

**Facility Information Summary**

AER Reporting Year  
 Licence Register Number  
 Name of site  
 Site Location  
 NACE Code  
 Class/Classes of Activity  
 National Grid Reference (6E, 6 N)

2017


W0217-01  
 Killarney Waste Disposal Ltd. t/a KWD Recycling  
 Aughacureen, Killarney, Co. Kerry  
 3832  
 Principal Activity Class 4.2 Recycling or reclamation of organic  
 493610E,593962N

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.

Activities at the KWD facility include delivery of waste to the facility where it is separated into component categories which include, paper, cardboard, HDPE, metal, aluminium and organic wastes. Once separated, the waste is transported offsite for recovery and the residual waste which cannot be recovered is sent to landfill. There were no complaints received by the facility during the period which has been addressed by the site. Noise measures taken at Noise Sensitive Locations did not exceed the ELV. Minor elevations were seen in groundwater trigger values for ammonia and chloride which appear to be from upstream sources. Surface water samples were all compliant with trigger values with the exception of elevations in suspended solids and ammonia.

**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 Group/Facility manager <small>(or nominated, suitably qualified and experienced deputy)</small>	26/07/2018 Date
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**AIR-summary template**

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Answer all questions and complete all tables where relevant

Additional information

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

Yes	
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**Periodic/Non-Continuous Monitoring**

Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below

No	
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Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist?

[Basic air monitoring checklist](#)

[AGN2](#)

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

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision thereof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments -reason for change in % mass load from previous year if applicable
Front Office(D2)	Total Particulates	Quarterly(Q1)	350	Daily average < ELV	135	mg/m2/day	yes	VDI method 2119 part 2 (Bergerhoff Gauge)	N/A	
Back Road(D1)	Total Particulates	Quarterly(Q1)	350	Daily average < ELV	135	mg/m2/day	yes	VDI method 2119 part 2 (Bergerhoff Gauge)	N/A	
Back of shed(D3)	Total Particulates	Quarterly(Q1)	350	Daily average < ELV	147	mg/m2/day	yes	VDI method 2119 part 2 (Bergerhoff Gauge)	N/A	
Front Office(D2)	Total Particulates	Quarterly(Q2)	350	Daily average < ELV	163	mg/m2/day	yes	VDI method 2119 part 2 (Bergerhoff Gauge)	N/A	
Back Road(D1)	Total Particulates	Quarterly(Q2)	350	Daily average < ELV	305	mg/m2/day	yes	VDI method 2119 part 2 (Bergerhoff Gauge)	N/A	

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Back of shed(D3)	Total Particulates	Quarterly(Q2)	350	Daily average < ELV	347	mg/m2/day	yes	VDI method 2119 part 2 (Bergerhoff Gauge)	N/A
Front Office(D2)	Total Particulates	Quarterly(Q3)	350	Daily average < ELV	119	mg/m2/day	yes	VDI method 2119 part 2 (Bergerhoff Gauge)	N/A
Back Road(D1)	Total Particulates	Quarterly(Q3)	350	Daily average < ELV	119	mg/m2/day	yes	VDI method 2119 part 2 (Bergerhoff Gauge)	N/A
Back of shed(D3)	Total Particulates	Quarterly(Q3)	350	Daily average < ELV	159	mg/m2/day	yes	VDI method 2119 part 2 (Bergerhoff Gauge)	N/A
Front Office(D2)	Total Particulates	Quarterly(Q4)	350	Daily average < ELV	279	mg/m2/day	yes	VDI method 2119 part 2 (Bergerhoff Gauge)	N/A
Back Road(D1)	Total Particulates	Quarterly(Q4)	350	Daily average < ELV	N/A	mg/m2/day	yes	VDI method 2119 part 2 (Bergerhoff Gauge)	N/A
Back of shed(D3)	Total Particulates	Quarterly(Q4)	350	Daily average < ELV	312	26/07/ 2018	yes	VDI method 2119 part 2 (Bergerhoff Gauge)	N/A

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

Continuous Monitoring	
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	
Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below	N/A
Do you have a proactive service agreement for each piece of continuous monitoring equipment?	No
Did your site experience any abatement system bypasses? If yes please detail them in table A3 below	No

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

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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
N/A	N/A	N/A	N/A	N/A	N/A	N/A				
N/A	N/A	N/A	N/A	N/A	N/A	N/A				
N/A	N/A	N/A	N/A	N/A	N/A	N/A				
N/A	N/A	N/A	N/A	N/A	N/A	N/A				
N/A	N/A	N/A	N/A	N/A	N/A	N/A				
N/A	N/A	N/A	N/A	N/A	N/A	N/A				

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
N/A	N/A	N/A	N/A	N/A		
N/A	N/A	N/A	N/A	N/A		
N/A	N/A	N/A	N/A	N/A		
N/A	N/A	N/A	N/A	N/A		
N/A	N/A	N/A	N/A	N/A		
N/A	N/A	N/A	N/A	N/A		
N/A	N/A	N/A	N/A	N/A		

\* 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**

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

No

SELECT

<b>Table A4: Solvent Management Plan Summary Total VOC Emission limit value</b>		<a href="#">Solvent regulations</a>		Please refer to linked solvent regulations to complete table 5 and 6	
Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and fugitive)	Total VOC emissions as %of solvent input	Total Emission Limit Value (ELV) in licence or any revision thereof	Compliance
N/A	N/A	N/A	N/A	N/A	SELECT
					SELECT

**Table A5: Solvent Mass Balance summary**

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

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 storm water analysis and visual inspections

No	There is no process effluent generated and therefore no emissions to water. There is one surface water monitoring point at the facility. It is the outlet for the storm water to the Lehanagh Beg stream (River Waterbody code: IE_SW_19M300900) that the sample is taken from
Yes	

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

**Table W1 Storm water monitoring**

Location reference	Location relative to site activities	PRTR Parameter	Licensed Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments Baseline Data / Reg Limits as appropriate
SW-1	onsite		pH	Jan-Dec 2017	7.43	No pH value shall deviate from the specified range.	7.226086957	pH Units	yes	Average Values provided for Surface Water Monitoring Results For 2016 Reporting Period
SW-1	onsite		Conductivity	Jan-Dec 2017	1000	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	322.3913043	mg/l	yes	Average Values provided for Surface Water Monitoring Results For 2016 Reporting Period
SW-1	onsite		Total Ammonia	Jan-Dec 2017	0.7	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	0.209130435	mg/l	yes	Average Values provided for Surface Water Monitoring Results For 2016 Reporting Period

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SW-1	onsite		COD	Jan-Dec 2017	0.7	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	51.13043478	mg/l	yes	Average Values provided for Surface Water Monitoring Results For 2016 Reporting Period
SW-1	onsite		Suspended Solids	Jan-Dec 2017	50	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	7.6	mg/l	yes	Average Values provided for Surface Water Monitoring Results For 2016 Reporting Period
SW-1	onsite	Chlorides (as Cl)		Jan-Dec 2017	48.34	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	23.49565217	mg/l	yes	Average Values provided for Surface Water Monitoring Results For 2016 Reporting Period
SW-1	onsite		Sulphate	Jan-Dec 2017	250	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	29.02869565	mg/l	yes	Average Values provided for Surface Water Monitoring Results For 2016 Reporting Period
R1	onsite Roof		Total Ammonia	13/12/2017	0.7	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	0.18	mg/l	yes	
R1	onsite Roof		Chloride	13/12/2017		All results < 1.2 times ELV, plus 8 from ten results must be < ELV	15	mg/l	yes	

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R1	onsite Roof		Conductivity	13/12/2017	239.03	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	56	us/cm	yes
R1	onsite Roof		pH	13/12/2017	7.15	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	7.4	pH Units	yes
R1	onsite Roof		Sulphate	13/12/2017	22.73	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	<0.5	mg/l	yes
R1	onsite Roof		Suspended Solids	13/12/2017	17.65	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	<2	ug/l	yes
R1	onsite Roof		Antimony	13/12/2017	-	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	7.4	ug/l	yes
R1	onsite Roof		Arsenic	13/12/2017	-	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	<1	ug/l	yes
R1	onsite Roof		Cadmium	13/12/2017	-	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	<0.45	ug/l	yes
R1	onsite Roof		Chromium	13/12/2017	-	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	<1	ug/l	yes
R1	onsite Roof		Lead	13/12/2017	-	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	<1	ug/l	yes
R1	onsite Roof		Mercury	13/12/2017	-	26/07/ 2018	<0.5	ug/l	yes
R1	onsite Roof		Nickel	13/12/2017	-	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	<1	ug/l	yes
R1	onsite Roof		Selenium	13/12/2017	-	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	5.7	ug/l	yes



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R1	onsite Roof		Tellurium	13/12/2017	-	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	<1	ug/l	yes	
R1	onsite Roof		Thallium	13/12/2017	-	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	<1	ug/l	yes	
R1	onsite Roof		Tin	13/12/2017	-	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	<10	ug/l	yes	
R2	onsite Roof		Total Ammonia	13/12/2017	0.7	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	0.09	mg/l	yes	
R2	onsite Roof		Chloride	13/12/2017	41.05	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	20.2	mg/l	yes	
R2	onsite Roof		Conductivity	13/12/2017	615.01	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	237	us/cm	yes	
R2	onsite Roof		pH	13/12/2017	7.64	No pH value shall deviate from the specified range.	7.2	pH Units	yes	
R2	onsite Roof		Sulphate	13/12/2017	157.42	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	5.53	mg/l	yes	
R2	onsite Roof		Suspended Solids	13/12/2017	17.65	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	34	ug/l	yes	
R2	onsite Roof		Antimony	13/12/2017	-	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	<1	ug/l	yes	
R2	onsite Roof		Arsenic	13/12/2017	-	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	1.7	ug/l	yes	
R2	onsite Roof		Cadmium	13/12/2017	-	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	<0.45	ug/l	yes	

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R2	onsite Roof		Chromium	13/12/2017	-	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	<1	ug/l	yes
R2	onsite Roof		Lead	13/12/2017	-	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	<1	ug/l	yes
R2	onsite Roof		Mercury	13/12/2017	-	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	<0.5	ug/l	yes
R2	onsite Roof		Nickel	13/12/2017	-	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	1.6	ug/l	yes
R2	onsite Roof		Selenium	13/12/2017	-	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	<5	ug/l	yes
R2	onsite Roof		Tellurium	13/12/2017	-	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	<1	ug/l	yes
R2	onsite Roof		Thallium	13/12/2017	-	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	<1	ug/l	yes
R2	onsite Roof		Tin	13/12/2017	-	All results < 1.2 times ELV, plus 8 from ten results must be < ELV	15.6	ug/l	yes

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

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

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

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

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

No

Additional information



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

N.D.=Non detect

**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?
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

\*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, please include all bunds outside the licenced testing period** (mobile bunds and chemstore included)

Please provide integrity testing frequency period

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

How many bunds are on site?

How many of these bunds have been tested within the required test schedule?

How many mobile bunds are on site?

Are the mobile bunds included in the bund test schedule?

How many of these mobile bunds have been tested within the required test schedule?

How many sumps on site are included in the integrity test schedule?

How many of these sumps are integrity tested within the test schedule?

**Please list any sump integrity failures in table B1**

Do all sumps and chambers have high level liquid alarms?

If yes to Q11 are these failsafe systems included in a maintenance and testing programme?

Is the Fire Water Retention Pond included in your integrity test programme?

Yes	
3 years	
Yes	
2	
2	
0	
N/A	
N/A	
3	
3	
No	
N/A	
N/A	

**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)
Leachate Sump No.1	reinforced concrete	Good Condition	Leachate	9100	n/a`	Hydraulic test	n/a	19/05/2016	Yes	Pass				
Sump No.3	reinforced concrete	Good Condition	Surface Water	8640	n/a`	Hydraulic test	n/a	19/05/2016	Yes	Pass				
Oil bund No.4	reinforced concrete	Good Condition	Diesel Oil	15600	6000	Hydraulic test	n/a	19/05/2016	Yes	Pass				
Oil Water Interceptor	reinforced concrete	Good Condition	Oil/Water	1271	n/a`	Hydraulic test	n/a	19/05/2016	Yes	Pass				

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

Has integrity testing been carried out in [bunding and storage guidelines](#)

Are channels/transfer systems to remote containment systems tested?

Are channels/transfer systems compliant in both integrity and available volume?

Yes	
SELECT	
SELECT	

**Underground structure testing**

your licence to undertake integrity testing\* on

Please provide integrity testing frequency period

\*please note integrity testing means water tightness testing for process and foul pipelines (as required under your licence)

No	
3 years	

of pipeline/underground structures integrity test

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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	Schedule d date for retest	Results of retest(if in current reporting year)
Foul Drain (F1)	Foul	polypropylene	No	Pipe in channel	CCTV	Yes	Pass				SELECT
Foul Drain (F2)	Foul	polypropylene	No	Pipe in channel	CCTV	Yes	Pass				
Foul Drain (F3)	Foul	polypropylene	No	Pipe in channel	CCTV	Yes	Pass				
Foul Drain (F4)	Foul	polypropylene	No	Pipe in channel	CCTV	Yes	Pass				
Foul Drain (F5)	Foul	polypropylene	No	Pipe in channel	CCTV	Yes	Pass				

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

**Groundwater/Soil monitoring template**

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			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
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.	no	
5	Is the contamination related to operations at the facility (either current and/or historic)	no	
6	Have actions been taken to address contamination issues? If yes please summarise remediation strategies proposed/undertaken for the site	N/A	
7	Please specify the proposed time frame for the remediation strategy	N/A	
8	Is there a licence condition to carry out/update ELRA for the site?	yes	
9	Has any type of risk assessment been carried out for the site?	yes	
10	Has a Conceptual Site Model been developed for the site?	yes	
11	Have potential receptors been identified on and off site?	yes	
12	Is there evidence that contamination is migrating offsite?	no	

**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
Apr-17 and Oct-17	MW3	Total Ammonia	Spectrophotometry	Biannual	2.94	2.91	mg/l	0.175	0.15	no
Apr-17 and Oct-17	MW3	Conductivity	Rohasys minilab	Biannual	554	550.5	us/cm @ 20C	1000	1000	no
Apr-17 and Oct-17	MW3	Nitrate	Spectrophotometry	Biannual	<0.25	<0.25	mg/l	37.5	27.5	no
Apr-17 and Oct-17	MW3	Sulphate	Spectrophotometry	Biannual	<0.5	<0.5	mg/l	187.5	200	no
Apr-17 and Oct-17	MW3	Diesel Range Organics	**5520F	Biannual	<10	<10	ug/l	135.8		no

.+ where average indicates arithmetic mean

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

**Table 2: Downgradient Groundwater monitoring results**

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration	Average Concentration	unit	GTV's*	SELECT**	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
Apr-17 and Oct-17	BH1	Total Ammonia	Spectrophotometry	Biannual	1.73	1.68	mg/l	0.175	0.15	no
Apr-17 and Oct-17	BH1	Conductivity	Rohasys minilab	Biannual	653	653	us/cm	1000	1000	no
Apr-17 and Oct-17	BH1	Nitrate	Spectrophotometry	Biannual	<0.25	<0.25	mg/l	37.5	27.5	no
Apr-17 and Oct-17	BH1	Sulphate	Spectrophotometry	Biannual	0.5	0.50	mg/l	187.5	200	no

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Apr-17 and Oct-17	BH1	DRO	**5520F	Biannual	79	79.00	ug/l	135.8		no
Apr-17 and Oct-17	BH2	Total Ammonia	Spectrophotometry	Biannual	1.53	1.12	mg/l	0.175	0.15	no
Apr-17 and Oct-17	BH2	Conductivity	Rohasys minilab	Biannual	786	773.5	us/cm	1000	1000	no
Apr-17 and Oct-17	BH2	Nitrate	Spectrophotometry	Biannual	<0.25	<0.25	mg/l	37.5	27.5	no
Apr-17 and Oct-17	BH2	Sulphate	Spectrophotometry	Biannual	<0.5	<0.5	mg/l	187.5	200	no
Apr-17 and Oct-17	BH2	DRO	**5520F	Biannual	91	91.000	ug/l	135.8		no
Apr-17 and Oct-17	BH3	Total Ammonia	Spectrophotometry	Biannual	2.94	2.91	mg/l	0.175	0.15	no
Apr-17 and Oct-17	BH3	Conductivity	Rohasys minilab	Biannual	554	550.500	us/cm	1000	1000	no
Apr-17 and Oct-17	BH3	Nitrate	Spectrophotometry	Biannual	<0.25	<0.25	mg/l	37.5	27.5	no
Apr-17 and Oct-17	BH3	Sulphate	Spectrophotometry	Biannual	<0.5	<0.5	mg/l	187.5	200	no
Apr-17 and Oct-17	BH3	DRO	**5520F	Biannual	<10	<10	ug/l	135.8		no
Apr-17 and Oct-17	BH4	Total Ammonia	Spectrophotometry	Biannual	10.5	5.26	mg/l	0.175	0.15	no
Apr-17 and Oct-17	BH4	Conductivity	Rohasys minilab	Biannual	407	404	us/cm	1000	1000	no
Apr-17 and Oct-17	BH4	Nitrate	Spectrophotometry	Biannual	0.4	0.4	mg/l	37.5	27.5	no
Apr-17 and Oct-17	BH4	Sulphate	Spectrophotometry	Biannual	23.1	22.8	mg/l	187.5	200	no
Apr-17 and Oct-17	BH4	DRO	**5520F	Biannual	<10	<10	ug/l	135.8		no

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 [Groundwater monitoring template](#)  
 EPA published guidance (see the link in G31) [Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites \(EPA 2013\)](#).

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

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

**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



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

		Commentary
1	ELRA initial agreement status	Submitted and not agreed by EPA;
2	ELRA review status	Review required and completed
3	Amount of Financial Provision cover required as determined by the latest ELRA	€511,260
4	Financial Provision for ELRA status	Submitted and not agreed by EPA;
5	Financial Provision for ELRA - amount of cover	€2,600,00
6	Financial Provision for ELRA - type	Public Liability Insurance with Environmental Impairment Liability cover,
7	Financial provision for ELRA expiry date	Renewed Annually
8	Closure plan initial agreement status	Closure plan submitted and agreed by EPA
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	Please refer to the Report
12	Financial Provision for Closure - type	cash deposit
13	Financial provision for Closure expiry date	N/A

**Environmental Management Programme/Continuous Improvement Programme template**

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Highlighted cells contain dropdown menu click to view

Additional Information

1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	Yes	
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes	
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	
4	Do you maintain an environmental documentation/communication system to inform the public on environmental performance of the facility, as required by the licence	No	

**Environmental Management Programme (EMP) report**

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Additional improvements	Adhere to Environmental Management System	Ongoing	Carry out internal environmental audits	Section Head	Increased compliance with licence conditions
Additional improvements	To ensure that all employees are made aware of requirements of the site environmental system	Ongoing	Identify environmental training needs of all employees Provide environmental awareness training to all employees	Section Head	Improved Environmental Management Practises
Additional improvements	Maintenace programme for vehicles and equipment	Ongoing	Completing the maintenace programme	Section Head	Improved Environmental Management Practices
Additional improvements	To conduct Annual Environmental Review Meetings	Ongoing	Review Environmental Performance of faciliity	Section Head	Increased compliance with licence conditions
Additional improvements	Prepare annual statement in accordance with condition 12.2.2 of 1of Waste Licence No W0217-01	Ongoing	Reviewed ELRA and submitted to EPA	Section Head	Increased compliance with licence conditions

1 Was noise monitoring a licence requirement for the AER period?  
If yes please fill in table N1 noise summary below

Yes

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

Noise Guidance note NG4

No

3 Does your site have a noise reduction plan

N/A

4 When was the noise reduction plan last updated?

N/A

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>eq</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)?
4.12.17	0956-1026	At the entrance to the site beside the visitors/directors car park and near the main reception. Not located at a Noise Sensitive Location	NML1	58	33	52		No		Occasional vehicle movements, Plant Operations quite audible. Bird song/calls, aircraft, and intermittent traffic movements in distance.	
4.12.17	1329-1359		NML1	63	36	57		No		As previous	
4.12.17	1554-1624		NML1	61	39	59		No		As previous	
4.12.17	1033-1103	Close to noise sensitive location to the southwest of the site, on local access road	NML2	48	41	50		No		audible at low level in building. Bird song/calls, aircraft, and intermittent traffic movements in distance. Tractor occasionally slightly audible in distance to NE. Passing local road traffic movements 1039 1041 1043 1058.	
4.12.17	1405-1435		NML2	57	39	58		No		Site activity audible on occasion, chiefly loader operation in building, with audibility varying from slightly audible to quite audible. Energy detected in 16 Hz band from building process. Bird song/calls, aircraft, and intermittent traffic movements in distance.	
4.12.17	1628-1658		NML2	56	34	50		No		Grab in building continuously audible at low level. 16 Hz signal detected from 1650. Bird song/calls, aircraft, and intermittent traffic movements in distance.	
4.12.17	1254-1324	Beside nearest noise sensitive location to the north west of the site and adjacent local access road	NML3	62	35	55		No		Yard activity regularly audible, varying from slight to low level. Intermittent passing road traffic dominant when present.	
4.12.17	1519-1549		NML3	61	31	52		No		As previous	
4.12.17	1740-1810		NML3	53	35	53		No		As previous	
4.12.17	1136-1206	-	NML4	42	32	43		No		Operations regularly audible at low level throughout interval, chiefly from mobile plant on yards and in building. Sporadic truck movements also audible at low level. Intermittent passing traffic clearly audible, and audible in distance	
4.12.17	1442-1512	-	NML4	43	33	43		No		As previous. Chainsaw regularly audible at low level to SE.	
4.12.17	1704-1734	-	NML4	43	31	47		No		Prior to 1710, no emissions audible. From 1710, occasional yard activity audible at low level. 16 Hz signal discernible throughout. Boiler operating at adjacent dwelling continuously clearly audible to 1710, masking all sources except intermittent passing traffic clearly audible and bird song/calls. From 1710, distant traffic, barking and crow calls audible. Car movement at adjacent dwelling 1712.	

26/07/2018

\*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?

SELECT

\*\* please explain the reason for not taking action/resolution of noise issues?

Any additional comments? (less than 200 words)

Additional information

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

Apr-08	
No	
SELECT	Not Applicable

Table R1 Energy usage on site

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)				
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (M	27.06289	10.21722	90.42	
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)	462.16387	446.4654	3.455	
Natural gas (m3)				
Coal/Solid fuel (metric tonnes)				
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

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

\*\* where site production information is available please enter percentage increase or decrease compared to previous year

Table R2 Water usage on site

Water 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	Unaccounted for Water:
					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	
Groundwater							
Surface water							
Public supply		238.489					
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

**Resource Usage/Energy efficiency summary**

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**Table R3 Waste Stream Summary**

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

**Table R4: Energy Audit finding recommendations**

Date of audit	Recommendations	Description of Measures proposed	Origin of measures	Predicted energy savings %	Implementation date	Responsibility	Completion date	Status and comments
			SELECT					
			SELECT					
			SELECT					

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

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

**Complaints and Incidents summary template**

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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

Table 1 Complaints summary

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

**Complaints and Incidents summary template**

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**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

Yes	
-----	--

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

**Table 2 Incidents summary**

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
26/04/2017	Breach of ELV	D3 dust monitoring point	1. Minor	Air	Operational controls		Normal activities	EPA	New	Incident Reported to Cork County Council	Ivy cut back around monitoring point and gravel pile nearby reduced.	Ongoing	26/04/2017	Low
Total number of incidents current year	1													
Total number of incidents previous year	0													
% reduction/increase	100%													

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

[PRTR facility logon](#)

dropdown list click to see options

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

Additional Information

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)

Yes	
-----	--

If yes please enter details in table 1 below

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

No	
----	--

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)	EWC code	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description which applies to relevant EWC code	Quantity of waste accepted in current reporting year (tonnes)	Quantity of waste accepted in previous reporting year (tonnes)	Reduction/ Increase over previous year +/- %	Reason for reduction/increase from previous reporting year	Packaging Content (%)- only applies if the waste has a packaging component	Disposal/Recovery or treatment operation carried out at your site and the description of this operation	Quantity of waste remaining on site at the end of reporting year (tonnes)	Comments -
	<a href="#">European Waste Catalogue EWC codes</a> EWC 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	<a href="#">European Waste Catalogue EWC codes</a> Cardboard	1048.24	853				R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, seperating, blending or mixing prior to submission to any of the operations numbered R1 to R11)		
	EWC 20 01 08	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Compost	4099.806	N/A				R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, seperating, blending or mixing prior to submission to any of the operations numbered R1 to R11)		



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	EWC 20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Dry Recyclable	9111.164	42087				R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, seperating, blending or mixing prior to submission to any of the operations numbered R1 to R11)		
	EWC 17 02 02	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Glass	40.82	N/A				R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, seperating, blending or mixing prior to submission to any of the operations numbered R1 to R11)		
	EWC 20 01 39	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Hard Plastic	13.64	N/A				R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, seperating, blending or mixing prior to submission to any of the operations numbered R1 to R11)		

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	EWC 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	Jazz Film	178	N/A						R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, seperating, blending or mixing prior to submission to any of the operations numbered R1 to R11)
	EWC 20 01 39	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	LDPE 90/10	156							R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, seperating, blending or mixing prior to submission to any of the operations numbered R1 to R11)
	EWC 20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Commercial	7358.674							R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, seperating, blending or mixing prior to submission to any of the operations numbered R1 to R11)

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	EWC 20 03 39	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Film	18.4						R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, seperating, blending or mixing prior to submission to any of the operations numbered R1 to R11)		
	EWC 20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Load	701.16						R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, seperating, blending or mixing prior to submission to any of the operations numbered R1 to R11)		
	EWC 20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Muncpal Waste	14067.172						R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, seperating, blending or mixing prior to submission to any of the operations numbered R1 to R11)		

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EWC 20 03 01	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Mixed Skips	2175.148						R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, seperating, blending or mixing prior to submission to any of the operations numbered R1 to R11)
EWC 17 01 07	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	Rubble	53.94	26/07/2018	-				R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, seperating, blending or mixing prior to submission to any of the operations numbered R1 to R11)
EWC 20 01 40	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Scrap Metal Heavy	591.8	2199(given as total metals in previous year-not divided into heavy and light)					R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, seperating, blending or mixing prior to submission to any of the operations numbered R1 to R11)

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EWC 20 01 40	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Scrap Metal Light	401.186	2199(given as total metals in previous year- not divided into heavy and light)	R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, seperating, blending or mixing prior to submission to any of the operations numbered R1 to R11)
EWC 20 03 03	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Street Cleaning	106.86	116	R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, seperating, blending or mixing prior to submission to any of the operations numbered R1 to R11)
EWC 20 01 38	20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS	Timber	684.72	N/A	R12-Exchange of waste for submission to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to recovery including pre-processing such as amongst others, dismantling, sorting, crushing, compacting, pelletising, drying, shredding, conditioning, repackaging, seperating, blending or mixing prior to submission to any of the operations numbered R1 to R11)

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

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

Yes	
-----	--

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

Yes	
-----	--

6 Does your facility have relevant nuisance controls in place?

Yes	
-----	--

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

Yes	
-----	--

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8 Do you maintain a sludge register on site?

N/A

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**SECTION D-TO BE COMPLETED BY LANDFILL SITES ONLY**

**Table 2 Waste type and tonnage-landfill only**

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

**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
										m2	m2	SELECT UNIT	

**Table 4 Environmental monitoring-landf** [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 S53(A)(5) of WMA been submitted in reporting year	Comments

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

**Table 5 Capping-Landfill only**

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

\*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	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

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**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