### MOHILL LANDFILL WASTE LICENCE W0065-1

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

### <u>6. Volume of leachate produced and volume transported/discharged</u> 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.

Mohill Landfill 2015

### 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 tot he 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





Guidance to completing the PRTR workbook

# **PRTR Returns Workbook**

REFERENCE YEAR 2015

FACILITY IDENTIFICATION
 Parent Company Name Leitrim County Council
 Facility Name Mohill Landfill
 Facility Name Mohill Landfill
 Facility Name World
 Excelling Name Woods
 Licence Number Woods-01

Classes of Activity

No. class\_name

- Refer to PRTR class ectivities below

		Web Address
		User Feedback/Comments
		Number of Employees
0	- 111	Number of Operating Hours in Year
0		Number of Installations
		Production Volume Units
0.0		Production Volume
	0719621982	AER Returns Contact Fax Number 0719621982
871817343		AER Returns Contact Mobile Phone Number
	0719620005	AER Returns Contact Telephone Number 0719620005
	Executive Technician	AER Returns Contact Position Executive Technician
	kogrady@łeitrimcoco.ie	AER Returns Contact Email Address kogrady@leitrimcoco.ie
	Karina O Grady	AER Returns Contact Name Karina O Grady
on-hazardous waste	Main Economic Activity Treatment and disposal of non-hazardous waste	Main Economic Activity
0.00	3821	NACE Code 3821
	GBNIIENW	River Basin District GBNIIENW
	-7,8642 53,9265	Coordinates of Location -7,8642 53,9265
	Ireland	Country Ireland
	Leitrim	
The second secon		Address 4
		Address 3
	Mohill	Address 2 Mohil
	Address 1 Tullybardan	Address 1

## 2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
50.1	General
50.1	General

(S.I. No. 543 of 2002)	is it applicable?	ited an exemption ?	y class applies (as per	of the regulations) ?	pliance route being	1 cod 2
3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)	printer and the same	Have you been gran	If applicable which activity c	Schedule 2 of the n	Is the reduction scheme compilance route being	

## 4. WASTE IMPORTED/ACCEPTED ONTO SITE

		1
F	Sal	3
ž	8	8
22	暑	를
Ste	5	퓽
DOL	/eny	64
onto y	1000	
waste o	either	
rVaccept	reatment	
impo	site t	
70F		
8		

This question is only applicable if you are an IPPC or Quarry site

Guidance on waste imported/accepted onto site

# 4.1 RELEASES TO AIR

	RFLEASES TO AIR		Please enter all quantities it	n this section in KGs		
	POLITIANT	METHOD		0	UANTITY	
	2	Method Used			The County County	
No Appeal	seraz	MIC/E Method Code Designation or Description	Emission Point 1	(Total) KG/Year	(Accidental) KG/Year	F (Fugitive) KG/Year
The state of the s			0.0	0.0	0.0	0.0

			Dago Dollagui				
Il vega on	Summa	M/C/E Method Code	M/C/E Method Code Designation or Description	Emission Point 1 T (Total) KG/Year   A (Accidental) KG/Year   F (Fugitive) KG/Year	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
TOTAL STREET				0.0	0.0	0.0	0.0
				The state of the s			
	* Select a row by double-clicking on the Pollukari Nama (Column B) then click the delete button						
SECTION B. REMAINING PRIR POLLUTANTS	MTS						
The same of the sa	RELEASES TO AIR			Please enter all quantities	in this section in KGs	The same and the same of the same of	The second second
	POLLUTANT	ME	METHOD		The second secon	QUANTITY	
			Method Used			1000000	
No Annex II	emsN	M/C/E Method Code	Designation or Description	Emission Point 1 T (Total) KG/Year A (Accidental) KG/Year F (Fugitive) KG/Year	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
		-	Landgem US EPA				
100	Methane (CH4)	С ОТН	package 2005 version 3.2	108200.0	108200.0	0.0	0'0
			Landgem US EPA				
	COO office it and the Cooperation of the Cooperatio	D OTH	package 2005 version 3.2	296900.0	296900.0	00	0.0

	RFI FASES TO AIR		Please enter all quantities in thi	s section in KGs		
	POLLUTANT	METHOD		QUANTIT	TITY	100 A 100 A
		Method Used				
Dollertant No.	and a	MUC/E Method Code Description or Description	Emission Point 1 T (Total)	tal) KG/Year A (Accid	dental) KG/Year   F	(Fugilive) KG/Yea

For the purposes of the National Inventory on Greenhous flared or utilised on their backless to accompany the figure to the environment under Titotall KOlyr for Section A. Set Landfill:	For the purposes of the Netional Inventory on Orombouse Greek, Lendill aperations are requested to provide aumany data on transfell gar (Methous) from the purposes of the Netional Note of the Inventory of the original for the Netional Note of the Inventory of t				
Please enter summary data on the quantities of methans flared and or utilised			Mo	Method Used	
	T Gobal kolyany	M/C/E	Method Code	Designation or	Facility Total ( m3 per h
Total estimated methane generation (as per	108200.0		OTH	Landgem US EPA package 2005 version 3.2	NIA
Methane flared	0.0				
Methane ubised in enone/s	0.0		3		
Net methane emission (as reported in Section	108200	D DTH	OTH	Landgem US EPA	AVA

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE
Please enter all quantities on this sheet in Tonnes.

		Please enter all quanti	all quantities on this sheet in Tonnes							
		Quantity (Tonnes per Year)			Method Used		Haz Waste Name and Licencerfermin No of Next Destantion Facility of Nat Haz Waste, Name and Licence/Formin No of Rocovert/Disposer	Haz Waste Address of Next Destration Facility Non Haz Waste, Address of Recover/Disposer	Haz Wasie Address of Next Name and License / Permit No and Address of Final Destriation Facility No Address of Final Destriation Facility No Address of Final Destriation Processor (HAZARDOUS WASTE (HAZARDOUS WASTE (HAZARDOUS WASTE (HAZARDOUS WASTE (MAZARDOUS WA	Address of Final Destration Address of Final Destration Address of Final Destration Espacer (HAZARDOUS WASTE ONLY) (HAZARDOUS WASTE ONLY)
				Waste						
European Waste	Vaste			Treatment		Location of				
Transfer Destination Code	Hazardous	y)	Description of Waste	Operation   M/C	Operation   WC/E   Method Used	Treatment				
Within the Country 19 07 03	No	18250.0	landfill leachate other than those mentioned 18250.0 in 19 07 02	D8 C	Leitrim Cou Volume Calculation Offsite in Ireland , D0277-01	Offsite in Ireland	Leitrim County Council ,D0277-01	Mohill,County Leitrim,Ireland		

Link to previous years waste data Link to previous years waste summary data & percentage change Link to Waste Guidance