

St Marys Advanced Water Treatment Plant

2024-2025 Pollution Monitoring Summary



EPL 13210

Summary period: 01-07-2024 to 30-06-2025

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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	0	-	-	0.3	-	-
nitrogen (total)	mg/L	every 6 days	0	-	-	0.8	-	-
phosphorus (total)	mg/L	every 6 days	0	-	-	0.03	-	-

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	0	-	-	0.75	-	-
nitrogen (total)	mg/L	every 6 days	0	-	-	1.5	-	-
phosphorus (total)	mg/L	every 6 days	0	-	-	0.1	-	-

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	0	-	-	0.9	-	-

Flow from St Marys AWTP to St Marys WRRF has been offline during the 2024-25 financial year

Table 4: 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	0	-	-	0.1	-	-

PRHTRW was offline during scheduled sampling prior to flow from St Marys AWTP to Penrith WRRF being shut off on 17/07/2024 for the remainder of the 2024-25 financial year