

St Marys Advance Water Treatment Plant

2021-2022 Pollution Monitoring Summary



EPL 13210

Summary period: 01-07-2021 to 30-06-2022

Date published: 30-08-2022

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	18	0.02	0.14	0.3	0.1	yes
nitrogen (total)	mg/L	every 6 days	18	0.22	0.47	0.8	0.3	yes
phosphorus (total)	mg/L	every 6 days	15	<0	0.01	0.03	<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	18	0.02	0.14	0.75	0.13	yes
nitrogen (total)	mg/L	every 6 days	18	0.22	0.47	1.5	0.38	yes
phosphorus (total)	mg/L	every 6 days	15	<0	0.01	0.1	0.002	yes

Table 2: 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	18	0.02	0.14	0.9	0.14	yes

St Marys Advance Water Treatment Plant

2021-2022 Pollution Monitoring Summary



EPL 13210

Summary period: 01-07-2021 to 30-06-2022

Date published: 30-08-2022

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 3: 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	23	<0.04	0.51	0.1	0.06	yes

St Marys AWTP was offline between 1/7/21 - 22/12/21. There was no water leaving site via any process during this time.