

West Hornsby Wastewater Treatment Plant

2016-17 Pollution monitoring yearly limit summaries



EPL 1695

Summary period: 01-07-2016 to 30-06-2017

Date published: 11-08-2017

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

50 percentile yearly summary								
EPA Point 5 Site code WH0005		Point description: Downstream of the disinfection facilities						
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	16	10	<2	yes
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	12	>100	100	50	100	yes
nitrogen (ammonia)	mg/L	every 6 days	61	0.01	3.57	1	0.02	yes
nitrogen (total)	mg/L	every 6 days	61	1.16	8.26	10	4.01	yes
phosphorus (total)	mg/L	every 6 days	61	0.02	1.15	0.3	0.05	yes
total suspended solids	mg/L	every 6 days	61	<2	33	10	<2	yes

80 percentile yearly summary								
EPA Point 5 Site code WH0005		Point description: Downstream of the disinfection facilities						
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	6	3,400	200	82	yes

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90 percentile yearly summary								
EPA Point 5 Site code WH0005	Point description: Downstream of the disinfection facilities							
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	151	660	2,300	380	yes
carbonaceous biochemical oxygen demand	mg/L	every 6 days	61	<2	16	15	2	yes
copper	ug/L	monthly	12	2.5	19.5	82	7.4	yes
cyanide	ug/L	monthly	12	<5	<5	220	<5	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	310	<30	yes
iron	ug/L	monthly	12	51	2,670	17,100	590	yes
nitrogen (ammonia)	mg/L	every 6 days	61	0.01	3.57	5	1.08	yes
nitrogen (total)	mg/L	every 6 days	61	1.16	8.26	15	5.33	yes
phosphorus (total)	mg/L	every 6 days	61	0.02	1.15	1	0.24	yes
total suspended solids	mg/L	every 6 days	61	<2	33	15	6	yes
zinc	ug/L	monthly	12	11	29	100	15	yes

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Average yearly summary								
EPA Point 5 Site code WH0005	Point description: Downstream of the disinfection facilities							
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	Average Limit	Average value	within limits
aluminium	ug/L	monthly	12	151	660	380	263	yes
copper	ug/L	monthly	12	2.5	19.5	17.3	5	yes
cyanide	ug/L	monthly	12	<5	<5	16.5	<5	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	78	<30	yes
iron	ug/L	monthly	12	51	2,670	620	340	yes
zinc	ug/L	monthly	12	11	29	40	14	yes