

Mr Guy Baskerville
Natural Resources Wales (NRW)
Cambria House
29 Newport Road
Cardiff
CF24 0TP
BY EMAIL



Dear Guy,

Resources Management (UK) Limited - WITHYHEDGE LANDFILL SITE
3rd Quarterly Monitoring Report 2023

Please find enclosed a summary of the monitoring data for leachate, groundwater, surface water and landfill gas collected at Withyhedge Landfill Site for the 3rd Quarter of 2023, review period July to September 2023. This letter summarises the main findings with reference to the compliance limits set in the Site Permit (reference EPR/MP3330WP, previously GP3630HT/V005).

LEACHATE

Leachate Volume

A total of 1703.14 tonnes of leachate were removed off-site during the period July to September 2023.

Leachate Levels

Leachate level monitoring data for this quarter, consistent with the requirements in Table S4.1 of the Permit, are provided in the Site Monitoring Worksheets.

There were no exceedances of the compliance limits during the review period July to September 2023.

However, the total leachate volume extracted from boreholes LE1-LE6 was lower than the total monthly limits of 106 m³/month at 18m³, 16m³ and 11m³ for the months of July, August, and September respectively. The low extraction is the result of the low levels of leachate in the wells. The leachate pumps only work when the leachate levels in the wells are greater than 0.8m. We have, to the advice of NRW, requested in our permit variation application that this limit to be revised.

Leachate quality

Leachate quality monitoring data is provided in the Site Monitoring Worksheets and will be reviewed as part of the Annual Report as required by Condition 4.9 of the Permit.

GROUNDWATER

Groundwater level

Groundwater levels are recorded according to the permit requirements and are provided in the Site Monitoring Worksheets.

Groundwater quality sampling

Groundwater quality sampling is undertaken on a monthly and quarterly basis in accordance with Table S4.5 and Table S4.11 of the Permit. The groundwater quality monitoring data has been assessed against the compliance limits set in the Permit and are provided in the Site Monitoring Worksheets.

There were no exceedances of the compliance limits during the review period July to September 2023. However, as per the CQA we were unable to collect analysis from BH20 due to this being lost because of the development of the landfill.

Due to the same developments on site, it was not suitable due to health and safety grounds to collect samples from BH16, BH17, BH18, and BH24 also. Rhodri Morgan of the NRW the site's regulating officer was informed of the issues. The BHs have now been given alternative access that will ensure that H&S

of the contractors/employees undertaking the sampling is appropriate and that monitoring can proceed as normal.

SURFACE WATER

Surface water is monitored monthly in accordance with Table S4.3 and Table S4.10 of the Permit and the surface water quality data is the Site Monitoring Worksheets.

There were no exceedances of the compliance limits during the review period July to September 2023.

LANDFILL GAS

CO₂, CH₄ and O₂ are monitored on a fortnightly basis in all gas collection wells and any other (in-waste) gas monitoring points as specified in Table S4.8 of the Permit. The remaining locations are monitored monthly as specified in Table S4.6 and S4.8 of the Permit. The results of landfill gas monitoring are provided in the Site Monitoring Worksheets.

There were no exceedances of the compliance limits during the review period July to September 2023. However, as per the CQA we were unable to collect analysis from BH20 due to this being lost because of the development of the landfill.

Due to the same developments on site, it was not suitable due to health and safety grounds to collect samples from BH16, BH17, BH18, and BH24 also. Rhodri Morgan of the NRW the site's regulating officer was informed of the issues. The BHs have now been given alternative access that will ensure that H&S of the contractors/employees undertaking the sampling is appropriate and that monitoring can proceed as normal.

Engines Emissions

The engines are monitored for oxides of nitrogen, carbon monoxide on a quarterly basis in accordance with table S4.2 of the permit. The results of the quarterly engines monitoring are provided in the Site Monitoring Worksheets

I trust that the above meets your requirements; please do not hesitate to contact me if you have any queries.

Yours sincerely,

G R Powell

Gavin Powell
Group Technical Manager
Dauson Environmental Group