

WALLEYS QUARRY KPI REPORT



Date of Report: 7-12-23				
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	1626 loads received. 1626 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		65 tours 0 external odours.
Landfill Operations		Information	Measurement	Summary and Actions (Additional Document Reference as applicable)
KPI 5	ACTIVE TIPPING AREA	Operational Surface area total	m3	127,066m2
KPI 6	ACTIVE TIPPING AREA	Active tipping area	m3	24,934m2
Landfill Operations		Information	Measurement	Summary and Actions (Additional Document Reference as applicable)
KPI 7	CAPPING OF OPERATION AREA	Temporary capping	m3	Temporary Capping 26,571m,2
		Permanent capping	m3	Permanent Capping 55,700m2
				Total Capped area 82,271m2
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	1,934ppm – 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	2,990m3/hr - averaged across period
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	<p>Four visits within the period:</p> <p>8th November 2023 – DP3734DC/0481216</p> <p>21st November 2023 – DP3734DC/0482454</p> <p>22nd November 2023 – DP3734DC/ Not issued.</p> <p>30th November 2023 – DP3734DC/Not issued.</p>
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. Awaiting CAR reports on a further 2 assessments.

Date of Explanatory Notes: November 2023

KPI 1 and KPI 2 Waste Acceptance

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

1626 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 four site regulatory inspections/reviews undertaken. CAR reports for site visits confirm no direct offsite odour detected by Environment Agency officers. The Agency assessments cover a wide scope of permit conditions including engineering, containment, operational activities, landfill gas management, odour and pest management.

65 odour tours conducted by WQL, with 65 reflecting no 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 24,934m². 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, 26,571m² of the surface area of the facility is temporarily capped, either using a high specification, low permeability engineering clay or an installed geomembrane. 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.

Permanent Capping

Relating to permanent capping, 55,700m² 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 September 2023.

The concentration of H₂S at the facility remains within expected limits and in January, averaging 1,934ppm 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 2,990m³/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.

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 and WQL are looking to submit the updated LFGMP to the Environment Agency by 22 December 2023.

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. The works are scheduled to conclude in late October.

KPI 13- 15

8 November 2023

0481216 – General unannounced inspection of the facility. No compliance scores received.

21 November 2023

0482454 - General unannounced inspection of the facility. No compliance scores received.

22 November 2023

Not issued

30 November 2023

Not issued