

Hornsby Heights Wastewater Treatment Plant

2024-25 Pollution monitoring yearly limit summaries



EPL 750

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 HH0005		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	18	10	<2	yes
Ceriodaphnia dubia immobilisation (EC50)	% Effluent/Vol	monthly	12	100	70.7	50	100	yes
nitrogen (ammonia)	mg/L	every 6 days	61	0.01	4.12	0.9	0.02	yes
nitrogen (total)	mg/L	every 6 days	61	1.34	18.8	10	4.58	yes
phosphorus (total)	mg/L	every 6 days	61	0.02	0.73	0.3	0.04	yes
total suspended solids	mg/L	every 6 days	61	<2	44	5	<2	yes

80 percentile yearly summary

EPA Point 5 Site code HH0005		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	23,000	200	3	yes

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90 percentile yearly summary								
EPA Point 5 Site code HH0005		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	70	688	1,100	176	yes
biochemical oxygen demand	mg/L	every 6 days	61	<2	18	15	<2	yes
copper	ug/L	monthly	12	0.8	15.7	12	4.2	yes
diazinon	ug/L	monthly	12	<0.1	<0.1	0.1	<0.1	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	60	<30	yes
iron	ug/L	monthly	12	12	1,110	1,900	202	yes
nitrogen (ammonia)	mg/L	every 6 days	61	0.01	4.12	1.4	0.72	yes
nitrogen (total)	mg/L	every 6 days	61	1.34	18.8	15	7.01	yes
phosphorus (total)	mg/L	every 6 days	61	0.02	0.73	1	0.09	yes
total suspended solids	mg/L	every 6 days	61	<2	44	10	<2	yes
zinc	ug/L	monthly	12	5	28	42	19	yes

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Average yearly summary								
EPA Point 5 Site code HH0005		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	70	688	420	149	yes
copper	ug/L	monthly	12	0.8	15.7	8	3	yes
diazinon	ug/L	monthly	12	<0.1	<0.1	0.2	<0.1	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	<30	30	<30	yes
iron	ug/L	monthly	12	12	1,110	520	131	yes
zinc	ug/L	monthly	12	5	28	19	12	yes