Facility Information Summary	
AER Reporting Year	2016
Licence Register Number	W0045-01
Name of site	KeyWaste Management Limited
Site Location	Greenview, Greenhills Road, Walkinstown, Dublin 12
NACE Code	3811, 3812
Class/Classes of Activity	Collection (& transfer) of non- hazardous and hazardous waste
National Grid Reference (6E, 6 N)	(310577.889, 230453.425)

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.	The results of this monitoring indicates the site is functioning well, with all parameters being compliant with the conditions set out in Schedule F: Emission Limits of W0045-01. All the measured values are significantly below the ELVs. As the company is expanding, an increase in the volume of waste transferred through the site has been observed. This increase is still significantly below the permissable 'Maximum Tonnes Per Annum' listed in Schedule G of the Waste Licence. In 2016, there was no infrastructural changes on site. Throughout the year we had very few complaints. In 2016 KeyWaste implemented a variety of abatement measures through the generation of a Noise Minimisation Plan and had odour consultants on site; however the company decided to implement some structural changes to mitigate for noise and odour on a more effective, long-term basis. This resulted to the closure of shed 3 & 4. The closure of the waste transfer shed comprised of two main exercises: cladding of the shed, and installation of fast acting roller door. It is with such measures that the companys complaints have reduced greatly over the past year.

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.

Brona Dunne	30/03/2017
Signature	Date
Group/Facility manager	
(or nominated, suitably qualified and experienced deputy)	

AIR-summary template	Lic No:	W0045-01	Year	2016

Yes No

Answer all questions and complete all tables where relevant

			Additional information
1	Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current reporting year and answer further questions. If **you do not have** licenced emissions and **do not complete a solvent management plan** (table A4 and A5) you do not need to complete the tables	Yes	Quarterly dust monitoring using the Bergerhoff method of dust analysis

Periodic/Non-Continuous Monitoring

2	Are there any results in breach of licence requirements? If yes please provide brief details in the comment section of TableA1 below		No	
3	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	

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

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision therof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments - reason for change in % mass load from previous year if applicable
D1	Total Particulates	Quarterly	350	Monthly average < ELV	148	mg/m2/day	yes	Bergerhoff	0.054	
D3	Total Particulates	Quarterly	350	Monthly average < ELV	124	mg/m2/day	yes	Bergerhoff	0.045	
D4	Total Particulates	Quarterly	350	Monthly average < ELV	134	mg/m2/day	yes	Bergerhoff	0.049	

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

AIR-summary template	Lic No:	W0045-01	Year	2016

Continuous Monitoring

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

Table A2: Summary of average emissions -continuous monitoring

Emission reference no:	Parameter/ Substance	ELV in licence or any revision therof	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

AIR-summary template	Lic No:	W0045-01	Year	2016

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

SELECT

Table A4: Solvent Management Plan Summary
Total VOC Emission limit value

Solvent regulations — Please refer to linked solvent regulations to complete table 5 and 6

Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and fugitive)	Total VOC emissions as %of solvent input	Total Emission Limit Value (ELV) in licence or any revision therof	Compliance
					SELECT
					SELECT

Table A5: Solvent Mass Balance summary

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

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: W0045-01 Year 2016

Yes No

			Additional information
1	Does your site have licensed emissions direct to surface water or direct to sewer? If yes please complete table W2 and W3 below for the current reporting year and answer further questions. If **you do not have** licenced emissions you only need to complete table W1 and or W2 for storm water analysis and visual inspections	Yes	Emission to sewer
2	Was it a requirement of your licence to carry out visual inspections on any surface water discharges or watercourses on or near your site? If yes please complete table W2 below summarising only any evidence of contamination noted during visual inspections	No	

Table W1 Storm water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licenced 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
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	
	SELECT	SELECT	SELECT			SELECT		SELECT	SELECT	

*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		
			SELECT		

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

				Additional information
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	
4	Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box	External /Internal Lab Quality checklist / Assessment of results checklist	Yes	

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

Emission reference no:	Emission released to	Parameter/ SubstanceNote 1	Type of sample	Frequency of monitoring	Averaging period	ELV or trigger values in licence or	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference	Annual mass load (kg)	Comments
Sump A	Wastewater/Sewer	BOD	discrete	Quarterly	24 hour	2500	All values < ELV	332.75	mg/L	yes	Other (please describe)	UK SCA "Blue Book" series	SOP 1090	431.39	5 Day incubation at 20°C
Sump A	Wastewater/Sewer	COD	discrete	Quarterly	24 hour	7500	All values < ELV	585.75	mg/L	yes	Other (please describe)	UK SCA "Blue Book" series	SOP 1100	821.2	Dichromate oxidation, colorimetry
Sump A	Wastewater/Sewer	Ammonia (as N)	discrete	Quarterly	24 hour	100	All values < ELV	31.08	mg/L	yes	Other (please describe)	UK SCA "Blue Book" series	SOP 1220	43.1	Automated colorimetric with Aquakem 600
Sump A	Wastewater/Sewer	Suspended Solids	discrete	Quarterly	24 hour	1000	All values < ELV	147	mg/L	yes	Other (please describe)	UK SCA "Blue Book" series	SOP 1030	203.83	of residue after dried at 105°C
Sump A	Wastewater/Sewer	Sulphate	discrete	Quarterly	24 hour	500	All values < ELV	144.4	mg/L	yes	Other (please describe)	UK SCA "Blue Book" series	SOP 1220	200.23	Aquakem 600
Sump A	Wastewater/Sewer	pH	discrete	Quarterly	24 hour	6 _ 10	No pH value shall deviate from the specified range.	6.9	pH units	yes	pH Meter (Electrode)	UK SCA "Blue Book" series	SOP 1010	N/A	N/A
Sump A	Wastewater/Sewer	Detergents (as MBAS)	discrete	Quarterly	24 hour	100	All values < ELV	0.52	degrees C	yes	Spectrophotometry (Colorimetry)	UK SCA "Blue Book" series	SOP 1770	0.72	Solvent extraction and colorimetric measurement
Sump A	Wastewater/Sewer	Fats, Oils and Greases	discrete	Quarterly	24 hour	100	All values < ELV	11.17	mg/L	yes	Gravimetric analysis	UK SCA "Blue Book" series	SOP 1025	15.49	Solvent extraction and gravimetric analysis
Sump A	Wastewater/Sewer	Temperature	discrete	Quarterly	24 hour	42	No temperature value shall exceed the limit value.	15.08	degrees C	yes	Other (please describe)	APHA / AWWA "Standard Methods"		N/A	Thermometer

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

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)	Lic No:	W0045-01	Year	2016

Continuous monitoring

			Additional Information
5	Does your site carry out continuous emissions to water/sewer monitoring?	No	
	If yes please summarise your continuous monitoring data below in Table W4 and compare it to its relevant Emission Limit Value (ELV)		
6	Did continuous monitoring equipment experience downtime? **If yes please record downtime in table W4 below**	SELECT	
7	Do you have a proactive service contract for each piece of continuous monitoring equipment on site?	SELECT	
8	Did abatement system bypass occur during the reporting year? **If yes please complete table W5 below**	SELECT	

Table W4: Summary of average emissions -continuous monitoring

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

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

Table W5: Abatement system bypass reporting table

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

*Measures taken or proposed to reduce or limit bypass frequency

Bund/Pipeline testing template

Lic No: W0045-01 Year 2016

Bund testing

dropdown menu click to see options

		Additional information
1	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)	Yes — Fuel (1)
2	Please provide integrity testing frequency period	3 years
3	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)	Yes
4	How many bunds are on site?	1 — 1 Fuel
5	How many of these bunds have been tested within the required test schedule?	1
6	How many mobile bunds are on site?	
7	Are the mobile bunds included in the bund test schedule?	No — Not specified in licence (tested anyway)
8	How many of these mobile bunds have been tested within the required test schedule?	2
9	How many sumps on site are included in the integrity test schedule?	2 — Sump A and D
10	How many of these sumps are integrity tested within the test schedule?	2 — Every 5 Years
	Please list any sump integrity failures in table B1	
11	Do all sumps and chambers have high level liquid alarms?	N/A — Only required for interceptor
12	If yes to Q11 are these failsafe systems included in a maintenance and testing programme?	N/A
13	Is the Fire Water Retention Pond included in your integrity test programme?	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)
Diesel	reinforced concrete		Diesel	9636 L	5500L (110% containment); 1875L (25% Total)	Hydraulic test		02/02/2015	Yes	Pass		SELECT		
	SELECT					SELECT			SELECT	SELECT		SELECT		

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

		Commentary
15	Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance? (bunding and storage guidelines)	Yes
16	Are channels/transfer systems to remote containment systems tested?	SELECT — n/a
17	Are channels/transfer systems compliant in both integrity and available volume?	SELECT — n/a

Pipeline/underground structure testing

1	Are you required by your licence to undertake integrity testing* on underground structures e.g. pipelines or sumps etc ? if yes please fill out table 2 below listing all underground structures and pipelines on site **which failed the integrity test and all which have not been tested withing the integrity test period as specified**	Yes
2	Please provide integrity testing frequency period	Other (please specify) — Every 5 years

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

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)
Pipe Network	Foul	pvc	No	N/A	CCTV	Yes	Fail	Medium open joint identified	Patch repair	Immediate - Completed	Pass
Sumps A and D	Foul	concrete	No	N/A	Hydraulic	Yes	Pass				

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

Groundwater/Soil monitoring template	Lic No:	W0045-01	Year	2016

			Comments	
1	Are you required to carry out groundwater monitoring as part of your licence requirements?	no		Please provide an interpretation of groundwater monitoring data in the interpretation box below or if you require additional space please include a groundwater/contaminated land monitoring results interpretaion as an additional section in this AER
2	Are you required to carry out soil monitoring as part of your licence requirements?	no		
3	Do you extract groundwater for use on site? If yes please specify use in comment section	no		
4	Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is there an upward trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below. Groundwater monitoring template	SELECT		
5	Is the contamination related to operations at the facility (either current and/or historic)	SELECT		
6	Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	SELECT		
7	Please specify the proposed time frame for the remediation strategy	SELECT		
8	Is there a licence condition to carry out/update ELRA for the site?	SELECT		
9	Has any type of risk assesment been carried out for the site?	SELECT		
10	Has a Conceptual Site Model been developed for the site?	SELECT		
11	Have potential receptors been identified on and off site?	SELECT		
12	Is there evidence that contamination is migrating offsite?	SELECT		Please enter interpretation of data here

Table 1: Upgradient Groundwater monitoring results

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

.+ where average indicates arithmetic mean

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

Table 2: Downgradient Groundwater monitoring results

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

Groundwater/Soil monitoring template	Lic No:	W0045-01	Year	2016

*please note exceedance of generic assessment criteria (GAC) such as a Groundwater Threshold Value (GTV) or an Interim Guideline Value (IGV) or an upward trend in results for a substance indicates that further interpretation of monitoring results is required. In addition to completing the above table, please complete the Groundwater Monitoring Guideline Template Report at the link provided and submit separately through ALDER as a licensee return or as otherwise instructed by the EPA.	Groundwater monitoring template
More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance (see the link in G31)	Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites (EPA 2013).

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

Groundwater/Soil monitoring template Lic No: W0045-01 Year 2016

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:	W0045-01	Year	2016

Click here to access EPA guidance on Environmental Liabilities and Financial provision

			Commentary
1	ELRA initial agreement status	Submitted and agreed by EPA	
2	ELRA review status	Review required and completed	
3	Amount of Financial Provision cover required as determined by the latest ELRA	€70,000	
4	Financial Provision for ELRA status	Submitted and agreed by EPA	
5	Financial Provision for ELRA - amount of cover	1,000,000	
6	Financial Provision for ELRA - type	Environmental Impairment Liability insurance	
7	Financial provision for ELRA expiry date	08/09/2017	
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	€141,400	€25,000 of which was added (In agreement with EPA)
12	Financial Provision for Closure - type	bond	
13	Financial provision for Closure expiry date	Enter expiry date	

Environmental Management Programme/Continuous Improvement Programme template		Lic No:	W0045-01	Year	2016

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	Yes	

Environmental Management Programme (EMP) report

Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Additional improvements	Continually review and assess all nuisance control procedures to ensure minimal impact on surroundings	Ongoing	Continual Mointoring	Section Head	Improved Environmental Management Practices
Additional improvements	Maintain EMS documentation at the facility	Ongoing	Regular maintenance update of EMS where necessary.	Section Head	Improved Environmental Management Practices
Additional improvements	Complete vermin control plan	Ongoing	Orkin Pest control have regulary scheduled visits to ensure vermin do not become a problem.	Section Head	Improved Environmental Management Practices
Energy Efficiency/Utility conservation	Install outdoor and indoor motion sensor lights	Completed	By automatically turning off after a few minutes, they prevent wasted electricity and help conserve energy resources. - Insatlled	Section Head	Improved Environmental Management Practices
Reduction of emissions to Air	To invested significantly in our IT system, to allow us to route our trucks in the most efficient manner	Ongoing	Veri Location (Software)us to route our trucks. his helps us to reduce our CO2 emissions from our Heavy-Duty Vehicles.	Section Head	Reduced Emissions
Energy Efficiency/Utility conservation	Harvest rain water to better utilize an energy resource and reduce wastage.	Ongoing	The rain water collected is used for washing trucks and vans, the yard area and watering our trees.	Section Head	Improved Environmental Management Practices

Noise monitoring summary report	Lic No:	W0045-01	Year	2016

1 Was noise monitoring a licence requirement for the AER period? If yes please fill in table N1 noise summary below		Yes
2 Was noise monitoring carried out using the EPA Guidance note, including completion of the "Checklist for noise measurement report" included in the guidance note as table 6?	Noise Guidance note NG4	Yes
3 Does your site have a noise reduction plan		Yes
4 When was the noise reduction plan last updated?		03/02/2015
5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?		No

Table N1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA_{eq}	LA_{90}	LA_{10}	LA_{max}	Tonal or Impulsive noise* (Y/N)	If tonal /impulsive noise was identified was 5dB penalty applied?	Comments (ex. main noise sources on site, & extraneous noise ex. road traffic)	Is site compliant with noise limits (day/evening/night)?
30/03/2016	11:23 (30 Min)	N1	N/A	78.2	66.8	82	91.2	No	N/A	The dominant contributers to ambient noise levels were identified to be from off-site sources (traffic).	Yes
30/03/2016	12:36 (30 Min)	N2	N/A	65.6	52.1	69.7	77.9	No	N/A	The dominant contributers to ambient noise levels were identified to be from off-site sources (traffic).	Yes
30/03/2016	13:38 (30 Min)	N3	N/A	55.6	51.3	56.9	73.8	No	N/A	The dominant contributers to ambient noise levels were identified to be from off-site sources (traffic).	Yes
30/03/2016	10:07 (30 min)	N4	N/A	55.9	52.8	57.7	74.3	No	N/A	The dominant contributers to ambient noise levels were identified to be from off-site sources (traffic).	Yes
30/03/2016	09:19 (30 min)	N5	N/A	62	57.6	64.5	74.5	No	N/A	The dominant contributers to ambient noise levels were identified to be from off-site sources (traffic).	Yes
30/03/2016	10:50 (30 min)	N6	N/A	76	62.9	79.8	88.4	No	N/A	The dominant contributers to ambient noise levels were identified to be from off-site sources (traffic).	Yes
30/03/2016	12:03 (30 min)	N7	N/A	58.4	49.3	61.5	82	No	N/A	The dominant contributers to ambient noise levels were identified to be from off-site sources (traffic).	Yes

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 site compliant with noise limits (day/evening/night)?
15/09/2016	15:02 (30 min)	N1	N/A	77.6	66.8	81.4	90.7	No	N/A	The dominant contributers to ambient noise levels were identified to be from off-site sources (traffic).	Yes
15/09/2016	15:36 (30 min)	N2	N/A	64.3	53.9	68	76.9	No	N/A	The dominant contributers to ambient noise levels were identified to be from off-site sources (traffic).	Yes
15/09/2016	13:52 (30 min)	N3	N/A	54	50.1	55.8	74.6	No	N/A	The dominant contributers to ambient noise levels were identified to be from off-site sources (traffic).	Yes
15/09/2016	12:45 (30 min)	N4	N/A	65.4	52	60.6	94.7	No	N/A	The dominant contributers to ambient noise levels were identified to be from off-site sources (traffic).	Yes
15/09/2016	13:18 (30 min)	N5	N/A	57	58.8	54	66.5	No	N/A	The dominant contributers to ambient noise levels were identified to be from off-site sources (traffic).	Yes
15/09/2016	14:30 (30 min)	N6	N/A	75.8	63.4	79.6	86	No	N/A	The dominant contributers to ambient noise levels were identified to be from off-site sources (traffic).	Yes
######	16:09 (30 min	N7	N/A	61.2	44.3	64.2	88.7	No	N/A	The dominant contributers to ambient noise levels were identified to be from off-site sources (traffic).	Yes

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

Any additional comments? (less than 200 words)

Resource Usage/Energy efficiency summary	Lic No:	W0045-01	Year	2016

			Additional information
1	When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below	Enter date of audit	
2	Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI programme linked to the right? If yes please list them in additional information	SEAI - Large Industry Energy Network (LIEN) SELECT	
3	Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information	SELECT	

Table R1 Energy usage on site

Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)				
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (MWHrs)				
Electricity Consumption (MWHrs)				
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)				
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 Emissions	Water Consumption	
Water use	Water extracted Previous year m3/yr.	Water extracted Current year m3/yr.	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*	Volume Discharged back to environment(m^3yr):	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

Table R3 Waste Stream Summary

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

Resource Usage/Energy efficiency summary

Lic No: W0045-01 Year 2016

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: W0045-01 Year 2016

Complaints		
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	Yes	

Table 1 Complaints summary

Date	Category	Other type (please specify)	Brief description of complaint (Free txt <20 words)	Corrective action< 20 words	Resolution status	Resolution date	Further information
10/03/2016	Air		Massive amounts of dust and dirt from people raw waste rising up into the Air and being blown into and around the surrounding community. Door to building number 3 left open.	The shed in question contains C&D waste which was not loaded that day. Dust monitoring was being carried out during this time, with the results submitted to the EPA.	Complete	18/03/2016	
18/03/2016	Noise		Operations started before 6am. Trucks revving engines and loudly stacking empty metal skips onto metal truck beds.Extremely loud noise in the early hours of the morning	No waste activities were taking place at the facility at this time. All of the same noise minimising measures are still in place.	Complete	01/04/3016	
18/03/2016	Odour		Building numder#3's door left open every 30 minutes. Attracting birds.	Operations were as normal. Small amount of C&I had been on site that morning and had been removed within the appropriate time-frame. On speaking with staff there was no strange odour in the air and it was found that there was no pungent or prolonged odour detected by any of the staff on this day.	Complete	01/04/3016	
19/03/2016	Air		Building numder#3's door left open.Dust and dirt rising from truck loads being loaded. Was being dumped outside shed	Building #3 contains C&D waste, with all waste and waste operations taking place within. The trucks park within the shed as the Manitou loads. We have never nor will we ever tip waste outside of our sheds.	Complete	31/03/2016	
11/07/2016	Odour		Odour of 'decomposing rubbish or waste' . Doors of the waste shed are not being closed properly. Concerned that the dust sprayers may not be working	KeyWaste operations were as normal.An odour coming from the beyond Greenhills road had been detected by a member of staff. Dust monitoring was being carried out during this time, with the results submitted to the EPA.	Complete	13/07/2016	

Total complaints open at start of reporting year	0
Total new complaints received during reporting year	5
Total complaints closed during reporting year	5
Balance of complaints end of reporting year	0

Complaints and Incidents summary template Lic No: W0045-01 Year 2016

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	

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 reoccurence
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT

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

WASTE SUMMARY Lic No: W0045-01 Year 2016

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
1	Were any wastes accepted onto your site for recovery or disposal or treatment prior to recovery or disposal within the boundaries of your facility ?; (waste generated within your boundaries is to be captured through PRTR reporting) If yes please enter details in table 1 below	No	
2	Did your site have any rejected consignments of waste in the current reporting year? If yes please give a brief explanation in the additional information	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)

Licenced annual tonnage limit for your site (total tonnes/annum)	EWC code European Waste Catalogue EWC codes	Source of waste accepted	Description of waste accepted **Please enter an accurate and detailed description - which applies to relevant EWC code** European Waste Catalogue EWC codes	Quantity of waste accepted in current reporting year (tonnes)	Quantity of waste accepted in previous reporting year (tonnes)	Reduction/ Increase over previous year +/ - %	Reason for reduction/ increase from previous reporting year	Packaging Content (%)- only applies if the waste has a packaging component	Disposal/Recovery or treatment operation carried out at your site and the description of this operation	Quantity of waste remaining on site at the end of reporting year (tonnes)	Comments -
300000	**15 01 01**	*15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED*	Paper and Cardboard packaging	1,093.41	821.33	33%		*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)*		Waste Transfer Station
300000	**15 01 02**	*15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED*	Plastic packaging	9.37	9.92	-6%		*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)*		Waste Transfer Station

WASTE SUMMARY					Lic No:	W0045-01		Year	2016		
300000	**15 01 03**	*15- WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED*	Wooden packaging	254.73	1,099.27	-77%	General reduction in wooden packaging placed in skips	*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)*		Waste Transfer Station
300000	**16 02 14**	*AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY*	Discarded equipment other than those mentioned in 16 02 09 to 16 02 13	2.56	1.22	110%		*N/A*	*to any of the operations numbered R1 to R11 (if there is no other R code*		Waste Transfer Station
300000	**17 05 04**	*17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)*	soil and stones other than those mentioned in 17 05 03	70.54	*0*	#DIV/0!	Increase in construction skip waste	*N/A*	*to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include*		Waste Transfer Station
300000	**19 12 02**	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	Ferrous metal	2.40	1.74	38%		*N/A*	*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,*		Waste Transfer Station
300000	**19 12 12**	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	344.76	411.55	-16%		*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)*		Waste Transfer Station
300000	**20 01 08**	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	Biodegradable kitchen and canteen waste	5,999.13	2,419.29	148%	Conversion of customer to Organic waste from MMW	*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)*		Waste Transfer Station
300000	**20 01 99**	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	Other fractions not otherwise specified	1357.3	1,216.09	12%		*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)*		Waste Transfer Station

WASTE SUMMARY					Lic No:	W0045-01		Year	2016		
300000	**20 03 01**	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	Mixed Municipal Waste	2538.91	8,536.28	-70%	Waste directed to third party facilities	*N/A*	*D13- Blending or mixing prior to submission to any of the operations numbered D1 to D12*		Waste Transfer Station
300000	**20 03 07**	*20- MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS*	Bulky	13,700.75	7,787.17	76%	Increase in skip activity	*N/A*	*to any of the operations numbered R1 to R11 (if there is no other R code appropriate, this can include preliminary operations prior to*		Waste Transfer Station

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	Waste Transfer Station
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	Orkin Pest Control Services
7 Do you have an odour management system in place for your facility? If no why?	Yes	As per EPA guidelines
8 Do you maintain a sludge register on site?	N/A	

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
										SELECT UNIT	SELECT UNIT	SELECT UNIT
Cell 8												

WASTE SUMMARY Lic No: W0045-01 Year 2016

Table 4 Environmental monitorin Landfill Manual-Monitoring Standards

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

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

Table 5 Capping-Landfill only

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

*please note this includes daily cover area

Table 6 Leachate-Landfill only

9	Is leachate from your site treated in a Waste Water Treatment Plant?	SELECT
10	Is leachate released to surface water? If yes please complete leachate mass load information below	SELECT

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

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

Table 7 Landfill Gas-Landfill only

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

Environmental Protection Agency

Guidance to completing the PRTR workbook

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR	2016

1. FACILITY IDENTIFICATION

Parent Company Name	Key Waste Management Limited
Facility Name	Key Waste Management Limited
PRTR Identification Number	W0045
Licence Number	W0045-01

Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Greenview
Address 2	Greenhills Rd.
Address 3	Walkinstown
Address 4	Dublin 12
	Dublin
Country	Ireland
Coordinates of Location	-6.34124 53.3129
River Basin District	IEEA
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Brona Dunne
AER Returns Contact Email Address	brona.dunne@keywaste.ie
AER Returns Contact Position	Compliance Coordinator
AER Returns Contact Telephone Number	(01) 4080843
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	90
User Feedback/Comments	
Web Address	WWW.Keywaste.ie

2. PRTR CLASS ACTIVITIES

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

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# : W0045 | Facility Name : Key Waste Management Limited | Filename : W0045_2016.xls | Return Year : 2016 | 31/3/2017 12:30

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

RELEASES TO AIR					Please enter all quantities in this section in KGs					
POLLUTANT		METHOD						QUANTITY		
			Method Used							
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	Emission Point 2	Emission Point 3	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
210	**Dust**	M	ALT	Bergerhoff Method	0.054	0.045	0.049	0.148	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: Key Waste Management Limited

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

4.2 RELEASES TO WATERS

Link to previous years emissions data

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 facil

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT					QUANTITY			
			Method Used					
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					QUANTITY			
			Method Used					
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					QUANTITY			
			Method Used					
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

ity

4.3 RELEASES TO WASTEWATER OR SEWER

Link to previous years emissions data

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			
			Method Used					
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			
			Method Used					
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
303	BOD	M	ALT	5 Day BOD Test	431.39	431.39	0.0	0.0
306	**COD**	M	OTH	Blue Book Series	821.2	821.2	0.0	0.0
238	Ammonia (as N)	M	OTH	Blue Book Series	43.1	43.1	0.0	0.0
240	Suspended Solids	M	OTH	Blue Book Series	203.83	203.83	0.0	0.0
343	Sulphate	M	OTH	Blue Book Series	200.23	200.23	0.0	0.0
308	Detergents (as MBAS)	M	OTH	Blue Book Series	0.72	0.72	0.0	0.0
314	Fats, Oils and Greases	M	OTH	Blue Book Series	15.49	15.49	0.0	0.0
					0.0	0.0	0.0	0.0

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

4.4 RELEASES TO LAND

Link to previous years emissions data

SECTION A : PRTR POLLUTANTS

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

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

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

RELEASES TO LAND					Please enter all quantities in this section in KGs		
POLLUTANT		METHOD			QUANTITY		
			Method Used				
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

Please enter all quantities on this sheet in Tonnes

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	15 01 01	No	1161.71	paper and cardboard packaging	R12	M	Weighed	Offsite in Ireland	Thorntons Recycling ,WFP-DC-10-0021-01	Henry Road,Unit 51,Park West Business Park,Dublin 12,Ireland		
Within the Country	15 01 01	No	67.32	paper and cardboard packaging	R12	M	Weighed	Offsite in Ireland	Irish Packaging Recycling Ltd,W0263-01	Ballymount Road,Irish Packaging Recycling Ltd,Walkinstown,D12,Ireland		
Within the Country	15 01 01	No	11.04	paper and cardboard packaging	R12	M	Weighed	Offsite in Ireland	Bord na Móna,W0201-02	Management Facility,Main Street,Newbridge,Co. Kildare,Ireland		
Within the Country	15 01 01	No	1.9	paper and cardboard packaging	R12	M	Weighed	Offsite in Ireland	Pulp Recycling Ltd,WFP-DS-12-0001-03	Unit 3 Riverside,Whitestown Business Park,Tallaght,Co. Dublin,Ireland		
Within the Country	15 01 02	No	38.76	plastic packaging	R12	M	Weighed	Offsite in Ireland	Leinster Environmental,WP 2008/06	16,Francis Street,Dundalk,Co. Louth,Ireland		
Within the Country	15 01 03	No	181.86	wooden packaging	R12	M	Weighed	Offsite in Ireland	Thorntons Recycling ,WFP-DC-10-0021-01	Henry Road,Unit 51,Park West Business Park,Dublin 12,Ireland		
Within the Country	15 01 03	No	9.98	wooden packaging	R12	M	Weighed	Offsite in Ireland	Padraig Thornton Waste Disposal LTD. ,WFP-KE-10-0061-01	Thorntons Recycling Wood Chipping Facility,Oldmilltown,Kill,Co.Kildare,Ireland		
Within the Country	15 01 03	No	12.22	wooden packaging	R12	M	Weighed	Offsite in Ireland	Oxigen Environmental Ltd,W0152-03	Robinhood Road,Robinhood Industrial Estate,Ballymount,Dublin 22,Ireland		
Within the Country	15 01 03	No	135.2	wooden packaging	R12	M	Weighed	Offsite in Ireland	Starrus Eco Holdings Ltd,W0053-03	Bray Depot La Vallee House,Fassaroe,Bray,Co. Wicklow,Ireland		
Within the Country	16 02 14	No	9.6	discarded equipment other than those mentioned in 16 02 09 to 16 02 13	R12	M	Weighed	Offsite in Ireland	Electronic Recycling,WFP-DC-09-0015-02	Jamestown,Business Park,Finglas,Dublin,Ireland		
Within the Country	16 02 14	No	12.56	discarded equipment other than those mentioned in 16 02 09 to 16 02 13	R12	M	Weighed	Offsite in Ireland	Rehab Enterprises Ltd T/A Rehab Recycle Ballymount,WFP-DS-11-0008-03	Ballymount Avenue,Ballymount,Dublin,12,Ireland		
To Other Countries	17 02 01	No	245.78	wood	R12	M	Weighed	Abroad	Mckinstry Belfast ,LN/16/16	81-83 Belfast Road,Nutts Corner,Crumlin,Co. Antrim,United Kingdom		
Within the Country	**17 02 01**	**No**	868.74	wood	R12	M	Weighed	Offsite in Ireland	OCR Waste Management,WFP-RN-10-0001-01	Office 2,Roxborough,Roscommon, Co. Roscommon,Ireland		
Within the Country	17 04 02	No	0.42	aluminium	R12	M	Weighed	Offsite in Ireland	Multimetals Recycling Ltd,WFP-WW-09-0014-01	Murrough Industrial Estate,.,Bollarney,Wicklow,Ireland		

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	17 05 04	No	341.53	soil and stones other than those mentioned in 17 05 03	R12	M	Weighed	Offsite in Ireland	D.Fitzsimons and Daughters,WFP-MH-10-0004-01	Harristown,Navan,Meath,Co. Meath,Ireland		
Within the Country	19 12 02	No	252.56	ferrous metal	R12	M	Weighed	Offsite in Ireland	Multimetals Recycling Ltd,WFP-WW-09-0014-01	Murrough Industrial Estate,.,Bollarney,Wicklow,Ireland		
Within the Country	19 12 02	No	37.66	ferrous metal	R12	M	Weighed	Offsite in Ireland	Wilton Waste Recycling Limited,WFP-CN-10-0005-01	Crosserlough,.,Cavan,Co.Cavan,Ireland		
Within the Country	19 12 07	No	6.5	wood other than that mentioned in 19 12 06	R12	M	Weighed	Offsite in Ireland	Clonmel Waste Disposal,WFP-TS-11-0001-01	.,.,Lawlesstown,County Tipperary,Ireland		
Within the Country	19 12 12	No	7137.66	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R12	M	Weighed	Offsite in Ireland	Bord na Móna,W0201-02	Management Facility,Main Street,Newbridge,Co. Kildare,Ireland		
Within the Country	19 12 12	No	33.8	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R12	M	Weighed	Offsite in Ireland	Greyhound Recycling and Recovery,W0205-01	Crag Avenue,Clondalkin Industrial Estate,Dublin,Dublin 22,Ireland		
Within the Country	19 12 12	No	759.46	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R12	M	Weighed	Offsite in Ireland	Oxigen Environmental Ltd,W0152-03	Robinhood Road,Robinhood Industrial Estate,Ballymount,Dublin 22,Ireland		
Within the Country	19 12 12	No	5.06	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R12	M	Weighed	Offsite in Ireland	Veolia Environmental Services,W0039-02	Ballymount Cross,.,Tallaght,Dublin 24,Ireland		
Within the Country	19 12 12	No	22.64	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R12	M	Weighed	Offsite in Ireland	Thorntons Recycling ,WFP-DC-10-0021-01	Henry Road,Unit 51,Park West Business Park,Dublin 12,Ireland		
Within the Country	20 01 02	No	5.51	glass	R12	M	Weighed	Offsite in Ireland	Rehab Enterprises Ltd T/A Rehab Recycle Ballymount,WFP-DS-11-0008-03	Ballymount Avenue,Ballymount,Dublin,12,Ireland		
To Other Countries	20 01 08	No	5916.0	biodegradable kitchen and canteen waste	R12	M	Weighed	Abroad	Granville Ecopark Ltd,P0413/12A	Granville Industrial Estate,.,Dungannon,Co. Tyrone,United Kingdom		
Within the Country	20 01 08	No	36.0	biodegradable kitchen and canteen waste	R12	M	Weighed	Offsite in Ireland	Thorntons Recycling ,WFP-DC-10-0021-01	Henry Road,Unit 51,Park West Business Park,Dublin 12,Ireland		
Within the Country	20 01 21	Yes	0.14	fluorescent tubes and other mercury-containing waste	R4	M	Weighed	Offsite in Ireland	Irish Lamp Recycling Ltd,WFP-KE-14-0072-01	Woodstock Industrial Estate,.,Athy,Co. Kildare,Ireland	Irish Lamp Recycling,WFP-KE-14-0072-01,Woodstock Industrial Estate,.,Athy,Co. Kildare,Ireland	Woodstock Industriall Estate,.,Athy,Co. Kildare,Ireland
Within the Country	20 01 39	No	20.84	plastics	R12	M	Weighed	Offsite in Ireland	Leinster Environmental,WP 2008/06	16,Francis Street,Dundalk,Co. Louth,Ireland		
Within the Country	20 01 99	No	852.34	other fractions not otherwise specified	R12	M	Weighed	Offsite in Ireland	Killarney Waste Disposal Ltd T/A KWD ,W0217-01	Aghacureen,Killarney,Kerry, Co. Kerry,Ireland		

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	20 01 99	No	562.86	other fractions not otherwise specified	R12	M	Weighed	Offsite in Ireland	Thorntons Recycling ,WFP-DC-10-0021-01	Henry Road,Unit 51,Park West Business Park,Dublin 12,Ireland		
Within the Country	20 03 01	No	40.32	mixed municipal waste	D13	M	Weighed	Offsite in Ireland	Ballynagran Landfill,W0165-02	Coolbeg,.,Wicklow,Co. Wicklow,Ireland		
Within the Country	20 03 01	No	1159.88	mixed municipal waste	D13	M	Weighed	Offsite in Ireland	Knockharley Landfill Limited,W0146-02	Knockharley ,Navan,Meath,Co. Meath,Ireland		
Within the Country	20 03 01	No	19.2	mixed municipal waste	D13	M	Weighed	Offsite in Ireland	Veolia Environmental Services,W0039-02	Ballymount Cross,.,Tallaght,Dublin 24,Ireland		
Within the Country	20 03 01	No	35.24	mixed municipal waste	D13	M	Weighed	Offsite in Ireland	Thorntons Waste Disposal Ltd,W0044-02	Killeen Road,.,Ballyfermot,Dublin 10,Ireland		
Within the Country	20 03 07	No	169.86	bulky waste	R12	M	Weighed	Offsite in Ireland	Ballynagran Landfill,W0165-02	Coolbeg,.,Wicklow,Co. Wicklow,Ireland		
Within the Country	20 03 07	No	3250.47	bulky waste	R12	M	Weighed	Offsite in Ireland	Bord na Móna,W0201-02	Management Facility,Main Street,Newbridge,Co. Kildare,Ireland		
Within the Country	20 03 07	No	161.54	bulky waste	R12	M	Weighed	Offsite in Ireland	Knockharley Landfill Limited,W0146-02	Knockharley ,Navan,Meath,Co. Meath,Ireland		
Within the Country	20 03 07	No	9.08	bulky waste	R12	M	Weighed	Offsite in Ireland	Veolia Environmental Services,W0039-02	Ballymount Cross,.,Tallaght,Dublin 24,Ireland		
Within the Country	20 03 07	No	441.62	bulky waste	R12	M	Weighed	Offsite in Ireland	Thorntons Waste Disposal Ltd,W0044-02	Killeen Road,.,Ballyfermot,Dublin 10,Ireland		

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

Link to previous years waste data
Link to previous years waste summary data & percentage change
Link to Waste Guidance