# Malabar Wastewater Treatment System
# 2022-23 Air quality pollution monitoring summary

**EPL 372**

Summary period: 1-07-2022 to 30-06-2023

Date published: 01-09-2023

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

| EPA Point 1 | Point description: Air sampling outlet of the foul air scrubbers at Malabar WWTP | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| pollutant | unit of measure | sampling frequency | number of samples | minimum | average | maximum | maximum limit | % within limits |
| chlorine gas | $mg/m^3$ | 30 minutes | 17520 | <0.30 | <0.30 | 4.75 | 200 | 100% |
| hydrogen sulphide gas | $mg/m^3$ | 30 minutes | 17519[1] | <0.07 | <0.07 | 1.23 | 5 | 100% |

*Maximum limits for air quality are based on the *Protection of the Environment Operations (Clean Air) Regulation 2010 - Schedule 4 Standards of concentration for scheduled premises: general activities and plant.*

[1] Data point on 19th December 2022 at 10:30am (AEST) excluded due to $H_2S$ instrument calibration during this time.

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| EPA Point 85 | Point description: Air sampling outlet of cogeneration facility at Glenfield WWTP | | | | | |
|---|---|---|---|---|---|---|
| pollutant | unit of measure | sampling frequency | number of samples | minimum | average | maximum |
| nitrogen oxides | $mg/m^3$ | yearly | 6 | 394 | 427 | 450 |

Yearly measurement taken on 09-12-2022 & 14-12-2022.

| EPA Point 85 | Point description: Air sampling outlet of cogeneration facility at Glenfield WWTP | | | | | |
|---|---|---|---|---|---|---|
| pollutant | unit of measure | sampling frequency | number of samples | minimum | average | maximum |
| nitrogen oxides | $mg/m^3$ | yearly | 3 | 201 | 205 | 210 |

Yearly measurement taken on 01-02-2023.

| EPA Point 86 | Point description: Air sampling outlet of cogeneration facility at Liverpool WWTP | | | | | |
|---|---|---|---|---|---|---|
| pollutant | unit of measure | sampling frequency | number of samples | minimum | average | maximum |
| nitrogen oxides | $mg/m^3$ | yearly | 3 | 183 | 184 | 187 |

Yearly measurement taken on 30-01-2023.