

Your ref: EAWML30058 DP3733BK  
Our ref: 14739/3505/CBH/RHT/VKR/AREA 1 AND 2 SW



06<sup>th</sup> February 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 130.**

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 12<sup>th</sup> December 2014 (Round 130). The analytical certificates for the laboratory testing carried out during Round 130 are also included with this report.

Surface water monitoring and sampling was carried out at six locations during Round 130 (see Table 1).

Table 1 – Details of Locations Monitored During Round 130

<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 currently inaccessible due to safety issues with access.

Water Quality Assessment

Table 2 shows the Round 130 testing results and indicates the likely chemical status of the water based on selected results according to the River Basin Districts Typology, Standards and groundwater threshold values (Water Framework Directive) (England and Wales) Directions 2009. In order to complete this classification process the Maes Glas Pill and River Ebbw are considered as Type 3 rivers.

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Table 2 –Testing Results Summary for Round 130

Monitoring Location	Field Temperature	Field pH	Ammoniacal Nitrogen Concentration (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)	Total suspended solids (mg/l)
SW1A	7.5	8.2	0.295	95.8	2.82	n/a
SW11	8.2	7.8	0.207	69.1	5.64	n/a
SW23	8.4	7.9	0.298	90.4	2.84	n/a
SW24	6.2	8.2	0.233	90.6	2.52	n/a
SW25	8.1	7.7	1.15	88.6	6.52	261
SW26	7.7	7.7	47	64.6	9.06	8.5

The surface water quality at SW25 has met the discharge consent during Round 130. The surface water quality at SW26 has exceeded the limit (60mg/l) given in the discharge consent for Total Suspended Solids during Round 130.

#### Concluding Remarks

Area 1 has now received definitive closure from Natural Resources Wales, and therefore monitoring will continue in accordance with the aftercare monitoring plan contained in the Closure Report.

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