

West Hornsby Wastewater Treatment Plant

2019-20 Pollution monitoring yearly limit summaries



EPL 1695

Summary period: 01-07-2019 to 30-06-2020

Date published: 10-08-2020

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	4	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	1.22	1	0.02	yes
nitrogen (total)	mg/L	every 6 days	61	1.88	7.16	10	4.55	yes
phosphorus (total)	mg/L	every 6 days	61	0.03	8.15	0.3	0.04	yes
total suspended solids	mg/L	every 6 days	61	<2	6	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	<1	2,300	200	79	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	131	339	2,300	320	yes
carbonaceous biochemical oxygen demand	mg/L	every 6 days	61	<2	4	15	<2	yes
copper	ug/L	monthly	12	2.2	7.2	82	6.3	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	31	198	17,100	83	yes
nitrogen (ammonia)	mg/L	every 6 days	61	0.01	1.22	5	0.33	yes
nitrogen (total)	mg/L	every 6 days	61	1.88	7.16	15	6.08	yes
phosphorus (total)	mg/L	every 6 days	61	0.03	8.15	1	0.1	yes
total suspended solids	mg/L	every 6 days	61	<2	6	15	2	yes
zinc	ug/L	monthly	12	10	22	100	18	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	131	339	380	206	yes
copper	ug/L	monthly	12	2.2	7.2	17.3	4	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	31	198	620	61	yes
zinc	ug/L	monthly	12	10	22	40	15	yes

Note: As per clause M2.4 under EPL 1695, collection of samples is required during any bypass or discharge greater than 2 hours, during normal working hours when sewage or effluent is discharged from Point 8 or 9. There was no discharge from Point 8 or 9 during the 2019-20 reporting period.