

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



4<sup>th</sup> January 2016

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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, ROUND 142.**

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 17<sup>th</sup> December 2015. The analytical certificates for the laboratory testing carried out during this round are also included with this report.

Surface water monitoring and sampling was carried out at five locations during Round 142 (see Table 1).

Table 1 – Details of Locations Monitored During Round 142

<b>Position Monitored</b>	<b>Location</b>
SW1A	River Ebbw Upstream
SW23	Discharge to Maes Glas Pill from Docks Drain Outfall (Disused Culvert)
SW24	Oxbow Lake Position 1
SW25	Area 1 Surface Water
SW26	Area 2 Surface Water

SW02 (River Ebbw Downstream) is not being monitored due to safety issues with access.

Surface Water Quality Assessment

Table 2 shows selected testing results for Round 142, and indicates the water quality where standards are available (such as discharge consents).

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Table 2 –Testing Results Summary for Round 142

Monitoring Location	Field Temperature (°C)	Field pH	Ammoniacal Nitrogen Concentration (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)	Total suspended solids (mg/l)
SW1A	12.02	8.6	0.328	97.1	<1	n/a
SW23	11.83	7.9	6.980	73.6	<1	n/a
SW24	11.22	8.4	0.218	78.9	3.74	n/a
SW25	11.45	8.4	1.810	93.3	2.55	18.5
SW26	11.33	8.1	7.030	55.3	5.00	<2

The surface water quality at both SW25 and SW26 has met the specific discharge consents during Round 142.

### 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