

Your ref: EAWML30058 DP3733BK

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



24th September 2018

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Attn: David Willey

Dear David,

RE: EAWML30058 AND DP3733BK - DOCKSWAY DISPOSAL SITE. LATEST AREA 1 AND 2 SURFACE WATER MONITORING RESULTS, ROUNDS 172, 173 & 174.

We write to provide details of the results of surface water monitoring undertaken at Docksway Disposal site (June, July and August 2018, Rounds 172, 173 & 174).

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 28th June 2018, 2nd August 2018 & 28th August 2018. The analytical certificates for the laboratory testing carried out during these three Rounds are also included with this report.

Surface water sampling was carried out at four locations during Round 172, four locations during Round 173 and four locations during Round 174, (see Table 1).

Table 1 – Details of Locations Sampled During Rounds 172, 173 & 174

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

Surface Water Quality Assessment

Tables 2, 3 & 4 show selected testing results for Rounds 172, 173 & 174. There are no compliance limits set for surface water and therefore there is no commentary regarding the results.

SW25 (Area 1) and SW26 (Area 2) were both recorded as dry during all three monitoring rounds and therefore no samples were obtained and there is no commentary regarding discharge consent limits.



Table 2 –Testing Results Summary for Round 172

Monitoring Location	Field Temperature (°C)	Lab pH	Ammoniacal Nitrogen Concentration (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)
SW1A	20.38	8.28	0.352	116.1	3.76
SW23	13.62	7.77	26.9	64.6	7.01
SW24	19.32	8.58	<0.2	101.0	4.9
C3Asb	18.83	8.11	0.246	61.1	5.34

Table 3 –Testing Results Summary for Round 173

Monitoring Location	Field Temperature (°C)	Lab pH	Ammoniacal Nitrogen Concentration (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)
SW1A	17.61	8.35	<0.2	99.4	<1
SW23	18.80	8.25	14	85.3	3.92
SW24	19.85	8.33	<0.2	92.7	5.04
C3_Asb	20.81	8.62	<0.2	103.8	9.98

Table 4 –Testing Results Summary for Round 174

Monitoring Location	Field Temperature (°C)	Lab pH	Ammoniacal Nitrogen Concentration (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)
SW1A	16.38	7.74	<0.2	89.7	<1
SW23	16.15	7.7	15.8	86.1	2.85
SW24	17.11	8.43	<0.2	77.2	<1
C3_Asb	18.16	7.78	2.33	57.2	8.73

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
Associate
For and on behalf of
PETER BRETT ASSOCIATES LLP

Cc. Jonathan Davey – NCC
Enc. Laboratory Analytical Test Certificates