



PWLLFAWATKIN LANDFILL SITE

VARIATION NOTICE NUMBER: YP3333MK

PERMIT NUMBER: BU8819IV

PWLLFAWATKIN ANNUAL MONITORING REPORT

1ST JANUARY 2021 – 31ST DECEMBER 2021

January 2022



Author	Approval	Subject	Date	Status
Paul Sebastian Rabiega	Martin Greaves	Pwllfawtkin Annual Performance Report 2021	January 2022	

4.2.1 (b) Annual improvement targets

FCC Environment																		Working Towards Target	
Objectives and Targets Action Plan																		On Target	
																		Not on Target	
Site / Contract Name: Pwllfawtkin 2021																			
Obj Ref	Origin of O&T Corporate Regional Site	Objective	Supporting Action Plan	Owner	Target Date	Status												Review Comments	
						Q1 Jan	Feb	Mar	Q2 April	May	Jun	Q3 July	Aug	Sep	Q4 Oct	Nov	Dec		
HEALTH & SAFETY																			
1	Site	Riddor	Target is not to have a riddor in 2021	All site staff	31/12/2021	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	no riddor	
2	Site	Days off due to injury	10% reduction on 2020 figueres	All site staff	31/12/2021	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	no days off due to injury	
3	Site	Site safety	Update control of contractors and Traffic management	RT	31/12/2021	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target		
4	Site	Team brief meetings	Site meetings to be held monthly and to include health and safety	RT	31/12/2021	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	up to date	
ENVIRONMENT																			
5	Site	Permit breaches	10 % in permit breaches from year before	RT	31/12/2021	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	Working To	Working To	Working To	Working To	11B fails on a regular basis, trying to vary the permit	
6	Site	Leachate legacy	10%reduction in leachate legacy	ALL site staff	31/12/2021	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	leachate 100%	
	Site	CCS score	10% reduction in ccs score	All site staff	31/12/2021	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	no score to date	
7	Site	Energy usage	1% reduction in energy usage	All site staff	31/12/2021	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target		
QUALITY																			
8	Site	IMS major ncrrs	No Overdue major NCRs	RT	31/12/2021	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target		
9	Site	Auditing	No Overdue major NCRs	RT	31/12/2021	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target	On Target		
10	Site	IMS compliance target	Achieve 90%on first audit and Achieve 95% in first revisit	RT	31/12/2021	Working Tow	Working To	Working To	Working To	Working To	Working To	Working To	Working To	Working To	Working To	Working To	On Target	Achieved 93%	
6																			
IMS-FRM-244 Rev 1.0 Last Reviewed 1/07/2021																			

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The information contained within this report is submitted in accordance with Condition 4.2.1 of the Permit BU8819IV, relating to the performance of the activities over the previous year, 2021.

4.2.1 (c) Energy consumed at the site (d) Water consumed at the site

Table S4.1 Energy and water consumed at the site.

Parameter	Frequency of assessment	Annual total	Unit
Potable water use	Annually	1,835	Cubic metres
Energy used (including for leachate treatment)	Annually	60.0	MWh of electricity
Non potable water use	Annually	2,891	Cubic metres

4.2.1 (e) Annual production/treatment

Table S4.2 Annual production/treatment.

Leachate: Disposed of off site; Disposed of to any onsite effluent treatment plant; Recirculated into the waste mass.	Cubic meters/year 24,050 0 0
Surface water and/ or groundwater: Disposed of off site; Disposed of to any onsite effluent treatment plant.	Cubic meters/year Not recorded 0
Landfill gas: Combustion in flares; Combustion in gas engines; Other methods of gas utilisation.	Normalised cubic meters/year 1,665,513 3,880,600 None

4.2.1 (f) Contamination or decontamination of the site

There was no contamination nor decontaminator of site during the year 2021.

4.2.1 (g) Topographical surveys required by condition 3.6.3

states 'A topographical survey of the site referenced to ordnance datum shall be carried out:

- (a) annually, and
- (b) prior to the disposal of waste in any cell or new development area of the landfill, and
- (c) following closure of the landfill or part of the landfill.

SITE	ANNUAL PLAN DRAWING REFERENCE
Pwllfawtkin	479A475 (Plan 2) – Annual Site Plan

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4.2.1 (h) Volumetric difference (reported in cubic metres) between the most recent topographical survey and the previous annual topographical survey

VOLUMETRIC DIFFERENCE as at 31/12/21
81, 236 m ³

4.2.1 (i) Assessment of the settlement behavior of the landfill body

Settlement monitoring points have been established on the restored areas of the site to ensure settlement behaviour of the waste in the landfill site is recorded.

The selected points will be monitored at a minimum time period of once a year, but it is envisaged that the frequency is likely to increase to three times a year in newly capped areas. For reference purposes the settlement monitoring point locations will be marked on the “Settlement Monitoring Plan” as listed below.

SITE	ANNUAL PLAN DRAWING REFERENCE
Pwllfawatkin	479A473 (Plan 04B) – Settlement Monitoring Plan

4.2.1 (j) Calculation of the remaining capacity (reported in cubic metres)

DATES OF CALCULATION	REMAINING CAPACITY (m ³)
31/12/2021	124, 560

4.2.1 (k) Compliance testing undertaken in the period

There has been no compliance testing being undertaken on site in 2021.

Paul Sebastian Rabiega
Compliance Advisor
January 2022



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