

West Camden Wastewater Treatment Plant

2015-16 Pollution monitoring yearly limit summaries



EPL 1675

Summary period: 01-07-2015 to 30-06-2016

Date published: 29-09-2016

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124

50 percentile yearly summary								
EPA Point 5 Site code WC0005		Point description: At the outlet of the chlorine contact tank						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	50 percentile limit	50 percentile value	within limits
carbonaceous biochemical oxygen demand	mg/L	every 6 days	61	<2	<2	10	<2	yes
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	12	>100	100	50	100	yes
nitrogen (ammonia)	mg/L	every 6 days	61	0.02	5.7	1	0.32	yes
nitrogen (total)	mg/L	every 6 days	61	3.54	16	10	8.14	yes
phosphorus (total)	mg/L	every 6 days	61	0.04	0.33	0.3	0.11	yes
total suspended solids	mg/L	every 6 days	61	<2	4	10	<2	yes

80 percentile yearly summary								
EPA Point 5 Site code WC0005		Point description: At the outlet of the chlorine contact tank						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	80 percentile limit	80 percentile value	within limits
faecal coliforms	CFU/100mL	every 6 days	61	<1	26	200	4	yes

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90 percentile yearly summary								
EPA Point 5	Point description: At the outlet of the chlorine contact tank							
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	90 percentile limit	90 percentile value	within limits
aluminium	ug/L	monthly	12	136	527	160 ¹	479	no ²
						500 ¹	484	yes
carbonaceous biochemical oxygen demand	mg/L	every 6 days	61	<2	<2	15	<2	yes
chlorine (total residual)	mg/L	every 6 days	61	<0.04	0.04	0.1	<0.04	yes
cobalt	ug/L	monthly	12	0.5	0.7	16.5	0.7	yes
copper	ug/L	monthly	12	<1	3	48	3	yes
cyanide	ug/L	monthly	12	<5	<5	340	<5	yes
diazinon	ug/L	monthly	12	<0.1	0.1	6.4	<0.1	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<5	18	300	9	yes
iron	ug/L	monthly	12	46	188	6000	78	yes
nickel	ug/L	monthly	12	2	5	14.3	5	yes
nitrogen (ammonia)	mg/L	every 6 days	61	0.02	5.7	5	1.78	yes
nitrogen (total)	mg/L	every 6 days	61	3.54	16	15	10.4	yes
phosphorus (total)	mg/L	every 6 days	61	0.04	0.33	1	0.18	yes
total suspended solids	mg/L	every 6 days	61	<2	4	15	3	yes
zinc	ug/L	monthly	12	14	25	50	21	yes

1. Aluminium licence change incorporated into EPL 1675 during 2015-16 financial year. Old limit expired 28/04/2016, new limit active from 29/04/2016.

2. The aluminium concentration limits were exceeded during the 2015-16 period. The wastewater treatment plant was performing as expected during this period.

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Average yearly summary								
EPA Point 5 Site code WC0005	Point description: At the outlet of the chlorine contact tank							
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	Average Limit	Average value	within limits
aluminium	ug/L	monthly	12	136	527	85 ¹	311	no ²
						130 ¹	427	no ²
cobalt	ug/L	monthly	12	0.5	0.7	1.8	0.6	yes
copper	ug/L	monthly	12	<1	3	11.6	2	yes
cyanide	ug/L	monthly	12	<5	<5	16.9	<5	yes
diazinon	ug/L	monthly	12	<0.1	0.1	0.8	<0.1	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<5	18	70	<5	yes
iron	ug/L	monthly	12	46	188	500	71	yes
nickel	ug/L	monthly	12	2	5	11.7	3	yes
zinc	ug/L	monthly	12	14	25	40	18	yes

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