

CARRICK-ON-SHANNON LANDFILL WASTE LICENCE 64-1

ANNUAL ENVIRONMENTAL REPORT

1.Reporting Period

1st January 2013 – 31st December 2013

2.Waste Activities Carried out at the Facility

Condition 5.1 of Waste Licence 64-1 states that no wastes shall be disposed of at the facility.

3.Quantity and Composition of Waste Received disposed of and recovered during the reporting period and each previous year.

No waste was received or disposed of at this facility as per condition 5.1 of Waste Licence 64-1.

4.Calculated Remaining Capacity of the Facility and the Year in which Final Capacity is expected to be reached.

This facility closed on the 24th May 2002 and the rehabilitation was substantially complete before the 31st December 2004.

5.Methods of Deposition of Waste

This facility closed on the 24th May 2002.

The construction and demolition waste used in the restoration of the activity was deposited using excavators, truck machines and dozers.

6.Summary Report on Emissions

The facility is closed since 2002.

7.Resource and Energy Consumption Summary

There was no resource or energy consumption associated with waste activities at this site during the reporting period. The facility is closed.

8.Proposed Development of the Facility and Timescale of such Development

Leachate Management System

The leachate management control system involves a leachate collection system which discharges by gravity to a sump on the Eastern side of the landfill where it

is pumped via a rising main to an existing foul sewer pumping station at "Oaklands" from where it is pumped to Carrick-on-Shannon wastewater treatment plant.

9. Report on restoration of the facility

Rehabilitation works at this facility are complete.

10. Volume of leachate produced and volume transported/discharged off-site

Not available

11. Report on development works undertaken during the reporting period, and a timescale for those proposed during the coming year.

The site is closed since 2002. Please see item 8 in relation to the leachate works.

12. Site survey showing existing levels of the facility at the end of the reporting period

Drawing NO. ENV/04/003 dated 20th September 2004 shows the outline of the mound and a typical cross section of the final shape of the covered landfill. This drawing was forwarded to the Agency on 25th October 2004.

13. Estimated annual and cumulative quantities of landfill gas emitted from the facility

Approval was granted by the EPA for a passive landfill gas venting system, as there were insufficient gas volumes to sustain a flaring system. Methane and Carbon Dioxide are measured in concentration % v/v. However it is not possible to obtain accurate flow data so as provide an estimate of annual and cumulative quantity of landfill gas emitted from the facility.

14. Estimated annual and cumulative quantity of indirect emissions to groundwater

No data available.

15. Monthly water balance calculation and interpretation

No data available. Site closed since 2002.

16. Full title and written summary of any restoration and monitoring procedures developed by the licensee in the year which relates to the facility operation

There were no new procedures developed during the reporting period.

Tank, pipeline and bund testing and inspection report

The installation of the leachate collection system and manholes has been constructed in accordance with the landfill design manual.

All pipeline works were checked and approved by Leitrim County Council Engineering Staff and supervised at all times by the site executive civil technician. There are no tanks or bunds at the facility.

12. Reported Incidents and Complaints Summaries

Leitrim County Council did not receive any complaints in relation to Carrick landfill during this AER reporting period and there were no reportable incidents in this period.

13. Review of Nuisance Controls

There have been no complaints during the reporting period in relation to nuisance from birds, rodents etc. at this facility.

Reports on financial provision made under this licence, management and staffing structure of the facility, and a programme for public information

Leitrim County Council has provided all finances to carry out the works required in the license for the rehabilitation of Carrick landfill to date. Budgetary provision has been made to allow for the monitoring of the facility in accordance with the requirements of the license.

Other items Specified by the Agency

There are no other items specified by the Agency for inclusion in this Report



Environmental Protection Agency

PRTR# : W0064 | Facility Name : Carrick On Shannon Landfill | Filename : W0064_2013.xlsm | Return Year : 2013

12/05/2014 12:14

Guidance to completing the PRTR workbook

AER Returns Workbook

Version 1.1.1.18

REFERENCE YEAR	2013
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1. FACILITY IDENTIFICATION

Parent Company Name	Leitrim County Council
Facility Name	Carrick On Shannon Landfill
PRTR Identification Number	W0064
Licence Number	W0064-01

Waste or IPPC Classes of Activity

No.	class_name
4.13	Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.
4.13	Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.
4.4	Recycling or reclamation of other inorganic materials
Address 1	Ballynamoney
Address 2	Carrick On Shannon
Address 3	
Address 4	
Country	Ireland
Coordinates of Location	-8 07998 53 9593
River Basin District	IEGBNISH
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Sean Scott
AER Returns Contact Email Address	sscott@leitrimcoco.ie
AER Returns Contact Position	Environmental Enforcement Officer
AER Returns Contact Telephone Number	071-9620005
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	1
User Feedback/Comments	none
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
5(a)	Installations for the recovery or disposal of hazardous waste
50.1	General

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

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

4. WASTE IMPORTED/ACCEPTED ONTO SITE

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

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities) ?	No
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This question is only applicable if you are an IPPC or Quarry site

4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

SECTION A: SECTOR SPECIFIC PRTR POLLUTANTS

POLLUTANT		METHOD			QUANTITY			
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
03	Carbon dioxide (CO2)	C	OTH	Landgem US EPA package 2005 version 3.2	672400.0	672400.0	0.0	0.0
01	Methane (CH4)	C	OTH	Landgem US EPA package 2005 version 3.2	245100.0	245100.0	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

POLLUTANT		METHOD			QUANTITY			
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

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

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

POLLUTANT		METHOD			QUANTITY			
Pollutant No	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

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

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:

Camck On Shannon Landfill

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

	T (Total) kg/Year	M/C/E	METHOD		Facility Total Capacity m3 per hour
			Method Code	Designation or Description	
Total estimated methane generation (as per site model)	245100.0	C	OTH	Landgem US EPA package 2005 version 3.2	N/A
Methane flared	0.0				0.0 (Total Flaring Capacity)
Methane utilised in engines	0.0				0.0 (Total Utilising Capacity)
Net methane emission (as reported in Section A above)	245100.0	C	OTH	Landgem US EPA package 2005 version 3.2	N/A

4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

SECTION A : PRTR POLLUTANTS

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

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

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

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

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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

Please enter all quantities on this sheet in Tonnes

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste Name and Licence/Permit No of Next Destination Facility	Non	Haz Waste 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 (e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY))
						Haz Waste Name and Licence/Permit No of Recover/Disposer			Non Haz Waste Address of Recover/Disposer					
Within the Country	19 07 03	No	3650.0	landfill leachate other than those mentioned in 19 07 02	D8	E	Volume Calculation	Onsite of generati	Leitrim County Council,D0154-01		Leitrim County Council,Aras an Chontae,Carrick-on-Shannon,Co. Leitrim,Ireland			

Click on the Description of Waste to edit or delete the entry

- [Link to previous years waste data](#)
- [Link to previous years waste summary data & percentage change](#)
- [Link to Waste Guidance](#)