

# North Head Wastewater Treatment Plant

## 2015-16 Pollution monitoring yearly limit summaries



### EPL 378

Summary period: 01-07-2015 to 30-06-2016

Date published: 29-09-2016

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	52	45	40	yes
total suspended solids	mg/L	every 6 days	61	49	220	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	506	2,120	1,700	1,730	no <sup>1</sup>
chlorpyrifos	ug/L	monthly	12	<0.05	<0.05	4	<0.05	yes
copper	ug/L	monthly	12	35	146	880	139	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<5	274	25,300	129	yes
nonylphenol ethoxylate	ug/L	monthly	12	18	244	2,300	213	yes
oil and grease	mg/L	every 6 days	61	<5	52	70	45	yes
total suspended solids	mg/L	every 6 days	61	49	220	250	210	yes

1. The aluminium concentration limits were exceeded during the 2015-16 period. The wastewater treatment plan was performing as expected during this period.

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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	0.56	20	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	506	2,120	890	927	no <sup>1</sup>
chlorpyrifos	ug/L	monthly	12	<0.05	<0.05	2.2	<0.05	yes
copper	ug/L	monthly	12	35	146	550	111	yes
hydrogen sulphide (unionised)	ug/L	monthly	12	<5	274	3,700	38	yes
nonylphenol ethoxylate	ug/L	monthly	12	18	244	610	133	yes
sea urchin fertilisation (EC50)	% Effluent/Vol	monthly	12	0.56	20	0.24	4.7	yes

1. The aluminium concentration limits were exceeded during the 2015-16 period. The wastewater treatment plan was performing as expected during this period.