

St Marys Advance Water Treatment Plant

2020-2021 Pollution Monitoring Summary



EPL 13210

Summary period: 01-07-2020 to 30-06-2021

Date published: 16-08-2021

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	12	0.01	0.1	2	0.04	yes
nitrogen (total)	mg/L	every 6 days	12	0.16	0.33	10	0.22	yes
phosphorus (total)	mg/L	every 6 days	12	<0.002	0.002	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	12	0.01	0.1	5	0.08	yes
nitrogen (total)	mg/L	every 6 days	12	0.16	0.33	15	0.33	yes
phosphorus (total)	mg/L	every 6 days	12	<0.002	0.002	0.4	0.002	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	12	0.01	0.1	0.9	0.1	yes

St Marys Advance Water Treatment Plant

2020-2021 Pollution Monitoring Summary



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Summary period: 01-07-2017 to 30-06-2018

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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	20	<0.04	0.47	0.1	<0.04	yes

St Marys AWTP was offline from 08/03/2021 – 30/06/2021.

There was no water leaving site via any process during this time.