



Your Ref: EAWML30058 DP3733BK  
Our Ref: 49428/3501/CBH/RHT/VKR/AREA 1 AND 2 SW

3<sup>rd</sup> September 2020

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

**Attention of: David Griffiths & Tyrone Ward**

Dear David and Tyrone,

**Re: EAWML30058 AND DP3733BK - DOCKSWAY DISPOSAL SITE. LATEST AREA 1 AND 2 SURFACE WATER MONITORING RESULTS, ROUND 198**

We write to provide details of the results of surface water monitoring undertaken at Docksway Disposal site in August 2020 (Round 198).

With this letter report we enclose summary tables giving field observations and selected field test results for each of the surface water positions. The analytical certificates for the laboratory testing carried out during this round are included with this report.

Surface water sampling was carried out at four locations during Round 198 (see Table 1).

*Table 1 Details of Locations Sampled During Round 198*

| Position Monitored | 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   |

#### Surface Water Quality Assessment

Table 2 below shows selected testing results for Round 198. There are no compliance limits set for surface water and therefore there is no commentary regarding the results.

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Table 2 Testing Results Summary for Round 198

| 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                | 16.7                   | 8.23   | <0.2                       | 94                         | <1         | N/A                     | <7                            |
| SW23                | 16.6                   | 8.03   | 0.874                      | 89.8                       | <1         | N/A                     | 59.4                          |
| SW24                | 19.2                   | 7.69   | <0.2                       | 64.1                       | 2.82       | N/A                     | 35.4                          |
| C3_Asb              | 19.6                   | 8.09   | 5.21                       | 64.4                       | 7.77       | 11.7                    | 181                           |

Samples were not obtained from SW25 or SW26 (dry), SW02 (safety issues), or SW07 (safety issues) during Round 198.

The field operative did not record the presence of a sheen during sampling at C3\_Asb and the laboratory did not detect asbestos fibres in the sample from C3\_Asb. However, the surface water quality within C3\_Asb was in breach of the permit limits for Chemical Oxygen Demand (COD). The concentration of COD was recorded as 181mg/l which is above the permit limit of 120mg/l for this parameter, although this has reduced from 220mg/l in the previous round. The concentration of Ammoniacal Nitrogen was recorded as 5.21mg/l which is marginally above the permit limit (5mg/l) but lower than the concentration recorded during the previous round (9.79mg/l).

#### 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)