

# Brooklyn Water Resource Recovery Facility

## July Pollution Monitoring Summary



### EPL 12438

Summary period: 01-07-2026 to 31-07-2026  
 Date obtained: 10-08-2026  
 Date published: 19-08-2026

**Licensee:** Sydney Water Corporation  
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**Table 1: 3 Day Geometric Mean data**

| EPA Point 5<br>Site code BK0005 |                 | Point description: In the discharge pipeline after the UV lamps |            |             |               |
|---------------------------------|-----------------|-----------------------------------------------------------------|------------|-------------|---------------|
| pollutant                       | unit of measure | sampling frequency                                              | 3DGM limit | 3DGM Actual | within limits |
| biochemical oxygen demand       | mg/L            | monthly                                                         | 20         | <2          | yes           |
| total suspended solids          | mg/L            | monthly                                                         | 10         | <2          | yes           |

3 Day Geometric Mean (3DGM) is a way to average a set of values and is commonly used with water quality assessments which show a great deal of variability. 3DGM is calculated by multiplying the results of the analysis of three samples collected on three consecutive days and then taking the cubed root of that amount.

**Table 2: Routine monitoring data**

| EPA Point 5<br>Site code BK0005          |                 | Point description: In the discharge pipeline after the UV lamps |                   |                |             |                |
|------------------------------------------|-----------------|-----------------------------------------------------------------|-------------------|----------------|-------------|----------------|
| pollutant                                | unit of measure | sampling frequency                                              | number of samples | minimum result | mean result | maximum result |
| biochemical oxygen demand                | mg/L            | every 6 days                                                    | 6                 | <2             | <2          | <2             |
| Ceriodaphnia dubia immobilisation (EC50) | % Effluent/Vol  | monthly                                                         | 1                 | -              | -           | 35.4           |
| faecal coliforms                         | CFU/100mL       | every 6 days                                                    | 5                 | <1             | <1          | <1             |
| nitrogen (ammonia)                       | mg/L            | every 6 days                                                    | 6                 | <0.01          | 0.01        | 0.02           |
| nitrogen (total)                         | mg/L            | every 6 days                                                    | 6                 | 3.47           | 4.35        | 5.71           |
| phosphorus (total)                       | mg/L            | every 6 days                                                    | 6                 | <0.010         | <0.010      | <0.010         |
| total suspended solids                   | mg/L            | every 6 days                                                    | 6                 | <2             | <2          | <2             |

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

Effluent quality monitoring results obtained from EPA Point 5 are used to indicate the quality of water discharged at EPA Point 2 (discharge to waters).