

# McGraths Hill Water Resource Recovery Facility

## July Pollution Monitoring Summary



### EPL 1684

Summary period: 01-07-2026 to 31-07-2026

Date obtained: 29-07-2026

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**Licensee:** Sydney Water Corporation

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**Table 1: 100 percentile data**

| EPA Point 1<br>Site code MH0001 |                 | Point description: Discharge point into South Creek from V-notch weir at outlet of constructed wetlands system |                      |                       |               |
|---------------------------------|-----------------|----------------------------------------------------------------------------------------------------------------|----------------------|-----------------------|---------------|
| pollutant                       | unit of measure | sampling frequency                                                                                             | 100 percentile limit | 100 percentile actual | within limits |
| biochemical oxygen demand       | mg/L            | fortnightly                                                                                                    | 70                   | <2                    | yes           |
| oil and grease                  | mg/L            | fortnightly                                                                                                    | 10                   | <5                    | yes           |
| pH                              | pH Units        | fortnightly                                                                                                    | 6.5-8.5              | 7.41                  | yes           |
| total suspended solids          | mg/L            | fortnightly                                                                                                    | 80                   | 5                     | yes           |

100 percentile means that 100% of samples (or all samples) taken, must not exceed the limit for that pollutant.

**Table 2: Routine monitoring data**

| EPA Point 1<br>Site code MH0001 |                 | Point description: Discharge point into South Creek from V-notch weir at outlet of constructed wetlands system |                   |                |             |                |
|---------------------------------|-----------------|----------------------------------------------------------------------------------------------------------------|-------------------|----------------|-------------|----------------|
| pollutant                       | unit of measure | sampling frequency                                                                                             | number of samples | minimum result | mean result | maximum result |
| biochemical oxygen demand       | mg/L            | fortnightly                                                                                                    | 2                 | <2             | <2          | <2             |
| faecal coliforms                | CFU/100mL       | fortnightly                                                                                                    | 2                 | 12             | 29          | 45             |
| nitrogen (ammonia)              | mg/L            | fortnightly                                                                                                    | 2                 | 1.6            | 1.6         | 1.6            |
| nitrogen (total)                | mg/L            | fortnightly                                                                                                    | 2                 | 3.31           | 3.36        | 3.41           |
| oil and grease                  | mg/L            | fortnightly                                                                                                    | 2                 | <5             | <5          | <5             |
| oxidised nitrogen               | mg/L            | fortnightly                                                                                                    | 2                 | 1.02           | 1.09        | 1.15           |
| pH                              | pH Units        | fortnightly                                                                                                    | 2                 | 7.30           | 7.36        | 7.41           |
| phosphorus (total)              | mg/L            | fortnightly                                                                                                    | 2                 | 0.157          | 0.168       | 0.180          |
| total kjeldahl nitrogen         | mg/L            | fortnightly                                                                                                    | 2                 | 2.01           | 2.14        | 2.26           |
| total suspended solids          | mg/L            | fortnightly                                                                                                    | 2                 | 5              | 5           | 5              |

| EPA Point 3<br>Site code MH0003 |                 | Point description: Discharge point of Pond 5 |                   |                |             |                |
|---------------------------------|-----------------|----------------------------------------------|-------------------|----------------|-------------|----------------|
| pollutant                       | unit of measure | sampling frequency                           | number of samples | minimum result | mean result | maximum result |
| biochemical oxygen demand       | mg/L            | fortnightly                                  | 2                 | 3              | 4           | 4              |
| faecal coliforms                | CFU/100mL       | fortnightly                                  | 2                 | 1              | 2           | 2              |
| nitrogen (ammonia)              | mg/L            | fortnightly                                  | 2                 | 16.3           | 16.6        | 16.9           |
| nitrogen (total)                | mg/L            | fortnightly                                  | 2                 | 24.9           | 25.6        | 26.4           |
| oil and grease                  | mg/L            | fortnightly                                  | 2                 | <5             | 5           | 8              |
| oxidised nitrogen               | mg/L            | fortnightly                                  | 2                 | 8.20           | 8.37        | 8.54           |
| pH                              | pH Units        | fortnightly                                  | 2                 | 7.57           | 7.62        | 7.66           |
| phosphorus (total)              | mg/L            | fortnightly                                  | 2                 | 4.40           | 4.49        | 4.58           |
| total kjeldahl nitrogen         | mg/L            | fortnightly                                  | 2                 | 16.7           | 17.2        | 17.6           |
| total suspended solids          | mg/L            | fortnightly                                  | 2                 | 2              | 2           | 3              |

50th and 90th percentile limits are only applied annually for routine monitoring data.

As per condition M2, collection of samples every fortnight at a minimum of 10 day intervals is required at EPA Point 1 and 3.

Effluent quality monitoring results obtained from EPA Point 1 and 3 are used to indicate the quality of water discharged at EPA Point 1.