


Facility Information Summary	
AER Reporting Year	,2012
Licence Register Number	W0258-01
Name of site	Murray Waste Recycling Ltd
Site Location	Coolatore, Ferns, Enniscorthy, Co. Wexford
NACE Code	3832
Class/Classes of Activity	D13, D14, D15, R3, R4, R5, R11, R12, R13
National Grid Reference (6E, 6 N)	-6.46655 52.5792

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.**

Murray Waste Recycling is licensed to accept 24,500 tonnes per annum of waste including mixed dry recyclables, recyclables, segregated municipal biowaste, municipal solid waste and construction & demolition waste. The Quantities Accepted in 2012 were estimated to be as follows:
 Mixed Dry Recyclables 2800
 Source Separated Recyclables 800
 Source Separated bio-waste 1300
 Municipal Solid Waste 8700
 Construction & Demolition Waste 5800
 Estimated Total 19,400. The over all tonnage, when compared to 2011 (when the site operated under a waste permit) was circa 21,800 tonnes. The facility was extended over the past two years and is now nearing completion. The first EPA audit of the facility was conducted in February 2013 and a total of four non compliances noted, namely • Non-compliance with Condition 6.19.13 of the waste licence 258-01 in relation to the odour assessment report at the facility
 • Non-compliance with Condition 3.22.1 of the waste licence in relation to a report on the firewater risk assessment for the facility.

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.

	09 - 04 - 2013
Signature Group/Facility Manager <small>(or nominated, suitably qualified and experienced deputy)</small>	Date

AIR-summary template Lic No: W0258-01 Year: 2012

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

No	
----	--

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

SELECT	
--------	--

3 Was all monitoring carried out in accordance with EPA [Basic air monitoring checklist](#) and using the basic air monitoring checklist? [AGN2](#)

SELECT	
--------	--

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
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		

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

AIR-summary template	Lic No: W0258-01	Year: 2012
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 3 and compare it to its relevant Emission Limit Value (ELV)

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

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

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

Table A2: Summary of average emissions -continuous monitoring

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

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

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

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

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

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

AIR summary template		Lic No: W0258-01	Year: ,2012					
Solvent use and management on site								
B Do you have a total Emission Limit Value of direct and fugitive emissions on site? If yes please fill out tables A4 and A5			No					
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	Total VOC emissions as % of solvent					
			Total Emission Limit Value (ELV) in licence or any revision thereof					
			Compliance					
			SELECT					
			SELECT					
Table A5: Solvent Mass Balance summary								
	(I) Inputs (kg)	(O) Outputs (kg)						
Solvent	(I) Inputs (kg)	Organic solvent emission in	Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g.	Solvents destroyed onsite through	Total emission of Solvent to air (kg)
								Total

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 licensed emissions you only need to complete table W1 and or W2 for surface 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

Table W1 Surface 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

*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

[External/Internal Lab Quality checks](#) [Assessment of results checklists](#)

SELECT	Additional information
SELECT	

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

Emission reference no:	Emission released to	Parameter/Substance/Code 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
	SELECT	SELECT	SELECT		SELECT		SELECT		SELECT	SELECT	SELECT	SELECT			

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

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

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

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

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 down (hrs (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

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

Table 1: Upgradient Groundwater monitoring results

Date of sampling	Sample location reference	Parameter/ Substance	Methodology	Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	SELECT**	% change in average concentration previous year +/-	Upward trend in pollutant concentration over last 5 years of monitoring data
22/08/2012	GW3	VOC TICs	Target by GC-MS, modified USEPA 8260	Bi annual	ND	ND	ug/l			First year of licence	SELECT
22/08/2012	GW3	Ammoniacal Nitrogen	Aquakem	Bi annual	<0.03	<0.03	mg/l	0.2 mg/l for A1 water) to 4mg/l for A3 water			
22/08/2012	GW3	Fluoride	Dionex	Bi annual	<0.03	<0.03	mg/l	1.5	DWS		
22/08/2012	GW3	Chloride	Aquakem	Bi annual	21.6	21.6	mg/l	250	DWS		
22/08/2012	GW3	Nitrate	Aquakem	Bi annual	3.7	3.7	mg/l	50	DWS		
22/08/2012	GW3	COD	Colourimetric measurement	Bi annual	<7	<8	mg/l				
22/08/2012	GW3	EC	Metrohm	Bi annual	245	246	us/cm	2500	DWS		
22/08/2012	GW3	F Coliforms	MPN	Bi annual	>18	>18	MPN/100ml	100,000	SW EQS		
22/08/2012	GW3	T Coliforms	MPN	Bi annual	>100	>100	MPN/100ml	100,000	SW EQS		
22/08/2012	GW3	pH	Metrohm	Bi annual	8.13	8.13	pH units	≥6.5 and ≤ 9.5	DWS		
22/08/2012	GW3	Total Nitrogen	--	Bi annual	1.8	1.8	mg/l				

Groundwater/Soil monitoring template				Lic No: W0258-01		Year: 2012			
22/08/2012	GW1	VOC TICs	Target by GC-MS, modified USEPA 8260	Bi annual	ND	ug/l			
22/08/2012	GW1	Ammoniacal Nitrogen	Aquakem	Bi annual	0.04	mg/l	0.2 mg/l for A1 water) to 4mg/l for A3 water		
22/08/2012	GW1	Fluoride	Dionex	Bi annual	<0.03	mg/l	1.5	DWS	
22/08/2012	GW1	Chloride	Aquakem	Bi annual	24.4	mg/l	250	DWS	
22/08/2012	GW1	Nitrate	Aquakem	Bi annual	20	mg/l	50	DWS	
22/08/2012	GW1	COD	Colourimetric measurement	Bi annual	<7	mg/l			
22/08/2012	GW1	EC	Metrohm	Bi annual	245	us/cm	2500	DWS	
22/08/2012	GW1	F Coliforms	MPN	Bi annual	<1	MPN/100ml	100,000	SW EQS	
22/08/2012	GW1	T Coliforms	MPN	Bi annual	5	MPN/100ml	100,000	SW EQS	
22/08/2012	GW1	pH	Metrohm	Bi annual	7.52	pH units	≥6.5 and ≤ 9.5	DWS	
22/08/2012	GW1	Total Nitrogen	--	Bi annual	7.3	mg/l			
22/08/2012									

.+ 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**	% change in average concentration previous year +/-	Upward trend in yearly average pollutant concentration over last 5 years of monitoring data
22/08/2012	GW2	VOC TICs	Target by GC-MS, modified USEPA 8260	Bi annual	ND	ND	ug/l			First year of licence	SELECT
22/08/2012	GW2	Ammoniacal Nitrogen	Aquakem	Bi annual	0.64	1.64	mg/l	0.2 mg/l for A1 water) to 4mg/l for A3 water			SELECT
22/08/2012	GW2	Fluoride	Dionex	Bi annual	<0.03	<0.04	mg/l	1.5	DWS		SELECT
22/08/2012	GW2	Chloride	Aquakem	Bi annual	24.6	24.6	mg/l	250	DWS		SELECT
22/08/2012	GW2	Nitrate	Aquakem	Bi annual	2.3	2.3	mg/l	50	DWS		SELECT

Groundwater/Soil monitoring template				Lic No:	W0258-01	Year	2012					
22/08/2012	GW2	COD	Colour/metric measurement	Bi annual	<7	<8						SELECT
22/08/2012	GW2	EC	Metrohm	Bi annual	734	734	mg/l					SELECT
22/08/2012	GW2	F Coliforms	MPN	Bi annual	0	0	MPN/100ml	2500	DWS	100,000	SW EQS	SELECT
22/08/2012	GW2	T Coliforms	MPN	Bi annual	<1	<2	MPN/100ml	100,000	SW EQS	100,000	SW EQS	SELECT
22/08/2012	GW2	pH	Metrohm	Bi annual	7.95	7.95	pH units	≥6.5 and ≤ 9.5	DWS			SELECT
22/08/2012	GW2	Total Nitrogen	-	Bi annual	4.9	4.9	mg/l					SELECT

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

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

- [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

			Commentary
1	ELRA Initial agreement status	Required but not submitted	The ELRA is currently being prepared and should be submitted to the Agency in April
2	ELRA review status	Review required and not completed;	
3	Amount of Financial Provision cover required as determined by the latest ELRA	Specify	TBC
4	Financial Provision for ELRA status	Required but not submitted	
5	Financial Provision for ELRA - amount of cover	Specify	TBC
6	Financial Provision for ELRA - type	SELECT	TBC
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan Initial agreement status	Required but not submitted	
9	Closure plan review status	Review required and not completed	
10	Financial Provision for Closure status	Required but not submitted	
11	Financial Provision for Closure - amount of cover	Specify	TBC
12	Financial Provision for Closure - type	SELECT	TBC
13	Financial provision for Closure expiry date	Enter expiry date	TBC

Environmental Management Programme/Continuous Improvement Programme template Lic No: W0258-01 Year ,2012

Highlighted cells contain dropdown menu click to view

Additional Information

1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional Information	Yes	Environmental Management System (EMS) 2012 under WP/08/23 - A new EMS is currently under deveopment and will be submitted to the EPA for approval in May 2013
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	Intermedate outcomes
SELECT		SELECT		SELECT	SELECT
SELECT		SELECT		SELECT	SELECT
SELECT		SELECT		SELECT	SELECT

Noise monitoring summary report

Lic No: **W0258-01** Year **,2012**

- 1 Was noise monitoring a licence requirement for the AER period?
If yes please fill in table N1 noise summary below
- 2 Was noise monitoring carried out using the EPA Guidance note Including completion of the "Checklist for noise measurement report" Included in the guidance note as table 6? Noise Guidance note NG4
- 3 Does your site have a noise reduction plan
- 4 When was the noise reduction plan last updated?
- 5 Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since the last noise survey?

Table N1: Noise monitoring summary

Date of monitoring	Time period	Noise location (on site)	Noise sensitive location -NSL (If applicable)	LAeq	LA90	LA10	LAmax	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)?
11/07/2012	30	NS1		50.2	37	51.4	71	No	No		Yes
11/07/2012	30	NS2		39.8	31.8	40.4	65.4				

*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?

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

Any additional comments? (less than 200 words)

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

Additional Information	
To be undertaken	
no	
SELECT	Not Applicable

Table R1 Energy usage on site				
Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)		48199		
Total Energy Generated (MWHrs)		None		
Total Renewable Energy Generated (MWHrs)		None		
Electricity Consumption (MWHrs)		48199		
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)		200.69		
Light Fuel Oil (m3)				
Natural gas (CMN)				
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 ³ /yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:
Groundwater	Not measured						
Surface water	Not Applicable						
Public supply	Not Applicable						
Recycled water	Not Applicable						
Total	Not measured						

* 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)	None				
Non-Hazardous (Tonnes)	Not Measured				

Resource Usage/Energy efficiency summary Lic No: **W0258-01** Year **2012**

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
To be completed			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: **W0258-01** Year: **2012**

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

Additional information

No

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

Incidents

Have any incidents occurred on site in the current reporting year? Please list all incidents for current reporting year in Table 2 below

Additional information

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 reoccurrence
	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:	W0258-01	Year:	2012	
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

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	
Yes	Used as Engineering fill and to upgrade berms on site

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	
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

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 <small>Please enter an accurate and detailed description - which European Waste Catalogue EWC code.</small>	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 (%) <small>only applies if the waste has a packaging component</small>	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 -
5040	17 01 07	17- CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)	mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	264.7					<i>RS-Recycling/reclamation or other inorganic materials which includes soil containing resulting in recovery of the soil and recycling of inorganic construction materials</i>	1500	This tonnage came from material which entered the site under the codes 17 09 04 and 17 01 07 and which was sorted on site
5040	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	246.71					<i>RS-Recycling/reclamation or other inorganic materials which includes soil containing resulting in recovery of the soil and recycling of inorganic construction materials</i>	675	This tonnage came from material which entered the site under the codes 17 09 04 and 17 05 04 and which was sorted on site

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 on site

No	Hull standing area for C&E
SELECT	
Yes	
SELECT	Doors/Curtains, Wash down tank, fire water tank, fire water retention, Met station needs erection

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	
Yes	
No	

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

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

WASTE SUMMARY				Site No.	W0258-01	Year	2012

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	Exceed disposal area occupied by waste	Valued area	Comments on liner type
										SELECT UNIT	SELECT UNIT	SELECT UNIT	
Cell 8													

WASTE SUMMARY Lic No: W0258-D1 Year: 2012

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 (ELV)?	Was topography of the site surveyed in reporting year?	Has the statement under SS1(A)(3) 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 section 4	Area capped other	Area with waste that should be permanently capped to date under license	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

Volume of leachate in reporting year(m3)	Leachate (BOD) mass load (kg/year/min)	Leachate (COD) mass load (kg/year/min)	Leachate (NH4) mass load (kg/year/min)	Leachate (Chloride) mass load (kg/year/min)	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

PRTR# W0258 | Facility Name: Murray Waste Recycling Limited | Filename: W0258_2012(1).xls | Return Year: 2012

Guidance to completing the PRTR workbook

AER Returns Workbook

Version: 1.16

REFERENCE YEAR	2012
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1. FACILITY IDENTIFICATION

Parent Company Name	Murray Waste Recycling
Facility Name	Murray Waste Recycling Limited
PRTR Identification Number	W0258
Licence Number	W0258-01

Waste or IPPC Classes of Activity

No.	class_name
4.4	Recycling or reclamation of other inorganic materials.

Address 1	Coolatore
Address 2	Ferns
Address 3	Co. Wexford
Address 4	
Country	Ireland
Coordinates of Location	-6.46655 52.5792
River Basin District	IESE
NACE Code	3832
Main Economic Activity	Recovery of sorted materials
AER Returns Contact Name	Daphne Walshe-Deacon
AER Returns Contact Email Address	daphne@murraywaste.ie
AER Returns Contact Position	Deputy Facility Manager
AER Returns Contact Telephone Number	053 93 66778
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	053 93 66860
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	11
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
50.1	General

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

Is it applicable?	
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) ?	
--	--

4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

PRTR# : W0258 | Facility Name : Murray Waste Recycling Limited | Filename : W0258_2012(1).xls | Return Year : 2012

Print Data

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

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

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

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

Additional Data Requested from Landfill operators

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

Landfill:

Murray Waste Recycling Limited

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

	T (Total) kg/Year	M/C/E	METHOD		Facility Total Capacity m ³ 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](#)

PRTR# : W0258 | Facility Name : Murray Waste Recycling Limited | Filename : W0258_2012(1).xls | Return Year : 2012

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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

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

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

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

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

4.3 RELEASES TO WASTEWATER OR SEWER

[Link to previous years emissions data](#)

SECTION A : PRTR POLLUTANTS

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT			METHOD		QUANTITY			
No. Annex II	Name	M/C/E	Method Code	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

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

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

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT			METHOD		QUANTITY			
Pollutant No	Name	M/C/E	Method Code	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

* 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](#)

W0258_2012(1).xls | Murray Waste Recycling Limited | W0258_2012(1).xls | Return Year : 2012

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SECTION A : PRTR POLLUTANTS

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

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

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

POLLUTANT		RELEASES TO LAND		METHOD		Please enter all quantities in this section in KGs		
Pollutant No.	Name	M/C/E	Method Code	Method Used	Description or Descriptor	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

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Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Site Waste Name and Licence/Permit No. of Next Destination Facility	Site Waste Name and Licence/Permit No. of Recover/Disposer	Site Waste Address of Next Destination Facility	Name and Licence / Permit No. and Address of Final Receiver / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination (i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY))
						M/C/E	Method Used		Site Waste Name and Licence/Permit No. of Next Destination Facility	Site Waste Name and Licence/Permit No. of Recover/Disposer	Site Waste Address of Next Destination Facility	Name and Licence / Permit No. and Address of Final Receiver / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination (i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY))
Within the Country	17 02 03	No	12.54	plastic mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	R12	M	Weighed	Offsite in Ireland	Lenster Environmental WFP LH-11-0002-01	Stan O'Reilly T/A C & D Recycling WFP-WW-09-0009-02	Park, Huggardstown Dundalk, Co Louth, Ireland	TINAKILLY, Rathnew, Co Wicklow, Ireland	
Within the Country	17 09 04	No	40.26	ferrous metal	R13	M	Weighed	Offsite in Ireland	Mulligan Dismantling & Salvage Ltd WFP-WX-10-0017-01		Inch, Greay, Co Wexford, Ireland	Conway Port Industrial Estate, Ballyroney, The Marrough, Wicklow, Ireland	
Within the Country	19 12 02	No	34.38	ferrous metal	R4	M	Weighed	Offsite in Ireland	Multimetals Recycling Ltd WFP-WW-09-0014-02				
Within the Country	19 12 02	No	60.16	ferrous metal	R4	M	Weighed	Offsite in Ireland	Waddock Composting Facility Ltd WFP-CW-11-0006-01				
Within the Country	19 12 07	No	26.42	wood other than that mentioned in 19 12 06	R3	M	Weighed	Offsite in Ireland	Ballynagran Landfill Greenstar South East Ltd W0166-02				
Within the Country	19 12 09	No	255.22	minerals (for example sand, stones) other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	D1	M	Weighed	Offsite in Ireland	Ballynagran Landfill Greenstar South East Ltd W0165-02				
Within the Country	19 12 12	No	2627.46	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	D1	M	Weighed	Offsite in Ireland	Ballynagran Landfill Greenstar South East Ltd W0165-02				
Within the Country	19 12 12	No	1112.42	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	D1	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility Bord na Mona Plc W0201-03				
Within the Country	19 12 12	No	376.32	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R13	M	Weighed	Offsite in Ireland	Grayhound Recycling & Recovery Ltd W0205-01				
Within the Country	19 12 12	No	25.22	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R13	M	Weighed	Offsite in Ireland	Thorntons Recycling Centre Padraig Thornton Waste Disposal Ltd W0044-02				
Within the Country	20 01 02	No	21.98	glass	R13	M	Weighed	Offsite in Ireland	Gannon ECO John Gannon Concrete Ltd WFP-WM-2009-0007-01				
Within the Country	20 01 08	No	530.19	biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	Waddock Composting Facility Ltd WFP-CW-11-0006-01				
Within the Country	20 03 01	No	49.34	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Grayhound Recycling & Recovery Ltd W0205-01				
Within the Country	20 03 01	No	98.6	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Advanced Environmental Solutions (Ireland) Ltd W0104-02				
Within the Country	20 03 01	No	1254.72	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Kilroney Waste Disposal Limited W0217-01				
Within the Country	20 03 01	No	59.26	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Oxigen Environmental Limited W0208-01				