

Your ref: EAWML30058 DP3733BK

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



29th June 2018

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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 167, 168 & 169.

We write to provide details of the results of surface water monitoring undertaken at Docksway Disposal site (January, February and March 2018, Rounds 167, 168 & 169).

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 25th January 2018, 16th February 2018 & 19th March 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 167, one location during Round 168 and one location during Round 169, (see Table 1).

Table 1 – Details of Locations Sampled During Rounds 167, 168 & 169

Position Monitored (round)	Location
SW1A (R167 & 169)	River Ebbw Upstream
SW23 (R167)	Discharge to Maes Glas Pill from Docks Drain Outfall (Disused Culvert)
SW24 (R167)	Oxbow Lake Position 1
SW25 (None)	Area 1 Surface Water
SW26 (None)	Area 2 Surface Water
C3_Asb (R167 & 168)	Cell 3 settling lagoon

Surface Water Quality Assessment

Tables 2, 3 & 4 show selected testing results for Rounds 167, 168 & 169. 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.

During Round 168 (February 2018) the only laboratory testing undertaken was an asbestos identification on a sample from C3_Asb and thus no Ammoniacal Nitrogen Concentration or Biological Oxygen Demand (BOD) results are available. This is due to issues with laboratory and has now been resolved.

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It is noted that during Round 169 a sample could only be retrieved from SW1A. The other monitoring locations were either dry (SW7, SW25, SW26), frozen (SW23, SW24, C3_Asb) or unsafe (SW02).

Table 2 –Testing Results Summary for Round 167

Monitoring Location	Field Temperature (°C)	Lab pH	Ammoniacal Nitrogen Concentration (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)
SW1A	8.18	8.16	<0.2	92.50	<1
SW23	8.76	7.51	6.25	77.6	<1
SW24	6.20	8.53	<0.2	91.8	3.06
C3Asb	6.17	8.40	<0.2	83.8	2.13

Table 3 –Testing Results Summary for Round 168

Monitoring Location	Field Temperature (°C)	Lab pH	Ammoniacal Nitrogen Concentration (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)
C3_Asb	6.02	8.12	N/A	85.10	N/A

Table 4 –Testing Results Summary for Round 169

Monitoring Location	Field Temperature (°C)	Lab pH	Ammoniacal Nitrogen Concentration (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)
SW1A	5.76	8.78	<0.2	95.60	<1

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,

Nicholas Hills
For and on behalf of
PETER BRETT ASSOCIATES LLP

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