

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



4<sup>th</sup> January 2016

PPC Team  
Natural Resources Wales  
Rivers House  
Fortrain Road  
St Mellons Business Park  
Cardiff  
CF3 0EY

**Peter Brett Associates LLP**  
Caversham Bridge House  
Waterman Place, Reading  
Berkshire RG1 8DN  
T: +44 (0)118 950 0761  
F: +44 (0)118 959 7498  
E: reading@pba.co.uk

**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 141.**

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 28<sup>th</sup> November 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 141 (see Table 1).

Table 1 – Details of Locations Monitored During Round 141

<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 141, and indicates the water quality where standards are available (such as discharge consents).



Table 2 –Testing Results Summary for Round 141

Monitoring Location	Field Temperature (°C)	Field pH	Ammoniacal Nitrogen Concentration (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)	Total suspended solids (mg/l)
SW1A	10.8	8.5	<0.2	95.8	<1	n/a
SW23	11.71	7.6	7.96	87.0	<1	n/a
SW24	10.84	8.0	<0.2	73.4	<1	n/a
SW25	12.37	8.0	1.36	88.4	<1	3.5
SW26	9.99	7.9	0.627	76.0	<1.88	2.5

The surface water quality at both SW25 and SW26 has met the specific discharge consents during Round 141.

### 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