

Your ref: EAWML30058 DP3733BK

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

16th May 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 179 - 181.

We write to provide details of the results of surface water monitoring undertaken at Docksway Disposal site between January 2019 and March 2019 (Rounds 179-181)

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 26th January and 22nd February and 20th March 2019. The analytical certificates for the laboratory testing carried out during rounds R179 to R181 are included with this report.

Surface water sampling was carried out at six locations during Rounds 179 and R180 and four locations during Round 181 (see Table 1).

Table 1 – Details of Locations Sampled During Round 179-181

Position Monitored (round)	Location
SW1A (R179, R180, R181)	River Ebbw Upstream
SW23 (R179, R180, R181)	Discharge to Maes Glas Pill from Docks Drain Outfall (Disused Culvert)
SW24 (R179, R180, R181)	Oxbow Lake Position 1
C3_Asb (R179, R180, R181)	Cell 3 settling lagoon
SW25 (R179, R180)	Area 1 Surface Water
SW26 (R179, R180)	Area 2 Surface Water

Surface Water Quality Assessment

Tables 2 (a-c) shows selected testing results for Rounds 179-181. 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 179

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	5.47	7.51	<0.2	93.20	<1	N/R	<7
SW23	7.22	7.69	15	87.30	<1	N/R	95.20
SW24	4.39	7.64	<0.2	67.90	2.50	N/R	22.20
SW25	8.69	7.80	5.18	78.70	<1	<2	55.80
SW26	3.96	7.62	49.2	78.80	4.46	7.10	188
C3_Asb	5.17	7.90	<0.2	68.70	N/R	-	58.20

N/R = Not Required

Table 2b –Testing Results Summary for Round 180

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	8.31	8.01	<0.2	99.70	<1	N/R	10.90
SW23	9.26	8.23	16.70	76.70	2.05	N/R	31.50
SW24	6.73	8.49	<0.2	101.20	4.34	N/R	34.60
SW25	8.50	8.20	2.63	81.40	<1	<2	44.20
SW26	5.56	8.49	0.989	74.80	3.55	14.10	44.30
C3_Asb	6.62	8.43	<0.2	95.40	N/R	-	44.70

N/R = Not Required

Table 2c –Field Testing Results Summary for Round 181

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	9.03	8.02	<0.2	103.10	<1	N/R	<7
SW23	10.03	7.90	20.3	61.50	2.72	N/R	38.3
SW24	11.24	8.09	<0.2	86.90	4.24	N/R	30.5
C3_Asb	11.44	8.31	<0.2	8.82	<1	N/A	47

N/R = Not Required

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 R179 but asbestos was omitted from the testing suite during R180 and R181.

The surface water quality at SW25 and SW26 has met the specific requirements of the discharge consents during R179 and R180 – these locations were recorded as dry in R181.

The surface water quality within C3_Asb was within the permit limits in R179, R180 and R181 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