

# WALLEYS QUARRY KPI REPORT



Date of Report: 6-11-23			
Landfill Operations	Information	Measurement	Summary and Actions (Additional Document Reference as applicable)
<b>KPI 1</b>	<b>WASTE ACCEPTANCE</b>	Non-conformance raised with waste operator	CCS score(s) including summary and actions.
			0 Non-conformance raised with operator. 0 CCS scores received
<b>KPI 2</b>		No of loads inspected.	each
			1695 loads received. 1695 loads inspected.
Landfill Operations	Information	Measurement	Summary and Actions (Additional Document Reference as applicable)
<b>KPI 3</b>	<b>ODOUR MANAGEMENT</b>	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.
<b>KPI4</b>		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)
<b>KPI 5</b>	<b>ACTIVE TIPPING AREA</b>	Operational Surface area total	m3
			122,238m2
<b>KPI 6</b>	<b>ACTIVE TIPPING AREA</b>	Active tipping area	m3
			24,267m2
Landfill Operations	Information	Measurement	Summary and Actions (Additional Document Reference as applicable)
<b>KPI 7</b>	<b>CAPPING OF OPERATION AREA</b>	Temporary capping	m3
		Permanent capping	m3
			Temporary Capping 25,765m,2 (21%)  Permanent Capping 55,700m2 (46%)  Total Capped area 81,465m2 (67%)
Landfill Operations	Information	Measurement	Summary and Actions (Additional Document Reference as applicable)
<b>KPI 8</b>	<b>LANDFILL GAS MANAGEMENT</b>	Surface & Gas infrastructure emission surveys	Number of remaining matters open in the month
			0
<b>KPI 9</b>	<b>LANDFILL GAS MANAGEMENT</b>	Concentration of Hydrogen Sulphide in 'raw' bulk gas	ppm
			1,648ppm – recorded from CLP H2S GUP input data

KPI 10	LANDFILL GAS MANAGEMENT	Landfill Gas capture rate (monitored at the GUP)	m3/hr	3,097m3/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	Two visits within the period:  2 <sup>nd</sup> October 2023 – DP3734DC/0476949  26 <sup>th</sup> October 2023 – DP3734DC/
KPI 14	PRIMARY REGULATOR	Compliance Assessments Visits	Number Undertaken where a CCS score is raised with operator, including summary and actions	1 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	1 regulatory compliance assessments undertaken which resulted in 0 compliance assessment scores

## Date of Explanatory Notes: October 2023

### KPI 1 and KPI 2 Waste Acceptance

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

1695 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 confirming 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 122,238m<sup>2</sup>. The active area is confined to Cell 2. The current active area remains contained and measures some 24,635m<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, 25,765m<sup>2</sup> 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, 55,700 m<sup>2</sup> 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). Areas of additional capping, completed in September are being accurately measured and will be reported 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. T

The concentration of H<sub>2</sub>S at the facility remains within expected limits and in October, averaging 1,648ppm at the Gas Utilisation Plant (GUP), as measured by CLP Envirogas Ltd and representing a small increase on the previous period.

The volume of gas captured at the facility remains within expected limits, at 3,097m<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.

### **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. WQL has requested a meeting with the Environment Agency to discuss the points raised, which will be supported by an external, independent expert consultant, specialising in this area of expertise.

### **KPI 12 Leachate Management Plan**

In relation to the LMP, a specialist drilling contractor has been obtained and the work (well drilling and installation) commenced in late August 2023. This will see the installation of 5 replacement leachate wells at the facility. The works are scheduled to conclude in late October.

### **KPI 13- 15**

#### **2<sup>nd</sup> October 2023**

0476949 – general site inspection and engineering review. CCS2 score received, relating to a administrative variation between the CQA submission and operational activity. Discussions are ongoing with Environment Agency.

## WALLEYS NuLBC KPIs Explanatory Notes



**26th October 2023**

No CAR received to date. – general site inspection. No compliance scores received.