

West Hornsby Wastewater Treatment Plant

2024-25 Pollution monitoring yearly limit summaries



EPL 1695

Summary period: 01-07-2024 to 30-06-2025

Date published: 01-08-2025

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	12	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	4.89	0.9	0.02	yes
nitrogen (total)	mg/L	every 6 days	61	1.44	7.72	10	2.99	yes
phosphorus (total)	mg/L	every 6 days	61	0.02	0.7	0.3	0.05	yes
total suspended solids	mg/L	every 6 days	61	<2	22	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	60	<1	17,000	200	11	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	93	485	620	194	yes
biochemical oxygen demand	mg/L	every 6 days	61	<2	12	15	<2	yes
copper	ug/L	monthly	12	2.2	13.5	17	6	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	60	<30	yes
iron	ug/L	monthly	12	18	470	1,500	118	yes
nitrogen (ammonia)	mg/L	every 6 days	61	<0.01	4.89	1.4	0.22	yes
nitrogen (total)	mg/L	every 6 days	61	1.44	7.72	15	4.23	yes
phosphorus (total)	mg/L	every 6 days	61	0.02	0.7	1	0.08	yes
total suspended solids	mg/L	every 6 days	61	<2	22	10	<2	yes
zinc	ug/L	monthly	12	10	25	40	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	93	485	330	165	yes
copper	ug/L	monthly	12	2.2	13.5	8	4	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	30	<30	yes
iron	ug/L	monthly	12	18	470	490	72	yes
zinc	ug/L	monthly	12	10	25	26	14	yes