Barium	discrete	Quarterly	Quarterly			56.2	(µg/l)	-	Inductively Coupled Plasma - Mass Spectrometry	APHA / AWWA Standard Method 200.23	
EMS	Wastewater/Sewer	Lead	discrete	Quarterly	Quarterly			60.2	(µg/l)	-	Inductively Coupled Plasma - Mass Spectrometry	APHA / AWWA Standard Method 200.24	
EMS	Wastewater/Sewer	Iron	discrete	Quarterly	Quarterly			3.01	(mg/l)	-	Inductively Coupled Plasma - Mass Spectrometry	APHA / AWWA Standard Method 200.25	
EMS	Wastewater/Sewer	Sulphate	discrete	Quarterly	Quarterly			240	(mg/l)	-	Barium Chloride Spectrophotometry (Colorimetric)	APHA / AWWA Standard Method 4500-CL-E	
EMS	Wastewater/Sewer	ph	discrete	Quarterly	Quarterly			7.9	pH Units	-	pH Meter (Electrode)	APHA / AWWA Standard Method 4500-H+B	
EMS	Wastewater/Sewer	Suspended Solids	discrete	Quarterly	Quarterly			150	(mg/l)	-	Gravimetric analysis	APHA / AWWA Standard Method 2540D	

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

**Continuous monitoring**

5 Does your site carry out continuous emissions to water/sewer monitoring? 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/Pipeline testing template			Lic No: W0104-03			Year 2017						
				SELECT								
Storm	pvc	No			CCTV	Yes	Fail					
Foul	pvc	No			CCTV	Yes	Pass	Failure of some sections of the stormwater due to defects.	Repairs carried out October & November 2016 of defects identified in May 2016 - Submitted to Agency as below. Sections still outstanding due to access restrictions. Works on going on storm water lines	April 2017 following installation of additional manhole		

SW & Foul Line integrity testing commenced May 2016, repairs were carried out in October and November 2016 of the defects identified in May 2016. Summary report and Integrity Testing Reports submitted to the Agency 2nd February 2017 (LR027232). RFI submitted (RI006954) 20th February 2016. Further integrity testing carried out in March 2017 - ongoing at the site due to access restrictions and the requirement to install an additional manhole at the site to facilitate access

<b>Groundwater/Soil monitoring template</b>	Lic No: W0104-03	Year 2017
---	------------------	-----------

			Comments	
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	yes	Please provide an interpretation of groundwater monitoring data in the interpretation box below or if you require additional space please include a groundwater/contaminated land monitoring results interpretation as an additional section in this AER  Quarterly monitoring was completed at 1 upgradient well (GW-1A) and 2 downgradient wells (GW2&GW3). The following exceedances were notes: Annual monitoring results showed the faecal coliforms were detected at GW2 700 mpn/100ml and total coliforms were detected at GW2 180 mpn/100ml. Results were submitted to the Agency on 23/01/18 (LR033024).	
2	Are you required to carry out soil monitoring as part of your licence requirements?	no		
3	Do you extract groundwater for use on site? If yes please specify use in comment section	no		
4	Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is there an upward trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below.	<a href="#">Groundwater monitoring template.</a> yes		
5	Is the contamination related to operations at the facility (either current and/or historic)			
6	Have actions been taken to address contamination issues? If yes please summarise remediation strategies proposed/undertaken for the site	no		NOT APPLICABLE
7	Please specify the proposed time frame for the remediation strategy	SELECT		NOT APPLICABLE
8	Is there a licence condition to carry out/update ELRA for the site?	SELECT		NOT APPLICABLE
9	Has any type of risk assessment been carried out for the site?	SELECT		NOT APPLICABLE
10	Has a Conceptual Site Model been developed for the site?	SELECT		NOT APPLICABLE
11	Have potential receptors been identified on and off site?	SELECT		NOT APPLICABLE
12	Is there evidence that contamination is migrating offsite?	SELECT		NOT APPLICABLE

**Table 1: Upgradient Groundwater monitoring results**

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	IGV	Upward trend in pollutant concentration over last 5 years of monitoring data
Quarterly	GW1A	pH	APHA 2012 4500 H&B	Quarterly	7.8	7.7	pH Units	-	≥6.5 and ≤9.5	no
Quarterly	GW1A	Conductivity	APHA 2012 2510B	Quarterly	552	531	µS/cm	800 – 1875	1000	no
Quarterly	GW1A	Ammonia as NH3	APHA 2012 4500-NH3 and bluebook Ammonia	Quarterly	0.13	0.09	mg/l	0.05-0.136		no
Quarterly	GW1A	Ammonium	APHA 2012 4500-NH4 and bluebook Ammonia in waters 1981	Quarterly	0.17	0.12	mg/l	0.065-0.176	0.01	no
Quarterly	GW1A	DRO	Gas Chromatography	Quarterly	0	<0.01	mg/l	0.01	0.01	no
02/11/2017	GW1A	COD	APHA 2012 5220D	Annually	<10	<10	mg/l			no
02/11/2017	GW1A	Nitrate as NO3	APHA 2012 4500-NO3B. Colorimetric Method	Annually	<0.045	<0.045	mg/l	37.5	25	no

Groundwater/Soil monitoring template				Lic No:	W0104-03	Year	2017			
02/11/2017	GW1A	Total Nitrogen	APHA 2012 4500-NO <sub>2</sub> B. Colorimetric Method	Annually	<1	<1	mg/l			no
02/11/2017	GW1A	TOC	TOC Analyser	Annually	<5	<5	mg/l			no
02/11/2017	GW1A	Chloride	APHA 2012 4500-CL-E	Annually	12	12	mg/l		30	no
02/11/2017	GW1A	Fluoride	APHA 2012 4110B	Annually	0.2	0.2	mg/l		1	no
02/11/2017	GW1A	Sulphate	APHA 2012 4110B	Annually	8.1	8.1	mg/l	187.5	200	no
02/11/2017	GW1A	Faecal Coliforms	MTM025	Annually	7	7	MPN / 100 ml	0	0	no
02/11/2017	GW1A	Total Coliforms	MTM025	Annually	0	0	MPN / 100 ml	0	0	no
02/11/2017	GW1A	Arsenic - dissolved	ICP-MS Based on EPA Method 200.8	Annually	2.5	2.5	ug/l	7.5	10	no
02/11/2017	GW1A	Mercury - dissolved	ICP-MS	Annually	<0.001	<0.001	ug/l	0.01	0.01	no
02/11/2017	GW1A	VOC's USEPA 524.2 list	GC-FID, GC-MS Based on USEPA 524.2 method	Annually	<0.001	<0.001	ug/l	-	-	no

.+ 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*	IGV	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
Quarterly	GW2	pH	APHA 2012 4500 H&B	Quarterly	7.7	7.6	pH Units	-	≥6.5 and ≤9.5	no
Quarterly	GW2	Conductivity	APHA 2012 2510B	Quarterly	581	546	µS/cm	800 – 1875	1000	no
Quarterly	GW2	Ammonia as NH <sub>3</sub>	APHA 2012 4500-NH <sub>3</sub> and bluebook Ammonia in waters 1981	Quarterly	0.2	0.1	mg/l	0.065-0.175		no
Quarterly	GW2	Ammonium	APHA 2012 4500-NH <sub>4</sub> and bluebook Ammonia in waters 1981	Quarterly	0.257142857	0.170357143	mg/l	0.065-0.176	0.01	no
Quarterly	GW2	DRO	Gas Chromatography	Quarterly	0.02	0.02	mg/l	0.01	0.01	no
02/11/2017	GW2	COD	APHA 2012 5220D	Annually	<10	<10	mg/l			no
02/11/2017	GW2	Nitrate as NO <sub>3</sub>	APHA 2012 4500-NO <sub>2</sub> B. Colorimetric Method	Annually	<0.045	<0.045	mg/l	37.5	25	no
02/11/2017	GW2	Total Nitrogen	APHA 2012 4500-NO <sub>2</sub> B. Colorimetric Method	Annually	<1	<1	mg/l			no
02/11/2017	GW2	TOC	TOC Analyser	Annually	<5	<5	mg/l			no
02/11/2017	GW2	Chloride	APHA 2012 4500-CL-E	Annually	12	12	mg/l		30	no
02/11/2017	GW2	Fluoride	APHA 2012 4110B	Annually	0.18	0.18	mg/l		1	no
02/11/2017	GW2	Sulphate	APHA 2012 4110B	Annually	9.7	9.7	mg/l	187.5	200	no
02/11/2017	GW2	Faecal Coliforms	MTM025	Annually	700	700	MPN / 100 ml	0	0	yes
02/11/2017	GW2	Total Coliforms	MTM025	Annually	180	180	MPN / 100 ml	0	0	yes
02/11/2017	GW2	Arsenic - dissolved	ICP-MS Based on EPA Method 200.8	Annually	4.09	4.09	ug/l	7.5	10	no

Groundwater/Soil monitoring template				Lic No:	W0104-03	Year	2017			
02/11/2017	GW2	Mercury - dissolved	ICP-MS	Annually	<0.001	<0.001	ug/l	0.01	0.01	no
02/11/2017	GW2	VOC's USEPA 524.2 list	GC-FID, GC-MS Based on USEPA 524.2 method	Annually	<0.001	<0.001	ug/l		-	no
Quarterly	GW3	pH	APHA 2012 4500 H&B	Quarterly	7.7	7.6	pH Units	-	≥6.5 and ≤9.5	no
Quarterly	GW3	Conductivity	APHA 2012 2510B	Quarterly	581	546	µS/cm	800 – 1875	1000	no
Quarterly	GW3	Ammonia as NH3	APHA 2012 4500-NH3 and bluebook Ammonia in waters 1981	Annually	0.2	0.1	mg/l	0.065-0.175		no
Quarterly	GW2	Ammonium	APHA 2012 4500-NH4 and bluebook Ammonia in waters 1981	Quarterly	0.257142857	0.170357143	mg/l	0.065-0.176	0.01	no
Quarterly	GW3	DRO	Gas Chromatography	Quarterly	0.02	0.02	mg/l	0.01	0.01	no
02/11/2017	GW3	COD	APHA 2012 5220D	Annually	34	34	mg/l			no
02/11/2017	GW3	Nitrate as NO3	APHA 2012 4500-NO3.B. Colorimetric Method	Annually	<0.045	<0.045	mg/l	37.5	25	no
02/11/2017	GW3	Total Nitrogen	APHA 2012 4500-NO3.B. Colorimetric Method	Annually	<1	<1	mg/l			no
02/11/2017	GW3	TOC	TOC Analyser	Annually	<5	<5	mg/l			no
02/11/2017	GW3	Chloride	APHA 2012 4500-CL-E	Annually	14	14	mg/l		30	no
02/11/2017	GW3	Fluoride	APHA 2012 4110B	Annually	0.18	0.18	mg/l		1	no
02/11/2017	GW3	Sulphate	APHA 2012 4110B	Annually	10	10	mg/l	187.5	200	no
02/11/2017	GW3	Faecal Coliforms	MTM025	Annually	21	21	MPN / 100 ml	0	0	no
02/11/2017	GW3	Total Coliforms	MTM025	Annually	9	9	MPN / 100 ml	0	0	no
02/11/2017	GW3	Arsenic - dissolved	ICP-MS Based on EPA Method 200.8	Annually	2.37	2.37	ug/l	7.5	10	no
02/11/2017	GW3	Mercury - dissolved	ICP-MS	Annually	<0.001	<0.001	ug/l	0.01	0.01	no
02/11/2017	GW3	VOC's USEPA 524.2 list	GC-FID, GC-MS Based on USEPA 524.2 method	Annually	<0.001	<0.001	ug/l		-	no
<p>*please note exceedance of generic assessment criteria (GAC) such as a Groundwater Threshold Value (GTV) or an Interim Guideline Value (IGV) or an upward trend in results for a substance indicates that further interpretation of monitoring results is required. In addition to completing the above table, please complete the Groundwater Monitoring Guideline Template Report at the link provided and submit separately through ALDER as a licensee return or as otherwise instructed by the EPA. <a href="#">Groundwater monitoring template</a></p>										
<p>More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance (see the link in G31). <a href="#">Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites (EPA 2013)</a></p>										
<p>**Depending on location of the site and proximity to other sensitive receptors alternative Receptor based Water Quality standards should be used in addition to the GTV e.g. if the site is close to surface water compare to Surface Water Environmental Quality Standards (SWEQS), If the site is close to a drinking water supply compare results to the Drinking Water Standards (DWS). <a href="#">Surface water EQS</a>, <a href="#">Groundwater regulations GTV's</a>, <a href="#">Drinking water (private supply) standards</a>, <a href="#">Drinking water (public supply) standards</a>, <a href="#">Interim Guideline Values (IGV)</a></p>										

<b>Groundwater/Soil monitoring template</b>	Lic No:	W0104-03	Year	2017
---	---------	----------	------	------

**Table 3: Soil results**

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

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

**Environmental Liabilities template**

Lic No:

W0104-03

Year

2017

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

		Commentary	
1	ELRA initial agreement status	Submitted and agreed by EPA	
2	ELRA review status	Review required and completed	
3	Amount of Financial Provision cover required as determined by the latest ELRA	€1,631,172	
4	Financial Provision for ELRA status	Submitted and agreed by EPA	
5	Financial Provision for ELRA - amount of cover	€1,631,172	
6	Financial Provision for ELRA - type	Other please specify	PCG
7	Financial provision for ELRA expiry date		
8	Closure plan initial agreement status	Closure plan submitted and agreed by EPA	
9	Closure plan review status	Review required and	
10	Financial Provision for Closure status	Submitted and agreed by EPA	Costing under review
11	Financial Provision for Closure - amount of cover	No expiration specified.	€115,432.90
12	Financial Provision for Closure - type	Other please specify	PCG
13	Financial provision for Closure expiry date	No expiration specified.	No expiration specified.

**Noise monitoring summary report** Lic No: W0104-03 Year 2017

- 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?  Yes
- 3 Does your site have a noise reduction plan  No
- 4 When was the noise reduction plan last updated? Enter date
- 5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?  No

**Table N1: Noise monitoring summary**

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA <sub>95t</sub>	LA <sub>90</sub>	LA <sub>10</sub>	LA <sub>max</sub>	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)?
27/06/2017	30 Mins (Day)	N1		61-63	55-59	63-65	74-84	No	No	<b>Site</b> – Machinery from main recycling shed clearly audible through open door - Intermittently dominant. <b>Background</b> – Passing traffic on Daingain Rd. Intermittently dominant.	Yes
27/06/2017	30 Mins (Day)	N2		61-67	52-57	69-71	81-83	No	No	<b>Site</b> – Yard sweeper in operation. Trucks exiting site, engine revving. Hydraulic brakes faintly audible in brief absence of background noise. <b>Background</b> – Continuous passing traffic on Tullamore Bypass (100m) and heavy traffic on the Tullamore/Daingain Rd. (10m) - dominant.	Yes
27/06/2017	30 Mins (Day)	N3		60-61	52-57	63-63	72-75	No	No	<b>Site</b> –Fork lift occasionally audible. Faint, intermittent hum of machinery from inside main shed. Street sweeper operational in back yard. <b>Background</b> - Occasional dogs barking from adjacent dog pound. Heavy traffic on N52 (60m) audible - dominant.	Yes
27/06/2017	30 Mins (Day)	N4		65-67	53-59	68-71	78-85	No	No	<b>Site</b> – Engine revving can be heard in absence of background noise. Occasional bang of steel bucket off concrete. <b>Background</b> – Heavy traffic on N52. dominant. Alarms occasionally sounding from adjacent site. Birds singing overhead.	Yes
27/06/2017	30 Mins (Day)	NSL	NSL	55-58	49-52	58-61	64-76	No	No	<b>Site</b> – Not audible during measurement period. <b>Background</b> – Traffic on N52 and approaching roundabout continuous and heavy - dominant. Vehicles entering and exiting adjacent garage. Trucks accelerating - LAFmax	Yes
27/06/2017	30 Mins (Eve)	N1		56	53	60	71	No	No	<b>Site</b> – Movement of machinery can be heard from within recycling shed while door is open in absence of background noise. <b>Background</b> – N52 Traffic - dominant	Yes
27/06/2017	30 Mins (Eve)	N2		63	60	65	74	No	No	<b>Site</b> – Machine running in recycling shed clearly audible - dominant <b>Background</b> – Low to medium traffic on N52	Yes
27/06/2017	30 Mins (Eve)	N3		61	47	65	76	No	No	<b>Site</b> – Machinery activity audible at times of low background noise. Forklift occasionally audible <b>Background</b> – Dogs barking continuously from adjacent pound – dominant Road traffic occasionally audible when barking ceases.	Yes
27/06/2017	30 Mins (Eve)	N4		62	49	66	79	No	No	<b>Site</b> – Not audible during measurement period <b>Background</b> – Traffic on N52 - dominant. Alarm can be heard in distance.	Yes
27/06/2017	30 Mins (Eve)	NSL	NSL	54	47	58	74	No	No	<b>Site</b> – Not audible during measurement period. <b>Background</b> –N52 and traffic approaching roundabout - Intermittently dominant. Traffic entering and exiting garage Intermittently dominant Vehicle Horn beep LAFmax	Yes
27/06/2017	7 Mins (Night)	N1		54	50	56	75	No	No	<b>Site</b> – Machinery from main recycling shed clearly audible through open door - Intermittently dominant. <b>Background</b> – Passing traffic on Daingain Rd. Intermittently dominant.	Yes
27/06/2017	7 Mins (Night)	N2		61	50	58	84	No	No	<b>Site</b> – Machinery from main recycling shed somewhat audible at times <b>Background</b> – Passing traffic on N52/Daingain Rd. Motorbike passes at speed LAFmax	Yes

27/06/2017	7 Mins (Night)	N3		64	48	70	75	No	No	Site – Machinery from main recycling shed faintly audible in absence of background noise. Background – Dogs barking and whining continuously - dominant.	Yes
27/06/2017	7 Mins (Night)	N4		63	45	70	81	No	No	Site – Site not audible during measurement period. Background – N52 traffic - dominant. Elevated background approaching traffic.	Yes
27/06/2017	10 Mins (Night)	NSL	NSL	52	43	56	70	No	No	Site – Machinery operating in main recycling shed faintly audible in absence of background noise. Background – Low to medium traffic on N52 and approaching roads - dominant.	Yes
24/09/2017	30 Mins (Day)	N1		62-63	56-59	64	78-83	No	No	Site – Occasional screech or hydraulic brakes. Trucks engines idling at weighbridge, Trucks passing meter, chains banging against skips, reversing beacons sounding. Faint hum of machinery audible from inside main shed. Trucks engines idling at weighbridge. Background – Continuous passing traffic on N52 (25m) and occasional screech of brakes from approaching traffic-dominant. Ambulance siren round 3	Yes
24/09/2017	30 Mins (Day)	N2		63-67	56-58	67-70	78-89	No	No	Site – Trucks exiting site, engine revving, fork lift moving about the site, occasional bang of steel and operations from within reception shed. Hydraulic brakes faintly audible in brief absence of background noise. Background – Continuous passing traffic on Tullamore Bypass (100m) and heavy traffic on the Tullamore/Daingean Rd. (10m) - dominant. Grass cutting intermittent and dominant.	Yes
24/09/2017	30 Mins (Day)	N3		65-66	57-58	68-70	77-79	No	No	Site – Fork lift occasionally audible. Faint, intermittent hum of machinery from inside main shed. Reversing beacons audible. Background – Dogs barking continuously from adjacent dog pound. Heavy traffic on N52 (60m) audible - dominant.	Yes
24/09/2017	30 Mins (Day)	N4		66-69	53-59	67-74	81-88	No	No	Site – Operations from within recycling shed, forklift movement. Engine revving in yard and reversing beacons. Background – Heavy traffic on N52. dominant. Dogs barking in neighbouring dog pound. Birds singing overhead.	Yes
24/09/2017	30 Mins (Day)	NSL	NSL	57-57	51-53	60-60	70-72	No	No	Site – Not audible during measurement period. Background – Traffic on N52 and approaching roundabout continuous and heavy - dominant. Vehicles entering and exiting adjacent garage. Power washer operating in garage. Trucks accelerating and idling in garage - LAFmax	Yes
11/09/2017	30 Mins (Eve)	N1		55	51	56	71	No	No	Site – Continuous rumble of conveyor belt, reverse beacons and glass bottle breakage. Background – N52 Traffic - dominant	Yes
11/09/2017	30 Mins (Eve)	N2		61	44	63	82	No	No	Site – Faint hum from facility, occasional beeping of doors. Background – Traffic on Tullamore Daingean Rd. Intermittently dominant. Roar of traffic on N52 Intermittently dominant.	Yes
11/09/2017	30 Mins (Eve)	N3		58	51	62	72	No	No	Site – Machinery activity audible at times of low background noise. Forklift occasionally audible, steel banging within shed. Background – Dogs barking continuously from adjacent pound – dominant Road traffic occasionally audible when barking ceases.	Yes
11/09/2017	30 Mins (Eve)	N4		63	54	67	73	No	No	Site – Reverse beacon sounding and truck movement about the site. Background – Traffic on N52 - dominant. Dogs barking continuously from adjacent pound.	Yes
27/09/2017	30 Mins (Eve)	NSL	NSL	54	47	57	69	No	No	Site – Not audible during measurement period. Background –N52 and traffic approaching roundabout - Intermittently dominant. Traffic entering and exiting garage Intermittently dominant	Yes
27/09/2017	7 Mins (Night)	N1		57	52	59	69	No	No	Site – Machinery from main recycling shed clearly audible through open door - Intermittently dominant. Background – Passing traffic on Daingean Rd. Intermittently dominant.	Yes



27/09/2017	7 Mins (Night)	N2		55	44	55	74	No	No	Site – Machinery from main recycling shed somewhat audible at times Background – Traffic on Daingain Rd. - dominant.	Yes
27/09/2017	7 Mins (Night)	N3		56	45	61	58	No	No	Site – Machinery from main recycling shed faintly audible in absence of background noise. Background – Passing traffic on N52/Daingain Rd. Dogs barking in dog pound.	Yes
27/09/2017	7 Mins (Night)	N4		52	43	57	64	No	No	Site – Faint hum from within recycling shed. Background – N52 traffic - dominant. Elevated background approaching traffic.	Yes
27/09/2017	10 Mins (Night)	NSL	NSL	51	42	51	68	No	No	Site – Site not audible during measurement period. Background – Low to medium traffic on N52 and approaching roads - dominant.	Yes
08/12/2017	30 Mins (Day)	N1		66-68	54-59	70-72	82-84	No	No	Site – Traffic entering and exiting site within 20m of meter. Idling trucks on weighbridge and queuing for weighbridge. Hum of machinery in waste shed audible through open door. Reversing beacons audible from trucks and fork lifts. Background – Continuous passing traffic on N52 (25m) - dominant. Aircraft passing over head during round 1	Yes
08/12/2017	30 Mins (Day)	N2		62-64	58-59	65-66	77-94	No	No	Site – Traffic entering and exiting site. Low level hum of machinery audible from waste shed. Background – Continuous passing traffic on Tullamore Bypass (100m) and heavy traffic on the Tullamore/Daingean Rd. (10m) - dominant. Bird calls. Car horn sounding during round 3 LAFmax.	Yes
08/12/2017	30 Mins (Day)	N3		65-67	55-60	68-70	78-82	No	No	Site – Idling truck engines, movement of wheelee bins by forklift, Reversing beacons. Background – Heavy traffic on N52. dominant. Dogs barking in neighbouring dog pound. Birds singing overhead.	Yes
08/12/2017	30 Mins (Day)	N4		58-64	59-60	61-66	78-81	No	No	Site – Idling truck engines, movement of pallets onto and off of trucks. Truck horn sounded during round 2. Reversing beacons. Background – Heavy traffic on N52. dominant. Dogs barking in neighbouring dog pound. Birds singing overhead.	Yes
08/12/2017	30 Mins (Day)	NSL	NSL	52-63	45-52	55-70	76-85	No	No	Site – Revers beacon faintly audible. Background – Traffic on N52 and approaching roundabout continuous and heavy - dominant. Vehicles entering and exiting adjacent garage. Power washer operating in garage.	Yes
20/12/2017	30 Mins (Eve)	N1		61	38	61	85	No	No	Site –Rumble of fans and conveyor belt from shed. Noise of gate opening and closing. Beeping from gate control. Machinery audible in shed. Background – N52 Traffic - dominant	Yes
20/12/2017	30 Mins (Eve)	N2		56	51	58	83	No	No	Site – fans, conveyor belt and machinery audible from shed. Alarm beeping. Background – Traffic on Tullamore Daingean Rd dominant. Roar of traffic on N52 dominant.	Yes
20/12/2017	30 Mins (Eve)	N3		67	50	64	98	No	No	Site – Reverse beacon sounding and truck/forklift movement about the site. Moving pallets and wrapping recyclables. Truck horn sounding - LAFmax Background – Dogs barking from adjacent pound. Road traffic occasionally audible. Intermittently dominant	Yes
20/12/2017	30 Mins (Eve)	N4		56	49	59	78	No	No	Site – Reverse beacon sounding and truck movement about the site. Noise of conveyor belts audible from shed. Background – Traffic on N52 - dominant. Dogs barking continuously from adjacent pound.	Yes
20/12/2017	30 Mins (Eve)	NSL	NSL	50	37	52	81	No	No	Site – Reversing beacons and noise from shed faintly audible – wind from the east. Background –N52 and traffic approaching roundabout - dominant.	Yes

20/12/2017	7 Mins (Night)	N1		56	47	60	69	No	No	<p><b>Site</b> – Track machinery entering and exiting shed. Reversing beacons. Conveyor belts audible. Staff talking outside shed audible.</p> <p><b>Background</b> – Passing traffic on Daingain Rd. Intermittently dominant.</p>	Yes
20/12/2017	7 Mins (Night)	N2		55	53	57	61	No	No	<p><b>Site</b> – Machinery and conveyor belts audible. (Due to open shed door).</p> <p><b>Background</b> – Traffic on Daingain Rd. - Intermittently dominant</p>	Yes
20/12/2017	7 Mins (Night)	N3		55	49	57	71	No	No	<p><b>Site</b> – Machinery from main recycling shed faintly audible fans and conveyor belts audible, reversing beacons.</p> <p><b>Background</b> – Passing traffic on N52/Daingain Rd. Dogs barking in dog pound.</p>	Yes
20/12/2017	7 Mins (Night)	N4		60	48	63	76	No	No	<p><b>Site</b> – reversing beacons, people talking, noise from conveyor belts, fork lift passing with 10m of meter. Moving waste balls out of waste shed.</p> <p><b>Background</b> – N52 traffic dominant - Dogs barking.</p>	Yes
20/12/2017	10 Mins (Night)	NSL	NSL	54	37	55	74	No	No	<p><b>Site</b> – conveyor belts and machinery faintly audible due to open door.</p> <p><b>Background</b> – Low to medium traffic on N52 and approaching roads - dominant.</p>	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? Noise recorded at NSL was attributed to offsite sources with the dominant source being traffic on the Tullamore bypass. Tonal noise was detected during the third round of monitoring at the NSL; 40.8 dB(A) at 12.5kHz which was attributed to screeching breaks.

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 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

Additional information	
	2018
No	Currently in the process of gaining ISO5001 across all of Bord na Mona
No	

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	5677.17	5233.73	-8%	
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)	305.43	428.434	29%	
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)	535.56	481.03	-10%	
Natural gas (m3)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

	2016	2017	
<b>DERV</b>	411709	370272	litrs
<b>Gas Oil</b>	147113	102799.3	litrs
	4186.668821	3765.295968	kwh
	1495.403645	1044.954885	kwh
	5682.072466	4810.250853	

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

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

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

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

**Resource Usage/Energy efficiency summary** Lic No: W0104-03 Year 2017

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					

<b>Environmental Management Programme/Continuous Improvement Programme template</b>	Lic No:	W0104-03	Year	2017
---	---------	----------	------	------

	Highlighted cells contain dropdown menu click to view	Additional Information
1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	The Licensee holds a fully NSAI accredited Intergrated Management System incorporating Environmental (ISO 14001), Health and Safety (OHSAS 18001) and (Quality ISO9002). These management systems are maintained through on-site co-operation with the Environmental Officers and dedicated systems co-ordinators. 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. An aspects register is maintained on-site 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. Environmental Objectives and Targets are set on an annual basis.
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. Any member of the public can request access to such information

**Environmental Management Programme (EMP) report**

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Reduction of emissions to Water	Reduce frequency of storm water discharge exceedances	100	Upgrade of hardstand both in the yard and inside the waste sheds as highlighted in the preventative maintenance plan for the site and in line with SEW submitted and approved by the Agency	Section Head	Improved Environmental Management Practices
Energy Efficiency/Utility conservation	Reduce the overall volume of diesel used by 2020	70	Reroute completed in 2017 to improve efficiencies. SupaTrak fitted in all vehicles to monitor fuel efficiency. Upgrade of the AES Tullamore fleet to include new RCVs to deliver better fuel consumption rates.	Individual	Reduced emissions
Energy Efficiency/Utility conservation	To reduce the energy consumed in running the facility	100	Install LED lighting in the processing sheds to reduce energy consumption	Section Head	Reduced emissions

Environmental Management Programme/Continuous Improvement Programme template				Lic No:	W0104-03	Year	2017
Additional improvements	Maintenance of Intergrated Management Systems and continued monitoring of Licence compliance as outlined in Licence W0104-03	90	On-going requirement	Individual		Increased compliance with licence conditions	
Additional improvements	Continual diversion of odourous material from site	80	Diversion of odourous material from site to limit odour nuisance generation	Section Head		Less complaints - No complaints received in to site in 2017.	



## WASTE SUMMARY

## SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILIT

## 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

**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 <a href="#">European Waste Catalogue EWC codes</a>	Source of waste accepted	Description of waste accepted <b>Please enter an accurate and detailed description - which applies to relevant EWC code</b> <a href="#">European Waste Catalogue EWC codes</a>	Quantity of waste accepted in current reporting year (tonnes)	Quantity of waste remaining on site at the end of reporting year (tonnes)	Comments -
60000	07 05 14	07- WASTES FROM ORGANIC CHEMICAL PROCESSES	Shredded Blister packs	19.48		
	15 01 01	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	paper and cardboard packaging	3823.2	94.62	
	15 01 02	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Plastic Packaging	780.464		
	15 01 03	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	wooden packaging	213.92		
	15 01 04	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	metallic packaging	0		
	15 01 05	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	composite packaging	24.23		
	15 01 06	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	mixed packaging	22.16		
	16 01 03	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	end-of-life-tyres	0		
	17 01 01	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	concrete	2.48		
	17 01 02	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	bricks	0		
	17 01 07	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	mixture of concrete, bricks, tiles and ceramics other than those mentioned in 170106	3.57		
		17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM				



WASTE SUMMARY						
	17 02 02	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	C & D glass		0	
	17 04 02	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Aluminium		0	
	17 04 07	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixed C & D metals		32.68	
	17 06 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Insulation materials other than those mentioned in 17 06 01 and 1706 03		3.88	
	17 08 02	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Gypsum-based construction material (non-hazardous)		0	
	17 09 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixed C & D wastes		154.83	
	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)	Healthcare Wastes (non-hazardous)		407.05	
	19 08 05	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	sludges from treatment of urban waste water		0	
	19 12 01	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	paper and cardboard		3419.994	
	19 12 07	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	Wood other than that mentioned in 19 12 06		1.88	
	19 12 10	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	Combustable waste (refuse derived fuel)		327.24	
	19 12 12	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	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11		30.02	
	20 01 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	paper and cardboard		17.395	
	20 01 02	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	municipal glass		8.52	
	20 01 35	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Hazardous WEEE (White goods)		5.08	
	20 01 36	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Non-hazardous WEEE (White goods)		0	
	20 01 38	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Wood (Municipal - separately collected fraction)		70.8	
	20 01 39	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Plastic (Municipal - Separately collected fraction)		45.912	
	20 01 99	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Crockery (other fractions not otherwise specified)		0	

WASTE SUMMARY						
	20 01 40	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Metals (Municipal - Separately collected fraction)	60.71		
	20 02 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Garden and Park wastes	12.32	4	
	20 03 03	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Street Cleansing Residues	112.32		
	15 01 07	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Glass packaging from Domestic Sources	50.58		
	15 01 07	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Glass packaging from Commercial Sources	33.18		
	20 01 08	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Biodegradable kitchen and canteen wastes (commercial)	87.56		
	20 01 08	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Biodegradable kitchen and canteen wastes (domestic)	799.27	18	
	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Municipal Waste (Commercial)	9849.46		
	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Municipal Waste (Domestic)	7868.02	100	
	20 03 07	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Bulky Waste (Commercial)	118.49		
	20 03 07D	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Bulky Waste (Domestic)	434.03		
	17 05 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Soil & Stones	0		
	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Domestic Bulky Waste	0		
	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Dry Recyclables (Commercial)	4128.18		
	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Dry Recyclables (Domestic)	25333.91	663.99	
	16 01 20	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	Windscreen Glass	0		
	16 07 08	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	Waste Containing Oil	6.28		
	16 02 14	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	Discarded Electrical Equipment	0.56		
	17 03 02	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	non-hazardous bituminous mixtures	13.52		
	19 08 01	19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN	Screenings	19.04		
	19 09 01	19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN	Solid Waste from Primary Filtration and Screenings	24.86		
	19 12 05	19- WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN	Glass	0		
				58433.787		

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

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

<b>WASTE SUMMARY</b>
----------------------

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

6 Does your facility have relevant nuisance controls in place?

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

8 Do you maintain a sludge register on site?

<b>SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY</b>
---

**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

**Table 3 General information-Landfill only**

Area ID	Date landfilling commenced	Date landfilling ceased	Currently landfilling	Private or Public Operated	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 only**

[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

+ 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
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?

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

Volume of leachate in reporting year(m3)	Leachate (BOD) mass load (kg/annum)	Leachate (COD) mass load (kg/annum)	Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum

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

**Table 7 Landfill Gas-Landfill only**

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

[Guidance to completing the PRTR workbook](#)

# PRTR Returns Workbook

Version 1.1.19

<b>REFERENCE YEAR</b>	2017
-----------------------	------

## 1. FACILITY IDENTIFICATION

Parent Company Name	Advanced Environmental Solutions (Ireland) Limited
Facility Name	Advanced Environmental Solutions (Ireland) Limited (Tullamore)
PRTR Identification Number	W0104
Licence Number	W0104-03

### Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Cappincur Industrial Estate
Address 2	Cappincur
Address 3	Tullamore
Address 4	
	Offaly
Country	Ireland
Coordinates of Location	-7.36043 53.5185
River Basin District	I EGBNISH
NACE Code	3832
Main Economic Activity	Recovery of sorted materials
<b>AER Returns Contact Name</b>	Mary Bannon
<b>AER Returns Contact Email Address</b>	mary.bannon@bnm.ie
<b>AER Returns Contact Position</b>	Environmental Compliance Officer
<b>AER Returns Contact Telephone Number</b>	087 6846448
<b>AER Returns Contact Mobile Phone Number</b>	087 6846448
<b>AER Returns Contact Fax Number</b>	
<b>Production Volume</b>	0.0
<b>Production Volume Units</b>	
<b>Number of Installations</b>	0
<b>Number of Operating Hours in Year</b>	0
<b>Number of Employees</b>	67
<b>User Feedback/Comments</b>	
<b>Web Address</b>	

## 2. PRTR CLASS ACTIVITIES

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

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

Is it applicable?	
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) ?	Yes
--	-----

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# : W0104 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Tullamore) | Filename : PRTR.xlsx | Return Year : 2017 ]

09/05/2018 13:46

**SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS**

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

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

**SECTION B : REMAINING PRTR POLLUTANTS**

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

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

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

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

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

**Additional Data Requested from Landfill operators**

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

<b>Landfill:</b>	Advanced Environmental Solutions (Ireland) Limited (Tullamore)				
<b>Please enter summary data on the quantities of methane flared and / or utilised</b>	<b>T (Total) kg/Year</b>	<b>M/C/E</b>	<b>Method Used</b>		<b>Facility Total Capacity m3 per hour</b>
Total estimated methane generation (as per site model)	0.0		<b>Method Code</b>	<b>Designation or Description</b>	0.0 (Total Flaring Capacity)
Methane flared	0.0				0.0 (Total Utilising Capacity)
Methane utilised in engine/s	0.0				
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# : W0104 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Tullamore) | Filename : PRTR.xlsx | Return Year : 2017 |

09/05/2018 13:49

**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

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#: W0104 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Tullamore) | File

09/05/2018 13:49

**SECTION A : PRTR POLLUTANTS**

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

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

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

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

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

#### 4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

#### SECTION A : PRTR POLLUTANTS

RELEASES TO LAND	
POLLUTANT	
No. Annex II	Name

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

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

RELEASES TO LAND	
POLLUTANT	
Pollutant No.	Name

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



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

) then click the delete button

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

) then click the delete button

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

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

PRTR#: W0104 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Tullamore) | Filename : PRTR.W0104\_2017.xls | Return Year : 2017 |

18/05/2018 15:45

Please enter all quantities on this sheet in Tonnes

122

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste : Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility Non Haz Waste : Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	15 01 01	No	233.98	paper and cardboard packaging	R13	M	Weighed	Offsite in Ireland	Irish Packaging Recycling Ltd,W0263-01	Ballymount Road,Walkinstown,Dublin,12 ,Ireland		
Within the Country	15 01 01	No	167.9	paper and cardboard packaging	R13	M	Weighed	Offsite in Ireland	Agnail Limited,IRE/AG117/12	Ballymacken Industrial Estate,Ballymacken,Portlaois ,Co. Laois,Ireland		
Within the Country	15 01 01	No	0.0	paper and cardboard packaging	R13	M	Weighed	Offsite in Ireland	Panda Waste,W0140-04	Rathdrinagh,Beauparc,Co. Meath, ,Ireland		
To Other Countries	15 01 01	No	2156.7	paper and cardboard packaging	R3	M	Weighed	Abroad	(MLM) ACN Europe (UK),.	Towers Bus. Pk.,Wilmslow Rd.,Didsbury,Manchester,United Kingdom		
To Other Countries	15 01 01	No	0.0	paper and cardboard packaging	R3	M	Weighed	Abroad	N.N. VOPC,.	.....,Belgium		
To Other Countries	15 01 01	No	8416.46	paper and cardboard packaging	R3	M	Weighed	Abroad	Peute PapierRecycling,.	Baanhoekweg 4 , 3313 LA Dordrecht,....,Netherlands		
Within the Country	15 01 01	No	3214.5	paper and cardboard packaging	R13	M	Weighed	Offsite in Ireland	ROC,WFP-LS-11-001-01	ballymacken Ind Est,Portlaoise,Co. Laois, ,Ireland		
Within the Country	15 01 02	No	89.54	plastic packaging	R13	M	Weighed	Offsite in Ireland	Condron Concrete Limited,WFP-OY-15-0198-01	Arden Road, ,Tullamore,County Offaly,Ireland		
To Other Countries	15 01 02	No	628.12	plastic packaging	R13	M	Weighed	Abroad	WRC Recycling Ltd,.	Auchans Farm,St Johnstone,Renfrenshire Scotland,PA6 7EE,United Kingdom		
To Other Countries	15 01 02	No	77.48	plastic packaging	R3	M	Weighed	Abroad	Agnail Limited,IRE/AG117/12	Ballymacken Industrial Estate,Ballymacken,Portlaois ,Co. Laois,Ireland		
To Other Countries	15 01 02	No	0.0	plastic packaging	R13	M	Weighed	Abroad	JFC Plastics Ltd,.	Runcorn Hardwick Road,Astmoor Industrial Estate,Cheshire,WA7 1PH,United Kingdom		
To Other Countries	15 01 02	No	0.0	plastic packaging	R3	M	Weighed	Abroad	Peute PapierRecycling,.	Baanhoekweg 4 , 3313 LA Dordrecht,....,Netherlands		
To Other Countries	15 01 02	No	0.0	plastic packaging	R13	M	Weighed	Abroad	Re-Gen Waste Ltd,WML 22/25 (LN/13/32)	Shepherds Drive,Carbane Industrial Estate,Newry,Co Down BT35 6JQ,United Kingdom		
Within the Country	15 01 02	No	0.0	plastic packaging	R3	M	Weighed	Offsite in Ireland	The Recycling Co. - Broker,IRE/G385/15	Bray,Bray,Bray,County Wicklow,Ireland		
Within the Country	15 01 02	No	0.0	plastic packaging	R13	M	Weighed	Offsite in Ireland	Panda Waste,W0140-04	Rathdrinagh,Beauparc,Co. Meath, ,Ireland		
Within the Country	15 01 02	No	207.48	plastic packaging	R13	M	Weighed	Offsite in Ireland	Wheley Environmental Refuse Services,WFP-G-09-0002-01	Wier Road Business Park,Wier Road,Tuam,Co. Galway,Ireland		
Within the Country	15 01 02	No	466.06	plastic packaging	R13	M	Weighed	Offsite in Ireland	Leinster Environmental,WP2008/06	Clermont Bus Pk.,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 Ltd,W0263-01	Ballymount Road,Walkinstown,Dublin,12 ,Ireland		
Within the Country	15 01 02	No	788.38	plastic packaging	R13	M	Weighed	Offsite in Ireland	Shabbra,WFP08-0022-01	Killycard Ind Est,Castleblaney,Co. Monaghan, ,Ireland		
Within the Country	15 01 02	No	42.6	plastic packaging	R13	M	Weighed	Offsite in Ireland	ROC,WFP-LS-11-001-01	ballymacken Ind Est,Portlaoise,Co. Laois, ,Ireland		
Within the Country	15 01 02	No	0.0	plastic packaging	R3	M	Weighed	Offsite in Ireland	Wilton Waste,W 06/03	Kiffa,Ballyjamesduff,Co. Cavan, ,Ireland		
Within the Country	15 01 02	No	0.0	plastic packaging	R3	M	Weighed	Offsite in Ireland	Marwin Environmental Trading Ltd,.	Rubicon Centre, ,CIT Campus Bishopstown,Co. Cork,Ireland		
Within the Country	15 01 03	No	0.0	wooden packaging	R13	M	Weighed	Offsite in Ireland	Mac's Pallets,.	.....,Ireland		

Within the Country	15 01 03	No	206.32 wooden packaging	R3	M	Weighed	Offsite in Ireland	Conroy Waste Recycling Ltd,WFP-MH-2009-0002-01 Oxigen environmental Ltd (Guessford Ltd),WFP-OY-10-0183-02	Sonna,Mullingar,Co Westmeath,,Ireland	
Within the Country	15 01 03	No	0.0 wooden packaging	R13	M	Weighed	Offsite in Ireland	0183-02	Barnan,Daingean,Tullamore, Offaly,Ireland Cappincur Ind Estate,Daingean Road,Tullamore,Co. Offaly,Ireland	
Within the Country	15 01 03	No	31.08 wooden packaging	R3	M	Weighed	Offsite in Ireland	KMK Metals Recycling Ltd,W0113-03	Offaly,Ireland	
Within the Country	15 01 03	No	289.24 wooden packaging	R13	M	Weighed	Offsite in Ireland	Clonmel Waste Disposal Ltd,WFP-TS-11-0001-01	Lawlesstown,,Clonmel ,County Tipperary,Ireland	
Within the Country	15 01 04	No	0.0 metallic packaging	R4	M	Weighed	Offsite in Ireland	Hammond Lane,WFP-WM-2011-0002-01	Garrycastle,Athlone,Co. Westmeath,,Ireland	
Within the Country	15 01 04	No	387.8 metallic packaging	R4	M	Weighed	Offsite in Ireland	Wilton Waste Recycling Ltd,WFP-CN-10-0005-01	Kiffagh,Crosserlough,Ballyja mesduff,Cavan,Ireland Clermont Bus Pk.,Haggardstown,Dundalk Co. Louth,,Ireland	
Within the Country	15 01 06	No	38.16 mixed packaging	R13	M	Weighed	Offsite in Ireland	Leinster Environmental,WP2008/06	.....,Ireland	
Within the Country	15 01 07	No	26.48 glass packaging	R13	M	Weighed	Offsite in Ireland	Gannons,,	Unit 4 Osberstown Ind. Pk.,Carragh Rd. Naas,Kildare,,Ireland	
Within the Country	15 01 07	No	65.45 glass packaging	R5	M	Weighed	Offsite in Ireland	Rehab Glassco,WFP-KE-08-0357-01	Ballymount Road,Walkinstown,Dublin,12 ,Ireland	
Within the Country	16 01 03	No	0.0 end-of-life tyres	R13	M	Weighed	Offsite in Ireland	Irish Packaging Recycling Ltd,W0263-01	Kyetalesha,,Portlaois,Co. Laois,Ireland	
Within the Country	16 01 03	No	0.0 end-of-life tyres	R13	M	Weighed	Offsite in Ireland	AES Portlaois,W0194-02	Killinagh Upper,Carbury,Co. Kildare,,Ireland	
Within the Country	17 01 01	No	0.0 concrete mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17	R5	M	Weighed	Offsite in Ireland	Drehid WMF,W0201-03	Killinagh Upper,Carbury,Co. Kildare,,Ireland	
Within the Country	17 01 07	No	32.98 01 06	R5	M	Weighed	Offsite in Ireland	Drehid WMF,W0201-03	Killinagh Upper,Carbury,Co. Kildare,,Ireland	
Within the Country	17 02 01	No	0.0 wood	R3	M	Weighed	Offsite in Ireland	Conroy Waste Recycling Ltd,WFP-MH-2009-0002-01	Sonna,Mullingar,Co Westmeath,,Ireland	
Within the Country	17 02 01	No	0.0 wood	R13	M	Weighed	Offsite in Ireland	Oxigen environmental Ltd (Guessford Ltd),WFP-OY-10-0183-02	Barnan,Daingean,Tullamore, Offaly,Ireland Kileen Rd.,Ballyfermot,Dubin 10,,Ireland	
Within the Country	17 02 01	No	0.0 wood	R13	M	Weighed	Offsite in Ireland	Thorntons Waste ,W0044-02	Thorntons Recycling Wood Chipping (PDM) Ltd,WFP-KE-10-0061-01	Kildare,,Ireland
Within the Country	17 02 01	No	0.0 wood	R3	M	Weighed	Offsite in Ireland	10-0061-01	Kildare,,Ireland	
Within the Country	17 02 01	No	15.68 wood	R13	M	Weighed	Offsite in Ireland	Clonmel Waste Disposal Ltd,WFP-TS-11-0001-01	Lawlesstown,,Clonmel ,County Tipperary,Ireland	
Within the Country	17 04 02	No	26.3 aluminium	R4	M	Weighed	Offsite in Ireland	Multimetals Recycling Limited,WFP-WW-09-0014-04	Bollanney The Murrough,Wicklow Town,County Wicklow,Ireland	
Within the Country	17 04 02	No	111.72 aluminium	R4	M	Weighed	Offsite in Ireland	Wilton Waste Recycling Ltd,WFP-CN-10-0005-01	Kiffagh,Crosserlough,Ballyja mesduff,Cavan,Ireland	
Within the Country	17 04 07	No	0.0 mixed metals	R13	M	Weighed	Offsite in Ireland	Erin Recyclers,, Hammond Lane,WFP-WM-2011-0002-01	SO-08-93,Ireland Garrycastle,Athlone,Co. Westmeath,,Ireland	
Within the Country	17 04 07	No	229.12 mixed metals	R4	M	Weighed	Offsite in Ireland	MSM Recycling ,WFP-TN-11-0003-02	Annagh,Birr,County Offaly,Ireland	
Within the Country	17 04 07	No	0.0 mixed metals cables other than those mentioned in 17 04	R4	M	Weighed	Offsite in Ireland	0003-02	Offaly,Ireland	
Within the Country	17 04 11	No	0.0 10 soil and stones other than those mentioned in 17 05 03	R4	M	Weighed	Offsite in Ireland	Wilton Waste Recycling Ltd,WFP-CN-10-0005-01	Kiffagh,Crosserlough,Ballyja mesduff,Cavan,Ireland	
Within the Country	17 05 04	No	0.0 soil and stones other than those mentioned in 17 05 03	R5	M	Weighed	Offsite in Ireland	Drehid WMF,W0201-03	Killinagh Upper,Carbury,Co. Kildare,,Ireland	
Within the Country	17 05 04	No	40.44 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17	R13	M	Weighed	Offsite in Ireland	AES Portlaois,W0194-02	Kyetalesha,,Portlaois,Co. Laois,Ireland	
Within the Country	17 09 04	No	72.6 09 02 and 17 09 03 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17	R5	M	Weighed	Offsite in Ireland	AES Portlaois,W0194-02	Laos,Ireland	
Within the Country	17 09 04	No	0.0 09 02 and 17 09 03	R3	M	Weighed	Offsite in Ireland	Thorntons Recycling Wood Chipping (PDM) Ltd,WFP-KE-10-0061-01	Oldmilltown ,Kill,Co Kildare,,Ireland	

Within the Country	17 09 04	No	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	R3	M	Weighed	Offsite in Ireland	Thorntons Waste ,W0044-02	Kileen Rd.,Ballyfermot,Dublin 10.,Ireland
Within the Country	17 09 04	No	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	R3	M	Weighed	Offsite in Ireland	Panda Waste,W0140-04	Rathdrinagh,Beauparc,Co. Meath.,Ireland
Within the Country	17 09 04	No	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	R3	M	Weighed	Offsite in Ireland	AES Navan TA Midland Waste Disposal Services Ltd,W0131-02	Proudstown Road,Clonmagadden,Navan, Co Meath,Ireland
Within the Country	17 09 04	No	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	R5	M	Weighed	Offsite in Ireland	AES Lusk TA Greenclean Waste Management Limited,W0222-01	Coldwinters,Blakescross,Lusk,County Dublin,Ireland
Within the Country	19 12 01	No	0.0 paper and cardboard	R3	M	Weighed	Offsite in Ireland	Irish Packaging Recycling Ltd,W0263-01	Ballymount Road,Walkinstown,Dublin,12 ,Ireland
To Other Countries	19 12 01	No	0.0 paper and cardboard	R3	M	Weighed	Abroad	(MLM) ACN Europe (UK),.. Hammond Lane,WFP-WM-2011-0002-01	Towers Bus. Pk.,Wilmslow Rd.,Didsbury,Manchester,United Kingdom
Within the Country	19 12 02	No	6.82 ferrous metal	R4	M	Weighed	Offsite in Ireland	Wilton Waste,W 06/03	Garrycastle,Athlone,Co. Westmeath.,Ireland
Within the Country	19 12 03	No	14.76 non-ferrous metal	R4	M	Weighed	Offsite in Ireland	Wheeler Environmental Refuse Services,WFP-G-09-0002-01	Kiffa,Ballyjamesduff,Co. Cavan.,Ireland
Within the Country	19 12 04	No	31.36 plastic and rubber	R3	M	Weighed	Offsite in Ireland	ROC,WFP-LS-11-001-01	Wier Road Business Park,Wier Road,Tuam,Co. Galway,Ireland
Within the Country	19 12 04	No	267.6 plastic and rubber	R3	M	Weighed	Offsite in Ireland	Shabbra,WFP08-0022-01	ballymacken Ind Est,Portlaoise,Co. Laois.,Ireland
Within the Country	19 12 04	No	395.16 plastic and rubber	R3	M	Weighed	Offsite in Ireland	Leinster Environmental,WP2008/06	Killycard Ind Est,Castleblaney,Co. Monaghan.,Ireland
Within the Country	19 12 04	No	71.78 plastic and rubber	R3	M	Weighed	Abroad	Volker Gruppe Ltd - Broker,IRE/G435/17	Clermont Bus Pk.,Haggardstown,Dundalk Co. Louth.,Ireland
To Other Countries	19 12 04	No	0.0 plastic and rubber	R3	M	Weighed	Abroad	JFC Plastics Ltd., Conroy Waste Recycling Ltd,WFP-MH-2009-0002-01	Unit 37 ,Innotec Drive,Bangor,BT19 7PD,United Kingdom
To Other Countries	19 12 04	No	0.0 plastic and rubber	R3	M	Weighed	Abroad	JFC Plastics Ltd., Conroy Waste Recycling Ltd,WFP-MH-2009-0002-01	Runcorn Hardwick Road,Astmoor Industrial Estate,Cheshire,WA7 1PH,United Kingdom
Within the Country	19 12 07	No	0.0 wood other than that mentioned in 19 12 06	R3	M	Weighed	Offsite in Ireland	Conroy Waste Recycling Ltd,WFP-MH-2009-0002-01	Sonna,Mullingar,Co Westmeath.,Ireland
Within the Country	19 12 07	No	0.0 wood other than that mentioned in 19 12 06	R13	M	Weighed	Offsite in Ireland	Oxigen environmental Ltd (Guessford Ltd),WFP-OY-10-0183-02	Sonna,Mullingar,Co Westmeath.,Ireland
Within the Country	19 12 07	No	0.0 wood other than that mentioned in 19 12 06 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 06	R13	M	Weighed	Offsite in Ireland	AES Navan TA Midland Waste Disposal Services Ltd,W0131-02	Barman,Daingean,Tullamore, Offaly,Ireland
Within the Country	19 12 12	No	0.0 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 06	R3	M	Weighed	Offsite in Ireland	Drehid CF,W0201-03	Proudstown Road,Clonmagadden,Navan, Co Meath,Ireland
Within the Country	19 12 12	No	0.0 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 06	R5	M	Weighed	Offsite in Ireland	Thorntons Waste ,W0044-02	Killinagh Upper,Carbury,Co. Kildare.,Ireland
Within the Country	19 12 12	No	6442.08 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 06	R13	M	Weighed	Offsite in Ireland	PACON Waste & Recycling,WFP-FG-10-0004-01	Kileen Rd.,Ballyfermot,Dublin 10.,Ireland
Within the Country	19 12 12	No	2444.44 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 06	R13	M	Weighed	Offsite in Ireland	Indaver (Ireland) Ltd,W0167-03	Unit 4F,Fingal Bay Business park,Balbriggan,Co Dublin,Ireland
Within the Country	19 12 12	No	0.0 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 06	R1	M	Weighed	Offsite in Ireland	Panda Waste,W0140-04	Unit 4F,Fingal Bay Business park,Balbriggan,Co Dublin,Ireland
Within the Country	19 12 12	No	0.0 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 06	R13	M	Weighed	Offsite in Ireland	Indaver (Ireland) Ltd,W0167-03	Carranstown,Dulleek,Co Meath.,Ireland
Within the Country	19 12 12	No	0.0 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 06	R13	M	Weighed	Offsite in Ireland	Panda Waste,W0140-04	Rathdrinagh,Beauparc,Co. Meath.,Ireland

Within the Country	19 12 12	No	0.0 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R13	M	Weighed	Offsite in Ireland	Thorntons Recycling Wood Chipping (PDM) Ltd,WFP-KE-Oldmilltown ,Kill,Co Kildare,,Ireland			
Within the Country	19 12 12	No	0.0 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R5	M	Weighed	Offsite in Ireland	Drehid WMF,W0201-03	Killinagh Upper,Carbury,Co. Kildare,,Ireland		
Within the Country	19 12 12	No	0.0 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R13	M	Weighed	Offsite in Ireland	Enrich (Peter Joseph Barry),WFP-MH-08-0004-01	Larch Hill Stud,Kilcock,,Meath,Ireland	JFC Plastics Ltd,,Weir Rd ,Tuam,Co. Galway,,Ireland	Hardwick Rd.,Astmoor Ind Est ,Runcorn ,Cheshire, WA71PH,United Kingdom
Within the Country	19 12 12	No	0.0 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R13	M	Weighed	Offsite in Ireland	AES Portlaois,W0194-02	Kyletalesha,,Portlaois,Co. Laois,Ireland		
Within the Country	19 12 12	No	0.0 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R13	M	Weighed	Offsite in Ireland	Enrich (Peter Joseph Barry),WFP-MH-08-0004-01	Larch Hill Stud,Kilcock,,Meath,Ireland		
Within the Country	19 12 12	No	0.0 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R13	M	Weighed	Offsite in Ireland	Nurendale Ltd TA PANDA Waste Services,W0039-02	Ballymount Cross,Tallaght,Dublin,24,Irel and Crag Avenue,Clondalkin Industrial Estate,Clondalkin,County Dublin,Ireland		
Within the Country	19 12 12	No	1497.23 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R13	M	Weighed	Offsite in Ireland	Greyhound Recycling and Recovery Limited,W0205-01			
Within the Country	19 12 12	No	920.18 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	D5	M	Weighed	Offsite in Ireland	Drehid WMF,W0201-03	Killinagh Upper,Carbury,Co. Kildare,,Ireland		
Within the Country	20 01 01	No	0.0 paper and cardboard	R13	M	Weighed	Offsite in Ireland	Agnail Ltd,IREAG 117/12	Ballymacken Industrial Estate,Ballymacken,Portlaois e,Laois,Ireland		
Within the Country	20 01 08	No	0.0 biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Drehid WMF,W0201-03	Killinagh Upper,Carbury,Co. Kildare,,Ireland		
Within the Country	20 01 08	No	337.9 biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Padraig Thornton Waste Disposal Ltd,W0195-02	Kilmainhamwood,,Kells,Co Meath,Ireland		
Within the Country	20 01 35	Yes	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing 0.0 hazardous components	R4	M	Weighed	Offsite in Ireland	KMK Metals Recycling Ltd,W0113-04	Cappincur Ind Estate,Daingean Road,Tullamore,Co. Offaly,Ireland	KMK Metals Ltd,W0113-04,Cappincur Ind Estate,Daingean Road,Tullamore,Co. Offaly,Ireland	Cappincur Ind Estate,Daingean Road,Tullamore,Co. Offaly,Ireland
Within the Country	20 01 38	No	40.98 wood other than that mentioned in 20 01 37	R13	M	Weighed	Offsite in Ireland	Clonmel Waste Disposal Ltd,WFP-TS-11-0001-01	Lawlesstown,,Clonmel ,County Tipperary,Ireland		
Within the Country	20 01 40	No	0.0 metals	R4	M	Weighed	Offsite in Ireland	Hammond Lane,WFP-WM-2011-0002-01	Garrycastle,Athlone,Co. Westmeath,,Ireland		
Within the Country	20 02 01	No	0.0 biodegradable waste	R3	M	Weighed	Offsite in Ireland	BNM Kilberry,W0198-01	Kilberry ,Athy,Co. Kildare,,Ireland		
Within the Country	20 02 01	No	8.5 biodegradable waste	R3	M	Weighed	Offsite in Ireland	BNM Kilberry,W0198-01	Kilberry ,Athy,Co. Kildare,,Ireland		
Within the Country	20 02 02	No	0.0 soil and stones	D1	M	Weighed	Offsite in Ireland	Drehid WMF,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	Oxigen environmental Ltd (Guessford Ltd),WFP-OY-10-0183-02	Barnan,Daingean,Tullamore, Offaly,Ireland		
Within the Country	20 03 01	No	8207.24 mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Drehid WMF,W0201-03	Killinagh Upper,Carbury,Co. Kildare,,Ireland		
Within the Country	20 03 01	No	2043.08 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	R13	M	Weighed	Offsite in Ireland	AES Navan TA Midland Waste Disposal Services Ltd,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	O'Toole Composting,,	Ballinrane,Carlow,Co. Carlow,,Ireland		
Within the Country	20 03 01	No	0.0 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	AES Portlaois,W0194-02	Kyletalesha,,Portlaois,Co. Laois,Ireland		
Within the Country	20 03 01	No	0.0 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Oxigen Environmental Ltd,W0152-03	Robinhood Industrial Estate,Robinhood Road,Ballymount,Dublin 22,Ireland		

Within the Country	20 03 01	No	0.0 mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Greenstar Holdings Limited,W0146-02	Knockarley Landfill,Knockarley,Navan,County Meath,Ireland
Within the Country	20 03 03	No	121.66 street-cleaning residues	D5	M	Weighed	Offsite in Ireland	Drehid WMF,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	Enrich (Peter Joseph Barry),WFP-MH-08-0004-01	Larch Hill Stud,Kilcock,,Meath,Ireland
Within the Country	20 03 07	No	2183.58 bulky waste	D5	M	Weighed	Offsite in Ireland	Drehid WMF,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	AES Navan TA Midland Waste Disposal Services Ltd,W0131-02	Proudstown Road,Cionmagadden,Navan,Co Meath,Ireland
Within the Country	20 03 07	No	0.0 bulky waste	D5	M	Weighed	Offsite in Ireland	Greenstar Holdings Limited,W0146-02	Knockarley Landfill,Knockarley,Navan,County Meath,Ireland
Within the Country	20 03 07	No	0.0 bulky waste	D5	M	Weighed	Offsite in Ireland	Greenstar Holdings Limited,W0165-02	Ballynagran Residual Landfill,Ballynagran ,Coolbeg and Kilcandra,County Wicklow,Ireland
Within the Country	15 01 01	No	983.06 paper and cardboard packaging	R3	M	Weighed	Offsite in Ireland	Marwin Environmental Trading Ltd.,	Rubicon Centre,,CIT Campus Bishopstown,Co. Cork,Ireland
Within the Country	15 01 03	No	6.72 wooden packaging mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17	R3	M	Weighed	Offsite in Ireland	CJ Sheeran Ltd,WFP-MO-10-0014-02	Rubicon Centre ,CIT Campus Bishopstown,Cork,,Ireland
Within the Country	17 01 07	No	10.04 01 06	R13	M	Weighed	Offsite in Ireland	AES Portlaois,W0194-02	Kyletalesha,,Portlaois,Co. Laois,Ireland
Within the Country	19 12 01	No	26.06 paper and cardboard	R3	M	Weighed	Offsite in Ireland	Leinster Environmental,WP2008/06	Clermont Bus Pk.,Haggardstown,Dundalk Co. Louth,,Ireland
Within the Country	19 12 01	No	1488.78 paper and cardboard	R3	M	Weighed	Offsite in Ireland	Peute PapierRecycling.,	Baanhoekweg 4 , 3313 LA Dordrecht,,Netherlands
Within the Country	19 12 01	No	49.44 paper and cardboard	R3	M	Weighed	Offsite in Ireland	Volker Gruppe Ltd - Broker,IRE/G435/17	Unit 37 ,Innotec Drive,Bangor,BT19 7PD,United Kingdom
Within the Country	19 12 01	No	256.64 paper and cardboard	R3	M	Weighed	Offsite in Ireland	Marwin Environmental Trading Ltd.,	Rubicon Centre,,CIT Campus Bishopstown,Co. Cork,Ireland
Within the Country	19 12 02	No	194.82 ferrous metal	R4	M	Weighed	Offsite in Ireland	WRC Recycling Ltd.,	Auchans Farm,St Johnstone,Renfrenshire Scotland,PA6 7EE,United Kingdom
Within the Country	19 12 02	No	56.64 ferrous metal	R4	M	Weighed	Offsite in Ireland	Marwin Environmental Trading Ltd.,	Rubicon Centre ,CIT Campus Bishopstown,Co. Cork,Ireland
Within the Country	19 12 03	No	128.86 non-ferrous metal	R4	M	Weighed	Offsite in Ireland	WRC Recycling Ltd.,	Auchans Farm,St Johnstone,Renfrenshire Scotland,PA6 7EE,United Kingdom
Within the Country	19 12 04	No	15.26 plastic and rubber	R3	M	Weighed	Offsite in Ireland	Agnail Limited,IRE/AG117/12	Ballymacken Industrial Estate,Ballymacken,Portlaois ,Co. Laois,Ireland
Within the Country	19 12 04	No	56.0 plastic and rubber	R3	M	Weighed	Offsite in Ireland	Condron Concrete Limited,WFP-OY-15-0198-01	Arden Road,,Tullamore,County Offaly,Ireland
<b>Within the Country</b>	<b>19 12 09</b>	<b>No</b>	18.62 minerals (for example sand, stones) other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R13	M	Weighed	Offsite in Ireland	Drehid CF,W0201-03	Killinagh Upper,Carbury,Co. Kildare,,Ireland
Within the Country	19 12 12	No	243.32 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R1	M	Weighed	Offsite in Ireland	Dublin Waste to Energy,W0232-01	Pigeon House Road,Poolbeg Peninsula,Dublin 4,,Ireland
Within the Country	19 12 12	No	79.38 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R3	M	Weighed	Offsite in Ireland	Wilton Waste Recycling Ltd,WFP-CN-10-0005-01	Kiffagh,Crosserlough,Ballyja mesduff,Cavan,Ireland
Within the Country	19 12 12	No	289.5 11	R3	M	Weighed	Offsite in Ireland	O'Toole Composting.,	Ballintrane,Carlow,Co. Carlow,,Ireland

Within the Country	20 01 39	No	170.72 plastics	R3	M	Weighed	Offsite in Ireland	WRC Recycling Ltd.,	Auchans Farm,St Johnstone, Renfrenshire Scotland,PA6 7EE,United Kingdom
Within the Country	20 03 01	No	7508.05 mixed municipal waste	R1	M	Weighed	Offsite in Ireland	Dublin Waste to Energy,W0232-01 AES Navan TA Midland Waste Disposal Services Ltd,W0131-02	Pigeon House Road,Poolbeg Pennisula,Dublin 4,,Ireland Proudstown Road,Clonmagadden,Navan, Co Meath,Ireland
Within the Country	20 03 01	No	910.61 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	AES Portlaoise,W0194-02	Kyletalesha,,Portlaoise,Co. Laois,Ireland
Within the Country	20 03 01	No	6.02 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Vishal Papertech (India) Ltd.,	Vill, Mubarikpur, Derabassi Punjab,,India
Within the Country	15 01 01	No	706.8 paper and cardboard packaging	R3	M	Weighed	Offsite in Ireland	Vishal Papertech (India) Ltd.,	Vill, Mubarikpur, Derabassi Punjab,,India
Within the Country	19 12 01	No	1865.68 paper and cardboard	R3	M	Weighed	Offsite in Ireland	Wilton Waste,W 06/03	Kiffa,Ballyjamesduff,Co. Cavan,,Ireland
Within the Country	19 12 02	No	29.1 ferrous metal	R4	M	Weighed	Offsite in Ireland		

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

[Link to previous years waste data](#)

[Link to previous years waste summary data & percentage change](#)

[Link to Waste Guidance](#)