

WALLEYS QUARRY KPI REPORT



Date of Report: March 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.
		No of loads inspected.	each
KPI 2			0 Non-conformance raised with operator. 0 CCS scores received
			998 loads received. 998 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.
KPI 4		No of odour tours	
		No of odour tours where odour detected off site	
			0 Non-conformance raised with operator. 0 CCS scores received. 0 non conformances identified.
			53 tours
			8 external odours.
Landfill Operations	Information	Measurement	Summary and Actions (Additional Document Reference as applicable)
KPI 5	ACTIVE TIPPING AREA	Operational Surface area total	m ³
KPI 6	ACTIVE TIPPING AREA	Active tipping area	m ³
			127,066 m ²
			14,142 m ²
Landfill Operations	Information	Measurement	Summary and Actions (Additional Document Reference as applicable)
KPI 7	CAPPING OF OPERATION AREA	Temporary capping	m ³
		Permanent capping	m ³
			Temporary Capping 50,082 m ²
			Permanent Capping 55,237 m ²
			Total Capped area 105,319 m ²
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
KPI 9	LANDFILL GAS MANAGEMENT	Concentration of Hydrogen Sulphide in 'raw' bulk gas	ppm
			0
			1,951 ppm – recorded from CLP H2S GUP input data

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KPI 10	LANDFILL GAS MANAGEMENT	Landfill Gas capture rate (monitored at the GUP)	m3/hr	3,644 m3/hr - averaged across the period and increasing.
KPI 11	LANDFILL GAS MANAGEMENT	Appendix A LGMP Gas Management Plan (live document)	Progress including summary and actions	See explanatory notes
Landfill Operations		Information	Measurement	Summary and Actions (Additional Document Reference as applicable)
KPI 12	LEACHATE MANAGEMENT ACTION PLAN	Actions (13 actions)	Progress including summary and actions	See explanatory notes.
Landfill Operations		Information	Measurement	Summary and Actions (Additional Document Reference as applicable)
KPI 13	PRIMARY REGULATOR	Compliance Assessments Visits	Number undertaken for which CAR form issued to operator	Three visits within the period: 1 st March DP3734DC/0497401 18 th March DP3734DC/0500961 27 March – no CAR issued to date
KPI 14	PRIMARY REGULATOR	Compliance Assessments Visits	Number Undertaken where a CCS score is raised with operator, including summary and actions	0 regulatory compliance assessments undertaken which resulted in a compliance assessment score – see explanatory notes.
KPI 15	PRIMARY REGULATOR	Compliance Assessments Visits	Number Undertaken where no CCS score is raised with operator, including summary and actions	2 regulatory compliance assessments undertaken which resulted in 0 compliance assessment scores.

Date of Explanatory Notes: March 2024

KPI 1 and KPI 2 Waste Acceptance

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

998 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 two site regulatory inspections/reviews undertaken. CAR reports (0497401 and 0500961) for site visits demonstrate no substantiated odour. This was reported to WQL contemporaneously with the observations. The Agency assessments cover a wide scope of permit conditions including engineering, containment, operational activities, landfill gas management, odour and pest management.

53 odour tours conducted by WQL, with 8 reflecting potential odours 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 127,066m². The active area is confined to Cell 2. The current active area remains contained and measures some 14,142 m². 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, 50,082 m² 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 and an increase on the previous period. Maintenance works continue to clay capped areas in line with the agreed (by the Environment Agency) CQA (Construction Quality Assurance) specifications.

During the period following on from the Suspension Notice served by the EA a further (approx.) 15,500 M² which had previously been temporarily capped with low permeability engineering clay, was overlaid with low permeability geomembrane.

Permanent Capping

Relating to permanent capping, 55,237m² of the surface area of the facility is capped, by the installation of a low permeability geomembrane. This is in line with the capping and phasing plan for the facility, as agreed with the Environment

Agency with all permanent capping works being conducted under the process of Construction Quality Assurance (CQA). Subsequently, on completion of the permanent capping works, cover soils continue to be imported to the facility as part of the site restoration process.

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 March 2024.

The concentration of H₂S at the facility remains within expected limits and in March, averaging 1,951 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 limits, at 3,644m³/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.

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. During March a further 2 horizontal and 14 pin wells were installed.

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. Discussions have been held with the EA to facilitate approval of the LFGMP. Further comments received by WQL for consideration, which should see approval of the plan.

The EA guidance relating to landfill operations has been updated and varies significantly in key areas. This has the potential to impact the approval of the LFGMP amongst other plans submitted to the EA by WQL which it is seeking

approval. A request to clarify the position and the potential on-impact has been made to 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.

KPI 13- 15

1st March 2024 – CAR report 0497401

General site visit undertaken. No compliance scores received:

18th March 2024 – CAR report 0500961

27th March 2024 – CAR report not issued.