

Your ref: EAWML30058 DP3733BK

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

12 December 2018

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 176 & 177.

We write to provide details of the results of surface water monitoring undertaken at Docksway Disposal site (October and November 2018, Rounds 176 & 177).

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 29th October 2018 & 20th November 2018. The analytical certificates for the laboratory testing carried out during these two rounds are also included with this report.

Surface water sampling was carried out at four locations during Round 176 and five locations during Round 177, (see Table 1).

Table 1 – Details of Locations Sampled During Rounds 176 & 177

Position Monitored (round)	Location
SW1A	River Ebbw Upstream
SW23	Discharge to Maes Glas Pill from Docks Drain Outfall (Disused Culvert)
SW24	Oxbow Lake Position 1
C3_Asb	Cell 3 settling lagoon
SW11 (R177 only)	North pond

Surface Water Quality Assessment

Tables 2 & 3 show selected testing results for Rounds 176 & 177. There are no compliance limits set for surface water and therefore there is no commentary regarding the results.

SW25 (Area 1) and SW26 (Area 2) were both recorded as dry during all three monitoring rounds and therefore no samples were obtained and there is no commentary regarding discharge consent limits.

J:\14739\075-Interim Reporting\2018-2019 Monitoring data\Reports Area 2\R175 - Sept 2018\Docksway Area 1 & 2 SW.docx

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Table 2 –Testing Results Summary for Round 176

Monitoring Location	Field Temperature (°C)	Lab pH	Ammoniacal Nitrogen Concentration (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)
SW1A	7.8	8.14	0.303	94.6	<1
SW23	11.9	7.72	39.8	82.0	4.49
SW24	7.1	7.89	<0.2	85.9	6.46
C3Asb	9.1	7.99	<0.2	83.0	<1

Table 3 –Testing Results Summary for Round 177

Monitoring Location	Field Temperature (°C)	Lab pH	Ammoniacal Nitrogen Concentration (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)
SW1A	8.5	7.57	<0.2	89.5	<1
SW23	12.1	7.80	21.1	73.2	<1
SW24	9.0	7.83	0.344	80.6	4.21
C3_Asb	10.2	8.14	0.309	102.1	<1
SW11	8.0	7.83	0.701	87.1	2

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)