

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



18th September 2015

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Attn: David Willey and Geraint Richards (Monmouth)

Dear David and Geraint

RE: EAWML30058 AND DP3733BK - DOCKSWAY DISPOSAL SITE. LATEST AREA 1 AND 2 SURFACE WATER MONITORING RESULTS, ROUND 136-138.

We write to provide details of the results of the latest rounds of surface water monitoring undertaken at Docksway Disposal site.

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 16th June 2015 (Round 136), 30th July (Round 137) and 13th August (Round 138). The analytical certificates for the laboratory testing carried out during these rounds are also included with this report.

Surface water monitoring and sampling was carried out at three locations during Rounds 136-138 (see Table 1).

Table 1 – Details of Locations Monitored During Rounds 136-138

Position Monitored	Location
SW1A	Ebbw Upstream
SW23	Discharge to Maes Glas Pill from Docks Drain Outfall (Disused Culvert)
SW24	Oxbow Lake Position 1

The remaining surface water monitoring locations SW25 (Area 1 surface water) and SW26 (Area 2 surface water) were recorded as dry during this monitoring round, and SW02 is not currently being monitored due to safety issues with access.

Surface Water Quality Assessment

Table 2 (a-c) shows selected testing results for Rounds 136-138, and indicates the water quality where standards are available (such as discharge consents).

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Table 2a –Testing Results Summary for Round 136

Monitoring Location	Field Temperature (°C)	Field pH	Ammoniacal Nitrogen Concentration (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)	Total suspended solids (mg/l)
SW1A	14.5	8.5	<0.2	105	<1	n/a
SW23	13.4	7.8	1.96	88	<1	n/a
SW24	14.8	8.0	<0.2	107.5	2.7	n/a

Table 2b –Testing Results Summary for Round 137

Monitoring Location	Field Temperature (°C)	Field pH	Ammoniacal Nitrogen Concentration (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)	Total suspended solids (mg/l)
SW1A	15.4	8.6	0.306	104	5.32	n/a
SW23	14.7	7.4	23.7	76.6	2.14	n/a
SW24	16.8	7.8	0.288	52.3	<1	n/a

Table 2c –Testing Results Summary for Round 138

Monitoring Location	Field Temperature (°C)	Field pH	Ammoniacal Nitrogen Concentration (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)	Total suspended solids (mg/l)
SW1A	16.4	8.6	0.299	106.9	<1	n/a
SW23	15.0	7.3	38.4	65.4	3.04	n/a
SW24	19.4	8.4	0.405	93.1	10.9	n/a

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 (following definitive closure being granted in October 2014) and in accordance with the relevant discharge consents and PBA will continue to provide comment on the general water quality 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