

St Marys Advanced Water Treatment Plant



2023-2024 Pollution Monitoring Summary

EPL 13210

Summary period: 01-07-2023 to 30-06-2024

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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	34	0.05	0.14	0.3	0.11	yes
nitrogen (total)	mg/L	every 6 days	34	0.26	0.82	0.8	0.55	yes
phosphorus (total)	mg/L	every 6 days	34	<0.002	0.005	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	34	0.05	0.14	0.75	0.13	yes
nitrogen (total)	mg/L	every 6 days	34	0.26	0.82	1.5	0.74	yes
phosphorus (total)	mg/L	every 6 days	34	<0.002	0.005	0.1	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	34	0.05	0.14	0.9	0.14	yes

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	50	<0.04	0.43	0.1	<0.04	yes