

West Hornsby Wastewater Treatment Plant

2023-24 Pollution monitoring yearly limit summaries



EPL 1695

Summary period: 01-07-2023 to 30-06-2024

Date published: 01-09-2024

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
biochemical oxygen demand	mg/L	every 6 days	61	<2	7	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	2.75	0.9	0.02	yes
nitrogen (total)	mg/L	every 6 days	61	1.64	5.21	10	2.99	yes
phosphorus (total)	mg/L	every 6 days	61	0.02	0.27	0.3	0.05	yes
total suspended solids	mg/L	every 6 days	61	<2	11	5	<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	9,100	200	22	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	115	297	620	279	yes
biochemical oxygen demand	mg/L	every 6 days	61	<2	7	15	<2	yes
copper	ug/L	monthly	12	2.4	6.3	17	4.5	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	60	<30	yes
iron	ug/L	monthly	12	22	51	1,500	36	yes
nitrogen (ammonia)	mg/L	every 6 days	61	0.01	2.75	1.4	0.10	yes
nitrogen (total)	mg/L	every 6 days	61	1.64	5.21	15	3.92	yes
phosphorus (total)	mg/L	every 6 days	61	0.02	0.27	1	0.08	yes
total suspended solids	mg/L	every 6 days	61	<2	11	10	<2	yes
zinc	ug/L	monthly	12	10	19	40	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	115	297	330	188	yes
copper	ug/L	monthly	12	2.4	6.3	8	3.8	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	30	<30	yes
iron	ug/L	monthly	12	22	51	490	31	yes
zinc	ug/L	monthly	12	10	19	26	12	yes