

**CARRICK-ON-SHANNON LANDFILL WASTE  
LICENCE  
W0064-1**

**ANNUAL MONITORING ENVIRONMENTAL REPORT  
2015**

**1. Reporting Period**

1<sup>st</sup> January 2015 – 31<sup>st</sup> December 2015

**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 24<sup>th</sup> May 2002 and the rehabilitation was substantially complete before the 31<sup>st</sup> December 2004.

**5. 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.

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

Volume is estimated at 3650.0 tonnes per annum

**7. Report on restoration of the facility**

Rehabilitation works at this facility are complete.

**8. 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 5 in relation to the leachate works.

### **9. 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.

### **10. Estimated annual and cumulative quantity of indirect emissions to groundwater**

No data available. Please see attached spreadsheets and monitoring results, which trends concentration results for various parameters required to be monitored and analysed as per Waste Licence 64-1.

### **11. Monthly water balance calculation and interpretation**

No data available. Site closed since 2002.

### **12. 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.

### **13. Reported Incidents and Complaints Summaries**

Leitrim County Council did not receive any complaints in relation to Carrick landfill during this AER reporting period 2015 and there were no reportable incidents in this period.

### **14. 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**

The EO Groundwater report requested by the Agency is over-due. This report is currently under review by Leitrim County Council and it is being given priority by the Licensee. Once this report is reviewed, it is envisaged that additional works will be carried out at Carrick on Shannon Landfill Site

***This report should be with the Agency no later than the 15<sup>th</sup> July 2016.***



Environmental Protection Agency

(PRTR) (2004) Facility Name: Carrick On Shannon Landfill - Flanders  
 (2004) (2015) (2015) (2015)

[Guidance to completing the PRTR workbook](#)

# PRTR Returns Workbook

Version 1.0.10

<b>REFERENCE YEAR</b>	2015
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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

### Classes of Activity

No.	class_name
-	Refer to PRTR class activities below

Address 1	Ballynamoney
Address 2	Carrick On Shannon
Address 3	
Address 4	
Country	Leitrim
Country	Ireland
Coordinates of Location	-8.07996 53.9593
River Basin District	IEGBNISH
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Karina O Grady
AER Returns Contact Email Address	kogrady@leitrimcoco.ie
AER Returns Contact Position	Enforcement Officer
AER Returns Contact Telephone Number	071-9620005
AER Returns Contact Mobile Phone Number	00000000000
AER Returns Contact Fax Number	0719621982
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	
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?	
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)?	
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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](#)

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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

POLLUTANT		METHOD			Please enter all quantities in this section in KGs				
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)	C	OTH	Landgem US EPA package 2005 version 3.2		221800.0	221800.0	0.0	0.0
03	Carbon dioxide (CO2)	C	OTH	Landgem US EPA package 2005 version 3.2		608400.0	608400.0	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			Please enter all quantities in this section in KGs				
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			Please enter all quantities in this section in KGs				
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 figure 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: Please enter summary data on the quantities of methane flared and / or utilised	Camick On Shannon Landfill				
	T (Total) kg/Year	M/C/E	Method Code	Method Used Designation or Description	Facility Total Capacity m3 per hour
Total estimated methane generation (as per site model)	221800.0	C	OTH	Landgem	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)	221800.0	C	OTH	Landgem	N/A

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

[1997] [Waste] [Facility Name: Carrick On Shannon Landfill] [Region: W/64 2015] [Return Year: 2015]

18/07/2016 12:14

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	Haz Waste: Name and Licence/Permit No of Next Destination Facility	Non	Haz Waste: Address of Next Destination Facility	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						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	Offsite in Ireland	Carrick-on-Shannon Wastewater treatment facility Leitrim County Council.,D0154-01		Carrick-on-Shannon Wastewater treatment facility Leitrim County Council.,Attirory,Carrick-on-Shannon ,County Leitrim,Ireland		

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

[Link to previous years waste data](#)

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

[Link to Waste Guidance](#)