

St Marys Wastewater Treatment Plant

2025-26 Pollution Monitoring Summary



EPL 1729

Summary period: 01-07-2025 to 30-06-2026

Date published: 20-07-2026

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 50 percentile yearly summary								
EPA Point 5 Site code SM0005		Point description: At the outlet of the chlorine contact tank						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	50 percentile limit	50 percentile value	within limits
biochemical oxygen demand	mg/L	every 6 days	61	<2	6	10	<2	yes
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	12	48.3	100	50	100	yes
copper	ug/L	monthly	12	3.5	10.1	25	6.1	yes
nitrogen (ammonia)	mg/L	every 6 days	61	0.01	14.3	0.9	0.03	yes
nitrogen (total)	mg/L	every 6 days	61	2.13	18.9	6	3.97	yes
phosphorus (total)	mg/L	every 6 days	61	0.026	0.339	0.1	0.065	yes
total suspended solids	mg/L	every 6 days	61	<2	5	5	<2	yes

St Marys Wastewater Treatment Plant

2025-26 Pollution Monitoring Summary



EPL 1729

Summary period: 01-07-2025 to 30-06-2026

Date published: 20-07-2026

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 2: 80 percentile yearly summary								
EPA Point 5 Site code SM0005		Point description: At the outlet of the chlorine contact tank						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	80 percentile limit	80 percentile value	within limits
faecal coliforms	CFU/100mL	every 6 days	61	<1	300	200	5	yes

St Marys Wastewater Treatment Plant

2025-26 Pollution Monitoring Summary

EPL 1729



Summary period: 01-07-2025 to 30-06-2026

Date published: 20-07-2026

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 3: 90 percentile yearly summary

EPA Point 5 Site code SM0005		Point description: At the outlet of the chlorine contact tank						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	90 percentile limit	90 percentile value	within limit
aluminium	ug/L	monthly	12	58	216	200	216	no ¹
biochemical oxygen demand	mg/L	every 6 days	61	<2	6	15	<2	yes
chlorine (total residual)	mg/L	every 6 days	61	<0.04	<0.04	0.1	<0.04	yes
copper	ug/L	monthly	12	3.5	10.1	50	9.5	yes
diazinon	ug/L	monthly	12	<0.1	<0.1	0.1	<0.1	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	60	<30	yes
iron	ug/L	monthly	12	58	242	96	151	no ²
nickel	ug/L	monthly	12	3	5.2	16.9	4.9	yes
nitrogen (ammonia)	mg/L	every 6 days	61	0.01	14.3	1.4	0.3	yes
total suspended solids	mg/L	every 6 days	61	<2	5	10	<2	yes
zinc	ug/L	monthly	12	17	29	46	28	yes

¹ Aluminium 90th percentile EPL concentration limit exceeded for 2025-26.

² Iron 90th percentile EPL concentration limit exceeded for 2025-26.

St Marys Wastewater Treatment Plant

2025-26 Pollution Monitoring Summary

EPL 1729



Summary period: 01-07-2025 to 30-06-2026

Date published: 20-07-2026

Licensee: Sydney Water Corporation
 PO Box 399
 PARRAMATTA NSW 2124

Table 5: Average yearly summary								
EPA Point 5 Site code SM0005		Point description: At the outlet of the chlorine contact tank						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	Average limit	Average value	within limits
aluminium	ug/L	monthly	12	58	216	120	129	no ³
diazinon	ug/L	monthly	12	<0.1	<0.1	0.2	<0.1	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	30	<30	yes
iron	ug/L	monthly	12	58	242	156	112	yes
nickel	ug/L	monthly	12	3	5.2	12.3	4.3	yes
zinc	ug/L	monthly	12	17	29	37	23	yes

³ Aluminium average EPL concentration limit exceeded for 2025-26.