

Surface water environmental monitoring report

Your Ref: DP3733BK

13th May 2024

PPC Team
Natural Resources Wales
Rivers House
Fortrain Road
St Mellons Business Park
Cardiff
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Attn: Luke Burton

Re: DP3733BK – Docksway disposal site. Latest Area 2 surface water monitoring results, round 242.

This report contains the results of surface water monitoring undertaken at Docksway disposal site in April 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 242

Sample reference	Sample locations
SW24	Oxbow Lake
C3_Asb	Cell 3 Settling lagoon

Surface water quality assessment

Table 2 – Summary of the testing results during Round 242

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	13.4 °C	8.1	<0.2	102	<1	n/a	21.1
C3_Asb	13.4 °C	8.2	7.87	82.1	2.21	3.35	50.2

The surface water quality at location C3_Asb (Round 242) exceeded the permit limit of 5 mg/l for Ammoniacal Nitrogen with a concentration of 7.87 mg/l during this sampling round. 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.

The discharge points SW25 & SW26 were both dry during this sampling round.

Conclusion

As previously stated, the increase in Ammoniacal Nitrogen in the surface water quality at C3_Asb during this sampling round is most likely caused due to the edge capping/soil works that is currently ongoing on site. Although the Ammoniacal Nitrogen in round 242 exceeded the 5 mg/l limit it was lower than the previous round 241 of sampling. Newport City Council (NCC) will continue to monitor the surface water

quality trend at C3_Asb on a monthly basis to monitor the developing situation to see if the water quality improves once the site works are completed. As ever NCC will monitor the surface water quality 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)