

Your ref: EAWML30058 DP3733BK
Our ref: 14739/075/CBH/RHT/VKR/AREA 1 AND 2 SW



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Attn: David Willey and Damien Downes (Monmouth)

Dear David and Damien

RE: EAWML30058 AND DP3733BK - DOCKSWAY DISPOSAL SITE. LATEST AREA 1 AND 2 SURFACE WATER MONITORING RESULTS, ROUNDS 165 & 166.

We write to provide details of the results of the latest round of surface water monitoring undertaken at Docksway Disposal site (November & December 2017, Rounds 165 & 166).

With this letter report we enclose summary tables giving field observations and selected field test results for each of the surface water positions. The positions were monitored on the 27th November & 13th December 2017. The analytical certificates for the laboratory testing carried out during both Rounds are also included with this report.

Surface water sampling was carried out at six locations during Round 165 and five locations during Round 166, (see Table 1).

Table 1 – Details of Locations Sampled During Rounds 165 & 166

Position Monitored	Location
SW1A (R165 & 166)	River Ebbw Upstream
SW23 (R165 & 166)	Discharge to Maes Glas Pill from Docks Drain Outfall (Disused Culvert)
SW24 (R165 & 166)	Oxbow Lake Position 1
SW25 (R165 & 166)	Area 1 Surface Water
SW26 (R165)	Area 2 Surface Water
C3_Asb (R165 & 166)	Cell 3 settling lagoon

Surface Water Quality Assessment

Tables 2 & 3 show selected testing results for Rounds 165 & 166. There are no compliance limits set for surface water and therefore there is no commentary regarding the results.

The surface water quality at SW25 has met the specific requirements of the discharge consent during Rounds 165 & 166 for all parameters except for total suspended solids in R166 which (at 141mg/kg) was in exceedance of the consent limit (60mg/kg). This will continue to be monitored in subsequent rounds.



The surface water quality at SW26 has met the specific requirements of the discharge consent during Round 165.

SW26 (Area 2) was recorded as dry during Round 166 and therefore no sample was obtained and there is no commentary regarding discharge consent limits.

Table 2 –Testing Results Summary for Round 165

Monitoring Location	Field Temperature (°C)	Lab pH	Ammoniacal Nitrogen Concentration (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)
SW1A	9.1	8.84	<0.2	95.3	<1
SW23	7.5	8.43	<0.2	79.2	2.76
SW24	10.7	7.91	4.08	83.5	7.97
SW25	9.5	8.13	1.33	92.4	3.24
SW26	8.6	7.99	0.406	73.1	<1
C3Asb	7.7	8.35	N/A*	71.9	N/A*

Table 3 –Testing Results Summary for Round 166

Monitoring Location	Field Temperature (°C)	Lab pH	Ammoniacal Nitrogen Concentration (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)
SW1A	8.2	8.69	<0.2	91.7	2.27
SW23	9.2	7.62	7.77	75.3	2.31
SW24	5.2	8.66	<0.20	77.1	3.23
SW25	8.4	7.99	2.14	87.4	2.07
C3Asb	7.1	8.22	N/A*	70.2	N/A*

* Note the lab have failed to provide the scheduled testing results due to the required asbestos testing on this sample.

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 and in accordance with the relevant discharge consents and PBA will continue to provide comment on water quality with reference to 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

For and on behalf of

PETER BRETT ASSOCIATES LLP

Cc. Gwyn Jones – NCC

Enc. Laboratory Analytical Test Certificates