

Facility Information Summary

AER Reporting Year	2016
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. In 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	<i>Robt. Kelly</i>	Date	30/03/2017
Group/Facility manager			
(or nominated, suitably qualified and experienced deputy)			

AIR-summary template	Lic No: W0066-03	Year: 2016
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Answer all questions and complete all tables where relevant

- 1 Does your site have licensed air emissions? If yes please complete table A1 and A2 below for the current reporting year and answer further questions. If **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

Additional information	
Yes	The site operates one landfill gas flare.

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
- 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](#)

No	
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 thereof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments - reason for change in % mass load from previous year if applicable
Flare1	Total Organic Carbon (as C)	Annual	<10mg/Nm3	97 % of all annual 30-minute values < ELV	3.05	mg/Nm3	yes	OTH	5.18	-10%
Flare1	Nitrogen oxides (NOx/NO2)	Annual	<150mg/Nm3	97 % of all annual 30-minute values < ELV	43.74	ppm	yes	OTH	74.34	-41%
Flare1	TA Luft organic substances class 2	Annual	<50mg/Nm3	97 % of all annual 30-minute values < ELV	0.44	mg/Nm3	yes	EN 1911-1 to 3:2003	0.75	Hydrogen Chloride
Flare1	TA Luft organic substances class 2	Annual	<5mg/Nm3	97 % of all annual 30-minute values < ELV	1.5	mg/Nm3	yes	ISO/DIS 15713:2004	2.55	Hyrdogen Flouride
Flare1	volumetric flow	Annual	no ELV		93				n/a	-45%
Flare1	Sulphur oxides (SOx/SO2)	Annual	no ELV	SELECT	47.17	ppm	yes	OTH	80.17	-70%

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

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Continuous Monitoring				

4	Does your site carry out continuous air emissions monitoring? If yes please review your continuous monitoring data and report the required fields below in Table A2 and compare it to its relevant Emission Limit Value (ELV)	Yes	
5	Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below	Yes	
6	Do you have a proactive service agreement for each piece of continuous monitoring equipment?	Yes	Service Contract with AFS, Birmingham, England.
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
Flare 1	volumetric flow	no limit	Annual	SELECT	Nm3/hour	93	131	389	0	
Flare 2	Carbon monoxide (CO)	50mg/m ³	Annual	100 % of values < ELV	mg/Nm3	0.2	3.5	389	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

* 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

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER) Lic No: W0066-03 Year 2016

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
- 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	Rampere has two water discharge points to surface water titled PD1 and PD2. During 2016, PD1 was reported by the Independent Consultants as been "Dry" for three quarters. PD2 had no flow recorded during the four quarterly monitoring rounds in 2016.
Yes	Surface watercourses checked weekly but no evidence of contamination was recorded during 2016.

Table W1 Storm water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licensed Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
	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
- 4 Was all monitoring carried out in accordance with EPA guidance and checklists for Quality of Aqueous Monitoring Data Reported to the EPA? If no please detail what areas require improvement in additional information box

No	
Yes	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/ Substance ^{Note 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	2	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

Continuous monitoring

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

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

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

SELECT	
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7 Do you have a proactive service contract for each piece of continuous monitoring equipment on site?

SELECT	
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8 Did abatement system bypass occur during the reporting year? If yes please complete table W5 below

SELECT	
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Table W4: Summary of average emissions -continuous monitoring

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

dropdown menu click to see options

Additional information

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)

- 1 Please provide integrity testing frequency period
- 2 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)
- 3 How many bunds are on site?
- 4 How many of these bunds have been tested within the required test schedule?
- 5 How many mobile bunds are on site?
- 6 Are the mobile bunds included in the bund test schedule?
- 7 How many of these mobile bunds have been tested within the required test schedule?
- 8 How many sumps on site are included in the integrity test schedule?
- 9 How many of these sumps are integrity tested within the test schedule?

Yes	
3 years	
No	
2	
1	
1	
No	
0	
0	
0	
No	
N/A	
No	

Please list any sump integrity failures in table B1

- 11 Do all sumps and chambers have high level liquid alarms?
- 12 If yes to Q11 are these failsafe systems included in a maintenance and testing programme?
- 13 Is the Fire Water Retention Pond included in your integrity test programme?

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		14/04/2016	Yes	Pass		SELECT	14/04/2019	Pass
	SELECT					SELECT			SELECT	SELECT		SELECT		

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

Has integrity testing been carried out in accordance with licence requirements and are all structures tested in line with BS8007/EPA Guidance?

- 15 Are channels/transfer systems to remote containment systems tested?
- 16 Are channels/transfer systems compliant in both integrity and available volume?

Commentary	
Yes	
No	
No	

Pipeline/underground structure testing

Are you required by your licence to undertake integrity testing* on underground structures e.g. pipelines or sumps etc? if yes please fill out table 2 below listing all underground structures and pipelines on site **which failed the integrity test and all which have not been tested within the integrity test period as specified**

- 1 Please provide integrity testing frequency period

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

No	
SELECT	

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	2016			
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	13	12.2	mg/l	30	250	yes
Yearly Average	BD1	Conductivity	Conductivity meter	Quarterly	614	601	microsiemens	1000	1000	yes
Yearly Average	BD1	Dissolved O2	DO Meter	Quarterly	8.8	7.5	mg/l	No abnormal change	No abnormal change	no
Yearly Average	BD1	pH	pH meter	Quarterly	7.5	7.3	pH units	6.5 - 9.5	6 - 9	no
Yearly Average	BD1	TOC	Ion Chromatography	Quarterly	4.3	3.5	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	16	15	mg/l	30	250	yes
Yearly Average	GW7	Conductivity	Conductivity meter	Quarterly	564	524	microsiemens	1000	1000	no
Yearly Average	GW7	Dissolved O2	DO Meter	Quarterly	7.8	6.9	mg/l	No abnormal	No abnormal ch	no
Yearly Average	GW7	pH	pH meter	Quarterly	7.4	7.3	pH units	6.5 - 9.5	6 - 9	no
Yearly Average	GW7	TOC	Ion Chromatography	Quarterly	1.1	0.9	mg/l			no
							SELECT			SELECT
							SELECT			SELECT

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	<0.08	<0.08	mg/l	0.15	<1	no
Yearly Average	GW6	Chloride	Ion Chromatography	Quarterly	16	14	mg/l	30	250	no
Yearly Average	GW6	Conductivity	Conductivity meter	Quarterly	705	635	microsiemens	1000	1000	yes

Groundwater/Soil monitoring template				Lic No:	W0066-03	Year	2016			
Yearly Average	GW6	Dissolved O2	DO Meter	Quarterly	7.5	6.6	mg/l	No abnormal change	No abnormal change	no
Yearly Average	GW6	pH	pH meter	Quarterly	7.2	7.2	pH units	6.5 - 9.5	6 - 9	no
Yearly Average	GW6	TOC	Ion Chromatogr	Quarterly	2.6	2.1	mg/l			no
Yearly Average	GW5	Ammonical Nitrogen	Spectrophotometry (colorimetry)	Quarterly	<0.08	<0.08	mg/l	0.15	<1	no
Yearly Average	GW5	Chloride	Ion Chromatography	Quarterly	14	10	mg/l	30	250	no
Yearly Average	GW5	Conductivity	Conductivity meter	Quarterly	632	590	microsiemens	1000	1000	yes
Yearly Average	GW5	Dissolved O2	DO Meter	Quarterly	7.8	6.5	mg/l	No abnormal change	No abnormal change	no
Yearly Average	GW5	pH	pH meter	Quarterly	7.1	6.9	pH units	6.5 - 9.5	6 - 9	no
Yearly Average	GW5	TOC	Ion Chromatography	Quarterly	1.5	1	mg/l			no
Yearly Average	GW4	Ammonical Nitrogen	Spectrophotometry (colorimetry)	Quarterly	0.16	0.11	mg/l	0.15	<1	yes
Yearly Average	GW4	Chloride	Ion Chromatography	Quarterly	15	13	mg/l	30	250	no
Yearly Average	GW4	Conductivity	Conductivity meter	Quarterly	601	525	microsiemens	1000	1000	no
Yearly Average	GW4	Dissolved O2	DO Meter	Quarterly	7.5	6.6	mg/l	No abnormal change	No abnormal change	no
Yearly Average	GW4	pH	pH meter	Quarterly	7.5	7.2	pH units	6.5 - 9.5	6 - 9	no
Yearly Average	GW4	TOC	Ion Chromatography	Quarterly	6.6	5.3	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	12	11	mg/l	30	250	no
Yearly Average	AQ1	Conductivity	Conductivity meter	Quarterly	288	278	microsiemens	1000	1000	no
Yearly Average	AQ1	Dissolved O2	DO Meter	Quarterly	9.1	8.2	mg/l	No abnormal change	No abnormal change	no

Groundwater/Soil monitoring template				Lic No:	W0066-03	Year	2016			
Yearly Average	AQ1	pH	pH meter	Quarterly	6.7	6.5	pH units	6.5 - 9.5	6 - 9	no
Yearly Average	AQ1	TOC	Ion Chromatography	Quarterly	0.9	0.88	mg/l			no
Yearly Average	GW1	Ammonical Nitrogen	Spectrophotometry (colorimetry)	Quarterly	0.12	<0.08	mg/l	0.15	<1	no
Yearly Average	GW1	Chloride	Ion Chromatography	Quarterly	26	22	mg/l	30	250	yes
Yearly Average	GW1	Conductivity	Conductivity meter	Quarterly	422	398	microsiemens	1000	1000	yes
Yearly Average	GW1	Dissolved O2	DO Meter	Quarterly	7.2	6.6	mg/l	No abnormal change	No abnormal change	yes
Yearly Average	GW1	pH	pH meter	Quarterly	6.9	6.2	pH units	6.5 - 9.5	6 - 9	yes
Yearly Average	GW1	TOC	Ion Chromatography	Quarterly	1.4	1.3	mg/l			yes
Yearly Average	GW2	Ammonical Nitrogen	Spectrophotometry (colorimetry)	Quarterly	1.1	0.9	mg/l	0.15	<1	no
Yearly Average	GW2	Chloride	Ion Chromatography	Quarterly	34	29	mg/l	30	250	yes
Yearly Average	GW2	Conductivity	Conductivity meter	Quarterly	870	801	microsiemens	1000	1000	yes
Yearly Average	GW2	Dissolved O2	DO Meter	Quarterly	5.4	4.1	mg/l	No abnormal change	No abnormal change	yes
Yearly Average	GW2	pH	pH meter	Quarterly	6.7	6.6	pH units	6.5 - 9.5	6 - 9	no
Yearly Average	GW2	TOC	Ion Chromatography	Quarterly	13	12	mg/l			yes
Yearly Average	GW3	Ammonical Nitrogen	Spectrophotometry (colorimetry)	Quarterly	0.52	0.34	mg/l	0.15	<1	yes
Yearly Average	GW3	Chloride	Ion Chromatography	Quarterly	18	16	mg/l	30	250	yes
Yearly Average	GW3	Conductivity	Conductivity meter	Quarterly	1038	908	microsiemens	1000	1000	no
Yearly Average	GW3	Dissolved O2	DO Meter	Quarterly	5.5	3.2	mg/l	No abnormal change	No abnormal change	no
Yearly Average	GW3	pH	pH meter	Quarterly	7.2	6.9	pH units	6.5 - 9.5	6 - 9	no

Groundwater/Soil monitoring template				Lic No:	W0066-03	Year	2016			
Yearly Average	GW3	TOC	Ion Chromatography	Quarterly	42	39	mg/l	yes		
<p>*please note exceedance of generic assessment criteria (GAC) such as a Groundwater Threshold Value (GTV) or an Interim Guideline Value (IGV) or an upward trend in results for a substance indicates that further interpretation of monitoring results is required. In addition to completing the above table, please complete the Groundwater Monitoring Guideline Template Report at the link provided and submit separately through ALDER as a licensee return or as otherwise instructed by the EPA. Groundwater monitoring template</p>										
<p>More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites (EPA 2013). (see the link in G31)</p>										
<p>**Depending on location of the site and proximity to other sensitive receptors alternative Receptor based Water Quality standards should be used in addition to the GTV e.g. if the site is close to surface water compare to Surface Water Environmental Quality Standards (SWEQS), If the site is close to a drinking water supply compare results to the Drinking Water Standards (DWS)</p>						Surface water EQS	Groundwater regulations	Drinking water (private supply) standards	Drinking water (public supply) standards	Interim Guideline Values (IGV)

Table 3: Soil results

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

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

Environmental Liabilities template

Lic No:

W0066-03

Year

2016

[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 2016

Highlighted cells contain dropdown menu click to view		Additional Information	
1	Do you maintain an Environmental Management System (EMS) for the site. If yes, please detail in additional information	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 points	70	Ongoing monitoring to ensure all sampling tags are in place on site	Individual	Increased compliance with licence conditions	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT	SELECT
Improve Traffic Management at CA area and facade	95	Road markings installed additional signage in situ-ongoing monitoring to ensure optimum performance	Individual	Installation of infrastructure	SELECT	SELECT	SELECT	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	SELECT	SELECT	SELECT
Increase number of gas wells connected to flare	100%	Final connection of new gas wells to be completed during 2016 in cell 3A. Approx. 11 wells required.	Individual	Reduced emissions		SELECT	SELECT	SELECT	SELECT	SELECT	SELECT
Install new surface water drainage at base of new CA	100%	Once capping is complete, new SW drains will be installed to capture runoff from cap.	Individual	Increased compliance with licence conditions		SELECT	SELECT	SELECT	SELECT	SELECT	SELECT
Remove risk of leachate spillage during tanker loading	20	Install new concrete area adjacent to leachate chamber to capture any spillages	Individual	Installation of infrastructure		SELECT	SELECT	SELECT	SELECT	SELECT	SELECT
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		SELECT	SELECT	SELECT	SELECT	SELECT	SELECT
Increase the number of materials accepted at the CA	40	Encourage the public to make greater use of the CA.	Individual	Installation of infrastructure		SELECT	SELECT	SELECT	SELECT	SELECT	SELECT
SELECT		SELECT		SELECT	SELECT						

Environmental Management Programme/Continuous Improvement Programme template				Lic No:	W0066-03	Year	2016
SELECT		SELECT		SELECT	SELECT		
SELECT		SELECT		SELECT	SELECT		
SELECT		SELECT		SELECT	SELECT		

Noise monitoring summary report	Lic No: W0066-03	Year	2016
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- 1 Was noise monitoring a licence requirement for the AER period?
If yes please fill in table N1 noise summary below 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 <u>site</u> compliant with noise limits (day/evening/night)?
Annual Average	30		NSL1	57.4	45.4	56.7		No	SELECT	25 cars	Yes
Annual Average	30		NSL2	45	40.6	47.3		No		14 Gusts of wind	Yes
Annual Average	30		NSL3	49	41.5	52.2		No		16 cars	Yes
Annual Average	30		NSL4	47.7	40.2	50.4		No		18 passing cars, local conversation	Yes
Annual Average	30		NSL5	56.4	39.4	56.5		No		17 passing cars	Yes
Annual Average	30		NSL6	48.3	42.4	50.6		No		34 Sheep bleating, 13 dog barks	Yes

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

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

nothing**

Noise not caused by on site activities.
Any additional comments? (less than 200 words)

Resource Usage/Energy efficiency summary

Lic No:

W0066-03

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
- Is the site a member of any accredited programmes for reducing energy usage/water conservation such as the SEAI programme linked to the right? If yes please list them in additional information
- 2 Where Fuel Oil is used in boilers on site is the sulphur content compliant with licence conditions? Please state percentage in additional information
- 3

Enter date of audit	Not Complete
No	
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)	1505	1724		
Total Energy Generated (MWHrs)	0	0		
Total Renewable Energy Generated (MWHrs)	0	0		
Electricity Consumption (MWHrs)	1505	1724		
Fossil Fuels Consumption:	0	0		
Heavy Fuel Oil (m3)	0	0		
Light Fuel Oil (m3)	20500	3200		
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 ³ /yr):	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	72	13			13		
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)					

Resource Usage/Energy efficiency summary	Lic No: W0066-03	Year	2016
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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					

WASTE SUMMARY	Lic No:	W0066-03	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

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)

Additional Information	
No	

If yes please enter details in table 1 below

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

No	
----	--

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

No	
----	--

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

Licensed annual tonnage limit for your site (total tonnes/annum)	EWC code	Source of waste accepted	Description of waste accepted Please enter an accurate and detailed description - which applies to relevant EWC code 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 -
Non-Haz MSW	50,000	0	0	landfill Closed							

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	Comments on liner type
										SELECT UNIT	SELECT UNIT	SELECT UNIT	
area 1	1980	1996	No	Public	Non Hazardous	ceased	No	No	No	1 hectare	0	1 hectare	clay cap only

WASTE SUMMARY		Lic No: W0066-03			Year: 2016		
----------------------	--	------------------	--	--	------------	--	--

area 2	1997	2002	No	Public	Non Hazardous	ceased	No	No	No	1.5 hectacre	0 1.5 hectacre	HDPE Cap in place
area 3	2003	2005	No	Public	Non Hazardous	ceased	No	No	No	1.5 hectacre	1.5 hectacre	Full HDPE Liner and Cap in place
area 4	2006	2012	No	Public	Non Hazardous	ceased	No	No	no	4 hectacre	4 hectacre	Full HDPE Liner and Cap in place

WASTE SUMMARY	Lic No: W0066-03	Year: 2016
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Table 4 Environmental monitoring-landfill only [Landfill Manual-Monitoring Standards](#)

Was meteorological monitoring in compliance with Landfill Directive (LD) standard in reporting year +	Was leachate monitored in compliance with LD standard in reporting year	Was Landfill Gas monitored in compliance with LD standard in reporting year	Was SW monitored in compliance with LD standard in reporting year	Have GW trigger levels been established	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
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	Area with waste that should be permanently capped to date under licence	What materials are used in the cap	Comments
SELECT UNIT	SELECT UNIT					
0	0	16	5000	16	Geo-Composite, Gas layer, 1mm HDPE	

*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
1420	184.6	4217	2073	1111	No	WWT	Ringsend WWTP

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
786827	0	0	Yes	Gas captured taken from Landfill Gas Survey Hours * Flowrate

[Guidance to completing the PRTR workbook](#)

PRTR Returns Workbook

Version 1.1.19

REFERENCE YEAR	2016
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1. FACILITY IDENTIFICATION

Parent Company Name	Wicklow County Council
Facility Name	Rampere Landfill
PRTR Identification Number	W0066
Licence Number	W0066-03

Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Rampere
Address 2	
Address 3	
Address 4	
	Wicklow
Country	Ireland
Coordinates of Location	-6.52819 53.6439
River Basin District	IESE
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste

AER Returns Contact Name	Robert Kelly
AER Returns Contact Email Address	rkelly@wicklowcoco.ie
AER Returns Contact Position	Senior Executive Technician
AER Returns Contact Telephone Number	0404 20127
AER Returns Contact Mobile Phone Number	086 8517617
AER Returns Contact Fax Number	0404 67792
Production Volume	0.0
Production Volume Units	0
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	0
User Feedback/Comments	2016 saw the first full year in which Rampere Landfill was fully capped. This had the effect of reducing the leachate produced and the further decrease in methane.
Web Address	

2. PRTR CLASS ACTIVITIES

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

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

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

4. WASTE IMPORTED/ACCEPTED ONTO SITE

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

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities) ?	Yes
------------------------------------------------------------------------------------------------------------	-----

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

29/03/2017 12:32

4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

| PRTR# : W0066 | Facility Name : Ramper

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

RELEASES TO AIR			
POLLUTANT		METHO	
No. Annex II	Name	M/C/E	Met
			Method Code

* 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			
POLLUTANT		METHO	
No. Annex II	Name	M/C/E	Met
			Method Code

* 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			
POLLUTANT		METHO	
Pollutant No.	Name	M/C/E	Met
			Method Code

* 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:

Rampere Landfill

Please enter summary data on the quantities of methane flared and / or utilised

	T (Total) kg/Year	M/C/E	Meth Method Code
Total estimated methane generation (as per site model)	0.0		
Methane flared	0.0		
Methane utilised in engine/s	0.0		
Net methane emission (as reported in Section A above)	0.0		

Please enter all quantities in this section in KGs				
ID	QUANTITY			
Method Used				
Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
	0.0	0.0	0.0	0.0

Please enter all quantities in this section in KGs				
ID	QUANTITY			
Method Used				
Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
	0.0	0.0	0.0	0.0

Please enter all quantities in this section in KGs				
ID	QUANTITY			
Method Used				
Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
	0.0	0.0	0.0	0.0



Method Used	
Designation or Description	Facility Total Capacity m3 per hour
	N/A
	0.0 (Total Flaring Capacity)
	0.0 (Total Utilising Capacity)
	N/A

4.2 RELEASES TO WATERS

[Link to previous years emissions data](#)

| PRTR# : W0066 | Facility Name : Rampere Landfill | Filename : Ramp

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

Data on ambient monitoring of storm/surface water or groundwater

RELEASES TO WATERS				
POLLUTANT				
No. Annex II	Name	M/C/E	Method Used	
			Method Code	Designation or Description

* 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				
POLLUTANT				
No. Annex II	Name	M/C/E	Method Used	
			Method Code	Designation or Description

* 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				
POLLUTANT				
Pollutant No.	Name	M/C/E	Method Used	
			Method Code	Designation or Description

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

r, conducted as part of your licence requirements, should NOT be submitted under AER / PRTR Reporting as this only concerns Releases from your facility

Please enter all quantities in this section in KGs			
QUANTITY			
Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
0.0	0.0	0.0	0.0

Please enter all quantities in this section in KGs			
QUANTITY			
Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
0.0	0.0	0.0	0.0

Please enter all quantities in this section in KGs			
QUANTITY			
Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
0.0	0.0	0.0	0.0

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			
POLLUTANT		METHO	
No. Annex II	Name	M/C/E	Met
			Method Code

* 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			
POLLUTANT		METHO	
Pollutant No.	Name	M/C/E	Met
			Method Code

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

Please enter all quantities in this section in KGs				
D	QUANTITY			
Method Used				
Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
	0.0	0.0	0.0	0.0

Please enter all quantities in this section in KGs				
D	QUANTITY			
Method Used				
Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
	0.0	0.0	0.0	0.0

4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

| PRTR# : W0066 | Facility Name : Rampere I

SECTION A : PRTR POLLUTANTS

RELEASES TO LAND			
POLLUTANT		METHO	
No. Annex II	Name	M/C/E	Method Code

* 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			
POLLUTANT		METHO	
Pollutant No.	Name	M/C/E	Method Code

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

Please enter all quantities in this section in KGs			
D	QUANTITY		
Method Used			
Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
	0.0	0.0	0.0

Please enter all quantities in this section in KGs			
D	QUANTITY		
Method Used			
Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
	0.0	0.0	0.0

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : W0066 | Facility Name : Rampere Landfill | Filename : Rampere 2016 AER.xls | Return Year : 2016 |

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	
						M/C/E	Method Used
Within the Country	13 02 06	Yes	3.72	synthetic engine, gear and lubricating oils	R9	M	Weighed
Within the Country	15 01 01	No	18.34	paper and cardboard packaging	R3	M	Weighed
Within the Country	15 01 01	No	43.86	paper and cardboard packaging	R3	M	Weighed
Within the Country	15 01 01	No	0.0	paper and cardboard packaging	R3	M	Weighed
Within the Country	15 01 02	No	6.75	plastic packaging	R3	M	Weighed
Within the Country	15 01 04	No	12.72	metallic packaging	R4	M	Weighed
Within the Country	15 01 04	No	0.0	metallic packaging	R4	M	Weighed

Within the Country	15 01 07	No	65.65 Glass packaging	R5	M	Weighed
Within the Country	16 06 01	Yes	1.8 lead batteries	R4	M	Weighed
Within the Country	16 06 04	No	0.42 alkaline batteries (except 16 06 03)	R4	M	Weighed
Within the Country	19 07 03	No	landfill leachate other than those 1420.0 mentioned in 19 07 02	D8	M	Weighed
Within the Country	20 01 01	No	0.0 paper and cardboard	R3	m	Weighed
Within the Country	20 01 01	No	21.84 paper and cardboard	R13	M	Weighed
Within the Country	20 01 11	No	8.94 textiles	R3	M	Weighed
Within the Country	20 01 21	Yes	fluorescent tubes and other mercury- 1.36 containing waste	R4	M	Weighed
Within the Country	20 01 40	No	64.96 metals	R4	M	Weighed
Within the Country	20 03 01	No	mixed municipal waste	D5	M	Weighed

Within the Country	20 01 01	No	5.44 paper and cardboard	R3	M	Weighed
Within the Country	15 01 02	No	4.08 plastic packaging	R3	M	Weighed

* 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](#)

Location of Treatment	<u>Haz Waste</u> : Name and Licence/Permit No of Next Destination Facility <u>Haz Waste</u> : Name and Licence/Permit No of Recover/Disposer <u>Non</u>	<u>Haz Waste</u> : Address of Next Destination Facility <u>Non Haz Waste</u> : 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)
Offsite in Ireland	ENVA Ireland,W184-01	Clonminam Industrial Estate,,Portlaoise,,Ireland	Enva Ireland,W184-01,Clonminam Industrial Estate,,Portlaoise,,Ireland	Clonminam Industrial Estate,,Portlaoise,,Ireland
Offsite in Ireland	Irish Packagaing Recycling,W263-01	Ballymount Road,Walkinstown,Dublin,12,Ireland		
Offsite in Ireland	Starrus Holdings,W0053-03	Bray Depot,La Vallee House,Fassaroe Bray,Co.Wicklow,Ireland		
Offsite in Ireland	Natural Energy & Recycling Ltd.,WFP-DS-11-0001-01	Lane,Greenougue,Rathcoole, Co.Dublin,Ireland		
Offsite in Ireland	Recyclenet,WP109/2003	,,Rathangan,Co.Kildare,Ireland		
Offsite in Ireland	Glassco,WP247/2006	Unit 4,Oberstown Industrial Park,Caragh Road,Naas,Ireland		
Offsite in Ireland	Leon Recycling,WP247/2006	Croghan Industrial Estate,,Arklow,Co.Wicklow,Ireland		

Offsite in Ireland	Glassco,WP247/2006	Unit 4,Oberstown Industrial Park,Caragh Road,Naas,Ireland		
Offsite in Ireland	Recycling Village,WP2007/20	n/a,n/a,Monisterboice,Co. Louth,Ireland	Recycling Village,Wp2007/20,,,,Monisterboice,Co.Louth,Ireland	,,,,Monisterboice,Co.Louth,Ireland
Offsite in Ireland	Recycling Village,WP2007/20	n/a,n/a,Monisterboice,Co. Louth,Ireland		
Offsite in Ireland	Wicklow County Council,Baltinglass Sewage Treatment Works	,,,Baltinglass,Co. Wicklow,Ireland		
Offsite in Ireland	WCDA Wexford 2000,WFP-WX-09-0004-01	Rosslare Road,,,Wexford,,,Ireland		
Offsite in Ireland	Wicklow Co.Co. Bray Recycling Centre,Cert of Reg. R1004	,,,Bray,Co.Wicklow,Ireland		
Offsite in Ireland	Textile Recycling Ltd.,WPR 014	,,,Dublin,Ireland		
Offsite in Ireland	KMK Metals Recycling Limited,W0113-04	Cappincur Ind. Est.,Daingean Road,Tullamore,Co. Offaly,Ireland	KMK Metals Recycling Limited,W0113-04,Cappincur Industrial Estate,Daingean Rd.,Tullamore,Co.Offaly,Ireland	Cappincur Industrial Estate,Daingean Rd.,Tullamore,Co.Offaly,Ireland
Offsite in Ireland	Leon Recycling,WP247/2006	Croghan Industrial Estate,,,Arklow,Co.Wicklow,Ireland		
Onsite of generation	Bord Na Mona Landfill.,W0201-03	Drehid,,,,,Carbury,Co Kildare,Ireland		

Offsite in Ireland	Irish Packagaing Recycling,W263-01	Ballymount Road,Walkinstown,Dublin,12, Ireland
Offsite in Ireland	Irish Packagaing Recycling,W263-01	Ballymount Road,Walkinstown,Dublin,12, Ireland