

Date of Explanatory Notes: August 2023

KPI 1 and KPI 2 Waste Acceptance

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

1712 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.

61 odour tours conducted by WQL, with 61 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 122,238m². The active area is confined to Cell 4 and 2. The current active area remains contained and measures some 14,032m². 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, 19,640m² 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, 50,335 m² 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). 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 July 2023.

The concentration of H₂S at the facility remains within expected limits and in January, averaging 1,762ppm 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 3245m³/hr, an increase on 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.

An additional 13 vertical gas wells were installed at the facility in August 2023.

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. It is not anticipated that its approval will be unduly delayed.

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 September.

KPI 13- 15

10 August 2023

0471278 – no compliance scores received, and no odours identified by the Environment Agency.

21 August 2023

0471954 – sign-off of sidewall engineering. no compliance scores received.

28 August 2023

0472621 – no compliance scores received, and no odours identified by the Environment Agency.