

Surface water environmental monitoring report

Your Ref: DP3733BK

1st February 2024

PPC Team
Natural Resources Wales
Rivers House
Fortrain Road
St Mellons Business Park
Cardiff
CF3 0EY

Attn: Luke Burton

Re: DP3733BK – Docksway disposal site. Latest Area 2 surface water monitoring results, round 239.

This report contains the results of surface water monitoring undertaken at Docksway disposal site in January 2024. Included in this report are summary tables showing the sample location details (table 1) and the field test results of each sample location, (table 2).

Table 1 – Details of the sampling locations sampled during Round 239

Sample reference	Sample locations
SW24	Oxbow Lake
C3_Asb	Cell 3 Settling lagoon
SW25 discharge consent (AN0394301)	Area 1 Surface water
SW26 discharge consent (AN0401301)	Area 2 Surface water

Surface water quality assessment

Table 2 – Summary of the testing results during Round 239

Monitoring locations	Field temperature (°C)	Lab pH	Ammoniacal nitrogen (mg/l)	Field dissolved oxygen (%)	Biological oxygen demand (mg/l)	Suspended solids (mg/l)	Chemical oxygen demand (mg/l)
SW24	3.3 °C	8.1	0.347	78	2.22	n/a	20.3
C3_Asb	4.1 °C	8.1	7.07	55.1	2.2	6.7	42.1
SW25	Sample location dry.						
SW26	Sample location dry.						

The surface water quality at C3_Asb (Round 239) exceeded the permit limit of 5 mg/l for Ammoniacal Nitrogen with a concentration of 7.07 mg/l for Ammoniacal Nitrogen during this round of monitoring. All other parameters were within the permit limits. There was no presence of an oily sheen on the surface of the water at the time of sampling and the laboratory did not detect any asbestos fibres within the water sample.

Conclusion

The increase in Ammoniacal Nitrogen in the surface water quality at C3_Asb during this sampling round is most likely caused due to the capping/soil works that is currently ongoing on site. When comparing these results with previous results, this one-off event clearly doesn't follow the water quality trend so isn't a true representation of the surface water quality on site. As ever Newport City Council (NCC) will continue to monitor and report on the surface water quality of Docksway disposal site in accordance with the aftercare monitoring plan for Area 1, the Environmental Permit (Table S3.2 of the Permit), and in accordance with the relevant discharge consent limits.

If you have any questions regarding this report, then please do not hesitate to contact us.

Yours sincerely,

[Redacted Signature]

- CC: [Redacted] (Landfill Manager)
[Redacted] (Monitoring Technician)