Facility Information	Summary
AER Reporting Year	2015
Licence Register Number	W0071-02
Name of site	Marlinstown Landfill
Site Location	Marlinstown, Mullingar, County Westmeath
NACE Code	3821
Class/Classes of Activity	A3 (2011)
National Grid Reference (6E, 6 N)	(-) 7.29169 53.5229

A description of the activities/processes at the site for the reporting year. This should include information such as production increases or decreases on site, any infrastructural changes, environmental performance which was measured during the reporting year and an overview of compliance with your licence listing all exceedances of licence limits (where applicable) and what they relate to e.g. air, water, noise.

The final capping of the last section of the landfill (phase 2) was completed in early 2012. In October 2013 the flare ignition system was turned off while the flow through the blower was increased incremetally to an average of 492m3/hr. This was to ascertain at what abstraction levels landfill gas migration off site ceased. The trial also established that when the blower was turned off, it took 10 days for methane levels in two of the perimeter wells to exceed the 1% licence limit. In October 2015 methane levels had crept upto 15% and at the time of our EPA site inspection in December it was at 32%. On instruction from EPA, gas flaring was restarted on the 16th December. There were 33 incidents this year, one more than the previous year. Power consumption was down 7% on last year. This was due to repairing a leak on the compressed air line.

Declaration:

All the data and information presented in this report has been checked and certified as being accurate. The quality of the information is assured to meet licence requirements.

Signature

Group/Facility manager

(or nominated, suitably qualified and experienced deputy)

Date

13 Marin Day

AIR-summary template	Lic No:	W0071-02	Year	2015
Answer all questions and complete all tables where relevant				
		Additional inform	ation	
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		Licence requires monitoring for Nox HF.	, SO2 and TOC, HCl and	

	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	1	No monitoring of emissions from the flare had been carried out as the flare was turned off for the whole year. The flare was only restarted on the 16th December 2015.	
3	Was all monitoring carried out in accordance with EPA guidance note AG2 and using the basic air monitoring checklist? Basic air monitoring checklist monitoring checklist?	No	No monitoring of the flare was carried out as there was no burning of the gas for a substanial part of the year.	

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

Emission reference no:	Parameter/ Substance	Frequency of Monitoring	ELV in licence or any revision therof	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence limit	Method of analysis	Annual mass load (kg)	Comments - reason for change in % mass load from previous year if applicable
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT		SELECT	SELECT	SELECT		
	SELECT			SELECT	8	SELECT	SELECT	SELECT		<u> </u>

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

AIR-summary template	Lic No:	W0071-02	Year	2015	VERMIN -
Continuous Monitoring		BULS			
4 Does your site carry out continuous air emissions monitoring?	No				
If yes please review your continuous monitoring data and report the required fields below in Table A2 and compa it to its relevant Emission Limit Value (ELV)	are			_	
5 Did continuous monitoring equipment experience downtime? If yes please record downtime in table A2 below	SELECT				
6 Do you have a proactive service agreement for each piece of continuous monitoring equipment?	SELECT				
7 Did your site experience any abatement system bypasses? If yes please detail them in table A3 below Table A2: Summary of average emissions -continuous monitoring	SELECT				

Emission	Parameter/ Substance	2	Averaging Period	Compliance Criteria	Units of	Annual Emission	Annual maximum	Monitoring	Number of ELV	Comments
reference no:				20 30	measurement			Equipment	exceedences in	
								downtime (hours)	current	
		ELV in licence or any							reporting year	
Vi.		revision therof								
	SELECT			SELECT	SELECT		i -			
	SELECT				SELECT					
	SELECT	5			SELECT					
	SELECT				SELECT					
	SELECT				SELECT			İ	1	

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
		<u> </u>			

^{*} 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

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	AIR-summary	template				Lic No:	W0071-02	Manager I was a	Year	2015
	Solven	t use and manageme	ent on site							
B Do you have a tot	al Emission Limit Value of o	direct and fugitive emi	issions on site? if ye	es please fill out tables A4 and A	5		No			
		ble A4: Solvent Management Plan Summary tal VOC Emission limit value Solvent Please refer to linked solve regulations complete table 5								
	Reporting year	Total solvent input on site (kg)	Total VOC emissions to Air from entire site (direct and fugitive)	emissions as %of solvent input	Total Emission Limit Value (ELV) in licence or any revision therof	Compliance				
Tal	Table A5:	Solvent Mass Balan	ce summary			SELECT				
		(I) Inputs (kg)			(0)	Outputs (kg)				
	Solvent	(I) Inputs (kg)		Solvents lost in water (kg)	Collected waste solvent (kg)	Fugitive Organic Solvent (kg)	Solvent released in other ways e.g. by-	Solvents destroyed onsite through	Total emission of Solvent to air (kg)	
-										
Ĺ							<u> </u>	Total		

2015

	AER Monitoring returns summary template-WATER/WASTEWATER(SEWER)		Lic No: W0071-02	Year
			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	No	There are 4 surface water monitoring points - SW1 & SW2 are the on the Marlinstown stream. However due to low flows / no flows monitored infrequently. SW3 1km D5 and SW5 D5 at side of land SW5 only NH4 and SS required.	SW1 was
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		
	Table 18/1 Starra weeks manifester		· · · · · · · · · · · · · · · · · · ·	

Table W1 Storm water monitoring

Location reference	Location relative to site activities	PRTR Parameter	Licenced Parameter	Monitoring date	ELV or trigger level in licence or any revision thereof*	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with licence	Comments
5W1	Upstream		Chloride	Half yearly			52.6	mg/L		Not sampled last year
SW1	Upstream		Ammonia (as N)	Half yearly			<0.27	mg/L		Not sampled last year
SW1	Upstream		BOD	Half yearly			2	mg/L		Not sampled last year
SW2	Upstream		Chloride	Half yearly			34.5	mg/L		This is a 14% reduction on last year
SW2	Upstream		Ammonia (as N)	Half yearly			<0.27	mg/L		This is a 46% reduction on last year
SW2	Upstream		BOD	Half yearly			<1	mg/L		This is a 54% reduction on last year
SW3	Dnstream		Chloride	Half yearly		_	37.3	mg/L		This is a 25% reduction on last year
SW3	downstream	SELECT	Ammonia (as N)	Half yearly		SELECT	1.01	mg/L	SELECT	This is a 56% reduction on last year
5W3	downstream	SELECT	BOD	Half yearly		SELECT	1	mg/L	SELECT	This is a 87% reduction on last year

^{*}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
	i		SELECT		
			SELECT		

icensed Emissions to wa	ater and /or wastewater	r(sewer)-periodic monitor	ring (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					Additional information
	Was all monitoring carried out in accordance with EPA				18	
	guidance and checklists for Quality of Aqueous Monitoring	External /Internal				
	Data Reported to the EPA? If no please detail what areas	Lab_Quality	Assessment of			
4	require improvement in additional information box	checklist	results checklist	SELECT		

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

		W =												
nission leased to	Parameter/ SubstanceNote 1	Type of sample	Frequency of monitoring		ELV or trigger values in licence or any revision therof ^{Note 2}	Licence Compliance criteria	Measured value	Unit of measurement	Compliant with	Method of analysis	Procedural reference source	Procedural reference standard number	Annual mass load	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

AER Monitoring returns summary template-WATER/WASTEWATER(SEWER	R) Lic No:	W0071-02	Year	2015	
Continuous monitoring Does your site carry out continuous emissions to water/sewer monitoring?	No	Additional Information			
If yes please summarise your continuous monitoring data below in Table W4 and compare it to its relevant Emission Limit Value (ELV)					
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	SELECT SELECT				

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)		 Number of ELV exceedences in	Comments
	SELECT	SELECT		SELECT	SELECT	SELECT		Ī		
	SELECT	SELECT		SELECT	SELECT	SELECT	8	1		

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	<u> </u>

^{*}Measures taken or proposed to reduce or limit bypass frequency

SELECT SE			_	Lie No:	W0071-02		Year	201	2				2
stalament structures on site, in addition to all bunds whe table below, please include all bunds outside the license are provide integrity testing frequency period es the site maintain a register of bunds, underground pipe units and mobile bunds) we many bunds are on site? We many of these bunds have been tested within the requipment of the set bunds included in the bund test schedule? We many of these mobile bunds have been tested within the requipment of these mobile bunds have been tested within the remaining state of the mobile bunds included in the integrity test so we many of these sumps are integrity tested within the test are list any sump integrity failures in table 81 all sumps and chambers have high level liquid alarms? The set of 11 are these failsafe systems included in a maintener of the set of 12 are these failsafe systems included in a maintener of the set of 12 are these failsafe systems included in a maintener of 12 are these failsafe systems included in a maintener of 13 are these failsafe systems included in a maintener of 14 are these failsafe systems for containment rule as detailed integrity testing been carried out in accordance with lice with BS8007/EPA Guidance? Channels/transfer systems to remote containment systems than the systems of the set of 15 are systems to remote containment systems. Pipeline/underground structure testing Pipeline/underground structure testing You required by your licence to undertake integrity testing ergound structures and pipelines on site which failed the set provide integrity testing frequency period has note integrity testing means water tightness testing. Table 82: Summary details of pipeline/underground structure ID Type system Material of Material of Pipeline/underground structure ID Type system Material of Material of Pipeline/underground structure ID Type system Material of Material of Pipeline/underground structure ID Type system Material of Pipeline/underground structure ID	dropdown menu (nenu click to see options				Additional information	_						
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table below, please Include all bunds outside the licenses provide integrity testing frequency period est the site maintain a register of bunds, underground pipe units and mobile bunds) with many bunds are on site? with many of these bunds have been tested within the requiper many of these bunds have been tested within the requiper many of these mobile bunds have been tested within the virtual provided in the bund test schedule? With mobile bunds included in the bund test schedule? With mobile bunds included in the integrity test so with many sumps on site are included in the integrity test so within the test set list any sump integrity failures in table 81 all sumps and chambers have high level liquid alarms? The total provided in a maintent of the fire Water Retention Pond included in your integrity to the Fire Water Retention Pond included in your integrity to the fire with the set of the set of the fire with the set of the fire with the set of the fire with the set of the set of the fire with the set of the set	_					of levels in tank indicate that there	-						
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Table B1: Summary details of bund /consideration of the state of the s							7						
Table B1: Summary details of bund /cont details of pipeline/und details of pipeline/und details of pipeline/und details of pipeline/und /cont de		120			Yes	High level alarm on lagoon	-						
Table B1: Summary details of bund /contact					Yes		-						
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ture ID Type Specify Ort SELECT	/containment structure in	ure integrity test	1										
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city required should comply with 23% or 110% containment rule as detailed tregrity testing been carried out in accordance with lice virth BSB007/EPA Guidance? hannels/transfer systems to remote containment system hannels/transfer systems compliant in both integrity as Pipeline/underground structure testing our required by your licence to undertake integrity testing round structures and pipelines on site which failed the provide integrity testing frequency period see note integrity testing means water tightness testing Table B2: Summary details of pipeline/und Structure ID Type system Material of Material of Mat					SELECT			SELECT	SELECT		SELECT		1
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Structure ID Type system Material o	led the integrity test and a sting for process and foul p	and all which have not been teste foul pipelines (as required under yo	d withing the Integrity test		No SELECT								
	/underground structures in	ures integrity test								1			
	rial of construction:	Does this structure have Secondary containment?	Type of secondary containment	Tuna integrity testing	Integrity reports	Results of tast				Results of retest(if in current			
DELLET SEEEL		SELECT SELECT	SELECT	Type integrity testing		Results of test	<50 words	taken	for retest	reporting year)	-		
	1	(SELEC)	SELECI	SELECT	SELECT	SELECT		1	1	SELECT	-		
							1	1	 		-		
							 	+					
							J	1		ļ	-1		
	Plassa usa saar	commentary for additional details	not answered by tables/ qu	estions above									

The same of the sa					
Groundwater/Soil monitoring template	Lic No:	W0071-02	Year	2015	

Comments

		Comments	
Are you required to carry out groundwater monitoring as part of your licence requirements?	yes	6 No. monitoring boreholes around site.	Please provide an interpretation of groundwater monitoring data in the
2 Are you required to carry out soil monitoring as part of your licence requirements?	по		interpretation box below or if you require additional space please
Do you extract groundwater for use on site? If yes please specify use in comment section	no		include a groundwater/contaminated land monitoring results interpretaion as an additional section in this AER
Do monitoring results show that groundwater generic assessment criteria such as GTVs or IGVs are exceeded or is 4 there an upward trend in results for a substance? If yes, please complete the Groundwater Monitoring Guideline Template Report (link in cell G8) and submit separately through ALDER as a licensee return AND answer questions 5-12 below.	yes		
5 Is the contamination related to operations at the facility (either current and/or historic)	inconclusive		
6 Have actions been taken to address contamination issues?If yes please summarise remediation strategies proposed/undertaken for the site	yes	Possible leak in lagoon.Tender ready for	
7 Please specify the proposed time frame for the remediation strategy	SELECT	End of 2016	
8 Is there a licence condition to carry out/update ELRA for the site?	yes		
9 Has any type of risk assesment been carried out for the site?	yes	Submitted 2016.	
10 Has a Conceptual Site Model been developed for the site?	yes		
11 Have potential receptors been identified on and off site?	yes		SW3 is situated approximately 500m downstream of the landfill. It is
12 Is there evidence that contamination is migrating offsite?	possible	Elevated ammonia levels in groundwater down gradient of site in boggy ground.	located in agricultural land. It is possible that the elevated ammonia levels at this location could be as a result of agricultural practices in the area. However as we now suspect a leak from the lagoon, the increased levels may be as a result of this leak.

Table 1: Upgradient Groundwater monitoring results

	1.0		<u> </u>	9						
Date of sampling	Sample location reference	Parameter/ Substance		Monitoring frequency	Maximum Concentration++	Average Concentration+	unit	GTV's*	SELECT**	Upward trend in pollutant concentration over last 5 years of monitoring data
Half					<0.41	<0.34				
yearly	BH31	Ammonia		Half yearly			mg/l		İ	yes
Half					13.8			-SI		
yearly	BH31	Chloride		Half yearly	350		mg/l			yes
_					514					
Half								11.0		data not available
yearly	BH31	Conductivity		Half yearly			mScm-1			in previous years.
Half					<0.41	<0.34				
yearly	ВН32	Ammonia		Half yearly			mg/I			yes
Half					18.7					
yearly	ВН32	Chloride		Half yearly			mg/l			no

Ground	dwater/Soil	monitoring tem	plate	Lic No: W0071-02			Year	2015
				72	685			
Half								data not available
yearly	BH32	Conductivity	Half yearly			mScm-1		in previous years.

^{.+} where average indicates arithmetic mean

Table 2: Downgradient Groundwater monitoring results

Table 2:	Downgradio	ent Grounav	vater monito	oring 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
Half				1	3.19	3.07				24.00
yearly	BH13	Ammonia		Half yearly			mg/l			Fall on last year
Half					16.4	15.7	3.000			Increase on last
yearly	BH13	Chloride		Half yearly			mg/l			уеаг
Half					263	243		- X		
	BH13	Conductivity		Half yearly			mScm-1	11		Fall on last year
Half	i				3.12	2.74	393625			
	BH14	Ammonia		Half yearly			mg/I	KII		Fall on last year
Half					30.5	20.6				Increase on last
yearly	BH14	Chloride		Half yearly			mg/l	rc		year
Half				1	387	345				
yearly	BH14	Conductivity		Half yearly			mScm-1			Fall on last year
Half					<0.41	0.4				no data for last
yearly	BH15	Ammonia		Half yearly			mg/l			year
Half		1			22,4	22				no data for last
yearly	BH15	Chloride		Half yearly			mg/l			year
Half				1	659	591				no data for last
<u> </u>	BH15	Conductivity		Half yearly			mScm-1			year
Half					<0.41	0.34				no data for last
	BH16	Ammonia		Half yearly			mg/l	-5. A.C.	S = 1281 = =	year
Half					27.5	27.35				no data for last
<u>· </u>	BH16	Chloride		Half yearly			mg/l			year
Half]		·	557	501				no data for last
yearly	BH16	Conductivity		Half yearly	2		mScm-1			year

*please note exceedance of generic assessment criteria (GAC) such as a Groundwater Threshold Value (GTV) or an Interim Guideline Value (IGV) or an upward trend in results for a substance indicates that further interpretation of monitoring results is required. In addition to completing the above table, please complete the Groundwater Monitoring Guideline Template Report at the link provided and submit separately through ALDER as a licensee return or as otherwise instructed by the EPA.

Groundwater monitoring template

More information on the use of soil and groundwater standards/ generic assessment criteria (GAC) and risk assessment tools is available in the EPA published guidance (see the link in G31)

Guidance on the Management of Contaminated Land and Groundwater at EPA Licensed Sites (EPA 2013).

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

	Groundwater	Drinking water
Surface	regulations	(private suppl
water EQS	GTV's	standards

Drinking water (public supply) standards

Interim Guideline Values (IGV)

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

Groundwater/Soil monitoring template	Lic No:	W0071-02	Year	2015	

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:	W0071-02	Year 2015

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

			Commentary
1	ELRA initial agreement status	SELECT	Risk assesment carried out in 2005. The landfill has been closed since 2002 & the last remaining section was permantly capped in 2012.
2	ELRA review status	SELECT	
3	Amount of Financial Provision cover required as determined by the latest ELRA	Specify	
4	Financial Provision for ELRA status	SELECT	-12
5	Financial Provision for ELRA - amount of cover	Specify	
6	Financial Provision for ELRA - type	SELECT	
7	Financial provision for ELRA expiry date	Enter expiry date	
8	Closure plan initial agreement status	losure plan submitted and agreed by	EPA
9	Closure plan review status	SELECT	
10	Financial Provision for Closure status	SELECT	
11	Financial Provision for Closure - amount of cover	Specify	
12	Financial Provision for Closure - type	Other please specify	Westmeath Co. Council will draw from reserved internal capital resources to fund the ongoing aftercare of the landfill
¹³ _	Financial provision for Closure expiry date	Enter expiry date	

E	nvironmental Management Programme/Continuous Improvement Programme	e template	Lic No:	W0071-02	Year
	Highlighted cells contain dropdown menu click to view	<u> </u>	Additional Information	on .	
1	Do you maintain an Environmental Mangement System (EMS) for the site. If yes, please detail in additional information	Yes	in accordance with re	MS is to ensure the operation of the site gulatory requirements & best landfill ent a schedule of objectives & targets.	
2	Does the EMS reference the most significant environmental aspects and associated impacts on-site	Yes	the gas collection sys collection of leachate The main objectives	tem, the operation of the flare and the	
3	Does the EMS maintain an Environmental Management Programme (EMP) as required in accordance with the licence requirements	Yes	gas. 3) Investigate 8	t alternative treatment methods for land repair possible leak to leachate lagoon leachate removal as required.	
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	Public give	n environmental data on request.	

Environmental Management Prog	ramme (EMP) report				
Objective Category	Target	Status (% completed)	How target was progressed	Responsibility	Intermediate outcomes
Reduction of emissions to Air	Establish whether low calorific flare will burn the low quality and quanity gas produced.		Discussions with flare manufacturer on-going. Pump test to size LC flare	Section Head	As gas was not flared on site for two years, the existing flare is able to burn gas for a fixed period each day.
Groundwater protection	Repair possible leak to leachate lagoon.	40	Tender documents being prepared.	Section Head	At present no leachate is being removed off site.
SELECT		SELECT		SELECT	SELECT

Noise monitoring summary report	Lic No:	W0071-02	Year	2015
1 Was noise monitoring a licence requirement for the AER period? If yes please fill in table N1 noise summary below		No		
	Noise	With the last of t		
2 Was noise monitoring carried out using the EPA Guidance note, including completion of the	Guidance	SELECT		
"Checklist for noise measurement report" included in the guidance note as table 6?	note NG4			
3 Does your site have a noise reduction plan		SELECT		
4 When was the noise reduction plan last updated?		Enter date		
Have there been changes relevant to site noise emissions (e.g. plant or operational changes) since survey?	e the last noise	SELECT		

Date of monitoring	ise monitoring	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)?
								SELECT	SELECT		SELECT
-											
										30	
-											

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

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

SELECT

l	** please explain the reason for not taking action/resolution of noise issues?	
1	Any additional comments? (less than 200 words)	

Resource Usage/Energy efficiency summary	Lic No:	W0071-02	Year	2015

When did the site carry out the most recent energy efficiency audit? Please list the recommendations in table 3 below

3

SEAI - Large Industry Energy Network (LIEN)

Enter date of audit

SELECT

Additional information

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

Table R1 Energy usag	ge on site			
Energy Use	Previous year	Current year	Production +/- % compared to previous reporting year**	Energy Consumption +/- % vs overall site production*
Total Energy Used (MWHrs)				
Total Energy Generated (MWHrs)				
Total Renewable Energy Generated (N	MWHrs)			<u> </u>
Electricity Consumption (MWHrs)	16.973	15.8	33	
Fossil Fuels Consumption:				
Heavy Fuel Oil (m3)				
Light Fuel Oil (m3)				· · ·
Natural gas (m3)				
Coal/Solid fuel (metric tonnes)			· ·	
Peat (metric tonnes)				
Renewable Biomass				
Renewable energy generated on site				

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

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

Table R2	Water usage on site				Water Emissions	Water Consumption	
Water use	Water extracted Previous year m3/yr.	Water extracted Current year m3/yr.	Production +/- % compared to previous reporting year**	and the second s	Volume Discharged back to environment(m³yr):	Volume used i.e not discharged to environment e.g. released as steam m3/yr	Unaccounted for Water:
Groundwater	no	no					
Surface water	no	по					
Public supply	not metered	not metered					
Recycled water					1		
Total							

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

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

Table R3 Waste St	ream Summary					
	Total	Landfill	Incineration	Recycled	Other	- 1-5
Hazardous (Tonnes)						
Non-Hazardous (Tonnes)						

Reso	urce Usage/Energy effic	ciency summary			Lic No:	W0071-02		Year	2015
	Table F	R4: Energy Audit finding recommend	dations						
	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					

	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 o	n Site				

Complaints and Incidents summary template	Lic No:	W0071-02	Year	2015	
Complaints					
Have you received any environmental complaints in the current reporting year? If yes please complete summary		information			
detalls of complaints received on site in table 1 below	No				

Table	1 Complaints summary		1				
			Brief description of complaint (Free txt <20	Corrective action< 20			Further
Date	Category	Other type (please specify)	words)	words	Resolution status	Resolution date	information
	SELECT				SELECT		
	SELECT				SELECT		1
	SELECT				SELECT		T .
	SELECT				SELECT		1
	SELECT				SELECT	i	
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	I	1					

		Incidents]								
					Additional inform	ation								
Have any incidents	occurred on site in the current re year in 1	porting year? Please list all incid able 2 below	ents for current reporting	SELECT										
	on on how to report and what astitutes an incident	What is an incident												
Table 2 Incidents sui	mmary													
	1				1	Other	Activity in				Preventative			
			Incident category*please	-		cause(please	progress at			Corrective action<20	action <20		Resolution	Likelihood of
Date of occurrence	Incident nature	Location of occurrence	refer to guidance	Receptor	Cause of incident	specify)	time of incident	Communication	Occurrence	words	words	Resolution status	date	reoccurence
Feb - Dec x 9	Abate equip of line	Licenced discharge point (type	1. Minor	Air	Plant or equipmen	nt issues	Normal activities	EPA	Recurring	Restart flare when con	ditions allowed	Ongoing	31/12/2016	High
lan - Sept x 13	Breach of ELV	GW & SW monitoring points	1. Minor	Water & ground	Plant or equipmen	Leachate not bein	Normal activitles	Inland Fisheries			Extract leachar		31/12/2016	
Mar - Dec x 11	Trigger level reached	Perimeter gas wells	1. Minor	Air	Plant or equipmen	Not flaring due to	Normal activities	EPA	-			Ongoing	31/12/2016	
	SELECT	SELECT	SELECT	SELECT	SELECT		SELECT	SELECT	SELECT			SELECT		SELECT
	SELECT	SELECT	SELECT	SELECT	SELECT				SELECT			SELECT		SELECT
Total number of					-		1	11,1,11					<u> </u>	000001

Jan - Sept x 13	Breach of ELV	
Mar - Dec x 11	Trigger level reached	
	SELECT	
	SELECT	
Total number of		
incidents current		
year	3	3
Total number of	-	٦
incidents previous		
year	. 3	2
% reduction/		
increase	3% increase	ı

	Υ				Lic No:	W0071-02		Year	2015				
SECTION A-PRTR C	ON SITE WASTE TREATMENT AND	D WASTE TRANSFERS TA	B- TO BE COMPLETED	BY ALL IPPC AND \	WASTE FACILITIES	PRTR facility logon		dropdown li	st click to see options			_	
ECTION B- WAST	E ACCEPTED ONTO SITE-TO BE CO	OMPLETED BY ALL IPPC	AND WASTE FACILITIE	E\$		Addi	ditional Information	n					
Vere any wastes <u>accept</u> to be captured throug	ted onto your site for recovery or disposal (or treatment prior to recovery o	or disposal within the bound	daries of your facility ?; (w	vaste generated within your boundaries		100						
yes please enter detai						NO JEANS	dfill closed.						
id your site have any re	ejected consignments of waste in the curre	ent reporting year? If yes please	give a brief explanation in t	the additional information	ı	SELECT							
had													
	waste accepted onto your site that was ger of waste accepted onto your					te, as these will h	nave been re	ported in your P	RTR workbook)				
Licenced annual tonnage limit for your site (total tonnes/annum)	EWC code		Description of waste accepted Please enter an accurate and detailed description - which applies to relevant EWC code	Quantity of waste accepted in current reporting year (tonnes)	Quantity of waste accepted in previous reporting year (tonnes)	Reduction/ Increase over previous year +/ - fr		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 -		
	European Waste Catalogue EWC codes		European Waste Catalogue EWC codes										
												-	
												-	
												1	
						·						J	
	COMPLETED BY ALL WASTE FACIL					SITES]		_	
	COMPLETED BY ALL WASTE FACIL					SELECT							
s all waste processing in		nd approved by the Agency in pla	ace? If no please list waste p	processing infrastructure	required onsite							_	
all waste processing in all waste storage infra	nfrastructure as required by your licence an structure as required by your licence and a elevant nuisance controls in place?	nd approved by the Agency in place	ace? If no please list waste p	processing infrastructure	required onsite ed on site	SELECT SELECT						_	
all waste processing in all waste storage infra oes your facility have re o you have an odour m	ifrastructure as required by your licence an structure as required by your licence and a elevant nuisance controls in place? lanagement system in place for your facility	nd approved by the Agency in place	ace? If no please list waste p	processing infrastructure	required onsite ed on site	SELECT						_	
all waste processing in all waste storage infra- pes your facility have re pyou have an odour m pyou maintain a sludge	ifrastructure as required by your licence an structure as required by your licence and a elevant nuisance controls in place? lanagement system in place for your facility	nd approved by the Agency in place approved by the Agency in place y? If no why?	ace? If no please list waste p	processing infrastructure	required onsite ed on site	SELECT SELECT							
s all waste processing in all waste storage infra- ooes your facility have re to you have an odour m to you maintain a sludge	ifrastructure as required by your licence an structure as required by your licence and a elevant nuisance controls in place? nanagement system in place for your facility e register on site?	nd approved by the Agency in place approved by the Agency in place y? If no why?	ace? If no please list waste p	processing infrastructure	required onsite ed on site	SELECT SELECT							
s all waste processing in all waste storage infra- poes your facility have re to you have an odour m to you maintain a sludge SECTION D-TO BE (Table 2 Waste type	afrastructure as required by your licence and a structure as required by your licence and a elevant nuisance controls in place? nanagement system in place for your facility e register on site?	nd approved by the Agency in place approved by the Agency in place y? If no why?	ace? If no please list waste p	processing infrastructure	required onsite ed on site	SELECT SELECT							
all waste processing in all waste storage infractions on your facility have recoyou have an odour mo you maintain a sludge ECTION D-TO BE (able 2 Waste type)	afrastructure as required by your licence and a structure as required by your licence and a elevant nuisance controls in place? lanagement system in place for your facility e register on site? COMPLETED BY LANDFILL SITES CE and tonnage-landfill only Authorised/licenced annual intake for	approved by the Agency in place approved by the Agency in place y? If no why? ONLY Actual Intake for disposal in	ace? If no please list waste page 1 is a constant of the please list waste store a constant of the please list waste store a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste store page 1 is a constant of the please list waste store page 1 is a constant of the please list waste store page 1 is a constant of the please list waste store page 1 is a constant of the please list waste store page 1 is a constant of the please list waste store page 1 is a constant of the please list waste store page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please 1 is a constant of the	processing infrastructure raquire	required onsite ed on site	SELECT SELECT							
s all waste processing in all waste storage infra- to you have an odour moto you maintain a sludge section D-TO BE (Table 2 Waste type) Waste types permitted for disposal	afrastructure as required by your licence and a structure as required by your licence and a elevant nuisance controls in place? It is a structure as required by your licence and a elevant nuisance controls in place? It is a register on site? COMPLETED BY LANDFILL SITES Complete and tonnage-landfill only Authorised/licenced annual intake for disposal (tpa)	approved by the Agency in place approved by the Agency in place y? If no why? ONLY Actual Intake for disposal in	ace? If no please list waste page 1 is a constant of the please list waste store a constant of the please list waste store a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste store page 1 is a constant of the please list waste store page 1 is a constant of the please list waste store page 1 is a constant of the please list waste store page 1 is a constant of the please list waste store page 1 is a constant of the please list waste store page 1 is a constant of the please list waste store page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please 1 is a constant of the	processing infrastructure raquire	required onsite ed on site	SELECT SELECT							
s all waste processing in all waste storage infra- coes your facility have re co you have an odour m co you maintain a sludge SECTION D-TO BE (Table 2 Waste type Waste types permitted for disposal	afrastructure as required by your licence and a structure as required by your licence and a elevant nuisance controls in place? lanagement system in place for your facility e register on site? COMPLETED BY LANDFILL SITES CE and tonnage-landfill only Authorised/licenced annual intake for	approved by the Agency in place approved by the Agency in place y? If no why? ONLY Actual Intake for disposal in	ace? If no please list waste page 1 is a constant of the please list waste store a constant of the please list waste store a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste store page 1 is a constant of the please list waste store page 1 is a constant of the please list waste store page 1 is a constant of the please list waste store page 1 is a constant of the please list waste store page 1 is a constant of the please list waste store page 1 is a constant of the please list waste store page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please 1 is a constant of the	processing infrastructure raquire	required onsite ed on site	SELECT SELECT							
is all waste processing in all waste storage infra- coes your facility have re coo you have an odour moo you maintain a sludge SECTION D-TO BE Control of the afrastructure as required by your licence and a structure as required by your licence and a elevant nuisance controls in place? It is a structure as required by your licence and a elevant nuisance controls in place? It is a register on site? COMPLETED BY LANDFILL SITES Complete and tonnage-landfill only Authorised/licenced annual intake for disposal (tpa)	approved by the Agency in place approved by the Agency in place y? If no why? ONLY Actual Intake for disposal in	ace? If no please list waste page 1 is a constant of the please list waste store a constant of the please list waste store a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste store page 1 is a constant of the please list waste store page 1 is a constant of the please list waste store page 1 is a constant of the please list waste store page 1 is a constant of the please list waste store page 1 is a constant of the please list waste store page 1 is a constant of the please list waste store page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please list waste page 1 is a constant of the please 1 is a constant of the	processing infrastructure raquire	required onsite ed on site	SELECT SELECT SELECT SELECT SELECT	icence permits	Is there a separate cell for asbestos?		area occupied by	Lined disposal area occupied by waste	Unlined area		
s all waste processing in s all waste storage infra- coes your facility have re co you have an odour m co you maintain a sludge SECTION D-TO BE (Table 2 Waste type Waste types permitted for disposal	afrastructure as required by your licence and a structure as required by your licence and a elevant nuisance controls in place? anagement system in place for your facility a register on site? COMPLETED BY LANDFILL SITES Completed and tonnage-landfill only Authorised/licenced annual intake for disposal (tpa)	approved by the Agency in place approved by the Agency in place y? If no why? ONLY Actual intake for disposal in reporting year (tpa)	Remaining licensed capacity at end of reporting year (m3)	comments Private or Public	required onsite ed on site	SELECT SELECT SELECT SELECT SELECT Predicted date to Lic			Accepted asbestos in reporting	area occupied by	area occupied	Unlined area	

WASTE SUMMARY					Lic No:	W0071-02		Year	2015	
Table 4 Environme	ntal monitoring-landfill only	Landfill Manual-Monitoring S	tandards						****	
Was meterological monitoring in compliance with Landfili 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		Were emission limit values agreed with the Agency (ELVs)	Was topography of the site surveyed in reporting year	Has the statement under S53(A)(5) of WMA been submitted in reporting year	Comments		
* *									-	
.+ please refer to Landfill	Yes Manual linked above for relevant Landfi ndfill only	Yes Ill Directive monitoring standards	Yes 5	Yes	Yes	No	No	Landfill closed.	Τ .	
.+ please refer to Landfill Table 5 Capping-La	Manual linked above for relevant Landfi Indfill only			Area with waste that	Yes	No	No	Landfill closed.	T	
+ please refer to Landfill Table 5 Capping-La Ares uncapped*	Manual linked above for relevant Landfindfill only Area with temporary cap	II Directive monitoring standards		Area with waste that should be permanently	Yes	No	INO	Landfill closed.	T	
+ please refer to Landfill Table 5 Capping-La Ares uncapped*	Manual linked above for relevant Landfi Indfill only			Area with waste that	What materials are used in the cap	Comments	INO	Landfill closed.	T	
Table 5 Capping-La	Manual linked above for relevant Landfindfill only Area with temporary cap	Area with final cap to LD		Area with waste that should be permanently capped to date under licence	What materials are used in the cap		(No	Landfill closed.	T	
.+ please refer to Landfill Table 5 Capping-La Area uncapped*	Manual linked above for relevant Landfindfill only Area with temporary cap	Area with final cap to LD		Area with waste that should be permanently capped to date under licence	What materials are used in the cap An impermeable geocomposite layer,	Comments	(No	Landfill closed.	J	
.+ please refer to Landfill Table 5 Capping-La Area uncapped*	Manual linked above for relevant Landfindfill only Area with temporary cap	Area with final cap to LD		Area with waste that should be permanently capped to date under licence	What materials are used in the cap		(No	Landfill closed.	J	

^{*}please note this includes daily cover area

Table 6 Leachate-Landfill only

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

Volume of leachate in reporting year(m3)	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	Leachate (NH4) mass load (kg/annum)	Leachate (Chloride) mass load kg/annum	Leachate treatment on-site	Specify type of leachate treatment	Comments
				-		

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

Table 7 Landfill Gas-Landfill only

Gas Captured&Treated by LFG System m3	Power generated (MW / KWh)	Used on-site or to national grid	Was surface emissions monitoring performed during the reporting year?	Comments
6126		0 0	No	Due to trial to prove gas was migrating off site no gas flared until 16-12-15.



| PRTR# | W0071 | Facility Name : Marlinstown Landfill | Filename : W0071_2015PRTR xlsm | Return Year | 2015 |

Guidance to completing the PRTR workbook

PRTR Returns Workbook

REFERENCE YEAR 2015 1. FACILITY IDENTIFICATION Parent Company Name Westmeath County Council Facility Name Marlinstown Landfill PRTR Identification Number W0071 Licence Number W0071-02

Classes of Activity

No. class_name	
- Refer to PRTR class activities below	

	Marlinstown Bog
Address 2	Mullingar
Address 3	
Address 4	
	Westmeath
Country	
Coordinates of Location	
River Basin District	
NACE Code	
	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	
AER Returns Contact Email Address	
AER Returns Contact Position	
AER Returns Contact Telephone Number	
AER Returns Contact Mobile Phone Number	087 7958143
AER Returns Contact Fax Number	
Production Volume	
Production Volume Units	
Number of Installations	
Number of Operating Hours in Year	
Number of Employees	
	No gas was flared at the landfill for the majority of the year due to poor gas quality. Following an EPA inspection in early December the flare was serviced and the flare was ignited on the 16/12/15. Leachate was only removed from the site in January & February. The leachate pumps, delivery system and compressed air systems were serviced and repaired. However no improvement in leachate into the lagoon. Dye tests were carried out on the lagoon, nothing appeared. We still believe that the lagoon liner is leaking and are preparing contract documents for its repair.
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name	
5(a)	Installations for the recovery or disposal of hazardous waste	
5(c)	Installations for the disposal of non-hazardous waste	
50.1	General	
A COLVENTO DECLU ATIONS (O	111 740 (0000)	

3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)		
ls it applicable?		
Have you been granted an exemption ?		- 4 4
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# W0071 | Facility Name | Maitinstown Landfill | Filename | W0071 | 2015PRTR.xlsm | Return Year | 2015 |

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SECTION A: SECTOR SPECIFIC PRTR POLLUTANTS

	RELEASES TO AIR				Please enter all quantities	s in this section in KGs		
	POLLUTANT	METHOD				QUANTITY		
			Method Used					
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
01	Methane (CH4)	С	OTH	Calculated using gas sym	0.0	157360.0	0.0	157360.0
03	Carbon dioxide (CO2)	С	OTH	Calculated using gas sym	0.0	444845.0	0.0	444845.0
	* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button							

SECTION B: REMAINING PRTR POLLUTANTS

	RELEASES TO AIR		Please enter all quantities in this section in KGs								
	POLLUTANT		METHOD	QUANTITY			Υ				
No. Annex II	Annex II Name		Method Used d Code Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year				
		understand		0	0.0	0.0	0.0				

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

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

	RELEASES TO AIR	Please enter all quantities in this section in KGs								
	POLLUTANT	METH	HOD			QUANTITY				
Pollutant No.	Name	M/C/E Method Code	ethod 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
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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:

Marlinstown Landfill				_	
		Me	thod Used		
T (Total) kg/Year	M/C/E	Method Code	Designation or Description		
161710.0	С	ОТН	Gassim Lite 1.5	N/A	
4350.0	C	OTH	Calculated using av flow	0.0	(Total Flaring Capacity)
0.0				0.0	(Total Utilising Capacity)
157360.0	С	отн	Total minus flared	N/A	
)	T (Total) kg/Year 161710.0 4350.0 0.0	T (Total) kg/Year M/C/E 161710.0 C 4350.0 C 0.0	T (Total) kg/Year	T (Total) kg/Year M/C/E Method Code Designation or Description 161710.0 C OTH Gassim Lite 1.5 4350.0 C OTH Calculated using av flow 0.0	T (Total) kg/Year MiC/E Method Used Designation or per hour 161710.0 C OTH Gassim Lite 1.5 N/A 4350.0 C OTH Calculated using av flow 0.0

Sheet: Treatment Transfers of Waste AER Returns Workbook 24/3/2016 11:10

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

[PRTR# W0071] Facility Name | Marlinstown Landfill | Filename | W0071_2015PRTR xlsm | Return Year | 2015 |

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			Please enter a	all quantities on this sheet in Tonnes								3
			Quantity (Tonnes per Year)		Waste		Method Used		Haz Waste: Name and Licence/Permit No of Next Destination Facility Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination
	European Waste				Treatment		1	Location of				
Transfer Destination	Code	Hazardous		Description of Waste	Operation	M/C/E	Method Used	Treatment				
				landfill leachate other than those mentioned					Mullingar Waste Water	Clonmore, Mullingar, Co		
Within the Country	19 07 03	No	31.0	in 19 07 02	D8	C	Volume Calculation	Offsite in Ireland	Treatment Plant, D 0008 -01	Westmeath,Ireland		

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