

Cascades Water Filtration Plant

2017-2018 Pollution Monitoring Summary

EPL 4406



Summary period: 01-07-2017 to 30-06-2018

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Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

Table 1: 100 percentile yearly summary

EPA Point 1 Site code EFFQA		Point description: End of the discharge pipe							
pollutant	unit of measure	sampling frequency	number of samples	minimum results	mean results	maximum results	100 percentile limit	100 percentile value	within limits
pH	pH Units	every 90 days	4	7.94	8.2	8.74	6.5 - 8.5	8.74	no ¹
total suspended solids	mg/L	every 90 days	4	<2	3	9	30	9	yes

100 percentile means that 100 % of samples (or all samples) taken must not exceed the limit for that pollutant. Details of any within limit exceptions were provided in monthly reports

¹The 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.

Table 2: Average yearly summary

EPA Point 1 Site code EFFQA		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	4	0.01	0.03	0.09
chlorine (total residual)	mg/L	every 90 days	4	<0.04	<0.04	0.07
iron	mg/L	every 90 days	4	0.02	0.27	0.98
manganese	mg/L	every 90 days	4	0	0.02	0.07
pH	pH Units	every 90 days	4	7.94	8.2	8.74
total dissolved solids	mg/L	every 90 days	4	120	217	266
total suspended solids	mg/L	every 90 days	4	<2	3	9