

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



18<sup>th</sup> March 2015

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: 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 132.**

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 26<sup>th</sup> February 2015 (Round 132). The analytical certificates for the laboratory testing carried out during Round 132 are also included with this report.

Surface water monitoring and sampling was carried out at five locations during Round 132 (see Table 1).

Table 1 – Details of Locations Monitored During Round 132

Position Monitored	Location
SW1A	Ebbw Upstream
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 132, and indicates the water quality where standards are available (such as discharge consents).



Table 2 –Testing Results Summary for Round 132

Monitoring Location	Field Temperature	Field pH	Ammoniacal Nitrogen Concentration (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)	Total suspended solids (mg/l)
SW1A	9.15	8.3	<0.2	98.7	2.06	n/a
SW23	7.27	7.8	3.27	89.6	4.63	n/a
SW24	10.48	8.3	<0.2	97.1	2.82	n/a
SW25	9.30	7.7	1.02	86.4	3.93	440
SW26	10.10	7.8	86.6	75.5	12.1	35.5

The recorded concentration of total suspended solids at SW25 (440 mg/l) has exceeded the discharge consent limit of 60mg/l during Round 132.

The surface water quality at SW25 and SW26 (except where stated above) has met the remaining limits in the relevant discharge consents during Round 132.

SW25 will be resampled during March 2015 and the concentration of total suspended solids will be carefully reviewed.

#### 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