

Date of Explanatory Notes: April 2023

KPI 1 and KPI 2 Waste Acceptance

No non-conformances have been received from the regulator within the month. Acceptance procedures under review by the Environment Agency, through the undertaking of an audit in cooperation with WQL, including upstream audits of waste processing sites supplying residues to the landfill business sector. An enforcement notice and associated CAR report has been received outside of the reporting period in May 2023. These are under review by WQL, with the support of external, specialist consultants and a response will be issued in due course.

Waste acceptance carried out in accordance with (Environment Agency) agreed preacceptance and acceptance protocols. 1462 loads were inspected within the period and no loads rejected.

Pre-acceptance/acceptance procedures reviewed by WQL to adopt the updated Environment Agency guidance relating to domestic seating disposal, including updated producer information and relevant declarations received. Updated preacceptance and acceptance procedures now active.

KPI 3 and KPI 4 Odour Management

No non-conformances have been received from the regulator within the month, with one site regulatory (0461442) inspection confirming no direct offsite odour detected by Environment Agency officers. A faint, transient and non-identifiable odour was detected on Sneyd Avenue. The Agency assessments cover a wide scope of permit conditions including engineering, containment, operational activities, landfill gas management, odour and pest management.

37 odour tours conducted by WQL, with 31 reflecting no odours experienced. 6 visits recorded minor odour (1 or less) local to the facility. 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 107,236m². The active area is confined to Cell 4 and a small section of cell 2. The current active area remains contained and measures some 26,425m². This is in line 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, 40,4779m² 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, 40,032m² 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 perm 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.

In relation to the permanent capping works, scheduled for installation in 2023 the required membrane has been ordered and on site. The installation works will commence after receipt of the membrane, and in line with the agreed capping and phasing plan. Preparatory earthworks have commenced, with the installation of the membrane due to commence in early June.

KPI 8 - 10 Landfill gas management

WQL continues to undertake the extensive regime of surface emission surveys, as agreed with the Environment Agency. No FID surveys were undertaken in April, in line with the program agreed with the Environment Agency. The next FID survey at the facility will be undertaken in May 2023.

The concentration of H₂S at the facility remains within expected limits and in January, averaging 2287ppm at the Gas Utilisation Plant (GUP), as measured by CLP Envirogas Ltd.

The volume of gas captured at the facility remains within expected limits, at 3187m³/hr. 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 for review in January 2023. No comments have been received to date.

The LFGMP has also been issued to NuLBC, with discussions taking place between the parties, with the support of external, expert consultants.

KPI 12 Leachate Management Plan

Regarding the implementation of the LMP, discussions with the Environment Agency continue regarding installation of additional replacement leachate wells to ensure these are completed with the minimum weather-condition risk, environmental risk and risk to the engineering of the facility. Discussions are ongoing in this regard.

The availability of an appropriate, specialist drilling contractor has been obtained. Pending close-out of the ongoing discussions the redrilling of the leachate wells, as proposed in the LMP will potentially commence in July/August 2023.

KPI 13- 15

0431442 – visit on 28/04/2023 received 10/05/2023. Generally regulatory inspection, including details of external observations made by the Environment Agency. No compliance scores received.

Other CAR reports received in period:

0457396 – relating to annual monitoring report 2022. Received 13/04/2023. No compliance scores received.

Other relevant CAR reports:

0456372 – relating to sign-off of 2022 permanent capping programme with the exclusion of upper blinding soils. No compliance scores received.