

Facility Information Summary


AER Reporting Year	2017
Licence Register Number	W0229-01
Name of site	Advanced Environmental Solutions (AES) Ireland Ltd.
Site Location	Ballygillane Big, Ballyknockan, St. Helens, Kilrane, Rosslare Harbour,
NACE Code	3821
Class/Classes of Activity	3,13, 3.11, 3.12, 4.13, 4.2, 4.3, 4.4
National Grid Reference (6E, 6 N)	-6.34359, 52.2398

A description of the activities/processes at the site for the reporting year. This should include information such as production increases or decreases on site, any infrastructural changes, environmental performance which was measured during the reporting year **and an overview of compliance with your licence listing all exceedances of licence limits (where applicable) and what they relate to e.g. air, water, noise.**

Waste activities did not change significantly in this reporting year (2017). Waste is accepted to site as per the sites Waste Licence (W0229-01). Waste activities at the site include temporary storage of wastes, sorting of waste to ensure correct segregation, and baling of recyclables (e.g. cardboard, plastic). There were no major infrastructure changes to the facility during 2017. All waste processing occurs indoors. There were no exceedences of licence limits for either dust or noise at NSLs during 2017. There are no specified emission limits for surface waters in Waste Licence (W0229-01).

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.

	
Signature	Date 28/03/2018
Group/Facility manager	
(or nominated, suitably qualified and experienced deputy)	

AIR-summary template	Lic No: W0229-01	Year: 2017	
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Answer all questions and complete all tables where relevant

<p>1 Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current reporting year and answer further questions. If you do not have licenced emissions and do not complete a solvent management plan (table A4 and A5) you <u>do not</u> need to complete the tables</p>	<p>Additional information</p> <div style="border: 1px solid black; height: 80px; width: 100%;"></div>
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Periodic/Non-Continuous Monitoring	
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<p>2 Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below</p>	<div style="border: 1px solid black; height: 30px; width: 100%;"></div>
<p>3 Was all monitoring carried out in accordance with EPA Basic air monitoring guidance note AG2 and using the basic air monitoring checklist AGN2</p>	<div style="border: 1px solid black; height: 30px; width: 100%;"></div> <p style="text-align: center;">Monitoring was in accordance with standard VDI 2119.</p>

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

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision thereof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments -reason for change in % mass load from previous year if applicable
A2-1	Total Particulates	Three times a year	350mg/m2/day	100 % of values < ELV	198	mg/m2/day	yes	Gravimetric		
A2-2	Total Particulates	Three times a year	350mg/m2/day	100 % of values < ELV	115	mg/m2/day	yes	Gravimetric		
A2-3	Total Particulates	Three times a year	350mg/m2/day	100 % of values < ELV	135	mg/m2/day	yes	Gravimetric		
	Total Particulates			SELECT		mg/m2/day	SELECT	SELECT		

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

Continuous Monitoring

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4 Does your site carry out continuous air emissions monitoring?

If yes please review your continuous monitoring data and report the required fields below in Table 3 and compare it to its relevant Emission Limit Value (ELV)

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

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

7 Did your site experience any abatement system bypasses? If yes please detail them in table 4 below

Table A2: Summary of average emissions -continuous monitoring

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

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

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

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

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

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

Solvent use and management on site

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

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

Lic No: W0229-01

Year 2016

Yes No

Additional information

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** licenced emissions you **only** need to complete table W1 and or W2 for surface water analysis and visual inspections

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

Table W1 Surface water monitoring

Emission reference no:	Emission released to	Parameter/ Substance ^{Note 1}	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision there ^{Note 2}	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	Compliant with licence
SW-1	Water	pH	discrete	Weekly	Weekly	6.0-9.0 ^{Note 3}	No pH value shall deviate from the specified range.	7.59	pH units	yes	pH Meter (Electrode)	APHA / AWWA "Standard Methods"	Method 4500 H+B			yes
SW-1	Water	Conductivity	discrete	Weekly	Weekly	1000 µS/cm @20°C ^{Note 4}	All results < 1.2 x ELV	718	µS/cm @20°C	yes	Conductivity Meter (Electrode)	APHA / AWWA "Standard Methods"	Method 2510B			yes
SW-1	Water	Suspended Solids	discrete	Weekly	Weekly	50 mg/l ^{Note 4}	All results < 1.2 x ELV	27	mg/L	no (if no please enter details in comments box)	Gravimetric analysis	APHA / AWWA "Standard Methods"	2540D	the following dates had results above the ELV of 50mg/l 20/07/17, 10/08/17, 17/08/17 & 24/08/17	no (if no please enter details in comments box)	
SW-1	Water	COD	discrete	Quarterly	Quarterly			25	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"	5220D, Closed Reflux, colourimetric method			yes
SW-1	Water	Mineral oils	discrete	Quarterly	Quarterly	0.010 mg/l ^{Note 4}	All results < 1.2 x ELV	1.7	mg/L	yes	GCMS (Gas Chromatography Mass Spectroscopy)		Method 4500-CN-E			yes
SW-1	Water	Ammonia (as N)	discrete	Quarterly	Quarterly	High Status<0.04 Good Status<0.065 ^{Note 3}	All results < 1.2 x ELV	0.43	mg/L	no (if no please enter details in comments box)	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"		Exceedance on the 19/10/17	no (if no please enter details in comments box)	
SW-2	Water	pH	discrete	Weekly	Weekly	6.0-9.0 ^{Note 3}	No pH value shall deviate from the specified range.	7.6	pH units	yes	pH Meter (Electrode)	APHA / AWWA "Standard Methods"	Method 4500 H+B			yes
SW-2	Water	Conductivity	discrete	Weekly	Weekly	1000 µS/cm @20°C ^{Note 4}	All results < 1.2 x ELV	719	µS/cm @20°C	yes	Conductivity Meter (Electrode)	APHA / AWWA "Standard Methods"	Method 2510B			yes
SW-2	Water	Suspended Solids	discrete	Weekly	Weekly	50 mg/l ^{Note 4}	All results < 1.2 x ELV	23	mg/L	no (if no please enter details in comments box)	Gravimetric analysis	APHA / AWWA "Standard Methods"	2540D	The following dates had results above the ELV of 50mg/l 20/07/17, 07/09/17	no (if no please enter details in comments box)	
SW-2	Water	COD	discrete	Quarterly	Quarterly			37	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"	5220D, Closed Reflux, colourimetric method			yes
SW-2	Water	Mineral oils	discrete	Quarterly	Quarterly	0.010 mg/l ^{Note 4}	All results < 1.2 x ELV	1.17	mg/L	yes	GCMS (Gas Chromatography Mass Spectroscopy)		Method 4500-CN-E			yes
SW-2	Water	Ammonia (as N)	discrete	Quarterly	Quarterly	High Status<0.04 Good Status<0.065 ^{Note 3}	All results < 1.2 x ELV	0.26	mg/L	no (if no please enter details in comments box)	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"		Exceedance on the 20/04/17 & 19/10/17	no (if no please enter details in comments box)	

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)														Lic No: W0229-01		Year 2016	
SW-3	Water	pH	discrete	Weekly	Weekly	6.0-9.0 ^{Note 3}	No pH value shall deviate from the specified range.	7.6	pH units	yes	pH Meter (Electrode)	APHA / AWWA "Standard Methods"	Method 4500 H+B		yes		
SW-3	Water	Conductivity	discrete	Weekly	Weekly	1000 µS/cm @20oC ^{Note 4}	All results < 1.2 x ELV	717	µS/cm @20oC	yes	Conductivity Meter (Electrode)	APHA / AWWA "Standard Methods"	Method 2510B		yes		
SW-3	Water	Suspended Solids	discrete	Weekly	Weekly	50 mg/l ^{Note 4}	All results < 1.2 x ELV	22	mg/L	no (if no please enter details in comments box)	Gravimetric analysis	APHA / AWWA "Standard Methods"	2540D	The following dates had results above the ELV of 50mg/l 17/08/17, 07/09/17	no (if no please enter details in comments box)		
SW-3	Water	COD	discrete	Quarterly	Quarterly			58	mg/L	yes	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"	5220D, Closed Reflux, colourimetric method		yes		
SW-3	Water	Mineral oils	discrete	Quarterly	Quarterly	0.010 mg/l ^{Note 4}	All results < 1.2 x ELV	0.48	mg/L	yes	GCMS (Gas Chromatography Mass Spectroscopy)		Method 4500-CN-E		yes		
SW-3	Water	Ammonia (as N)	discrete	Quarterly	Quarterly	High Status<0.04 Good Status<0.065 ^{Note 3}	All results < 1.2 x ELV	0.24	mg/L	no (if no please enter details in comments box)	Spectrophotometry (Colorimetry)	APHA / AWWA "Standard Methods"		Exceedance on the 20/04/17 & 19/10/17	no (if no please enter details in comments box)		

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	No	ELV do not apply to the licence. The results have been compared against EQS for surface water.SW-1 is an upstream sampling location and so the Suspended Solids result recorded during 2017 are not as a result of onsite activity. It is felt that the elevated readings at SW-2 and SW-3 could be due to sediment disturbance during sampling as the water levels are extremely low at this sampling location and it is difficult to obtain the required sample volume without disturbing the sediment at the base of the stream.
	Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box	Yes	

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

Emission reference no:	Emission released to	Parameter/ Substance ^{Note 1}	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or any revision therof ^{Note 2}	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
							Date	Annual Average							

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

Continuous monitoring

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

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

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

No	
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7 Do you have a proactive service contract for each piece of continuous monitoring equipment on site?

No	
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8 Did abatement system bypass occur during the reporting year? If yes please complete table W5 below

No	
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Table W4: Summary of average emissions -continuous monitoring

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

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

Table W5: Abatement system bypass reporting table

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

*Measures taken or proposed to reduce or limit bypass frequency

Bund testing dropdown menu click to see options

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

1 Please provide integrity testing frequency period

Does the site maintain a register of bunds, underground pipelines (including stormwater and foul), Tanks, sumps and containers? (containers refers to "Chemstore")

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

Please list any sump integrity failures in table B1

- 11 Do all sumps and chambers have high level liquid alarms?
- 12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?

Additional information	
Yes	Last completed in March 2016 and found to be compliant
3 years	Tested March 2016
No	Only four bunds used onsite (Bund No. 1 for chemicals; Bund No. 2 for chemicals/oil; Bund No. 3 for oil; Bund No. 4 for oil)
4	
4	
4	All bunds are mobile.
Yes	
4	
0	
0	
No	

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

Bund/Containment structure ID	Type	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
Bund No.1	prefabricated	Steel	Chemicals			Hydraulic test	Tested for > 6 hours as per CIRIA	15/03/2016	Yes	Pass		SELECT	2019	
Bund No. 2	prefabricated	Steel	Chemical/Oil			Hydraulic test	"Construction Industry Research and Information Association" guidance	15/03/2016	Yes	Pass			2019	
Bund No. 3	prefabricated	Steel	Oil			Hydraulic test		15/03/2016	Yes	Pass			2019	
Bund No. 4	prefabricated	Steel	Oil			Hydraulic test	document.	15/03/2016	Yes	Pass		SELECT	2019	

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

Has integrity testing been carried out in accordance with licence requirements and are all structures tested in

[bunding and storage guidelines](#)

- 14 line with BS8007/EPA Guidance?
- 15 Are channels/transfer systems to remote containment systems tested?
- 16 Are channels/transfer systems compliant in both integrity and available volume?

Commentary	
Yes	

Pipeline/underground structure testing

Are you required by your licence to undertake integrity testing on underground structures e.g. pipelines or sumps etc? if yes please fill out table 2 below listing all 1 underground structures and pipelines on site **which failed the integrity test**

2 Please provide integrity testing frequency period

Yes	
3 years	Pipeline Integrity Test completed in 2017

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

Structure ID	Type system	Material of construction:	Does this structure have Secondary containment?	Type of secondary containment	Type integrity testing	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
	Storm	pvc	No	SELECT	CCTV	Yes	Pass				
	Foul	pvc	No		CCTV	Yes	Fail	Displaced joints identified on a section of foul line from the reception building to the weighbridge.	Site obtaining quotations for either insitu pipe lining or complete pipe replacement	Quarter 2 2018	

Integrity testing of foul line completed in 2017. Displaced joints identified on a section of foul line. Site currently obtaining quotes for insitu joint repair or complete pipe replacement. To be completed Q2 2018.

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

Table 1: Upgradient Groundwater monitoring results

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

.+ where average indicates arithmetic mean
 .++ maximum concentration indicates the maximum measured concentration from all monitoring results produced during the reporting year

Table 2: Downgradient Groundwater monitoring results

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

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

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

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

Table 3: Soil results

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

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

Environmental Liabilities template

Lic No: W0229-01

Year

2017

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

		Commentary
1	ELRA initial agreement status	Required but not submitted ELRA was submitted to the Agency for approval on 15th October 2015. Revised ELRA costing table was submitted in November 2016 in response to RI006656. This was approved by the Agency on 05th May 2017.
2	ELRA review status	Review required and completed Approved by Agency May 2017
3	Amount of Financial Provision cover required as determined by the latest ELRA	832,351
4	Financial Provision for ELRA status	Submitted and agreed by EPA
5	Financial Provision for ELRA - amount of cover	832,351
6	Financial Provision for ELRA - type	Public Liability Insurance with Environmental Impairment Liability cover,
7	Financial provision for ELRA expiry date	No expiration specified. No expiration specified.
8	Closure plan initial agreement status	Closure plan submitted and agreed by EPA DMP was prepared and the costing table was submitted to the Agency 08th March 2017. This was agreed and the full DMP was submitted 23rd March 2017 in response to RI007114. This was agreed by the Agency 05th May 2017
9	Closure plan review status	Review required and completed
10	Financial Provision for Closure status	Submitted and agreed by EPA
11	Financial Provision for Closure - amount of cover	93,293.20
12	Financial Provision for Closure - type	Other please specify Parent company guarantee currently under negotiation between Bord na Móna and the Agency
13	Financial provision for Closure expiry date	No expiration No expiration specified.

Environmental Management Programme/Continuous Improvement Programme template	Lic No:	W0229-01	Year	2017
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	Highlighted cells contain dropdown menu click to view	Additional Information
1	Do you maintain an Environmental Management System (EMS) for the site. If yes, please detail in additional information	Yes The Licensee holds a fully NSAI accredited Integrated Management System incorporating Environmental (ISO 14001), Health and Safety (OHSAS 18000) 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 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 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 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
Additional improvements	Diversion of biodegradable waste from landfill. The quantity of BMW sent to landfill will be calculated on a quarterly basis to ensure that Diversion Targets are met.	90	BMW data completed on a quarterly basis for waste going to landfill to track on-going progress	Individual	Increased compliance with licence conditions
Energy Efficiency/Utility conservation	To improve the energy efficiency and reduce fuel consumption across the site through a number of initiatives. These are to include the rerouting of collection routes in Q1 2018 in order to reduce companies carbon footprint, the introduction of 7 no. new RCVs, 2 no. new skip trucks and 1 no. new RO/RO.	80	On-going improvements. Rerouting of RCV runs in Q1 2018 to reduce fuel use. Roll-out of 7 no. new Refuse Collection Trucks, 2 no. skip trucks and 1 no. Ro/RO in 2017 to replace ageing fleet further reducing diesel consumption and carbon footprint	Section Head	Reduced emissions
Additional improvements	Maintenance of Integrated Management Systems and continued monitoring of Licence compliance as outlined in Licence W0229-01	90	On-going requirement	Individual	Increased compliance with licence conditions

Environmental Management Programme/Continuous Improvement Programme template				Lic No:	W0229-01	Year	2017
Additional improvements	Improvement of collection services offered including the roll-out of the Household Brown Bin services in line with Local Authority polices	70	Roll-out of brown bin collection service completed with monitoring of services to new customers/regions .	Section Head		Improved Environmental Management Practices	
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 2016	
Waste reduction/Raw material usage efficiency	Improved segregation of incoming waste streams, for example the reuse of unbroken wooden pallets	70	The reuse of unbroken wooden pallets introduced in Q4 2017	Section Head		Improved Environmental Management Practices	
Energy Efficiency/Utility conservation	Roll out of 5S System in AES Rosslare	60	Roll out of 5S system in Sheds 1 & 2 in Q1 2018, Roll out of 5S System ion Shed 3 by Q2 2018	Section Head		Improved Environmental Management Practices	

Noise monitoring summary report	Lic No: W0229-01	Year	2017
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- 1 Was noise monitoring a licence requirement for the AER period?
If yes please fill in table N1 noise summary below
- 2 Was noise monitoring carried out using the EPA Guidance note including completion of the "Checklist for noise measurement report" included in the guidance note as table 6?
[Noise Guidance note NG4](#)
- 3 Does your site have a noise reduction plan
- 4 When was the noise reduction plan last updated?
- 5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?

Yes
Yes
No
No

Not Required

Table N1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA _{eq}	LA ₉₀	LA ₁₀	LA _{max}	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is <u>site</u> compliant with noise limits (day/evening/night)?
28th April & 4th May 2017	30 Mins	N1		55-57	58-63	38-43	73-77	No		Site: Mechanical works carried out on excavator. Rattling of steel tracks on excavator. Idling Trucks at shed door. Banging of door into shed by reception. Reversing beacon on trucks. Rattling chains on skip trucks. Background: Passing traffic on local road approx. 4 meters - Dominant Source. Lorry's' entering/ exiting Glen Fuels and Baku GLS Freight yard. Birdsong.	No
28th April & 4th May 2017	30 Mins	N2		44-49	43-51	31-44	65-79	No		Site: Lorry's entering/exiting site and idling @ weighbridge + associated rattling chains. Loading and unloading of Skips. Revers beacons and plant machinery audible from shed. Background: Occasional traffic on local road (90m). Operations in business park north of AES site occasionally	Yes
28th April & 4th May 2017	30 Mins	N3		48-51	51-53	43-47	65-75	No		Site: Segregation of material in recycling shed. Lorry's entering/exiting yard: reverse alarms, chains rattling, and revving engines. Rattling of steel tracks on excavator LAFmax round 3. Power washing excavator. Background: Occasional passing traffic on nearby country road (15m). Distant traffic in background (N25). Seagulls & crows overhead.	Yes

28th April & 4th May 2017	30 Mins	N4		51-54	55-57	36-43	68-78	No		<p>Site: Rattling of steel tracks on excavator moving around the site. Low level hum of operations within shed 1. Traffic entering/exiting site including to include bin lorries.</p> <p>Background: Heavy traffic on local road approx. 3 meters -Dominant Source. Tractor lawn more in neighboring site. Seagulls & crows overhead. Banging of steel from Murphy's garage.</p>	Yes
28th April & 4th May 2017	30 Mins	N5		49-61	52-62	40-48	63-94	No		<p>Site: Low hum of operations in recycling shed. Rattling of steel tracks on excavator moving around the site. Excavator engine revved LAFmax round 2. AES staff talking in front yard. Loading shovel refueling 10 meters away. Load and unloading of skips from trucks. Idling truck engines. Reversing beacon. Traffic entering and exiting site.</p> <p>Background: Tractor working in neighboring field. Intermittent passing traffic on local road. Vehicles associated with Glen Fuels and Murphy's garage moving around yard.</p>	Yes
28th April & 4th May 2017	30 Mins		N6	32-48	40-69	32-48	88-92	No		<p>Site: Low level hum from waste reception shed (shutters down), audible during periods of low passing traffic. AES trucks entering/exiting site with skips and associated rattling chains and reversing alarms. Front loader moving around yard – Round 2. Trucks idling on weighbridge. Background: Traffic on local road - Dominant Source -LAFmax. Vehicles entering/exiting neighboring sites. Occasional birdsong. Low count of road traffic during round 3 making it simpler to pause out traffic. 49dB(A) representing background noise levels</p>	Yes
28th April & 4th May 2017	30 Mins		N7	33-45	56-65	33-45	74-92	No		<p>Site: Skip trucks entering/exiting AES site. Rattling skips and idling truck engines. Machinery in waste reception shed faintly audible.</p> <p>Background: Loud pump on fuel tanker refueling Glen Fuels distribution tanks – round 1. Traffic on local road - Dominant Source -LAFmax. Vehicles entering/exiting neighboring sites. Occasional birdsong</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 limits were not exceeded at any of the NSLs during the monitoring round
Any additional comments? (less than 200 words)

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

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

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

Additional information	
2008	
No	Currently in the process of gaining ISO50001 across all of Bord na Mona
Not Applicable	

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

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)	3,534	2,984	-18%	0
Total Energy Generated (MWHrs)	0	0	0	0
Total Renewable Energy Generated (MWHrs)	0	0	0	0
Electricity Consumption (MWHrs)	88.3	80.1	-10%	0
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)	0	0		0
Light Fuel Oil (m3)	338.88	285.615	-16	Fuel consumption decrease in 2017
Natural gas (CMN)	0	0	0	0
Coal/Solid fuel (metric tonnes)	0	0	0	0
Peat (metric tonnes)	0	0	0	0
Renewable Biomass	0	0	0	0
Renewable energy generated on site	0	0	0	0

* 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 Previous year m3/yr.	Water extracted Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Water Emissions		Water Consumption	
					Volume Discharged back to environment(m ³ yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:	
Groundwater								
Surface water								
Public supply								
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: W0229-01 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					

Complaints and Incidents summary template Lic No: W0229-01 Year 2017

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

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

Incidents		Additional information
Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 2 below		No

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

Date of occurrence	Incident nature	Location of occurrence	Incident category*please refer to guidance	Receptor	Cause of incident	Other cause(please specify)	Activity in progress at time of incident	Communication	Occurrence	Corrective action<20 words	Preventative action <20 words	Resolution status	Resolution date	Likelihood of reoccurrence

Total number of incidents current year	0
Total number of incidents previous year	1
% reduction/increase	0%

WASTE SUMMARY	Lic No: W0229-01	Year: 2017
SECTION A-PRTR ON SITE WASTE TREATMENT AND WASTE TRANSFERS TAB- TO BE COMPLETED BY ALL IPPC AND WASTE FACILITIES	PRTR facility type:	dropdown list click to see options

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

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

Additional Information	
Yes	

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

No	
----	--

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

No	
----	--

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

Licensed annual tonnage limit for your site (total tonnes/annum)	EWG code	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which applies to European Waste Catalogue EWG codes	Quantity of waste accepted in current reporting year (tonnes)	Quantity of waste accepted in previous reporting year (tonnes)	Reduction/Incr ease over previous year +/- %	Reason for reduction/increase from previous reporting year	Packaging Content (%) only applies if the waste has a packaging component	Disposal/Recovery or treatment operation carried out at your site and the description of this operation	Quantity of waste remaining on site at the end of reporting year (tonnes)	Comments -
23,000	15 01 02	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Plastic Packaging	19.172	1.84	942%	Increase in plastic packaging sources collected during 2017	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	45	
23,000	15 01 03	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Wooden Packaging	12.74	9.16	39%	Improved classification of waste streams	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	3	
23,000	15 01 05	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Composite Packaging	0	5.92	-100%	No composite packaging collected during 2017	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
23,000	15 01 06	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Mixed Packaging	30.98	14.18	118%	Increase in mixed packaging sources collected during 2017	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
23,000	16 02 14	16- WASTES NOT OTHERWISE SPECIFIED IN THE LIST	Waste from Electrical Equipment	0	0	0%	No electrical equipment waste collected during 2017	N/A	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
23,000	17 01 01	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Concrete	53.47	3.12	1614%	Increase in concrete from C&D sources collected during 2017	N/A	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
23,000	17 01 07	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mix of Concrete Bricks Tiles & Ceramics (Non Hazardous)	326.48	372.085	-12%	Slight decrease in 17 01 07 collected in 2017	N/A	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	12	
23,000	17 02 01	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Wood from C & D	98.085	47.64	106%	Increase in wood from C&D sources collected during 2017	N/A	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
23,000	17 02 03	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Municipal Plastic	0	0	0%	No municipal plastic from C&D sources collected during 2017	N/A	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
23,000	17 04 07	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixed C & D Metals	1.78	0.62	187%	Increase in mixed metals from C&D sources collected during 2017	N/A	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	1	

WASTE SUMMARY		Lic No:		W0229-01		Year		2017				
	23,000	17 05 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Soil and stones	199.03	97.53	104%	Decrease in soils from C&D sources collected during 2017, varies by year depending on availability	N/A	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
5	23,000	17 09 04	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Mixed C & D Waste (Non Hazardous)	86.422	322.248	-73%	Decrease in Mix C&D Waste sources collected during 2017	10%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	23,000	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 & Cardboard	0	0	0%	No processed paper & cardboard collected during 2017	N/A	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
6	23,000	19 12 09	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	Minerals (sand &stones)	0	0	0%	No minerals, sand or stones collected during 2017	N/A	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
7	23,000	20 01 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Municipal Paper & Cardboard	596.885	629.856	-5%	Slight decrease in municipal paper & cardboard collected in 2017	N/A	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	202.14	
8	23,000	20 01 11	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Textiles	14.54	26.39	-81%	Decrease in textiles collected in 2017.	N/A	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	23,000	20 01 39	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Municipal Plastic	0	9.74	-100%	No 20 01 39 collected in 2017	N/A	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	23,000	20 02 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Garden & Park Waste (Green Waste)	13.68	115.185	-88%	Decrease in Garden & Park Waste requiring collection in 2017, dependant on customer requirements	N/A	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	23,000	15 01 01	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Paper & Cardboard Packaging	257.16	201.65	28%	Improved classification of waste streams	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	80	
	23,000	15 01 07	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Mixed glass packaging (Commercial)	101.898	52.935	48%	Improved classification of waste streams	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)		
	23,000	15 01 07	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Mixed glass packaging (Domestic)	149.36	155.939	-4%	Minimal difference between 2016 and 2017	100%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	10	

WASTE SUMMARY		Lic No:		W0229-01		Year		2017		
23,000	20 01 08	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Biodegradable Kitchen & Canteen Waste (Commercial)	9,505	0	100%	Rollout of brown bin waste collection to areas not previously serviced for brown bin.	N/A	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
23,000	20 01 08	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Biodegradable Kitchen & Canteen Waste (Domestic)	1490.04	1370.656	9%	Rollout of brown bin waste collection to areas not previously serviced for brown bin.	N/A	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	15
23,000	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Municipal Waste (Commercial)	6439.284	6571.517	-2%	Minimal difference between 2016 and 2017	15%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	20
23,000	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Municipal Waste (Domestic)	6139.129	6638.76	-8%	Minimal difference between 2016 and 2017	15%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	91.82
23,000	20 03 07	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Bulky Waste (Commercial)	1162.155	773.78	50%	Improved classification of waste streams	15%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
23,000	20 03 07	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Bulky Waste (Domestic)	917.37	457.212	101%	Improved classification of waste streams	15%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	20
23,000	20 03 03	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Street Cleaning Residues	222.285	240.125	-7%	Decrease in street-cleaning residues collected in 2017	N/A	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
23,000	20 01 36	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Non-hazardous WEEE	0	1.18	-100%	No WEEE collected in 2017	N/A	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
23,000	20 01 38	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Municipal Wood	7.19	17.01	-58%	Decrease in Domestic Wood collected in 2017	N/A	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	
23,000	20 01 40	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Municipal Metals	18.65	3.5	433%	Increase in Domestic Metals collected in 2017	N/A	R4- Recycling/reclamation of metals and metal compounds	
23,000	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Recyclable Waste (Commercial)	1165.898	1398.138	-17%	Minimal difference between 2016 and 2017	65%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)	

WASTE SUMMARY		Lic No:		W0229-01		Year		2017	
23,000	20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Recyclable Waste (Domestic)	2480.995	2888.174	-14%	Minimal difference between 2016 and 2017	65%	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)
23,000	02 03 04	02- WASTES FROM AGRICULTURE, HORTICULTURE, AQUACULTURE, FORESTRY, HUNTING AND FISHING, FOOD PREPARATION AND PROCESSING	Materials unsuitable for consumption or processing	0	13.12	100%	Not collected in 2017	N/A	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)
23,000	20 02 02	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	soil and stones	0	0.78	100%	Not collected in 2017	N/A	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)
23,000	15 01 04	15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED	Metallic packaging	30.2	0	100%	New waste stream	N/A	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)
23,000	17 01 03	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Tiles	6.14	0	100%	New waste stream	N/A	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)
23,000	19 08 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	Screenings from WWTP	3.42	0	100%	New waste stream	N/A	R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)

Table 3 General information-Landfill only

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

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

Was meteorological monitoring in compliance with Landfill Directive (LD) standard in reporting year +	Was leachate monitored in compliance with LD standard in reporting year	Was Landfill Gas monitored in compliance with LD standard in reporting year	Was SW monitored in compliance with LD standard in reporting year	Have GW trigger levels been established	Were emission limit values agreed with the Agency (ELVs)	Was topography of the site surveyed in reporting year	Has the statement under SS3(A)(5) of WMA been submitted in reporting year	Comments

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

Table 5 Capping-Landfill only

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

*please note this includes daily cover area

Table 6 Leachate-Landfill only

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

SELECT
SELECT

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

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

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

Table 7 Landfill Gas-Landfill only

WASTE SUMMARY Lic No: W0229-01 Year 2017

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



[Guidance to completing the PRTR workbook](#)

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR	2017
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1. FACILITY IDENTIFICATION

Parent Company Name	Advanced Environmental Solutions (Ireland) Limited
Facility Name	Advanced Environmental Solutions (Ireland) Limited (Wexford)
PRTR Identification Number	W0229
Licence Number	W0229-01

Classes of Activity	
No.	class_name
-	Refer to PRTR class activities below

Address 1	Ballygillane Big/Ballyknockan
Address 2	St. Helens
Address 3	Kilrane
Address 4	Rosslare Harbour
	Wexford
Country	Ireland
Coordinates of Location	-6.34359 52.2398
River Basin District	IESE
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Phoebe Dillane
AER Returns Contact Email Address	phoebe.dillane@bnm.ie
AER Returns Contact Position	Compliance Officer
AER Returns Contact Telephone Number	045439464
AER Returns Contact Mobile Phone Number	0872794952
AER Returns Contact Fax Number	045439489
Production Volume	0.0
Production Volume Units	0
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	7
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

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

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

Is it applicable?	No
Have you been granted an exemption?	
If applicable which activity class applies (as per Schedule 2 of the regulations)?	
Is the reduction scheme compliance route being used?	

4. WASTE IMPORTED/ACCEPTED ONTO SITE

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

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

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

4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

| PRTR#: W0229 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Wexford) | Filename : W0229_2017.xls | Return Year : 2017 |

27/03/2018 13:06

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

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

Additional Data Requested from Landfill operators

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

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

4.2 RELEASES TO WATERS

[Link to previous years emissions data](#)

| PRTR#: W0229 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Wexford) | Filename : W0229_2017.xls | Return Year : 2017 |

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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

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

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

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

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

4.3 RELEASES TO WASTEWATER OR SEWER

[Link to previous years emissions data](#)

| PRTR# : W0229 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Wexford) | F

27/03/2018 13:08

SECTION A : PRTR POLLUTANTS

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

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

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

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

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

4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

| PRTR#: W0229 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Wexford) | Filename : W0229_2017.xls | Return Year : 2017 |

27/03/2018 13:09

SECTION A : PRTR POLLUTANTS

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

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

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

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

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : W0229 | Facility Name : Advanced Environmental Solutions (Ireland) Limited (Wexford) | Filename : W0229_2017.xls | Return Year : 2017 |

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Please enter all quantities on this sheet in Tonnes

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Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Haz Waste : Name and Licence/Permit No of Recover/Disposer	Non-Haz Waste : Address of Next Destination Facility Non-Haz Waste : Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	13 01 05	Yes	0.0	non-chlorinated emulsions	R3	M	Weighed	Offsite in Ireland	RILTA Environmental Limited,W0192-03	Grant's Drive Greenogue Business Park Rathcoole,Block 402,Dublin,Dublin,Ireland	Enva Ireland Ltd (Dublin),W0196-01	Naas Rd,Dublin 12,Co.Dublin,,Ireland
To Other Countries	15 01 01	No	850.16	paper and cardboard packaging	R13	M	Weighed	Abroad	(MLM) ACN Europe,.	Adamson House Towers Business Park ,Wilmslow Road,Didsbury,Manchester M20 2YY,United Kingdom		
Within the Country	15 01 02	No	20.72	plastic packaging	R13	M	Weighed	Offsite in Ireland	Leinster Environmental ,WFP-LH-11-0002-01	Park,Haggardstown,Dundalk, Co. Louth,Ireland		
Within the Country	15 01 03	No	0.0	wooden packaging	R13	M	Weighed	Offsite in Ireland	Padraig Thornton Waste Disposal Ltd TA PDM Ltd,WFP-KE-10-061-01	Oldmilltown Industrial Estate,Naas,Co. Kildare,,Ireland		
Within the Country	15 01 04	No	0.0	metallic packaging	R4	M	Weighed	Offsite in Ireland	Molloy Metal Recycling,WFP-WX-11-0036-11	Ballycarney Enniscorthy,,Co. Wexford,,Ireland		
Within the Country	15 01 07	No	202.09	glass packaging	R5	M	Weighed	Offsite in Ireland	Molloy Metal Recycling,WFP-WX-11-0036-11	Ballycarney Enniscorthy,,Co. Wexford,,Ireland		
Within the Country	15 01 07	No	0.0	glass packaging	R5	M	Weighed	Offsite in Ireland	Rehab Glassco Limited,W0279-01	Osberstown Industrial Park Caragh Road Naas,Unit 4,Co. Kildare,Kildare,Ireland		
Within the Country	17 01 01	No	0.0	concrete	R13	M	Weighed	Offsite in Ireland	Paddy McGee (Wexford) Ltd,WFP-WX-10-0012-01	Ardinagh,Tagmon,County Wexford,,Ireland		
Within the Country	17 01 01	No	0.0	concrete	R13	M	Weighed	Offsite in Ireland	Paddy McGee (Wexford) Ltd,WFP-WX-10-0012-01	Ardinagh,Tagmon,County Wexford,,Ireland		
Within the Country	17 02 01	No	0.0	wood	R3	M	Weighed	Offsite in Ireland	Padraig Thornton Waste Disposal Ltd TA PDM Ltd,WFP-KE-10-061-01	Oldmilltown Industrial Estate,Naas,Co. Kildare,,Ireland		
Within the Country	17 02 01	No	140.06	wood	R3	M	Weighed	Offsite in Ireland	Greenstar Ltd Bray,W0053-03	La Vallee House,Fassaroe Bray,Co. Wicklow,,Ireland		
Within the Country	17 04 07	No	95.18	mixed metals	R4	M	Weighed	Offsite in Ireland	Molloy Metal Recycling,WFP-WX-11-0036-11	Ballycarney Enniscorthy,,Co. Wexford,,Ireland		
Within the Country	17 04 07	No	0.0	mixed metals	R13	M	Weighed	Offsite in Ireland	Molloy Metal Recycling,WFP-WX-11-0036-11	Ballycarney Enniscorthy,,Co. Wexford,,Ireland		
Within the Country	17 05 04	No	555.32	soil and stones other than those mentioned in 17 05 03	R5	M	Weighed	Offsite in Ireland	Paddy McGee (Wexford) Ltd,WFP-WX-10-0012-01	Ardinagh,Tagmon,County Wexford,,Ireland		
Within the Country	17 09 04	No	0.0	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	Paddy McGee (Wexford) Ltd,WFP-WX-10-0012-01	Ardinagh,Tagmon,County Wexford,,Ireland		
Within the Country	17 09 04	No	0.0	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	Padraig Thornton Waste Disposal Limited,W0044-02	Ballyfermot,Thorntons Recycling Centre,Dublin 10,D10,Ireland		
Within the Country	17 09 04	No	1121.06	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	17 09 04	No	0.0	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	Padraig Thornton Waste Disposal Limited,W0044-02	Ballyfermot,Thorntons Recycling Centre,Dublin 10,D10,Ireland		

To Other Countries	19 12 01	No	0.0 paper and cardboard other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R3	M	Weighed	Abroad	(MLM) ACN Europe,.	Adamson House Towers Business Park ,Wilmslow Road,Didsbury,Manchester M20 2YY,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	R3	M	Weighed	Offsite in Ireland	Nurendale Ltd trading as PANDA Waste Services Ltd,W0039-02	Ballymount Cross Tallaght,,Dublin 24,D.24,Ireland
Within the Country	19 12 12	No	0.0 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R3	M	Weighed	Offsite in Ireland	Padraig Thornton Waste Disposal Limited,W0044-02	Killeen Road Ballyfermot,Thorntons Recycling Centre,Dublin 10,D10,Ireland
Within the Country	19 12 12	No	0.0 11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	R3	M	Weighed	Offsite in Ireland	Greenstar Ltd Bray,W0053-03	La Vallee House,Fassaroe Bray,Co. Wicklow,,Ireland Killamaster,Waddock Composting Facility,Carlow,Co. Carlow,Ireland
Within the Country	20 01 08	No	119.18 biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Waddock Composting Limited,WFP-CW-11-05-01	O'Toole Composting Ltd,WFP-CW-10-0003-01
Within the Country	20 01 08	No	1295.95 biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Ormonde Organics Limited,WFP-WD-13-0001-01	Ballinrane,,Carlow,,Ireland
Within the Country	20 01 08	No	0.0 biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Leinster Environmental ,WP2008/06	Killowen...Portlaw,County Waterford,Ireland Clermont Business Park,Haggardstown,Dundalk, Co. Louth,Ireland
Within the Country	20 01 39	No	0.0 plastics	R11	M	Weighed	Offsite in Ireland	BNM Kilberry,W0198-01	Kilberry,Athy,County Kildare,,Ireland Crag Avenue,Clondalkin Industrial Estate,Clondalkin,County Dublin,Ireland
Within the Country	20 03 01	No	26.14 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Greyhound Recycling and Recovery Limited,W0205-01	Kiffagh,Crosserlough,Ballyja mesduff,Cavan,Ireland
Within the Country	20 03 01	No	273.58 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Wilton Waste Recycling Ltd,WFP-CN-10-0005-01	Ballynagran,Coolbeg and Kilcandra,County Wicklow,,Ireland
Within the Country	20 03 01	No	2974.46 mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Greenstar Holdings Ltd,W0165-02	Knockarley Landfill,Knockarley,Navan,County Meath,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Greenstar Holdings Limited,W0146-02	O'Toole Composting Ltd,WFP-CW-10-0003-01
Within the Country	20 03 01	No	0.0 mixed municipal waste	R3	M	Weighed	Offsite in Ireland	Greenstar Ltd Bray,W0053-03	Ballinrane,,Carlow,,Ireland La Vallee House,Fassaroe Bray,Co. Wicklow,,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03	Killinagh Upper,Carbury,Co. Kildare,,Ireland Six Cross Roads,Carriganard,Butlerstown,Co. Waterford,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Starrus Eco Holdings Ltd,W01116-02	Carranstown,Duleek,County Meath,,Ireland
Within the Country	20 03 01	No	25.06 mixed municipal waste	R1	M	Weighed	Offsite in Ireland	Indaver Ireland ,W0167-02	Aughacurreen,Killarney ,Co. Kerry,,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	R3	M	Weighed	Offsite in Ireland	Killarney Waste Disposal (KWD) Ltd,W0217-01	Proudstown Road,Navan,CO. Meath,,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	AES Navan ,W0131-02	Gortadroma Ballynahill Co. Limerick,,Limerick,County Limerick,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Gortadroma Landfill Site,W0017-04	Ballymount Cross Tallaght,,Dublin 24,D.24,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Nurendale Ltd trading as PANDA Waste Services Ltd,W0039-02	

Within the Country	20 03 01	No	0.0 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Oxygen Environmental Ltd,W0152-03	Robinhood Industrial Estate,Robinhood Road,Ballymount,Dublin 22,Ireland
Within the Country	20 03 01	No	3353.2 mixed recycling material	R3	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03	Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offally,Ireland
Within the Country	20 03 01	No	14.72 mixed recycling material	R13	M	Weighed	Offsite in Ireland	Padraig Thornton Waste Disposal Limited,W0044-02	Killeen Road Ballyfermot,Thorntons Recycling Centre,Dublin 10,D10,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	D5	M	Weighed	Offsite in Ireland	Greenstar Holdings Ltd,W0165-02	Ballynagran,Coolbeg and Kilcandra,County Wicklow,,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Irish Packaging Recycling Ltd,W0263-01	Road,Walkinstown,Dublin 12,,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Murray Waste Recycling Ltd.,W0258-01	Coolatore,Ferns,Enniscorthy, Co. Wexford,Ireland
Within the Country	20 03 01	No	5195.9 mixed municipal waste	R3	M	Weighed	Offsite in Ireland	Glanway Ltd.,WFP-KK-14-0002-01	Unit 4&5, Cap Store,Belview Port Gorteen, Slieverue,Co. Kilkenny,Ireland
Within the Country	20 03 01	No	0.0 mixed municipal waste	R3	M	Weighed	Offsite in Ireland	AES Portlaoise,W0194-02	Kyletalesha,Portlaoise,County Laoise,,Ireland
Within the Country	20 03 03	No	50.44 street-cleaning residues	D5	M	Weighed	Offsite in Ireland	Greenstar Holdings Ltd,W0165-02	Ballynagran,Coolbeg and Kilcandra,County Wicklow,,Ireland
Within the Country	20 03 04	No	0.0 septic tank sludge	R3	M	Weighed	Offsite in Ireland	MT Plant Hire Ltd,WCP/WW/07/268/02	Ballinavary,Davidstown,Enniscorthy,,Ireland
Within the Country	20 03 07	No	bulky waste	R13	M	Weighed	Offsite in Ireland	Gortadroma Landfill Site,W0017-04	Ballynahill,Limerick,County Limerick,,Ireland
Within the Country	20 03 07	No	862.96 bulky waste	R13	M	Weighed	Offsite in Ireland	Greenstar Ltd Bray,W0053-03	La Vallee House,Fassaroe Bray,Co. Wicklow,,Ireland
Within the Country	20 03 07	No	0.0 bulky waste	R13	M	Weighed	Offsite in Ireland	AES Navan ,W0131-02	Proudstown Road,Navan,CO. Meath,,Ireland
Within the Country	20 03 07	No	5.72 bulky waste	R13	M	Weighed	Offsite in Ireland	Molloy Metal Recycling,WFP-WX-11-0036-11	Ballycarney Enniscorthy,,Co. Wexford,,Ireland
Within the Country	20 03 07	No	0.0 bulky waste	R13	M	Weighed	Offsite in Ireland	Padraig Thornton Waste Disposal Limited,W0044-02	Killeen Road Ballyfermot,Thorntons Recycling Centre,Dublin 10,D10,Ireland
Within the Country	20 03 07	No	0.0 bulky waste	R13	M	Weighed	Offsite in Ireland	AES Lusk TA Greenclean Waste Management Limited,W0222-01	Coldwinters,Blakescross,Lusk,County Dublin,Ireland
Within the Country	20 03 07	No	861.658 bulky waste	D5	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03	Killinagh Upper, Carbury,Co. Kildare,,Ireland
Within the Country	20 03 03	No	67.62 street-cleaning residues	D5	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03	Killinagh Upper, Carbury,Co. Kildare,,Ireland
Within the Country	20 03 01	No	37.8 mixed municipal waste	R13	M	Weighed	Offsite in Ireland	AES Lusk TA Greenclean Waste Management Limited,W0222-01	Coldwinters,Blakescross,Lusk,County Dublin,Ireland
Within the Country	20 03 01	No	145.52 mixed recycling material	R13	M	Weighed	Offsite in Ireland	Quality Recycling Limited,WFP-TS-12-0002-04	Ballylynch,"",Carrick-on-suir,County Tipperary,Ireland
Within the Country	20 03 01	No	3168.631 mixed municipal waste	D10	M	Weighed	Offsite in Ireland	Dublin City Council,W0232-01	Pigeon House Road,Poolbeg,Dublin ,Dublin 4,Ireland
Within the Country	20 03 01	No	27.82 mixed municipal waste	D15	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-03	Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offally,Ireland

Within the Country	17 09 04	No	78.24 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 Navan ,W0131-02	Proudstown Road,Navan,CO. Meath,.,,Ireland Ballymacken Industrial Estate,Ballymacken,Portlaois e,Co. Laois,Ireland
Within the Country	15 01 02	No	20.48 plastic packaging	R13	M	Weighed	Offsite in Ireland	Agnail Limited,IRE/AG117/12 Paul Martin McDaid Solutions TFS Broker,IRE/G443/19	Ard Na Grena,65 Makenny Road,Ballinamallard,Eniskillen Co. Fermanagh,Ireland
To Other Countries	15 01 01	No	47.02 paper and cardboard packaging	R3	M	Weighed	Abroad		

* 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](#)