

Your ref: EAWML30058 DP3733BK

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

11th April 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, ROUND 178.

We write to provide details of the results of surface water monitoring undertaken at Docksway Disposal site (December 2018, Round 178).

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 13th December 2018. The analytical certificates for the laboratory testing carried out during this round are included with this report.

Surface water sampling was carried out at six locations during Round 178 (see Table 1).

Table 1 – Details of Locations Sampled During Round 178

Position Monitored (round)	Location
SW1A (R178)	River Ebbw Upstream
SW23 (R178)	Discharge to Maes Glas Pill from Docks Drain Outfall (Disused Culvert)
SW24 (R178)	Oxbow Lake Position 1
C3 Asb (R178)	Cell 3 settling lagoon
SW25 (R178)	Area 1 Surface Water
SW26 (R178)	Area 2 Surface Water

Surface Water Quality Assessment

Table 2 shows selected testing results for Round 178. There are no compliance limits set for surface water and therefore there is no commentary regarding the results.

Table 2 –Testing Results Summary for Round 178

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	8.01	7.44	<0.2	96.5	<1	N/R	10.3
SW23	9.34	7.58	11.4	61.5	3.80	N/R	37.0
SW24	6.59	7.76	0.372	79.1	4.20	N/R	22.6
SW25	9.50	7.94	2.26	81.2	3.24	4.85	62.7
SW26	5.97	7.83	15	64.1	<1	2.75	72.5
C3_Asb	5.25	8.06	<0.2	80.6	N/R	-	52.4

N/R = Not Required

The presence of a sheen was not noted by the field operative during sampling at C3_Asb during R178.

The presence of asbestos was not detected in the sample from C3_Asb.

The surface water quality at SW25 and SW26 has met the specific requirements of the discharge consents during R178.

The surface water quality within C3_Asb was within the permit limits in R178. Total suspended solids was omitted from the testing suite for C3_Asb during R178.

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
Associate
 For and on behalf of
PETER BRETT ASSOCIATES LLP

Cc. Jonathan Davey – NCC (Docksway Disposal Site)