

Your ref: EAWML30058 DP3733BK

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

29<sup>th</sup> July 2019

PPC Team  
Natural Resources Wales  
Rivers House  
Fortrain Road  
St Mellons Business Park  
Cardiff  
CF3 0EY

**Attn: David Willey**

Dear David,

**RE: EAWML30058 AND DP3733BK - DOCKSWAY DISPOSAL SITE. LATEST AREA 1 AND 2 SURFACE WATER MONITORING RESULTS, ROUNDS 182 - 184.**

We write to provide details of the results of surface water monitoring undertaken at Docksway Disposal site between April 2019 and June 2019 (Rounds 182-184)

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 29<sup>th</sup> April and 13<sup>th</sup> May and 11<sup>th</sup> June 2019. The analytical certificates for the laboratory testing carried out during rounds R182 to R184 are included with this report.

Surface water sampling was carried out at five locations during Rounds 182 and R184 and four locations during Round 183 (see Table 1).

Table 1 – Details of Locations Sampled During Round 182-184

Position Monitored (round)	Location
SW1A (R182, R183, R184)	River Ebbw Upstream
SW23 (R182, R183, R184)	Discharge to Maes Glas Pill from Docks Drain Outfall (Disused Culvert)
SW24 (R182, R183, R184)	Oxbow Lake Position 1
C3 Asb (R182, R183, R184)	Cell 3 settling lagoon
SW25 (R182, R184)	Area 1 Surface Water

SW25 was recorded as dry during R183 and SW26 (Area 2 surface water) was recorded as dry during each of the three rounds.

Surface Water Quality Assessment

Table(s) 2 (a-c) show selected testing results for Rounds 182-184. There are no compliance limits set for surface water and therefore there is no commentary regarding the results.

Table 2a –Testing Results Summary for Round 182

Monitoring Location	Field Temperature (°C)	Lab pH	Ammoniacal Nitrogen Concentration (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)	Suspended Solids (mg/l)	Chemical Oxygen Demand (mg/l)
SW1A	14.11	7.99	<0.20	97.80	<1	N/R	23.50
SW23	11.58	8.10	19.90	52.10	3.14	N/R	41.10
SW24	15.77	8.34	<0.20	132.70	32.50	N/R	99.10
SW25	18.39	8.35	0.29	98.20	<1	38.70	165.00
C3_Asb	16.15	8.55	<0.20	105.80	N/R	4.00	51.00

N/R = Not Required

Table 2b –Testing Results Summary for Round 183

Monitoring Location	Field Temperature (°C)	Lab pH	Ammoniacal Nitrogen Concentration (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)	Suspended Solids (mg/l)	Chemical Oxygen Demand (mg/l)
SW1A	14.65	8.36	<0.20	115.10	2.24	N/R	<7.00
SW23	11.90	7.66	22.00	73.30	2.70	N/R	38.90
SW24	18.37	8.11	<0.20	111.40	14.60	N/R	47.60
C3_Asb	15.22	8.53	<0.20	140.80	N/R	4.95	55.60

N/R = Not Required

Table 2c –Field Testing Results Summary for Round 184

Monitoring Location	Field Temperature (°C)	Lab pH	Ammoniacal Nitrogen Concentration (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)	Suspended Solids (mg/l)	Chemical Oxygen Demand (mg/l)
SW1A	12.01	8.13	<0.20	97.20	<1	N/R	13.40
SW23	12.12	7.54	15.70	57.70	4.33	N/R	35.10
SW24	15.44	8.32	<0.20	96.60	5.49	N/R	42.60
SW25	12.80	7.80	0.89	73.40	2.54	N/A	49.40
C3_Asb	15.73	8.41	<0.20	87.70	N/R	N/A	46.70

N/R = Not Required

N/A = Not Available

The presence of a sheen was not noted by the field operative during sampling at C3\_Asb during the three monitoring rounds.

The presence of asbestos was not detected in the sample from C3\_Asb during R182 but asbestos was not tested during R183 and R184, as the laboratory have ceased providing this test and an alternative is being sought.

The surface water quality at SW25 has met the specific requirements of the discharge consents during R182 and R184 for the parameters tested, however some parameters were omitted from the testing suite. SW25 was recorded as dry in R183, and SW26 was recorded as dry during all three monitoring rounds.

The surface water quality within C3\_Asb was within the permit limits in R182, R183 and R184 for the parameters tested, however some parameters were omitted from the testing suite.

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

A handwritten signature in black ink, appearing to read 'Kate Riley', with a checkmark to the left.

Kate Riley  
**Associate**  
For and on behalf of  
**PETER BRETT ASSOCIATES LLP**

Encs – Laboratory Certificates

Cc. Silvia Gonzalez-Lopez – Newport City Council