

# Wollongong Wastewater Treatment Plant

## July Pollution Monitoring Summary



### EPL 218

Summary period: 01-07-2021 to 31-07-2021

Date obtained: 04-08-2021

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**Licensee:** Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 3 Day Geometric Mean data**

| EPA Point 5<br>Site code WO0005 |                 | Point description: At the inlet to the effluent pumping station |            |             |               |  |
|---------------------------------|-----------------|-----------------------------------------------------------------|------------|-------------|---------------|--|
| pollutant                       | unit of measure | sampling frequency                                              | 3DGM limit | 3DGM Actual | within limits |  |
| total suspended solids          | mg/L            | monthly                                                         | 50         | <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 WO0005        |                 | Point description: At the inlet to the effluent pumping station |                   |                |             |                |
|----------------------------------------|-----------------|-----------------------------------------------------------------|-------------------|----------------|-------------|----------------|
| pollutant                              | unit of measure | sampling frequency                                              | number of samples | minimum result | mean result | maximum result |
| aluminium                              | ug/L            | monthly                                                         | 1                 | -              | -           | 21             |
| biochemical oxygen demand              | mg/L            | every 6 days                                                    | 5                 | 4              | 5.2         | 8              |
| carbonaceous biochemical oxygen demand | mg/L            | every 6 days                                                    | 5                 | <2             | <2          | 4              |
| copper                                 | ug/L            | monthly                                                         | 1                 | -              | -           | 2.4            |
| diazinon                               | ug/L            | monthly                                                         | 1                 | -              | -           | <0.1           |
| hydrogen sulphide (unionised)          | ug/L            | monthly                                                         | 1                 | -              | -           | <30            |
| total suspended solids                 | mg/L            | every 6 days                                                    | 5                 | <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 1 (discharge to waters).