

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



10<sup>th</sup> January 2015

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**Attn: Tyrone Ward and Geraint Richards (Monmouth)**

Dear Tyrone and Geraint

**RE: EAWML30058 AND DP3733BK - DOCKSWAY DISPOSAL SITE. LATEST AREA 1 AND 2 SURFACE WATER MONITORING RESULTS, ROUND 131.**

We write to provide details of the results of the latest round 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 30<sup>th</sup> January 2015 (Round 131). The analytical certificates for the laboratory testing carried out during Round 131 are also included with this report.

Surface water monitoring and sampling was carried out at six locations during Round 131 (see Table 1).

Table 1 – Details of Locations Monitored During Round 131

<b>Position Monitored</b>	<b>Location</b>
SW1A	Ebbw Upstream
SW11	North Pond
SW23	Discharge to Maes Glas Pill from Docks Drain Outfall (Disused Culvert)
SW24	Oxbow Lake Position 1
SW25	Area 1 Surface water management system discharge point
SW26	Area 2 Surface Water

The remaining surface water monitoring location SW02 is not currently being monitored due to safety issues with access.

### Surface Water Quality Assessment

Table 2 shows selected testing results for Round 131, and indicates the water quality where standards are available (such as discharge consents).

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Table 2 –Testing Results Summary for Round 131

Monitoring Location	Field Temperature	Field pH	Ammoniacal Nitrogen Concentration (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)	Total suspended solids (mg/l)
SW1A	6.29	7.32	0.246	95.40	<1	n/a
SW11	4.82	7.84	<0.2	54.40	<1	n/a
SW23	8.63	7.37	12.7	55.50	3.48	n/a
SW24	5.95	8.36	0.224	63.40	2.47	n/a
SW25	7.78	7.82	4.83	84.20	3	22.5
SW26	6.27	8.19	217	63.40	<1	66

The recorded concentration of total suspended solids has marginally exceeded the discharge consent (60mg/l) for SW26 during Round 131.

The surface water quality at SW25 and SW26 (except where stated above) has met the relevant discharge consents during Round 131.

### 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