

Your ref: DP3733BK

Our ref: 14739/3505/CBH/RHT/VKR/AREA 2 GAS



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Attn: Mr David Willey

Dear David

RE: DP3733BK - DOCKSWAY DISPOSAL SITE. LATEST AREA 2 GAS MONITORING RESULTS, ROUNDS 152 TO 154.

We write to provide the latest quarterly gas monitoring report for Area 2 of Docksway Disposal Site. Gas monitoring is required on a monthly basis at Area 2 of Docksway Disposal Site and the results of the monitoring are reported to NRW on a quarterly basis.

We enclose with this report three data sheets showing the results collected between October and December 2016 (i.e. Rounds 152 to 154).

Gas monitoring wells are installed at approximately 100m intervals around the Area 2 landfill perimeter and there are currently thirteen available monitoring wells. Eleven wells were monitored during Rounds 152, 153 and 154 (GP06_25 and GP05_22 recorded as flooded).

Trigger Levels

Trigger Levels for all the Area 2 wells are shown on the attached data tables.

Results Summary

The methane and carbon dioxide concentrations recorded at each of the gas monitoring wells between October and December 2016 are summarised on the attached data sheets.

The concentrations of methane and carbon dioxide did not exceed the well specific trigger levels at the majority of the Area 2 wells monitored during rounds 152 to 154. The exceptions to this are as follows;

- GP05_20 – recorded peak methane concentration of 1.7% during R152, although steady state concentration was below the detection limit of the monitoring equipment.
- GP03_06 – recorded peak methane concentration of 6.0% during R152 and 2.0% during R154, although steady state concentration each time was below the detection limit of the monitoring equipment.

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- GP09_18 – has recorded peak methane concentrations between 1.8% and 23.9% and steady state methane concentrations between 1.1% and 19.5% during the monitoring period.

Concluding Remarks

In general, it is considered that the results obtained from the three rounds of gas monitoring are within the range of results obtained since commencement of monitoring with the exception of GP09_18. At this location the concentrations recorded during rounds 152 and 154 are the highest recorded at this location, and significantly above the trigger level.

NCC will continue to undertake Area 2 perimeter gas monitoring on a monthly basis and PBA will continue to provide factual reports to NRW on a quarterly basis.

Yours sincerely

Kate Riley

For and on behalf of

PETER BRETT ASSOCIATES LLP

Cc. Gwyn Jones – NCC (Docksway Disposal Site)

Enc. Gas Monitoring Data Tables