

Cascades Water Filtration Plant

April Pollution Monitoring Summary

EPL 4406



Summary period: 01-04-2020 to 30-04-2020

Date obtained: 25-04-2020

Date published: 08-05-2020

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 1 Site code EFFQCA	Point description: End of the discharge pipe				
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
pH	pH Units	every 90 days	6.5 - 8.5	7.96	yes
total suspended solids	mg/L	every 90 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 1 Site code EFFQCA	Point description: End of the discharge pipe					
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
aluminium	mg/L	every 90 days	1	-	-	0.01
chlorine (total residual)	mg/L	every 90 days	1	-	-	<0.04
iron	mg/L	every 90 days	1	-	-	0.05
manganese	mg/L	every 90 days	1	-	-	0.46
pH	pH Units	every 90 days	1	-	-	7.96
total dissolved solids	mg/L	every 90 days	1	-	-	242
total suspended solids	mg/L	every 90 days	1	-	-	<2

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

Cascades Water Filtration Plant

January Pollution Monitoring Summary

EPL 4406



Summary period: 01-01-2020 to 31-01-2020

Date obtained: 28-01-2020

Date published: 10-02-2020

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 1 Site code EFFQCA		Point description: End of the discharge pipe			
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
pH	pH Units	every 90 days	6.5 - 8.5	7.73	yes
total suspended solids	mg/L	every 90 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 1 Site code EFFQCA		Point description: End of the discharge pipe				
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
aluminium	mg/L	every 90 days	1	-	-	0.01
chlorine (total residual)	mg/L	every 90 days	1	-	-	<0.04
iron	mg/L	every 90 days	1	-	-	0.01
manganese	mg/L	every 90 days	1	-	-	0.03
pH	pH Units	every 90 days	1	-	-	7.73
total dissolved solids	mg/L	every 90 days	1	-	-	229
total suspended solids	mg/L	every 90 days	1	-	-	<2

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

Cascades Water Filtration Plant

October Pollution Monitoring Summary

EPL 4406



Summary period: 01-10-2019 to 31-10-2019

Date obtained: 29-10-2019

Date published: 12-11-2019

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 1 Site code EFFQCA	Point description: End of the discharge pipe				
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
pH	pH Units	every 90 days	6.5 - 8.5	8.77	no ¹
total suspended solids	mg/L	every 90 days	30	35	no ¹

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 1 Site code EFFQCA	Point description: End of the discharge pipe					
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
aluminium	mg/L	every 90 days	1	-	-	0.21
chlorine (total residual)	mg/L	every 90 days	1	-	-	0.15
iron	mg/L	every 90 days	1	-	-	3.18
manganese	mg/L	every 90 days	1	-	-	0.06
pH	pH Units	every 90 days	1	-	-	8.77
total dissolved solids	mg/L	every 90 days	1	-	-	116
total suspended solids	mg/L	every 90 days	1	-	-	35

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

¹. The upper limit for pH and Total Suspended Solids was exceeded on 21 October 2019. A higher than normal filter backwash (cleaning) water flow resulted in increased lime and solids being discharged for a short period resulting in the exceedance.

Cascades Water Filtration Plant

July Pollution Monitoring Summary

EPL 4406



Summary period: 01-07-2019 to 31-07-2019

Date obtained: 26-07-2019

Date published: 01-08-2019

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: 100 percentile data

EPA Point 1 Site code EFFQCA	Point description: End of the discharge pipe				
pollutant	unit of measure	sampling frequency	100 percentile limit	100 percentile actual	within limits
pH	pH Units	every 90 days	6.5 - 8.5	8.01	yes
total suspended solids	mg/L	every 90 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 1 Site code EFFQCA	Point description: End of the discharge pipe					
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results
aluminium	mg/L	every 90 days	1	-	-	0.01
chlorine (total residual)	mg/L	every 90 days	1	-	-	0.04
iron	mg/L	every 90 days	1	-	-	0.01
manganese	mg/L	every 90 days	1	-	-	0.21
pH	pH Units	every 90 days	1	-	-	8.01
total dissolved solids	mg/L	every 90 days	1	-	-	232
total suspended solids	mg/L	every 90 days	1	-	-	<2

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