

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



4<sup>th</sup> May 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 144.**

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 25<sup>th</sup> February 2016. 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 144 (see Table 1).

Table 1 – Details of Locations Monitored During Round 144

| <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 144, and indicates the water quality where standards are available (such as discharge consents).



Table 2 –Testing Results Summary for Round 144

| Monitoring Location | Field Temperature (°C) | Field pH | Ammoniacal Nitrogen Concentration (mg/l) | Field Dissolved Oxygen (%) | BOD (mg/l) | Total suspended solids (mg/l) |
|---------------------|------------------------|----------|--|----------------------------|------------|-------------------------------|
| SW1A                | 7.3                    | 8.64     | <0.2                                     | 97.6                       | 2.0        | n/a                           |
| SW23                | 7.9                    | 7.89     | 1.55                                     | 85.2                       | 2.0        | n/a                           |
| SW24                | 7.4                    | 8.95     | <0.2                                     | 109.7                      | 4.4        | n/a                           |
| SW25                | 8.5                    | 8.19     | 3.21                                     | 93.4                       | 2.2        | 2.5                           |
| SW26                | 6.7                    | 8.36     | 15.6                                     | 58.3                       | <5         | 4                             |

The surface water quality at both SW25 and SW26 has met the specific discharge consents during Round 144.

### 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 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