

Hornsby Heights Wastewater Treatment Plant

2023-24 Pollution monitoring yearly limit summaries



EPL 750

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 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	23	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	2.17	0.9	0.02	yes
nitrogen (total)	mg/L	every 6 days	61	1.06	13.6	10	2.92	yes
phosphorus (total)	mg/L	every 6 days	61	0.02	0.64	0.3	0.04	yes
total suspended solids	mg/L	every 6 days	61	<2	43	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	61	<1	420,000	200	8	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	65	415	1,100	152	yes
biochemical oxygen demand	mg/L	every 6 days	61	<2	23	15	<2	yes
copper	ug/L	monthly	12	1.4	15.1	12	4.4	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	20	674	1,900	33	yes
nitrogen (ammonia)	mg/L	every 6 days	61	0.01	2.17	1.4	0.36	yes
nitrogen (total)	mg/L	every 6 days	61	1.06	13.6	15	6.36	yes
phosphorus (total)	mg/L	every 6 days	61	0.02	0.64	1	0.14	yes
total suspended solids	mg/L	every 6 days	61	<2	43	10	<2	yes
zinc	ug/L	monthly	12	10	30	42	14	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	65	415	420	137	yes
copper	ug/L	monthly	12	1.4	15.1	8	3.4	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	20	674	520	79	yes
zinc	ug/L	monthly	12	10	30	19	14	yes