

Surface Water Environmental Monitoring Report

Your Ref: EAWML30058 DP3733BK

9th September 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 222.

This report contains the results of surface water monitoring undertaken at Docksway Disposal Site in August 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 222

Sample reference	Sample locations
SW1A	Upstream of the River Ebbw
SW23	Discharge to Maes Glas Pill from Docks Drain Outfall (Disused Culvert)
SW24	Oxbow Lake
C3_Asb	Cell 3 Settling lagoon

Note: SW02 and SW7 are not monitored due to unsafe access.

Surface water quality assessment

Table 2 – Summary of the testing results during Round 222

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	17.3 °C	8.1	<0.2	86.1 %	<1	n/a	15.6
SW23	17 °C	7.6	52.8	65.2 %	6.35	n/a	115
SW24	19.7 °C	8.06	<0.2	52.1 %	3.16	n/a	37.8
C3_Asb	20.6 °C	8.2	0.267	29.9 %	6.54	15.8	128

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 (Round 222) exceeded the permit limit of 120 mg/l for Chemical Oxygen Demand (COD) with a concentration of 128 mg/l during this round of monitoring in August.

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)