

Surface Water Environmental Monitoring Report

Your Ref: EAWML30058 DP3733BK

25th November 2022

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

Attn: Luke Burton

Re: EAWML30058 & DP3733BK – Docksway Disposal Site. Latest Area 1 and 2 Surface Water Monitoring Results, round 225.

This report contains the results of surface water monitoring undertaken at Docksway Disposal Site in November 2022. 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 225

Sample reference	Sample locations
SW1A	Upstream of the River Ebbw
SW24	Oxbow Lake
SW25	Area 1 Surface water
SW26	Area 2 Surface water
C3_Asb	Cell 3 Settling lagoon

Note: SW02 and SW7 are not monitored due to unsafe access. SW23 not sampled water level too high, level above the outlet point.

Surface water quality assessment

Table 2 – Summary of the testing results during Round 225

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)
SW1A	11.6 °C	7.89	<0.2	94.8 %	3.66	n/a	11.6
SW24	11.9 °C	8.0	<0.2	81 %	2.52	n/a	33.2
SW25	12.5 °C	7.86	1.4	84.4 %	2.11	20.2	71.3
SW26	11.7 °C	7.8	0.427	55.9 %	3.76	33.2	45.1
C3_Asb	11.4 °C	8.05	1.97	63.4 %	2	16.1	92.7

The site Environmental Monitoring Technician did not record the presence of a sheen on the surface of the water during this sampling round at C3_Asb and the laboratory did not detect any asbestos fibres in the sample. The surface water quality at C3_Asb was also within the permit limits during this round (Round 225) for the parameters tested.

The surface water quality has met the specific requirements of the discharge consents for SW25 & SW26 during this sampling round for the parameters tested.

Conclusion

Newport City Council (NCC) will continue to monitor 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,

L. Embrey

- CC: Robert Hughes NCC (Landfill Manager)
Luke Embrey NCC (Monitoring Technician)