

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



22nd February 2017

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, ROUNDS 152-154.

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 21st October 2016, 1st December 2016 and 21st December 2016. There was no field monitoring of the surface water carried out in October (R152) and November (R153) 2016 due to equipment failure, however, samples were obtained and submitted to the laboratory for testing. The analytical certificates for the laboratory testing carried out during Rounds 152-154 are also included with this report.

Surface water sampling was carried out at three locations during Rounds 152 and 153, and monitoring and sampling was carried out at three locations during Round 154 (see Table 1).

Table 1 – Details of Locations Sampled During Rounds 152-154 and Monitored During Round 154

| Position Monitored | Location |
|--------------------|--|
| SW1A | River Ebbw Upstream |
| 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 2a-c shows selected testing results for Rounds 152-154. There are no compliance limits set for surface water and therefore there is no commentary regarding the results. The two surface water discharge locations were recorded as dry during Rounds 152-154 and therefore no samples were obtained and there is no commentary regarding discharge consent limits.

J:\14739\075-Interim Reporting\075J 2016-2017\Reports Area 1\Oct-Dec 2016\EAWML30058_DP3733BK AREA 1&2 SW.docx

Registered Office: Caversham Bridge House, Waterman Place, Reading, Berkshire, RG1 8DN. UK. T: +44 (0)118 950 0761 F: +44 (0)118 959 7498
Peter Brett Associates LLP is a limited liability partnership and is registered in England and Wales with registered number OC334398.
A list of members' names is open to inspection at our registered office. Brett Consulting Limited is wholly owned by Peter Brett Associates LLP.
Registered number: 07765026.

Roger Tym & Partners is part of Peter Brett Associates LLP.

www.peterbrett.com



Table 2a –Testing Results Summary for Round 152

| Monitoring Location | Field Temperature (°C) | Lab pH | Ammoniacal Nitrogen Concentration (mg/l) | Field Dissolved Oxygen (%) | BOD (mg/l) |
|---------------------|------------------------|--------|--|----------------------------|------------|
| SW1A | n/a | 8.0 | <0.2 | n/a | <1 |
| SW23 | n/a | 8.3 | 1.33 | n/a | <1 |
| SW24 | n/a | 7.7 | <0.2 | n/a | 7.08 |

Table 2b –Testing Results Summary for Round 153

| Monitoring Location | Field Temperature (°C) | Lab pH | Ammoniacal Nitrogen Concentration (mg/l) | Field Dissolved Oxygen (%) | BOD (mg/l) |
|---------------------|------------------------|--------|--|----------------------------|------------|
| SW1A | n/a | 7.7 | <0.2 | n/a | <1 |
| SW23 | n/a | 7.7 | 16.2 | n/a | 2.64 |
| SW24 | n/a | 7.6 | 0.293 | n/a | 4.12 |

Table 2c –Testing Results Summary for Round 154

| Monitoring Location | Field Temperature (°C) | Field pH | Ammoniacal Nitrogen Concentration (mg/l) | Field Dissolved Oxygen (%) | BOD (mg/l) |
|---------------------|------------------------|----------|--|----------------------------|------------|
| SW1A | 8.9 | 8.3 | <0.2 | 96.2 | 2.34 |
| SW23 | 11.7 | 7.3 | 14.8 | 75.5 | 4.48 |
| SW24 | 8.0 | 8.3 | 0.307 | 85.6 | 10.9 |

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 water quality with reference to discharge consent limits 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