

# Wallacia Water Resource Recovery Facility

## July Pollution Monitoring Summary



### EPL 12235

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

**Licensee:** Sydney Water Corporation  
PO Box 399  
PARRAMATTA NSW 2124

Table 1: 3 Day Geometric Mean data

| EPA Point 4<br>Site code WL0004 |                 | Point description: From the dechlorination tank |            |             |               |
|---------------------------------|-----------------|-------------------------------------------------|------------|-------------|---------------|
| pollutant                       | unit of measure | sampling frequency                              | 3DGM limit | 3DGM Actual | within limits |
| biochemical oxygen demand       | mg/L            | monthly                                         | 25         | <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 4<br>Site code WL0004          |                 | Point description: From the dechlorination tank |                   |                |             |                |
|------------------------------------------|-----------------|-------------------------------------------------|-------------------|----------------|-------------|----------------|
| pollutant                                | unit of measure | sampling frequency                              | number of samples | minimum result | mean result | maximum result |
| aluminium                                | ug/L            | monthly                                         | 1                 | -              | -           | <5             |
| biochemical oxygen demand                | mg/L            | every 6 days                                    | 5                 | <2             | <2          | <2             |
| Ceriodaphnia dubia immobilisation (EC50) | % Effluent/Vol  | monthly                                         | 1                 | -              | -           | 100            |
| copper                                   | ug/L            | monthly                                         | 1                 | -              | -           | 3.7            |
| faecal coliforms                         | CFU/100mL       | every 6 days                                    | 5                 | 1              | 2           | 3              |
| hydrogen sulphide (unionised)            | ug/L            | monthly                                         | 1                 | -              | -           | <30            |
| nitrogen (ammonia)                       | mg/L            | every 6 days                                    | 5                 | 0.20           | 0.30        | 0.61           |
| nitrogen (total)                         | mg/L            | every 6 days                                    | 5                 | 2.47           | 3.23        | 4.54           |
| nonylphenol ethoxylate                   | ug/L            | monthly                                         | 1                 | -              | -           | <5             |
| phosphorus (total)                       | mg/L            | every 6 days                                    | 5                 | 0.046          | 0.055       | 0.076          |
| total suspended solids                   | mg/L            | every 6 days                                    | 5                 | <2             | <2          | 2              |
| zinc                                     | ug/L            | monthly                                         | 1                 | -              | -           | 24             |

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

Effluent quality monitoring results obtained from EPA Point 4 are used to indicate the quality of water discharged at EPA Point 2 (discharge to waters).