

North Richmond Water Filtration Plant

April Pollution Monitoring Summary

EPL 5425



Summary period: 01-04-2025 to 30-04-2025
 Date obtained: 09-04-2025
 Date published: 22-04-2025

Licensee: Sydney Water Corporation
 PO Box 399
 PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 4 Site code EFFQNR1		Point description: Access chamber			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
pH	pH Units	min 25 days	6.5 - 8.5	7.61	yes
total suspended solids	mg/L	min 25 days	30	8	yes

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant.

Table 2: Routine monitoring data

EPA Point 4 Site code EFFQNR1		Point description: Access chamber				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
aluminium	mg/L	min 25 days	1	-	-	0.04
chlorine (total residual)	mg/L	min 25 days	1	-	-	0.11
iron	mg/L	min 25 days	1	-	-	1.00
manganese	mg/L	min 25 days	1	-	-	0.12
pH	pH Units	min 25 days	1	-	-	7.61
total dissolved solids	mg/L	min 25 days	1	-	-	124
total suspended solids	mg/L	min 25 days	1	-	-	8

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

As per condition M2.3 under EPL 5425, samples are collected at least 12 times per each reporting period and at a minimum of 25-day intervals.

North Richmond Water Filtration Plant

March Pollution Monitoring Summary

EPL 5425



Summary period: 01-03-2025 to 31-03-2025
 Date obtained: 10-03-2025
 Date published: 19-03-2025

Licensee: Sydney Water Corporation
 PO Box 399
 PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 4 Site code EFFQNR1	Point description: Access chamber				
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
pH	pH Units	min 25 days	6.5 - 8.5	7.46	yes
total suspended solids	mg/L	min 25 days	30	4	yes

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant.

Table 2: Routine monitoring data

EPA Point 4 Site code EFFQNR1	Point description: Access chamber					
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
aluminium	mg/L	min 25 days	1	-	-	0.01
chlorine (total residual)	mg/L	min 25 days	1	-	-	0.07
iron	mg/L	min 25 days	1	-	-	0.63
manganese	mg/L	min 25 days	1	-	-	0.03
pH	pH Units	min 25 days	1	-	-	7.46
total dissolved solids	mg/L	min 25 days	1	-	-	200
total suspended solids	mg/L	min 25 days	1	-	-	4

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

As per condition M2.3 under EPL 5425, samples are collected at least 12 times per each reporting period and at a minimum of 25-day intervals.

North Richmond Water Filtration Plant

February Pollution Monitoring Summary

EPL 5425



Summary period: 01-02-2025 to 28-02-2025
Date obtained: 11-02-2025
Date published: 21-02-2025

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 4 Site code EFFQNR1		Point description: Access chamber			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
pH	pH Units	min 25 days	6.5 - 8.5	7.7	yes
total suspended solids	mg/L	min 25 days	30	<2	yes

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant.

Table 2: Routine monitoring data

EPA Point 4 Site code EFFQNR1		Point description: Access chamber				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
aluminium	mg/L	min 25 days	1	-	-	0.01
chlorine (total residual)	mg/L	min 25 days	1	-	-	<0.04
iron	mg/L	min 25 days	1	-	-	0.22
manganese	mg/L	min 25 days	1	-	-	0.07
pH	pH Units	min 25 days	1	-	-	7.7
total dissolved solids	mg/L	min 25 days	1	-	-	200
total suspended solids	mg/L	min 25 days	1	-	-	<2

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

As per condition M2.3 under EPL 5425, samples are collected at least 12 times per each reporting period and at a minimum of 25-day intervals.

North Richmond Water Filtration Plant

January Pollution Monitoring Summary

EPL 5425



Summary period: 01-01-2025 to 31-01-2025
Date obtained: 09-01-2025
Date published: 23-01-2025

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 4 Site code EFFQNR1	Point description: Access chamber				
	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
pH	pH Units	min 25 days	6.5 - 8.5	7.67	yes
total suspended solids	mg/L	min 25 days	30	4	yes

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant.

Table 2: Routine monitoring data

EPA Point 4 Site code EFFQNR1	Point description: Access chamber					
	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
aluminium	mg/L	min 25 days	1	-	-	0.02
chlorine (total residual)	mg/L	min 25 days	1	-	-	0.06
iron	mg/L	min 25 days	1	-	-	0.27
manganese	mg/L	min 25 days	1	-	-	0.05
pH	pH Units	min 25 days	1	-	-	7.67
total dissolved solids	mg/L	min 25 days	1	-	-	188
total suspended solids	mg/L	min 25 days	1	-	-	4

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

As per condition M2.3 under EPL 5425, samples are collected at least 12 times per each reporting period and at a minimum of 25-day intervals.

North Richmond Water Filtration Plant

December Pollution Monitoring Summary

EPL 5425



Summary period: 01-12-2024 to 31-12-2024
Date obtained: 10-12-2024
Date published: 17-12-2024

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 4 Site code EFFQNR1		Point description: Access chamber			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
pH	pH Units	min 25 days	6.5 - 8.5	6.28	no ¹
total suspended solids	mg/L	min 25 days	30	3	yes

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant.

Table 2: Routine monitoring data

EPA Point 4 Site code EFFQNR1		Point description: Access chamber				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
aluminium	mg/L	min 25 days	1	-	-	0.02
chlorine (total residual)	mg/L	min 25 days	1	-	-	<0.04
iron	mg/L	min 25 days	1	-	-	0.73
manganese	mg/L	min 25 days	1	-	-	0.9
pH	pH Units	min 25 days	1	-	-	6.28
total dissolved solids	mg/L	min 25 days	1	-	-	176
total suspended solids	mg/L	min 25 days	1	-	-	3

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

As per condition M2.3 under EPL 5425, samples are collected at least 12 times per each reporting period and at a minimum of 25-day intervals.

¹ pH exceedance of the 100th percentile limit occurred on 02/12/2024. Prior to cleaning sludge lagoon at North Richmond WFP, supernatant was discharged into the sludge drying bed which caused the decrease in pH. The sludge drying bed has been isolated and removed from operation.

North Richmond Water Filtration Plant

November Pollution Monitoring Summary

EPL 5425



Summary period: 01-11-2024 to 30-11-2024
Date obtained: 09-11-2024
Date published: 15-11-2024

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 4 Site code EFFQNR1	Point description: Access chamber				
	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
pH	pH Units	min 25 days	6.5 - 8.5	7.47	yes
total suspended solids	mg/L	min 25 days	30	2	yes

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant.

Table 2: Routine monitoring data

EPA Point 4 Site code EFFQNR1	Point description: Access chamber					
	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
aluminium	mg/L	min 25 days	1	-	-	0.02
chlorine (total residual)	mg/L	min 25 days	1	-	-	0.11
iron	mg/L	min 25 days	1	-	-	0.46
manganese	mg/L	min 25 days	1	-	-	0.06
pH	pH Units	min 25 days	1	-	-	7.47
total dissolved solids	mg/L	min 25 days	1	-	-	156
total suspended solids	mg/L	min 25 days	1	-	-	2

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

As per condition M2.3 under EPL 5425, samples are collected at least 12 times per each reporting period and at a minimum of 25-day intervals.

North Richmond Water Filtration Plant

October Pollution Monitoring Summary

EPL 5425



Summary period: 01-10-2024 to 31-10-2024
Date obtained: 13-10-2024
Date published: 23-10-2024

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 4 Site code EFFQNR1	Point description: Access chamber				
	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
pH	pH Units	min 25 days	6.5 - 8.5	7.43	yes
total suspended solids	mg/L	min 25 days	30	2	yes

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant.

Table 2: Routine monitoring data

EPA Point 4 Site code EFFQNR1	Point description: Access chamber					
	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
aluminium	mg/L	min 25 days	1	-	-	0.01
chlorine (total residual)	mg/L	min 25 days	1	-	-	0.10
iron	mg/L	min 25 days	1	-	-	0.33
manganese	mg/L	min 25 days	1	-	-	0.1
pH	pH Units	min 25 days	1	-	-	7.43
total dissolved solids	mg/L	min 25 days	1	-	-	130
total suspended solids	mg/L	min 25 days	1	-	-	2

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

As per condition M2.3 under EPL 5425, samples are collected at least 12 times per each reporting period and at a minimum of 25-day intervals.

North Richmond Water Filtration Plant

September Pollution Monitoring Summary

EPL 5425



Summary period: 01-09-2024 to 30-09-2024
Date obtained: 11-09-2024
Date published: 13-09-2024

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 4 Site code EFFQNR1		Point description: Access chamber			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
pH	pH Units	min 25 days	6.5 - 8.5	7.38	yes
total suspended solids	mg/L	min 25 days	30	4	yes

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant.

Table 2: Routine monitoring data

EPA Point 4 Site code EFFQNR1		Point description: Access chamber				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
aluminium	mg/L	min 25 days	1	-	-	0.02
chlorine (total residual)	mg/L	min 25 days	1	-	-	0.05
iron	mg/L	min 25 days	1	-	-	0.44
manganese	mg/L	min 25 days	1	-	-	0.03
pH	pH Units	min 25 days	1	-	-	7.38
total dissolved solids	mg/L	min 25 days	1	-	-	144
total suspended solids	mg/L	min 25 days	1	-	-	4

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

As per condition M2.3 under EPL 5425, samples are collected at least 12 times per each reporting period and at a minimum of 25-day intervals.

North Richmond Water Filtration Plant

August Pollution Monitoring Summary

EPL 5425



Summary period: 01-08-2024 to 31-08-2024
Date obtained: 15-08-2024
Date published: 27-08-2024

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 4 Site code EFFQNR1	Point description: Access chamber				
	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
pH	pH Units	min 25 days	6.5 - 8.5	7.47	yes
total suspended solids	mg/L	min 25 days	30	<2	yes

100 percentile means that 100% of samples (or all samples) taken must not exceed the limit for that pollutant.

Table 2: Routine monitoring data

EPA Point 4 Site code EFFQNR1	Point description: Access chamber					
	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
aluminium	mg/L	min 25 days	1	-	-	0.01
chlorine (total residual)	mg/L	min 25 days	1	-	-	0.04
iron	mg/L	min 25 days	1	-	-	0.35
manganese	mg/L	min 25 days	1	-	-	0.04
pH	pH Units	min 25 days	1	-	-	7.47
total dissolved solids	mg/L	min 25 days	1	-	-	109
total suspended solids	mg/L	min 25 days	1	-	-	<2

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

As per condition M2.3 under EPL 5425, samples are collected at least 12 times per each reporting period and at a minimum of 25-day intervals.

North Richmond Water Filtration Plant

July Pollution Monitoring Summary

EPL 5425



Summary period: 01-07-2024 to 31-07-2024
Date obtained: 16-07-2024
Date published: 29-07-2024

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 4 Site code EFFQNR1		Point description: Access chamber			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
pH	pH Units	min 25 days	6.5 - 8.5	7.30	yes
total suspended solids	mg/L	min 25 days	30	7	yes

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant.

Table 2: Routine monitoring data

EPA Point 4 Site code EFFQNR1		Point description: Access chamber				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
aluminium	mg/L	min 25 days	1	-	-	0.02
chlorine (total residual)	mg/L	min 25 days	1	-	-	0.12
iron	mg/L	min 25 days	1	-	-	0.68
manganese	mg/L	min 25 days	1	-	-	0.07
pH	pH Units	min 25 days	1	-	-	7.30
total dissolved solids	mg/L	min 25 days	1	-	-	114
total suspended solids	mg/L	min 25 days	1	-	-	7

Average and percentile limits are only applied annually for routine monitoring data in Table 2.

As per condition M2.3 under EPL 5425, samples are collected at least 12 times per each reporting period and at a minimum of 25-day intervals.