

# St Marys Advance Water Treatment Plant

## 2022-2023 Pollution Monitoring Summary



### EPL 13210

Summary period: 01-07-2022 to 30-06-2023

Date published: 01-09-2023

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

**Table 1: 50 percentile yearly summary**

EPA Point 2 Site code SMHTRW		Point description: Highly treated recycled water balance tank						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	50 percentile limit	50 percentile value	within limits
Ammonia NH3-N	mg/L	every 6 days	48	0.05	0.19	2	0.11	yes
nitrogen (total)	mg/L	every 6 days	48	0.15	0.56	10	0.37	yes
phosphorus (total)	mg/L	every 6 days	48	<0.002	0.011	0.2	0.002	yes

**Table 2: 90 percentile yearly summary**

EPA Point 2 Site code SMHTRW		Point description: Highly treated recycled water balance tank						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	90 percentile limit	90 percentile value	within limits
Ammonia NH3-N	mg/L	every 6 days	48	0.05	0.19	5	0.15	yes
nitrogen (total)	mg/L	every 6 days	48	0.15	0.56	15	0.50	yes
phosphorus (total)	mg/L	every 6 days	48	<0.002	0.011	0.4	0.003	yes

**Table 2: 90 percentile yearly summary**

EPA Point 1 Site code PRHTRW		Point description: The discharge channel from Penrith STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	90 percentile limit	90 percentile value	within limits
chlorine (total residual)	mg/L	every 6 days	46	<0.04	0.19	0.1	<0.04	yes

**Table 3: 100 percentile yearly summary**

EPA Point 2 Site code SMHTRW		Point description: Highly treated recycled water balance tank						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	100 percentile limit	100 percentile value	within limits
Ammonia NH3-N	mg/L	every 6 days	48	0.05	0.19	0.9	0.19	yes