

# WALLEYS QUARRY KPI REPORT



Date of Report: September 2024				
Landfill Operations		Information	Measurement	Summary and Actions (Additional Document Reference as applicable)
KPI 1	WASTE ACCEPTANCE	Non-conformance raised with waste operator	CCS score(s) including summary and actions.	0 Non-conformance raised with operator. 0 CCS scores received
KPI 2		No of loads inspected.	each	1386 loads received. 1386 loads inspected.
Landfill Operations		Information	Measurement	Summary and Actions (Additional Document Reference as applicable)
KPI 3	ODOUR MANAGEMENT	Non-conformance raised with waste operator	CCS score(s) including summary and actions.	0 Non-conformance raised with operator. 0 CCS scores received. 0 non conformances identified.
KPI4		No of odour tours  No of odour tours where odour detected off site		59 tours  4 external odours.
Landfill Operations		Information	Measurement	Summary and Actions (Additional Document Reference as applicable)
KPI 5	ACTIVE TIPPING AREA	Operational Surface area total	m3	129,769m2
KPI 6	ACTIVE TIPPING AREA	Active tipping area	m3	19,572m2
Landfill Operations		Information	Measurement	Summary and Actions (Additional Document Reference as applicable)
KPI 7	CAPPING OF OPERATION AREA	Temporary capping	m3	Temporary Capping 29,811m,2 (23%)
		Permanent capping	m3	Permanent Capping 65,388m2 (50%)
				Total Capped area 95,199m2 (73%)
Landfill Operations		Information	Measurement	Summary and Actions (Additional Document Reference as applicable)
KPI 8	LANDFILL GAS MANAGEMENT	Surface & Gas infrastructure emission surveys	Number of remaining matters open in the month	0
KPI 9	LANDFILL GAS MANAGEMENT	Concentration of Hydrogen Sulphide in 'raw' bulk gas	ppm	1,653ppm – recorded from CLP H2S GUP input data

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<b>KPI 10</b>	<b>LANDFILL GAS MANAGEMENT</b>	Landfill Gas capture rate (monitored at the GUP)	m3/hr	3,503 m3/hr - averaged across period
<b>KPI 11</b>	<b>LANDFILL GAS MANAGEMENT</b>	Appendix A LGMP Gas Management Plan (live document)	Progress including summary and actions	See explanatory notes
Landfill Operations		<b>Information</b>	<b>Measurement</b>	<b>Summary and Actions (Additional Document Reference as applicable)</b>
<b>KPI 12</b>	<b>LEACHATE MANAGEMENT ACTION PLAN</b>	Actions (13 actions)	Progress including summary and actions	See explanatory notes.
Landfill Operations		<b>Information</b>	<b>Measurement</b>	<b>Summary and Actions (Additional Document Reference as applicable)</b>
<b>KPI 13</b>	<b>PRIMARY REGULATOR</b>	Compliance Assessments Visits	Number undertaken for which CAR form issued to operator	Three visits within the period:  5 <sup>th</sup> August 2024 DP3734C/0514920 6 <sup>th</sup> August 2024 DP3734C/0514923 15 <sup>th</sup> August 2024 DP3734C/0516045
<b>KPI 14</b>	<b>PRIMARY REGULATOR</b>	Compliance Assessments Visits	Number Undertaken where a CCS score is raised with operator, including summary and actions	3 regulatory compliance assessments undertaken which resulted in no compliance assessment scores – see explanatory notes.
<b>KPI 15</b>	<b>PRIMARY REGULATOR</b>	Compliance Assessments Visits	Number Undertaken where no CCS score is raised with operator, including summary and actions	3 regulatory compliance assessments undertaken which resulted in 0 compliance assessment scores

## Date of Explanatory Notes: August 2024

### KPI 1 and KPI 2 Waste Acceptance

No non-conformances have been received from the regulator within the period.

1,386 loads inspected within the period, with 0 loads rejected.

### KPI 3 and KPI 4 Odour Management

No non-conformances have been received from the regulator within the month, with three site regulatory inspections/reviews undertaken. CAR reports for site visits confirm that no offsite odours were detected by Environment Agency officers. This was reported to WQL contemporaneously with the observation. The Agency assessments cover a wide scope of permit conditions including engineering, containment, operational activities, landfill gas management, odour and pest management.

59, odour tours conducted by WQL, with 4 reflecting odour experienced. Contemporaneously with these odour tours, checks on the gas collection and treatment infrastructure, site engineering and operations and local weather factors were reviewed to ensure all appropriate actions were being undertaken. No non-conformances were identified during these times. And all appropriate actions were being taken.

### KPI 5 and 6 Active Tipping Area

The overall current landfill is 129,769 m<sup>2</sup>. The active area is confined to Cell 2. The current active area remains contained and measures some 19,572 m<sup>2</sup>. This is aligned with the approved capping and phasing plan, as agreed with the Environment Agency. The active operational area is progressively covered during the day to minimise the time that fresh waste remains uncovered. This is in line with best practice and our operating techniques. We retain healthy stockpiles of cover material to facilitate this progressive covering.

### KPI 7 Temporary Capping

Currently, 29,811 m<sup>2</sup> of the surface area of the facility is temporarily capped, either using a high specification, low permeability engineering clay. This is in line with the capping and phasing plan for the facility, as agreed with the Environment Agency. Maintenance works continue to clay capped areas in line with the agreed (by the Environment Agency) CQA (Construction Quality Assurance) specifications.

During August WQL placed an additional approximately 8,700 m<sup>3</sup> of both temporary capping, as detailed in the current CPP site management plan.

### Permanent Capping

Relating to permanent capping, 65,388 m<sup>2</sup> of the surface area of the facility is capped, by the installation of a low permeability geomembrane.

### KPI 8 - 10 Landfill gas management

WQL continues to undertake the extensive regime of surface emission surveys, as agreed with the Environment Agency. A, FID survey was conducted in July 2024.

The concentration of H<sub>2</sub>S at the facility remains within expected limits and in June, averaging 1,653 ppm at the Gas Utilisation Plant (GUP), as measured by CLP Envirogas Ltd and representing a reduction on the previous period.

The volume of gas captured at the facility remains within expected volumes, at 3,503m<sup>3</sup>/hr, comparable with the previous period. The flow rate has remained high and consistent across the period. WQL continue to review this position and drive the gas management contractor, CLP Envirogas Ltd, to ensure that gas collection is continually reviewed to assess relevant developments that can be made.

In early August CLP had 3 new gas wells drilled, installed and connected on site with future installations being planned.

### KPI 11 Landfill Gas Management - Landfill Gas Management Plan

The LFGMP continues to be developed by WQL and adopted by CLP Envirogas Ltd. From Appendix A of this document, three actions remain open and in progress, namely:

Site Specific Balancing Plan – this is being developed by WQL, in conjunction with the Environment Agency and CLP Envirogas Ltd. A draft has been received and is being reviewed, prior to agreement and submission to the Environment Agency.

Regular monitoring, requested by the Environment Agency of CLP Envirogas Ltd continues and is likely to remain in place.

Installation of horizontal wells in active operational areas continues as the site develops, in line with the approved LFGMP.

The LFGMP has been reviewed and issued to the Environment Agency, with comments received from the regulator on 2 June 2023 following the submission on 15 January 2023. The draft LFGMP has been discussed with NuLBC and was submitted to the Environment Agency on 14 August 2023 for approval, with further comments received 6 October. A meeting to discuss the LFGMP was undertaken on 18 October 2023 with the EA, with a further submission made 22 January 2023. Further submissions have been made through 2024, with the latest version submitted 21/7/2024. This document remains fundamentally comparable to the submission of 15 January 2024. It awaits approval from the EA.

### KPI 12 Leachate Management Plan

In relation to the LMP, an addition 5 leachate wells have been successfully installed into the WQ facility. These have been installed utilising steel casing, increasing the robustness of the installed infrastructure to settlement and compaction of waste. replacement leachate wells at the facility.

A pump-trial plan, agree to be conducted as part of the LMP submission has been agree with the EA and will be commenced through Q1 2024.

KPI 13- 15

## **5<sup>th</sup> August 2024 DP3734DC/0514920**

General site visit undertaken following on from a fire on site Sunday 4<sup>th</sup> August. No compliance scores received.

## **6<sup>th</sup> August 2024 DP3734DC/0514923**

Pre-arranged Engineering, amenity, waste containment and capping.

Prior to the meeting the agency officers completed an off-site odour tour, the following locations were visited with no landfill gas, fresh waste or burning odour detected, Keele University, MMF 9 Galingale View, Orme Rd, Ironbridge Drive, Ellams Place, Church View, Tegew Place and Cemetery Rd.

## **15<sup>th</sup> August 2024 DP3734DC/0516045**

Unannounced site inspection to assess general compliance with permit conditions.

Prior to entering site, the Agency officers conducted an offsite odour tour, visiting the following locations with no landfill gas, fresh waste or burning odour were detected, Keele University, MMF 9 Galingale View, Ironbridge Drive, Ellams Place, Racecourse and Church View.