

Your ref: EAWML30058 DP3733BK

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

02 October 2019

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

**Attn: David Griffiths**

Dear David,

**RE: EAWML30058 AND DP3733BK - DOCKSWAY DISPOSAL SITE. LATEST AREA 1 AND 2 SURFACE WATER MONITORING RESULTS, ROUNDS 185 and 186.**

We write to provide details of the results of surface water monitoring undertaken at Docksway Disposal site in July 2019 and August 2019 (Rounds 185 and 186).

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 30<sup>th</sup> July and 12<sup>th</sup> August 2019. The analytical certificates for the laboratory testing carried out during rounds R185 and R186 are included with this report.

Surface water sampling was carried out at four locations during Rounds 185 and 186 (see Table 1).

*Table 1 Details of Locations Sampled During Rounds 185 and 186*

Position Monitored (Round)	Location
SW1A (R185, R186)	River Ebbw Upstream
SW23 (R185, R186)	Discharge to Maes Glas Pill from Docks Drain Outfall (Disused Culvert)
SW24 (R185, R186)	Oxbow Lake Position 1
C3_Asb (R185, R186)	Cell 3 settling lagoon

SW7, SW25 and SW26 were recorded dry and SW02 was noted to be unsafe during July and August monitoring rounds.

Surface Water Quality Assessment

Table(s) 2 (a and b) show selected testing results for Rounds 185 and 186. 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 185*

Monitoring Location	Field Temperature (°C)	Lab pH	Ammoniacal Nitrogen (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)	Suspended Solids (mg/l)	Chemical Oxygen Demand (mg/l)
SW1A	16.13	7.80	<0.20	79.00	<1.0	N/R	7.2
SW23	16.99	8.03	9.19	78.70	11.1	N/R	81.6
SW24	22.63	8.21	<0.20	100.60	2.5	N/R	39.2
C3_Asb	23.37	8.67	<0.20	126.90	N/R	13.1	64.2

N/R = Not Required

Table 3b Testing Results Summary for Round 186

Monitoring Location	Field Temperature (°C)	Lab pH	Ammoniacal Nitrogen (mg/l)	Field Dissolved Oxygen (%)	BOD (mg/l)	Suspended Solids (mg/l)	Chemical Oxygen Demand (mg/l)
SW1A	15.90	8.03	<0.20	98.60	<1.00	N/R	8.92
SW23	14.93	7.84	16.40	71.80	2.39	N/R	35.3
SW24	20.84	8.36	<0.20	84.70	<1.00	N/R	41.2
C3_Asb	20.33	8.74	<0.20	72.30	N/R	N/D	5.23

N/R = Not Required, N/A = Not Done

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

The presence/absence of asbestos fibres in the sample from C3\_Asb during the two monitoring rounds has not been tested as the laboratory has ceased providing this test and an alternative is being sought.

There is no laboratory result for suspended solids for C3\_Asb in August.

SW25 and SW26 were recorded as dry during both monitoring rounds and therefore samples were not obtained and there is no commentary regarding discharge consent limits.

The surface water quality within C3\_Asb was within the permit limits in R185 and R186 for the parameters tested, however total suspended solids was 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, the Environmental Permit and in accordance with the relevant discharge consents. PBA will continue to provide comment on water quality with reference to point source emission limits to water (Table S3.2 of the Permit) 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  
**Associate**  
 For and on behalf of  
**PETER BRETT ASSOCIATES LLP**

Encs – Laboratory Certificates

CC – Silvia Gonzalez-Lopez – Newport City Council