



Your Ref: EAWML30058 DP3733BK
 Our Ref: 14739/075/CBH/RHT/VKR/NH/AREA 1 AND 2 SW

10th February 2020

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

Attention of: David Griffiths

Dear David,

Re: EAWML30058 AND DP3733BK - DOCKSWAY DISPOSAL SITE. LATEST AREA 1 AND 2 SURFACE WATER MONITORING RESULTS, ROUNDS 188 to 190

We write to provide details of the results of surface water monitoring undertaken at Docksway Disposal site in October 2019, November 2019 and December 2019 (Rounds 188, 189 and 190 respectively).

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 23rd October 2019, 20th November 2019 and 17th December 2019. The analytical certificates for the laboratory testing carried out during rounds R188 to R190 are included with this report.

Surface water sampling was carried out at five locations during Rounds 188 to 190 (see Table 1).

Table 1 Details of Locations Sampled During Rounds 188 to 190

Position Monitored (Round)	Location
SW1A (R188, R189, R190)	River Ebbw Upstream
SW23 (R188, R189, R190)	Discharge to Maes Glas Pill from Docks Drain Outfall (Disused Culvert)
SW24 (R188, R189, R190)	Oxbow Lake Position 1
SW25 (R188, R189, R190)	Area 1 SW
C3_Asb (R188, R189, R190)	Cell 3 settling lagoon

SW26 was recorded as 'N/A' during R188 and as 'Dry' during R189 and R190.
 SW02 and SW7 were recorded as 'N/A' during R188 and unsafe during R189 and R190.

Surface Water Quality Assessment

Table(s) 2 (a, b and c) show selected testing results for Rounds 188, 189 and 190. There are no compliance limits set for surface water and therefore there is no commentary regarding the results.

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Table 2a Testing Results Summary for Round 188

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	10.00	7.82	<0.2	95.5	<1	<2	<7
SW23	12.32	7.47	13.6	64.7	3.83	23.60	42.9
SW24	9.49	8.05	<0.2	92.0	2.86	4.75	33.9
SW25	12.80	7.95	2.8	57.7	9.04	7.75	85.2
C3_Asb	10.46	8.2	0.297	77.0	2.02	3.40	52.1

Table 3b Testing Results Summary for Round 189

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	8.30	7.97	<0.2	94.6	1.63	<2	38.5
SW23	8.82	7.89	6.71	72.4	2.03	7.00	25.5
SW24	6.79	7.97	<0.2	90.9	4.87	8.05	42.8
SW25	6.21	7.90	0.201	94.7	2.73	6.15	25.5
C3_Asb	7.31	8.13	0.475	73.9	2.14	3.45	50.3

Table 4c Testing Results Summary for Round 190

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	8.36	7.95	<0.2	93.1	2.91	N/R	<7
SW23	9.65	7.64	11.6	69.1	3.23	N/R	25.1
SW24	5.17	8.23	<0.2	79.3	2.60	N/R	27.7
SW25	8.11	7.94	8.71	74.9	5.95	5.50	69.3
C3_Asb	5.99	8.21	1.31	84.5	3.88	4.85	46.7

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. A 'slight sheen' was noted at SW23 during R189.

The presence/absence of asbestos fibres in the sample from C3_Asb during the three monitoring rounds has not been tested as the laboratory has 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 R188 to R190 for the parameters tested.

SW26 was recorded as either 'N/A' or dry during all three 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 during R188 to R190 for the parameters tested.

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 consent limits. Stantec 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
on behalf of Stantec UK Ltd

Encs – Laboratory Certificates

CC – Silvia Gonzalez-Lopez – Newport City Council
Robert Hughes – NCC (Docksway Disposal Site)