

St Marys Advanced Water Treatment Plant

June Pollution Monitoring Summary



EPL 13210

Summary period: 01-06-2024 to 30-06-2024
Date obtained: 02-07-2024
Date published: 15-07-2024

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: Routine monitoring data

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	mean result	maximum result
chlorine (total residual)	mg/L	every 6 days during discharge	3	<0.04	<0.04	<0.04

Average and percentile limits are only applied annually for routine monitoring data in Table 1.

As per clause M2.2 under EPL 13210, collection of samples from PRHTRW and SMHTRW are required when recycled water is discharged from EPA Points 1 and 2 respectively.

PRHTRW was not discharging on 06/06/2024 and 12/06/2024 during routine monitoring.

SMHTRW was not discharging in June during routine monitoring.

St Marys Advanced Water Treatment Plant

May Pollution Monitoring Summary



EPL 13210

Summary period: 01-05-2024 to 31-05-2024
Date obtained: 03-06-2024
Date published: 14-06-2024

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: Routine monitoring data

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	mean result	maximum result
chlorine (total residual)	mg/L	every 6 days during discharge	2	<0.04	<0.04	<0.04

Average and percentile limits are only applied annually for routine monitoring data in Table 1.

As per clause M2.2 under EPL 13210, collection of samples from PRHTRW and SMHTRW are required when recycled water is discharged from EPA Points 1 and 2 respectively.

PRHTRW was not discharging on 01/05/2024, 07/05/2024, 13/05/2024 and 31/05/2024 during routine monitoring.

SMHTRW was not discharging in May during routine monitoring.

St Marys Advanced Water Treatment Plant

April Pollution Monitoring Summary



EPL 13210

Summary period: 01-04-2024 to 30-04-2024
Date obtained: 26-04-2024
Date published: 06-05-2024

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: Routine monitoring data

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	mean result	maximum result
chlorine (total residual)	mg/L	every 6 days during discharge	3	<0.04	<0.04	<0.04
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	mean result	maximum result
conductivity	uS/cm	every 6 days during discharge	2	30.2	32	33.9
nitrogen (ammonia)	mg/L	every 6 days during discharge	2	0.1	0.12	0.13
nitrogen (total)	mg/L	every 6 days during discharge	2	0.7	0.75	0.8
phosphorus (total)	mg/L	every 6 days during discharge	2	<0.002	0.003	0.005

Average and percentile limits are only applied annually for routine monitoring data in Table 1.

As per clause M2.2 under EPL 13210, collection of samples from PRHTRW and SMHTRW are required when recycled water is discharged from EPA Points 1 and 2 respectively.

PRHTRW was not discharging on 19/04/2024 and 25/04/2024 during routine monitoring.

SMHTRW was not discharging on 07/04/2024, 19/04/2024 and 25/04/2024 during routine monitoring.

St Marys Advanced Water Treatment Plant

March Pollution Monitoring Summary



EPL 13210

Summary period: 01-03-2024 to 31-03-2024
Date obtained: 04-04-2024
Date published: 18-04-2024

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: Routine monitoring data

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	mean result	maximum result
chlorine (total residual)	mg/L	every 6 days during discharge	5	<0.04	<0.04	<0.04

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	mean result	maximum result
conductivity	uS/cm	every 6 days during discharge	4	31.9	33	33.5
nitrogen (ammonia)	mg/L	every 6 days during discharge	4	0.06	0.1	0.14
nitrogen (total)	mg/L	every 6 days during discharge	4	0.43	0.57	0.75
phosphorus (total)	mg/L	every 6 days during discharge	4	<0.002	<0.002	0.002

Average and percentile limits are only applied annually for routine monitoring data in Table 1.

As per clause M2.2 under EPL 13210, collection of samples from PRHTRW and SMHTRW are required when recycled water is discharged from EPA Points 1 and 2 respectively.

SMHTRW was not discharging on 14/03/2024 during routine monitoring.

St Marys Advanced Water Treatment Plant

February Pollution Monitoring Summary



EPL 13210

Summary period: 01-02-2024 to 29-02-2024
Date obtained: 11-03-2024
Date published: 22-03-2024

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: Routine monitoring data

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	mean result	maximum result
chlorine (total residual)	mg/L	every 6 days during discharge	5	<0.04	<0.04	0.04
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	mean result	maximum result
conductivity	uS/cm	every 6 days during discharge	2	28	29	30.6
nitrogen (ammonia)	mg/L	every 6 days during discharge	2	0.06	0.1	0.13
nitrogen (total)	mg/L	every 6 days during discharge	2	0.64	0.65	0.66
phosphorus (total)	mg/L	every 6 days during discharge	2	<0.002	<0.002	<0.002

Average and percentile limits are only applied annually for routine monitoring data in Table 1.

As per clause M2.2 under EPL 13210, collection of samples from PRHTRW and SMHTRW are required when recycled water is discharged from EPA Points 1 and 2 respectively.

SMHTRW was not discharging on 07/02/2024, 13/02/2024 and 19/02/2024 during routine monitoring.

St Marys Advanced Water Treatment Plant

January Pollution Monitoring Summary



EPL 13210

Summary period: 01-01-2024 to 31-01-2024
Date obtained: 02-02-2024
Date published: 15-02-2024

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: Routine monitoring data

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	mean result	maximum result
chlorine (total residual)	mg/L	every 6 days during discharge	5	<0.04	<0.04	0.04

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	mean result	maximum result
conductivity	uS/cm	every 6 days during discharge	3	28.1	32	34.5
nitrogen (ammonia)	mg/L	every 6 days during discharge	3	0.05	0.09	0.12
nitrogen (total)	mg/L	every 6 days during discharge	3	0.49	0.6	0.69
phosphorus (total)	mg/L	every 6 days during discharge	3	<0.002	<0.002	0.002

Average and percentile limits are only applied annually for routine monitoring data in Table 1.

As per clause M2.2 under EPL 13210, collection of samples from PRHTRW and SMHTRW are required when recycled water is discharged from EPA Points 1 and 2 respectively.

PRHTRW and SMHTRW were not discharging on 14/01/2024 and 20/01/2024 during routine monitoring.

St Marys Advanced Water Treatment Plant

December Pollution Monitoring Summary



EPL 13210

Summary period: 01-12-2023 to 31-12-2023
Date obtained: 30-12-2023
Date published: 11-01-2024

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: Routine monitoring data

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	mean result	maximum result
chlorine (total residual)	mg/L	every 6 days during discharge	5	<0.04	0.11	0.43

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	mean result	maximum result
conductivity	uS/cm	every 6 days during discharge	2	27.3	31	35.2
nitrogen (ammonia)	mg/L	every 6 days during discharge	2	0.05	0.08	0.11
nitrogen (total)	mg/L	every 6 days during discharge	2	0.46	0.58	0.69
phosphorus (total)	mg/L	every 6 days during discharge	2	<0.002	<0.002	0.002

Average and percentile limits are only applied annually for routine monitoring data in Table 1.

As per clause M2.2 under EPL 13210, collection of samples from PRHTRW and SMHTRW are required when recycled water is discharged from EPA Points 1 and 2 respectively.

SMHTRW was not discharging on 09/12/2023, 15/12/2023, and 27/12/2023 during routine monitoring.

St Marys Advanced Water Treatment Plant

November Pollution Monitoring Summary



EPL 13210

Summary period: 01-11-2023 to 30-11-2023
Date obtained: 04-12-2023
Date published: 14-12-2023

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: Routine monitoring data

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	mean result	maximum result
chlorine (total residual)	mg/L	every 6 days during discharge	5	<0.04	<0.04	<0.04

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	mean result	maximum result
conductivity	uS/cm	every 6 days during discharge	3	24.7	30	33.7
nitrogen (ammonia)	mg/L	every 6 days during discharge	3	0.05	0.09	0.12
nitrogen (total)	mg/L	every 6 days during discharge	3	0.51	0.63	0.82
phosphorus (total)	mg/L	every 6 days during discharge	3	<0.002	<0.002	0.003

Average and percentile limits are only applied annually for routine monitoring data in Table 1.

As per clause M2.2 under EPL 13210, collection of samples from PRHTRW and SMHTRW are required when recycled water is discharged from EPA Points 1 and 2 respectively.

SMHTRW was not discharging on 09/11/2023 and 21/11/2023 during routine monitoring.

St Marys Advanced Water Treatment Plant

October Pollution Monitoring Summary



EPL 13210

Summary period: 01-10-2023 to 31-10-2023
Date obtained: 02-11-2023
Date published: 16-11-2023

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: Routine monitoring data

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	mean result	maximum result
chlorine (total residual)	mg/L	every 6 days during discharge	5	<0.04	<0.04	<0.04
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	mean result	maximum result
conductivity	uS/cm	every 6 days during discharge	5	28.7	31	31.7
nitrogen (ammonia)	mg/L	every 6 days during discharge	5	0.11	0.12	0.14
nitrogen (total)	mg/L	every 6 days during discharge	5	0.51	0.61	0.74
phosphorus (total)	mg/L	every 6 days during discharge	5	<0.002	<0.002	0.002

Average and percentile limits are only applied annually for routine monitoring data in Table 1.

As per clause M2.2 under EPL 13210, collection of samples from PRHTRW and SMHTRW are required when recycled water is discharged from EPA Points 1 and 2 respectively.

St Marys Advanced Water Treatment Plant

September Pollution Monitoring Summary



EPL 13210

Summary period: 01-09-2023 to 30-09-2023

Date obtained: 05-10-2023

Date published: 13-10-2023

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: Routine monitoring data

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	mean result	maximum result
chlorine (total residual)	mg/L	every 6 days during discharge	4	<0.04	<0.04	<0.04

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	mean result	maximum result
conductivity	uS/cm	every 6 days during discharge	4	28.2	29	30
nitrogen (ammonia)	mg/L	every 6 days during discharge	4	0.06	0.09	0.13
nitrogen (total)	mg/L	every 6 days during discharge	4	0.53	0.63	0.67
phosphorus (total)	mg/L	every 6 days during discharge	4	<0.002	<0.002	0.002

Average and percentile limits are only applied annually for routine monitoring data in Table 1.

As per clause M2.2 under EPL 13210, collection of samples from PRHTRW and SMHTRW are required when recycled water is discharged from EPA Points 1 and 2 respectively.

PRHTRW and SMHTRW was not discharging on the 10/09/2023 during routine monitoring.

St Marys Advanced Water Treatment Plant

August Pollution Monitoring Summary



EPL 13210

Summary period: 01-08-2023 to 31-08-2023
Date obtained: 31-08-2023
Date published: 14-09-2023

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: Routine monitoring data

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	mean result	maximum result
chlorine (total residual)	mg/L	every 6 days during discharge	4	<0.04	<0.04	<0.04
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	mean result	maximum result
conductivity	uS/cm	every 6 days during discharge	4	23.4	27	35.5
nitrogen (ammonia)	mg/L	every 6 days during discharge	4	0.05	0.1	0.12
nitrogen (total)	mg/L	every 6 days during discharge	4	0.26	0.37	0.46
phosphorus (total)	mg/L	every 6 days during discharge	4	<0.002	<0.002	<0.002

Average and percentile limits are only applied annually for routine monitoring data in Table 1.

As per clause M2.2 under EPL 13210, collection of samples from PRHTRW and SMHTRW are required when recycled water is discharged from EPA Points 1 and 2 respectively.

PRHTRW and SMHTRW was not discharging on the 29/08/2023 during routine monitoring.

St Marys Advanced Water Treatment Plant

July Pollution Monitoring Summary



EPL 13210

Summary period: 01-07-2023 to 31-07-2023
Date obtained: 08-08-2023
Date published: 15-08-2023

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: Routine monitoring data

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	mean result	maximum result
chlorine (total residual)	mg/L	every 6 days during discharge	5	<0.04	<0.04	<0.04

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	mean result	maximum result
conductivity	uS/cm	every 6 days during discharge	5	22.9	23	23.9
nitrogen (ammonia)	mg/L	every 6 days during discharge	5	0.09	0.11	0.12
nitrogen (total)	mg/L	every 6 days during discharge	5	0.36	0.39	0.44
phosphorus (total)	mg/L	every 6 days during discharge	5	<0.002	<0.002	0.002

Average and percentile limits are only applied annually for routine monitoring data in Table 1.

As per clause M2.2 under EPL 13210, collection of samples from PRHTRW and SMHTRW are required when recycled water is discharged from EPA Points 1 and 2 respectively.