

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



21st October 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 Damien Downes (Monmouth)

Dear David and Damien

RE: EAWML30058 AND DP3733BK - DOCKSWAY DISPOSAL SITE. LATEST AREA 1 AND 2 SURFACE WATER MONITORING RESULTS, ROUND 151.

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 27th and 28th September 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 four locations during Round 151 (see Table 1).

Table 1 – Details of Locations Monitored During Round 151

| Position Monitored | Location |
|--------------------|--|
| SW1A | River Ebbw Upstream |
| SW11 | North Pond |
| SW23 | Discharge to Maes Glas Pill from Docks Drain Outfall (Disused Culvert) |
| SW24 | Oxbow Lake Position 1 |

SW02 (River Ebbw Downstream) is not being monitored due to safety issues with access.
SW25 and SW26 (Area 1 and 2 SW) recorded as dry.

Surface Water Quality Assessment

Table 2 shows selected testing results for Round 151, and indicates the water quality where standards are available (such as discharge consents).



Table 2 –Testing Results Summary for Round 151

| Monitoring Location | Field Temperature (°C) | Field pH | Ammoniacal Nitrogen Concentration (mg/l) | Field Dissolved Oxygen (%) | BOD (mg/l) |
|---------------------|-------------------------|----------|--|----------------------------|------------|
| SW1A | n/a – equipment failure | | 0.843 | n/a | <1 |
| SW11 | n/a – equipment failure | | <0.2 | n/a | 5.51 |
| SW23 | n/a – equipment failure | | 21.6 | n/a | 5.82 |
| SW24 | n/a – equipment failure | | 0.293 | n/a | 4.03 |

The on-site monitoring engineer has reported that the in-situ testing equipment failed during this monitoring round and therefore there is no field testing data. The equipment has been returned to the manufacturer for repair.

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