

**MOHILL LANDFILL WASTE LICENCE
W0065-1**

**ANNUAL MONITORING ENVIRONMENTAL REPORT
2015**

1. Reporting Period

1st January 2015 – 31st December 2015

2. Waste Activities carried out at the Facility

Condition 5.1 of Waste Licence W0065-1 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 W0065-1. Please see point 13 below.

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. 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 from where it is pumped to Mohill wastewater treatment plant.

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

A flow meter was installed for a short duration in 2015 and the extrapolated reading would indicate that 18250 Tonnes per annum of leachate were produced at Mohill Landfill Site

7. Report on restoration of the facility

Rehabilitation works at this facility are complete.

Mohill Landfill 2015

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. In July 2016, maintenance works are scheduled to take place in relation to the trees that started to grow on the landfill over the last number of years. Tree Surgeons have been appointed to cut the trees and treat all tree stumps –this should cease growth of all these trees and ensure protection of the landfill capping.

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 0065-1.

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 received a complaint in relation to Mohill landfill during this AER reporting period 2015. Waste soil and clay, and road finds were being deposited at the landfill site by the Local Authority Roads Department. A full investigation was carried out and all the waste was removed and dealt with accordingly.

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.

Other items Specified by the Agency

The EO Groundwater report requested by the Agency is over-due. This draft report is due to Leitrim County Council shortly for review and comment. This report is being given priority by the Licencee.

Once this report is received by Leitrim County Council and reviewed, it will be submitted to the Agency.

It is envisaged that additional works will be carried out at Mohill Landfill Site

This report should be with the Agency no later than the 29th July 2016.

APPENDIX I

SECTION A - SECTOR SPECIFIC PRTR POLLUTANTS		RELEASES TO AIR		Please enter all quantities in this section in KGs	
No. Annex II	POLLUTANT	METHOD	Emision Point 1	T (Total) KG/Year	F (Fugitive) KG/Year
	Name	M/C/E Method Code	Description	A (Accidental) KG/Year	
				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 AIR		Please enter all quantities in this section in KGs	
No. Annex II	POLLUTANT	METHOD	Emision Point 1	T (Total) KG/Year	F (Fugitive) KG/Year
	Name	M/C/E Method Code	Description	A (Accidental) KG/Year	
01	Methane (CH4)	C OTH	Landgrom US EPA package 2005 version 3.2	108200.0	0.0
03	Carbon dioxide (CO2)	C OTH	Landgrom US EPA package 2005 version 3.2	280000.0	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 No	POLLUTANT	METHOD	Emision Point 1	T (Total) KG/Year	F (Fugitive) KG/Year
	Name	M/C/E Method Code	Description	A (Accidental) KG/Year	
				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

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

Total estimated methane generation (as per site model)
Methane flared
Methane utilised in engines
Net methane emission (as reported in Section A above)

Methane Landfill	T (Total) kg/Year	Method Used	Designation or Description	Facility Total Capacity m3 per hour
	108200.0	C	Landgrom US EPA package 2005 version 3.2	N/A
	0.0	OTH		0.0 (Total Flaring Capacity)
	0.0			0.0 (Total Utilising Capacity)
	108200.0	C	Landgrom US EPA package 2005 version 3.2	N/A

For the purposes of the Methane Inventory and Greenhouse Gas Reporting Regulations, landfill operators are requested to provide summary data on landfill gas (methane) emissions from the site. This data should be reported in the form of 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:

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

Please enter all quantities on this sheet in Tonnes

Transfer Destination Within the Country	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 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 i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						Method Used	Method Used					
19 07 03	No	No	18250.0	landfill leachate other than those mentioned in 19 07 02	DB	C	Volume Calculation	Offsite in Ireland	Leitrim County Council .D0277-01	Moill, 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](#)