

North Head Wastewater Treatment Plant

2018-19 Pollution monitoring yearly limit summaries



EPL 378

Summary period: 01-07-2018 to 30-06-2019

Date published: 09-09-2019

Licensee: Sydney Water Corporation

PO Box 399

PARRAMATTA NSW 2124

50 percentile yearly summary

EPA Point 8 Site code NH0008		Point description: In effluent channel downstream of the dropshaft						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	50 percentile limit	50 percentile value	within limits
oil and grease	mg/L	every 6 days	60	19	78	45	47	no ¹
total suspended solids	mg/L	every 6 days	60	130	420	200	200	yes

90 percentile yearly summary

EPA Point 8 Site code NH0008		Point description: In effluent channel downstream of the dropshaft						
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	256	1,840	1,700	1,340	yes
chlorpyrifos	ug/L	monthly	12	<0.05	<0.05	4	<0.05	yes
copper	ug/L	monthly	12	88.9	164	880	148	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	200	25,300	178	yes
nonylphenol ethoxylate	ug/L	monthly	12	11	173	2,300	142	yes
oil and grease	mg/L	every 6 days	60	19	78	70	57	yes
total suspended solids	mg/L	every 6 days	60	130	420	250	270	no ²

¹. Increase in Oil and Grease influent concentration and load as well as an increase in emulsified oil and grease due to changing practices within the catchment contributed to Oil and Grease exceedance.

². Using the Northside Storage Tunnel for Northern Suburbs Ocean Outfall Sewer (NSOOS) diversions to facilitate desilting has changed pumping and loading profile of the plant contributing to higher effluent Total Suspended Solids concentrations.

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90 percentile yearly summary								
EPA Point 8 Site code NH0008		Point description: In effluent channel downstream of the dropshaft						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	90 percentile limit	90 percentile value	within limits
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	12	1.2	20	0.13	2	yes

Average yearly summary								
EPA Point 8 Site code NH0008		Point description: In effluent channel downstream of the dropshaft						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	Average Limit	Average value	within limits
aluminium	ug/L	monthly	12	256	1,840	890	785	yes
chlorpyrifos	ug/L	monthly	12	<0.05	<0.05	2.2	<0.05	yes
copper	ug/L	monthly	12	88.9	164	550	135	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	200	3,700	62	yes
nonylphenol ethoxylate	ug/L	monthly	12	11	173	610	99	yes
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	12	1.2	20	0.24	6.6	yes