



Your Ref: EAWML30058 DP3733BK
Our Ref: 49428/3501/CBH/RHT/VKR/AREA 1 AND 2 SW

7th August 2020

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

Attention of: David Griffiths & Tyrone Ward

Dear David and Tyrone,

Re: EAWML30058 AND DP3733BK - DOCKSWAY DISPOSAL SITE. LATEST AREA 1 AND 2 SURFACE WATER MONITORING RESULTS, ROUND 197

We write to provide details of the results of surface water monitoring undertaken at Docksway Disposal site in July 2020 (Round 197).

With this letter report we enclose summary tables giving field observations and selected field test results for each of the surface water positions. The analytical certificates for the laboratory testing carried out during this round are included with this report.

Surface water sampling was carried out at five locations during Round 197 (see Table 1).

Table 1 Details of Locations Sampled During Round 197

Position Monitored	Location
SW1A	River Ebbw Upstream
SW23	Discharge to Maes Glas Pill from Docks Drain Outfall (Disused Culvert)
SW24	Oxbow Lake Position 1
SW25	Area 1 SW
C3_Asb	Cell 3 settling lagoon

SW02 and SW07 were not accessible safely during R197

Surface Water Quality Assessment

Table 2 below shows selected testing results for Round 197. There are no compliance limits set for surface water and therefore there is no commentary regarding the results.

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Table 2 Testing Results Summary for Round 197

Monitoring Location	Field Temperature (°C)	Lab pH	Ammoniacal Nitrogen (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)	Suspended Solids (mg/l)	Chemical Oxygen Demand (mg/l)
SW1A	19.3	8.08	<0.2	96.5	<1.0	N/A	<7
SW23	19.5	7.46	33.0	73.3	<3.0	N/A	70
SW24	19.1	8.74	<0.2	76.4	1.92	N/A	27
SW25	16.7	7.76	1.53	81.0	5.18	11.3	62.1
C3_Asb	19.6	8.46	9.79	188.8	29.9	46.2	220

Samples were not obtained from SW26 (dry), SW02 (safety issues), or SW07 (safety issues) during Round 197.

The surface water quality at SW25 met the specific requirements of the discharge consent (Section 1.5) during R197 for the parameters tested.

The field operative did not record the presence of a sheen during sampling at C3_Asb and the laboratory did not detect asbestos fibres in the sample from C3_Asb. However, the surface water quality within C3_Asb was in breach of the permit limits for Chemical Oxygen Demand and Ammoniacal Nitrogen. The concentrations of both Ammoniacal Nitrogen (concentration recorded 9.79mg/l) and Chemical Oxygen Demand (concentration recorded 220mg/l) exceeded the permit limits for these parameters (5mg/l and 120mg/l respectively).

Concluding Remarks

Newport City Council (NCC) will continue to monitor the surface water quality on and around Docksway Disposal Site in accordance with the aftercare monitoring plan for Area 1, the Environmental Permit, and in accordance with the relevant discharge consent limits. Stantec will continue to provide comment on water quality with reference to point source emission limits to water (Table S3.2 of the Permit), and discharge consent limits within subsequent reports.

If you have any questions regarding the investigations carried out or the data herein, then please do not hesitate to contact us.

Yours sincerely



Kate Riley
Associate
 on behalf of Stantec UK Ltd

Encs – Laboratory Certificates

CC – Silvia Gonzalez-Lopez – Newport City Council
 Robert Hughes – NCC (Docksway Disposal Site)