Facility Information Summary	
AER Reporting Year	2015
Licence Register Number	W0066-03
Name of site	Rampere Landfill
Site Location	Baltinglass, Co.Wicklow
NACE Code	3821
Class/Classes of Activity	D2, D4, D5, R4 & R13
National Grid Reference (6E, 6 N)	-6.52819, 53.6439
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.	Ramapere ceased accepting waste as a landfill at the end of 2012. By the close of 2015, Rampere was finally fully engineered capped.Rampere continues to operate a Recycling Centre free of charge to the public.

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 (or nominated, suitably qualified and experienced deputy)	*Robt. Kelly*	Date	30/03/2016

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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	

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
Flare1	Total Organic Carbon (as C)	Annual	<10mg/Nm3	97 % of all annual 30-minute values < ELV	3.39	mg/Nm3	yes	OTH	5.76	-17%
Flare1	Nitrogen oxides (NOx/NO2)	Annual	<150mg/Nm3	97 % of all annual 30-minute values < ELV	88.16	ppm	yes	OTH	149.84	-12%
Flare1	TA Luft organic substances class 2	Annual	<50mg/Nm3	97 % of all annual 30-minute values < ELV	1.68	mg/Nm3	yes	EN 1911-1 to 3:2003	2.86	Hydrogen Chloride
Flare1	TA Luft organic substances class 2	Annual	<5mg/Nm3	97 % of all annual 30-minute values < ELV	1.32	mg/Nm3	yes	ISO/DIS 15713:2004	2.24	Hyrdogen Flouride
Flare1	volumetric flow	Annual	no ELV		110				n/a	-45%
Flare1	Sulphur oxides (SOx/SO2)	Annual	no ELV	SELECT	154.78	ppm	yes	OTH	263.06	-79%

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

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7 **Continuous Monitoring**

Does your site carry out continuous air emissions monitoring? compare it to its relevant Emission Limit Value (ELV)	Yes	
Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below	Yes	
Do you have a proactive service agreement for each piece of continuous monitoring equipment?	Yes	
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

AIR-summary template					Lic No:	W0066-03		Year	2015	
Flare 1	volumetric flow	no limit	Annual	SELECT	Nm3/hour	110	155	267	0	
Flare 2	Carbon monoxide (CO)	50mg/m^3	Annul	100 % of values < ELV	mg/Nm3	0.2	3.5	267	0	
	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

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* 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

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 — 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	Total VOC emissions as %of	(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 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)
							Total	

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Trichloroethylene
Trichloromethane
Vinyl chloride
Xylenes
Zinc and compounds (as Zn)

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: W0066-03 Year 2015

			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	Rampere has two water discharge points to surface water titled PD1 and PD2. During 2015, PD1 was reported by the Independat Consultants as been "Dry" for three quarters. PD2 had no flow recorded during the four quarterly monitoring rounds in 2014.
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	Yes	Surface watercourses checked weekly but no evidence of contamination was recorded during 2015.

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)

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	PD2 was reported as been dry at during all sampling occasions throughout the year.

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 any revision thereof[Note 2]	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load (kg)	Comments
PD1	Water	Suspended Solids	discrete	Quarterly	30 minutes	30 mg/l	All values < ELV	6	mg/L	yes	Gravimetric analysis	Other (please	SMEWW2540D	0.4	

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:	W0066-03	Year	2015

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: W0066-03 Year 2015

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	
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)	No	
4	How many bunds are on site?	2	
5	How many of these bunds have been tested within the required test schedule?	1	
6	How many mobile bunds are on site?	1	
7	Are the mobile bunds included in the bund test schedule?	No	
8	How many of these mobile bunds have been tested within the required test schedule?	0	
9	How many sumps on site are included in the integrity test schedule?	0	
10	How many of these sumps are integrity tested within the test schedule?	0	
	Please list any sump integrity failures in table B1		
11	Do all sumps and chambers have high level liquid alarms?	No	
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?	No	

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

Bund/Containment structure ID	Type	Specify Other type	Product containment	Actual capacity	Capacity required*	Type of integrity test	Other test type	Test date	Integrity reports maintained on site?	Results of test	Integrity test failure explanation <50 words	Corrective action taken	Scheduled date for retest	Results of retest(if in current reporting year)
Oil Tank Bund	reinforced concrete		Waste Engine Oil	4000	1500	Hydraulic test		03/12/2012	Yes	Pass		SELECT	03/12/2015	
	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?	No	
17	Are channels/transfer systems compliant in both integrity and available volume?	SELECT	

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**	No	
2	Please provide integrity testing frequency period	SELECT	
	*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)
	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT				SELECT

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

Groundwater/Soil monitoring template	Lic No:	W0066-03	Year	2015

			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 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	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	no		
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 assesment been carried out for the site?	yes		
10	Has a Conceptual Site Model been developed for the site?	no		
11	Have potential receptors been identified on and off site?	yes		
12	Is there evidence that contamination is migrating offsite?	no		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
Yearly Average	BD4	Ammonical Nitrogen	Spectrophotometry (colorimetry)	Quarterly	<0.08	<0.08	mg/l	0.15	<1	no
Yearly Average	BD4	Chloride	Ion Chromatography	Quarterly	15	14	mg/l	30	250	no
Yearly Average	BD4	Conductivity	Conductivity meter	Quarterly	523	434	microsiemens	1000	1000	no
Yearly Average	BD4	Dissolved O2	DO Meter	Quarterly	10	7.3	mg/l	No abnormal change	No abnormal change	no
Yearly Average	BD4	pH	pH meter	Quarterly	7.1	7	pH units	6.5 - 9.5	6 - 9	no
Yearly Average	BD4	TOC	Ion Chromatography	Quarterly	1.5	1.2	mg/l			no

Groundwater/Soil monitoring template					Lic No:	W0066-03		Year	2015			
Yearly Average	BD1	Ammonical Nitrogen	Spectrophotometry (colorimetry)	Quarterly	<0.08	<0.08	mg/l	0.15	<1	yes		
Yearly Average	BD1	Chloride	Ion Chromatography	Quarterly	14	12.5	mg/l	30	250	yes		
Yearly Average	BD1	Conductivity	Conductivity meter	Quarterly	632	612	microsiemens	1000	1000	yes		
Yearly Average	BD1	Dissolved O2	DO Meter	Quarterly	6.9	6	mg/l	No abnormal change	No abnormal change	no		
Yearly Average	BD1	pH	pH meter	Quarterly	7.7	7.3	pH units	6.5 - 9.5	6 - 9	no	Drinking water (public supply) standards	Interim Guideline Values (IGV)

Groundwater/Soil monitoring template					Lic No:	W0066-03		Year	2015	
Yearly Average	BD1	TOC	Ion Chromatography	Quarterly	4.5	3.6	mg/l			no
Yearly Average	GW7	Ammonical Nitrogen	Spectrophotometry (colorimetry)	Quarterly	<0.08	<0.08	mg/l	0.15	<1	no
Yearly Average	GW7	Chloride	Ion Chromatography	Quarterly	17	16.5	mg/l	30	250	yes
Yearly Average	GW7	Conductivity	Conductivity meter	Quarterly	585	572	microsiemens	1000	1000	no
Yearly Average	GW7	Dissolved O2	DO Meter	Quarterly	7.6	6.5	mg/l	No abnorma	No abnormal ch	no
Yearly Average	GW7	pH	pH meter	Quarterly	7.4	7.2	pH units	6.5 - 9.5	6 - 9	no
Yearly Average	GW7	TOC	Ion Chromatography	Quarterly	1.8	1.6	mg/l			no
							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
Yearly Average	GW6	Ammonical Nitrogen	Spectrophotometry (colorimetry)	Quarterly	17	16.8	mg/l	0.15	<1	no
Yearly Average	GW6	Chloride	Ion Chromatogra	Quarterly	17	16.8	mg/l	30	250	no
Yearly Average	GW6	Conductivity	Conductivity meter	Quarterly	719	640	microsiemens	1000	1000	yes
Yearly Average	GW6	Dissolved O2	DO Meter	Quarterly	7.6	6.3	mg/l	No abnormal change	No abnormal change	no
Yearly Average	GW6	pH	pH meter	Quarterly	7.5	7.2	pH units	6.5 - 9.5	6 - 9	no
Yearly Average	GW6	TOC	Ion Chromatogra	Quarterly	2.9	2.2	mg/l			no
Yearly Average	GW5	Ammonical Nitrogen	Spectrophotometry (colorimetry)	Quarterly	0.09	0.08	mg/l	0.15	<1	no

Groundwater/Soil monitoring template					Lic No:	W0066-03		Year	2015	
Yearly Average	GW5	Chloride	Ion Chromatography	Quarterly	17	16.8	mg/l	30	250	no
Yearly Average	GW5	Conductivity	Conductivity meter	Quarterly	644	589	microsiemens	1000	1000	yes
Yearly Average	GW5	Dissolved O2	DO Meter	Quarterly	7.4	6.3	mg/l	No abnormal change	No abnormal change	no
Yearly Average	GW5	pH	pH meter	Quarterly	7.4	7.2	pH units	6.5 - 9.5	6 - 9	no
Yearly Average	GW5	TOC	Ion Chromatography	Quarterly	1.8	1.6	mg/l			no
Yearly Average	GW4	Ammonical Nitrogen	Spectrophotometry (colorimetry)	Quarterly	**0.18**	**0.12**	mg/l	0.15	<1	yes
Yearly Average	GW4	Chloride	Ion Chromatography	Quarterly	17	14.6	mg/l	30	250	no
Yearly Average	GW4	Conductivity	Conductivity meter	Quarterly	617	533	microsiemens	1000	1000	no
Yearly Average	GW4	Dissolved O2	DO Meter	Quarterly	7.8	6.1	mg/l	No abnormal change	No abnormal change	no
Yearly Average	GW4	pH	pH meter	Quarterly	7.9	7.4	pH units	6.5 - 9.5	6 - 9	no
Yearly Average	GW4	TOC	Ion Chromatography	Quarterly	6.5	4.4	mg/l			yes
Yearly Average	AQ1	Ammonical Nitrogen	Spectrophotometry (colorimetry)	Quarterly	0.08	0.08	mg/l	0.15	<1	no
Yearly Average	AQ1	Chloride	Ion Chromatography	Quarterly	14	13	mg/l	30	250	no
Yearly Average	AQ1	Conductivity	Conductivity meter	Quarterly	296	290	microsiemens	1000	1000	no
Yearly Average	AQ1	Dissolved O2	DO Meter	Quarterly	9.5	7	mg/l	No abnormal change	No abnormal change	no
Yearly Average	AQ1	pH	pH meter	Quarterly	6.6	6.5	pH units	6.5 - 9.5	6 - 9	no
Yearly Average	AQ1	TOC	Ion Chromatography	Quarterly	0.92	0.75	mg/l			no
Yearly Average	GW1	Ammonical Nitrogen	Spectrophotometry (colorimetry)	Quarterly	0.11	0.09	mg/l	0.15	<1	no
Yearly Average	GW1	Chloride	Ion Chromatography	Quarterly	27	23	mg/l	30	250	yes

Groundwater/Soil monitoring template					Lic No:	W0066-03		Year	2015	
Yearly Average	GW1	Conductivity	Conductivity meter	Quarterly	424	408	microsiemens	1000	1000	yes
Yearly Average	GW1	Dissolved O2	DO Meter	Quarterly	7.5	5.8	mg/l	No abnormal change	No abnormal change	yes
Yearly Average	GW1	pH	pH meter	Quarterly	6.8	6.5	pH units	6.5 - 9.5	6 - 9	yes
Yearly Average	GW1	TOC	Ion Chromatography	Quarterly	1.4	1.2	mg/l			yes
Yearly Average	GW2	Ammonical Nitrogen	Spectrophotometry (colorimetry)	Quarterly	**0.91**	**0.85**	mg/l	0.15	<1	no
Yearly Average	GW2	Chloride	Ion Chromatography	Quarterly	**43**	**32**	mg/l	30	250	yes
Yearly Average	GW2	Conductivity	Conductivity meter	Quarterly	903	842	microsiemens	1000	1000	yes
Yearly Average	GW2	Dissolved O2	DO Meter	Quarterly	5.5	3.9	mg/l	No abnormal change	No abnormal change	yes
Yearly Average	GW2	pH	pH meter	Quarterly	6.8	6.5	pH units	6.5 - 9.5	6 - 9	no
Yearly Average	GW2	TOC	Ion Chromatography	Quarterly	14	11.6	mg/l			yes
Yearly Average	GW3	Ammonical Nitrogen	Spectrophotometry (colorimetry)	Quarterly	**0.35**	**0.28**	mg/l	0.15	<1	yes
Yearly Average	GW3	Chloride	Ion Chromatography	Quarterly	20	17	mg/l	30	250	yes
Yearly Average	GW3	Conductivity	Conductivity meter	Quarterly	**1061**	809	microsiemens	1000	1000	no
Yearly Average	GW3	Dissolved O2	DO Meter	Quarterly	5.6	1.4	mg/l	No abnormal change	No abnormal change	no
Yearly Average	GW3	pH	pH meter	Quarterly	7.3	7	pH units	6.5 - 9.5	6 - 9	no
Yearly Average	GW3	TOC	Ion Chromatography	Quarterly	47	36	mg/l			yes
							SELECT			SELECT
							SELECT			SELECT

upward trend in results for a substance indicates that further interpretation of monitoring results is required. In addition to completing the above table, Groundwater monitoring template

assessment criteria (GAC) and risk assessment tools is available in the EPA published 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

Table 3: Soil results

Groundwater/Soil monitoring template Lic No: W0066-03 Year 2015

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:	W0066-03	Year	2015

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

			Commentary
1	ELRA initial agreement status	Reviewed 2015	
2	ELRA review status	This is the highest cost scenario, the most likely scenarion is €121,000.	
3	Amount of Financial Provision cover required as determined by the latest ELRA		
4	Financial Provision for ELRA status		
5	Financial Provision for ELRA - amount of cover	Not yet decided	
6	Financial Provision for ELRA - type		
7	Financial provision for ELRA expiry date		
8	Closure plan initial agreement status	Closure Pland submitted in March 2013	
9	Closure plan review status		
10	Financial Provision for Closure status		
11	Financial Provision for Closure - amount of cover	Wicklow County Council is currently	
12	Financial Provision for Closure - type		
13	Financial provision for Closure expiry date	Enter expiry date	

Environmental Management Programme/Continuous Improvement Programme template	Lic No:	W0066-03	Year	2015

	Highlighted cells contain dropdown menu click to view		Additional Information
1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	No	
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	No	
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					
Maintain tagging of all on-site monitoring poir	70	Ongoing monitoring to ensure all sampling tags are in place on site	Individual	Increased compliance with licence conditions	SELECT		SELECT		SELECT	SELECT
Improve Traffic Management at CA area and f	95	Road markings installed additional signage in situ-ongoing monitoring to ensure optimum performance	Individual	Installation of infrastructure	SELECT		SELECT		SELECT	SELECT
Cap open areas of landfill	100%	Capping of the final section of the landfill (cell 3A) to be completed during 2015.	Individual	Increased compliance with licence conditions	SELECT		SELECT		SELECT	SELECT
Increase number of gas wells connected to fla	80%	Final connection of new gas wells to be completed during 2016 in cell 3A. Approx. 11 wells required.	Individual	Reduced emissions						
Install new surface water drainage at base of r	100%	Once capping is complete, new SW drains will be installed to capture run-off from cap.	Individual	Increased compliance with licence conditions						
Remove risk of leachate spillage during tanker	20	Install new concrete area adjacent ot leachate chamber to capture any spillages	Individual	Installation of infrastructure						
Reduce the risk of slope slippage at Area 2.	Planting Complete 100%; maintenance ongoing.	Plant 2,500 willow trees on side slope to increase stability and maintain trees	Individual	Improved Environmental Management Practices						
Increase the number of materials accepted at	40	Encourage the public to make greater use of the CA.	Individual	Installation of infrastructure						

Noise monitoring summary report	Lic No:	W0066-03	Year	2015

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

Table N1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (if applicable)	LA_{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)?
27/05/2015	30	NSL1		49.6	39.3	45.9	81.1	No	SELECT	Traffic noise(9), Birds (10)	Yes
27/05/2015	30	NSL4		62.6	47.2	66.2	82.3	No		Cars(59), Bus(2),Van doors (3)	Yes

*Please ensure that a tonal analysis has been carried out as per guidance note NG4. These records must be maintained onsite for future inspection

If noise limits exceeded as a result of noise attributed to site activities, please choose the corrective action from the following options? SELECT

** 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: W0066-03 Year 2015

			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	Not Complete
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) No	
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	No Licence Condition

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)	1561	1505		
Total Energy Generated (MWHrs)	0	0		
Total Renewable Energy Generated (N	0	0		
Electricity Consumption (MWHrs)	1561	1505		
Fossil Fuels Consumption:	0	0		
Heavy Fuel Oil (m3)	0	0		
Light Fuel Oil (m3)	37065	20500		
Natural gas (m3)	0	0		
Coal/Solid fuel (metric tonnes)	0	0		
Peat (metric tonnes)	0	0		
Renewable Biomass	0	0		
Renewable energy generated on site	0	0		

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

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

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	0	0			0		
Surface water	0	0			0		
Public supply	120	72			72		
Recycled water	0	0			0		
Total	0	0			0		

* 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)	1.8	1.1	0	0.7	

Resource Usage/Energy efficiency summary Lic No: W0066-03 Year 2015

Table R4: Energy Audit finding recommendations

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

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

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

Complaints and Incidents summary template

Lic No: W0066-03 Year 2015

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	SELECT	Additional information

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
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		
	SELECT				SELECT		

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

Incidents

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

*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	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:	W0066-03	Year	2015
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 -

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	SELECT	
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	SELECT	
6	Does your facility have relevant nuisance controls in place?	SELECT	
7	Do you have an odour management system in place for your facility? If no why?	SELECT	
8	Do you maintain a sludge register on site?	SELECT	

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
Non-Haz MSW	50,000	0	0	Landfill Closed.

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
area 1	1980	1996	No	Public	Non Hazardous	ceased	No	No	No	1 hectacre	0	1 hectacre
area 2	1997	2002	No	Public	Non Hazardous	ceased	No	No	No	1.5 hectacre	0	1.5 hectacre

WASTE SUMMARY					Lic No:	W0066-03		Year	2015			
area 3	2003	2005	No	Public	Non Hazardous	ceased	No	No	No	1.5 hectacre	1.5 hectacre	0
area 4	2006	2012	No	Public	Non Hazardous	ceased	No	No	no	4 hectacre	4 hectacre	0
Cell 8												

Table 4 Environmental monitoring-landfill only Landfill Manual-Monitoring Standards

monitoring in compliance with Landfill Directive (LD)	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)	of the site surveyed in reporting year	under S53(A)(5) of WMA been submitted in	Comments
Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	

.+ 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	should be permanently capped to date under	What materials are used in the cap	Comments
9	m2	m2					
10	0	0	16	5000	16	Geo-Composite, Gas layer, 1mm HDPE	

*please note this includes daily cover area

Table 6 Leachate-Landfill only

Is leachate from your site treated in a Waste Water Treatment Plant?	Yes
Is leachate released to surface water? If yes please complete leachate mass load information below	No

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
3250	91	2142	855	2629	0	Off Site Biological Treatment	

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
934,230	0	n/a	Yes	

R12 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, conditionin

R13 R13-Storage of waste pending any of the operations numbered R1 to R12 (excluding temporary storage)

SELECT

Comments on liner type
clay cap only
HDPE Cap in place

Full HDPE
Liner and
Cap in place

Full HDPE
Liner and
Cap in place

g, repackaging, seperating, blending or mixing prior to submission to any of the operations numbered R1 to R11)