

North Head Wastewater Treatment Plant

2020-21 Pollution monitoring yearly limit summaries



EPL 378

Summary period: 01-07-2020 to 30-06-2021

Date published: 13-08-2021

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	61	<5	130	45	44	yes
total suspended solids	mg/L	every 6 days	61	49	260	200	180	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	359	751	1,700	717	yes
chlorpyrifos	ug/L	monthly	12	<0.05	<0.05	4	<0.05	yes
copper	ug/L	monthly	12	110	149	880	146	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	211	25,300	122	yes
nonylphenol ethoxylate	ug/L	monthly	12	7	81	2,300	81	yes
oil and grease	mg/L	every 6 days	61	<5	130	70	52	yes
total suspended solids	mg/L	every 6 days	61	49	260	250	210	yes

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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	0.7	10.3	0.13	0.8	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	359	751	890	552	yes
chlorpyrifos	ug/L	monthly	12	<0.05	<0.05	2.2	<0.05	yes
copper	ug/L	monthly	12	110	149	550	128	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<30	211	3,700	51	yes
nonylphenol ethoxylate	ug/L	monthly	12	7	81	610	42	yes
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	12	0.7	10.3	0.24	3.8	yes

Effluent quality monitoring results obtained from EPA Point 8 are used to indicate the quality of water discharged at EPA Point 5 (deep water ocean outfall).

As per clause M2.4 under EPL 378, collection of samples from EPA Point 9 is required when sewage or effluent is discharged from EPA Point 6. There was no discharge from EPA Point 6 during the 2020-21 monitoring period.