

# Cascades Water Filtration Plant

## April Pollution Monitoring Summary

### EPL 4406



Summary period: 01-04-2018 to 30-04-2018

Date obtained: 03-05-2018

Date published: 11-05-2018

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	8.0	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	-	-	0.02
manganese	mg/L	every 90 days	1	-	-	0.07
pH	pH Units	every 90 days	1	-	-	8.0
total dissolved solids	mg/L	every 90 days	1	-	-	266
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: 01-01-2018 to 31-01-2018

Date obtained: 02-02-2018

Date published: 09-02-2018

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	7.94	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	-	-	0.06
manganese	mg/L	every 90 days	1	-	-	0
pH	pH Units	every 90 days	1	-	-	7.94
total dissolved solids	mg/L	every 90 days	1	-	-	224
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: 01-10-2017 to 31-10-2017

Date obtained: 02-11-2017

Date published: 14-11-2017

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	8.14	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	-	-	0.02
chlorine (total residual)	mg/L	every 90 days	1	-	-	<0.04
iron	mg/L	every 90 days	1	-	-	0.04
manganese	mg/L	every 90 days	1	-	-	0
pH	pH Units	every 90 days	1	-	-	8.14
total dissolved solids	mg/L	every 90 days	1	-	-	256
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

## July Pollution Monitoring Summary

### EPL 4406



Summary period: 01-07-2017 to 31-07-2017  
 Date obtained: 03-08-2017  
 Date published: 11-08-2017

**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	8.74	no*
total suspended solids	mg/L	every 90 days	30	9	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	-	-	0.09
chlorine (total residual)	mg/L	every 90 days	1	-	-	0.07
iron	mg/L	every 90 days	1	-	-	0.98
manganese	mg/L	every 90 days	1	-	-	0.02
pH	pH Units	every 90 days	1	-	-	8.74
total dissolved solids	mg/L	every 90 days	1	-	-	120
total suspended solids	mg/L	every 90 days	1	-	-	9

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

\* The upper limit of pH was exceeded on 26th July 2017 while essential maintenance occurred. During this work a small volume of water bypassed the management lagoons and caused this exceedance.

# Cascades Water Filtration Plant Correction Log

## EPL 4406



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EPA Point 1 Site code EFFQCA		Point description: End of the discharge pipe				
Pollutant	unit of measure	Original data	Corrected data	Date corrected	Date originally published	Reason
pH	pH Units	no exceedance comment provided	exceedance comment provided	05-01-18	11-08-17	No exceedance comment available at the time of publishing.