

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



7<sup>th</sup> Dec 2017

PPC Team  
Natural Resources Wales  
Rivers House  
Fortran 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  
E: reading@peterbrett.com

**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 161-164.**

We write to provide details of the results of the latest rounds of surface water monitoring undertaken at Docksway Disposal site (July 2017 to October 2017, Rounds 161 to 164).

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> July 2017, 21<sup>st</sup> August 2017, 9<sup>th</sup> September 2017 and 10<sup>th</sup> October 2017.

Surface water monitoring and sampling was carried out at four locations during Round 161 and 162, five locations during Round 163 and four locations during Round 164 (see Table 1).

Table 1 – Details of Locations Sampled During Rounds 161-164.

Position Monitored	Location	Rounds Monitored
SW1A	River Ebbw Upstream	R161, R162, R163, R164
SW23	Discharge to Maes Glas Pill from Docks Drain Outfall (Disused Culvert)	R161, R162, R163, R164
SW24	Oxbow Lake	R162, R162, R163, R164
SW11	North Pond	R163
C3_Asb	Cell 3 Lagoon	R161, R162, R163, R164

SW02 (River Ebbw Downstream) is not being monitored due to safety issues with access. SW7 recorded as dry/no access throughout. SW25 and SW26 (Area 1 and 2 SW) recorded as dry in rounds 161-164.

Surface Water Quality Assessment

Table 2a-d shows selected testing results for Rounds 161-164. There are no compliance limits set for surface water, with the exception of C3 Asb, and therefore there is no commentary regarding the results except for that location. The two surface water discharge locations were recorded as dry during Rounds 161 to 164 and therefore no samples were obtained and there is no commentary regarding discharge consent limits for these rounds.



Table 2a –Testing Results Summary for Round 161

Monitoring Location	Field Temperature (°C)	Field pH	Ammoniacal Nitrogen Concentration (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)
SW24	21.5	9.2	<0.2	117.6	2.71
SW1a	17.8	8.8	<0.2	95.8	<1
SW23	20.7	7.7	4.5	86.3	<1
C3 Asb	21.4	8.6	<0.2	102.8	6.11

Table 2b –Testing Results Summary for Round 162

Monitoring Location	Field Temperature (°C)	Field pH	Ammoniacal Nitrogen Concentration (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)
SW24	18.2	8.2	<0.2	91.3	5.58
SW1a	14.9	8.7	<0.2	98.5	<1
SW23	15.9	7.5	8.34	86.7	2.14
C3 Asb	17.5	8.2	<0.2	67.2	5.65

Table 2c –Testing Results Summary for Round 163

Monitoring Location	Field Temperature (°C)	Field pH	Ammoniacal Nitrogen Concentration (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)
SW24	15.6	8.5	<0.2	95.0	4.63
SW1a	13.5	8.6	<0.2	100.1	<1
SW23	14.6	7.5	12	83.7	<1.67
SW11	15.4	8.5	<0.2	101.2	7.62
C3 Asb	16.0	8.4	<0.2	97.6	N/A

Table 2d –Testing Results Summary for Round 164

Monitoring Location	Field Temperature (°C)	Field pH	Ammoniacal Nitrogen Concentration (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)
SW24	12.8	8.5	<0.2	67.4	5.1
SW1a	12.1	8.7	<0.2	95.7	<1
SW23	13.6	7.5	11.4	64.6	3.22
C3 Asb	12.5	8.1	<0.2	52.7	12.1

### Cell 3 Lagoon (C3 Asb)

Parameter	Compliance Limit	Result (R161)	Result (R162)	Result (R163)	Result (R164)
Suspended solids	100 mg/l	N/A	N/A	N/A	7.85
COD	120 mg/l	70.2	60.4	54.2	75.9
Ammoniacal Nitrogen	5 mg/l	<0.2	<0.2	<0.2	<0.2
pH	6-9	8.3	7.5	N/A	7.9



Asbestos Fibres	None detectable	Not scheduled	Not detected	Not detected	Not scheduled
Oil and Grease	None visible	Observations not recorded	N/A	N/A	Observations not recorded

There were no exceedances of the compliance limits at C3 Asb for the parameters tested during Rounds 161-164.

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 both the Environmental Permit for Area 2 and the relevant discharge consents, and PBA will continue to provide comment on water quality with reference to compliance limits and 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