

North Head Wastewater Treatment Plant

2020-21 Air quality pollution monitoring summaries



EPL 378

Summary period: 1-07-2019 to 30-06-2020

Date published: 16-08-2020

Licensee: Sydney Water

PO Box 399

PARRAMATTA NSW 2124

EPA Point 33		Point description: Ventilation outlet at Scotts Creek						
pollutant	unit of measure	sampling frequency	number of samples	minimum	average	maximum	maximum limit	% within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	17518	<0.004	<0.004	0.128	5	100%

EPA Point 34		Point description: Ventilation outlet at Lane Cove River West						
pollutant	unit of measure	sampling frequency	number of samples	minimum	average	maximum	maximum limit	% within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	17518	<0.004	<0.004	0.108	5	100%

EPA Point 35		Point description: Ventilation outlet at North Head STP for Northside Storage Tunnel						
pollutant	unit of measure	sampling frequency	number of samples	minimum	average	maximum	maximum limit	% within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	17518	<0.01	0.02	3.53	5	100%

Maximum limits for air quality are based on the Protection of the Environment Operations (Clean Air) Regulation 2010 - Schedule 4 Standards of concentration for scheduled premises: general activities and plant.

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EPA Point 63		Point description: Central scrubber outlet at North Head STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum	average	maximum	maximum limit	% within limits*
chlorine gas	mg/m ³	30 minutes	17518	<0.15	<0.15	2.19	200	100%
hydrogen sulphide gas	mg/m ³	30 minutes	17518	<0.075	<0.075	2.13	5	100%

EPA Point 66		Point description: Bio Trickling Filter / Standby Scrubber at North Head STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum	average	maximum	maximum limit	% within limits*
chlorine gas	mg/m ³	30 minutes	17518	<0.59	<0.59	2.56	200	100%
hydrogen sulphide gas	mg/m ³	30 minutes	17518	<0.071	0.166	9.54	5	99.9% ¹

Maximum limits for air quality are based on the *Protection of the Environment Operations (Clean Air) Regulation 2010 - Schedule 4 Standards of concentration for scheduled premises: general activities and plant*.

¹Commentary for Point 66 exceedances are included in 2020-21 monthly summary report.

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EPA Point 64		Point description: Air sampling outlet of cogeneration facility unit 1 at North Head STP				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
nitrogen oxides	mg/m ³	yearly	3	374	383	392

Yearly measurement was taken on 08-01-2021.

EPA Point 65		Point description: Air sampling outlet of cogeneration facility unit 2 at North Head STP				
pollutant	unit of measure	sampling frequency	number of samples	minimum result	mean result	maximum result
nitrogen oxides	mg/m ³	yearly	3	415	429	437

Yearly measurement was taken on 08-01-2021.