

December 2023 Meaningful Summary - Statistics from Licenced Discharge Points

| Pollutant | Units | Monitoring Frequency | Detection Limit | Statistics for November of 2023 | | | | | Limits | | Exceedances | |
|-----------|-------|----------------------|-----------------|---------------------------------|------|------|--------|------|--------|------|-------------|----------|
| | | | | Count | Min. | Mean | Median | Max. | Min. | Max. | Count | Comments |

Point 1 Discharge from Sludge Drying Beds

| | | | | | | | | | | | | |
|--------------------------|------|-----------|------|---|------|------|------|------|-----|-----|---|--|
| Aluminium | mg/L | Special A | 0.02 | 4 | 0.03 | 0.07 | 0.06 | 0.13 | — | — | 0 | |
| Chlorine (Free Residual) | mg/L | Special A | 0.03 | 4 | 0.04 | 0.11 | 0.08 | 0.17 | — | 0.1 | 2 | |
| pH | pH | Special A | — | 4 | 7.29 | 8.16 | 7.62 | 9.05 | 6.5 | 8.5 | 2 | |
| Total Suspended Solids | mg/L | Special A | 2 | 4 | <2 | <2 | <2 | 2 | — | 10 | 0 | |
| Turbidity | NTU | Special A | 0.3 | 4 | 0.30 | 0.80 | 0.70 | 1.50 | — | — | 0 | |

Point 2 Ambient Monitoring of Queanbeyan River

| | | | | | | | | | | | | |
|-----------|-----|-----------|-----|---|------|------|------|------|---|---|---|--|
| Turbidity | NTU | Special C | 0.3 | 4 | 1.00 | 1.30 | 1.10 | 1.70 | — | — | — | |
|-----------|-----|-----------|-----|---|------|------|------|------|---|---|---|--|

Point 3 Discharge from Clear Water Storage

| | | | | | | | | | | | | |
|--------------------------|------|-----------|------|---|---|---|---|---|-----|-----|---|--|
| Chlorine (Free Residual) | mg/L | Special B | 0.03 | — | — | — | — | — | — | 0.1 | — | |
| pH | pH | Special B | — | — | — | — | — | — | 6.5 | 8.5 | — | |
| Total Suspended Solids | mg/L | Special B | 2 | — | — | — | — | — | — | 10 | — | |
| Turbidity | NTU | Special B | 0.3 | — | — | — | — | — | — | 5 | — | |

Point 4 Ambient Monitoring of Googong Creek

| | | | | | | | | | | | | |
|-----------|-----|-----------|-----|---|---|---|---|---|---|---|---|--|
| Turbidity | NTU | Special C | 0.3 | — | — | — | — | — | — | — | — | |
|-----------|-----|-----------|-----|---|---|---|---|---|---|---|---|--|

NOTE: Any results below the detection limit are considered to be equal to the detection limit divided by 2 for the calculation of the above statistics.

NOTE: Exceedances are calculated as inclusive of the limit

Special A: Weekly during (and for two weeks after) the operation of Googong Water Treatment Plant

Special B: Weekly during discharge

Special C: Monthly during discharge

Additional Comments

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| Sample Point | Pollutant | Value | Units | Sampled Date | Comment |
|--------------|--------------------------|-------|-------|------------------|---|
| Point 1 | pH | 8.69 | mg/L | 4/12/2023 14:34 | Presence of algae and stormwater runoff into sample point potentially affecting pH |
| Point 1 | pH | 9.05 | mg/L | 11/12/2023 12:51 | Analysis of independent laboratory samples was conducted outside of the recommended holding time |
| Point 1 | Chlorine (Free residual) | 0.17 | mg/L | 4/12/2023 14:34 | The Plant was in shutdown mode, potable water was being used for cleaning. Potable water has a high chlorine residual. |
| Point 1 | Chlorine (Free residual) | 0.16 | mg/L | 12/12/2023 13:25 | The plant was not in production mode during this events but was undergoing a shutdown sequence, with water to the drying beds derived from flushing the plant using finished (chlorinated) potable water. |

