

North Head Wastewater Treatment Plant

June Pollution Monitoring Summary

Air Quality



EPL 378

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

Date obtained: 15-07-2021

Date published: 23-07-2021

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 result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.004	<0.004	5	yes

EPA Point 34	Point description: Ventilation outlet at Lane Cove River West						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.004	<0.004	5	yes

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 result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.01	0.84	5	yes

EPA Point 63	Point description: Central scrubber outlet at North Head STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
chlorine gas	mg/m ³	30 minutes	1440	<0.15	1.04	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.075	2.13	5	yes

EPA Point 66	Point description: Bio Trickling Filter / Standby Scrubber at North Head STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
chlorine gas	mg/m ³	30 minutes	1440	<0.59	<0.59	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.071	0.64	5	yes

*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.

North Head Wastewater Treatment Plant

May Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-05-2021 to 31-05-2021

Date obtained: 16-06-2021

Date published: 21-06-2021

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 result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.004	0.059	5	yes

EPA Point 34	Point description: Ventilation outlet at Lane Cove River West						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.004	0.049	5	yes

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 result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.01	3.53	5	yes

EPA Point 63	Point description: Central scrubber outlet at North Head STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
chlorine gas	mg/m ³	30 minutes	1488	<0.15	1.70	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.075	2.13	5	yes

EPA Point 66	Point description: Bio Trickling Filter / Standby Scrubber at North Head STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
chlorine gas	mg/m ³	30 minutes	1488	<0.59	<0.59	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.071	4.53	5	yes

*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.

North Head Wastewater Treatment Plant

April Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-04-2021 to 30-04-2021

Date obtained: 04-05-2021

Date published: 18-05-2021

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 result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.004	<0.004	5	yes

EPA Point 34	Point description: Ventilation outlet at Lane Cove River West						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.004	0.051	5	yes

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 result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.01	0.95	5	yes

EPA Point 63	Point description: Central scrubber outlet at North Head STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
chlorine gas	mg/m ³	30 minutes	1440	<0.15	1.75	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.075	1.06	5	yes

EPA Point 66	Point description: Bio Trickling Filter / Standby Scrubber at North Head STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
chlorine gas	mg/m ³	30 minutes	1440	<0.59	<0.59	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.071	0.62	5	yes

**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.*

North Head Wastewater Treatment Plant

March Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-03-2021 to 31-03-2021

Date obtained: 06-04-2021

Date published: 14-04-2021

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 result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.004	<0.004	5	yes

EPA Point 34	Point description: Ventilation outlet at Lane Cove River West						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.004	0.028	5	yes

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 result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.01	3.3	5	yes

EPA Point 63	Point description: Central scrubber outlet at North Head STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
chlorine gas	mg/m ³	30 minutes	1488	<0.15	1.86	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.075	0.36	5	yes

EPA Point 66	Point description: Bio Trickle Filter / Standby Scrubber at North Head STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
chlorine gas	mg/m ³	30 minutes	1488	<0.59	<0.59	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.071	0.26	5	yes

*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.

North Head Wastewater Treatment Plant

February Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-02-2021 to 28-02-2021

Date obtained: 04-03-2021

Date published: 17-03-2021

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 result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1344	<0.004	0.128	5	yes

EPA Point 34	Point description: Ventilation outlet at Lane Cove River West						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1344	<0.004	0.029	5	yes

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 result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1344	<0.01	0.1	5	yes

EPA Point 63	Point description: Central scrubber outlet at North Head STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
chlorine gas	mg/m ³	30 minutes	1344	<0.15	0.67	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1344	<0.075	0.88	5	yes

EPA Point 66	Point description: Bio Trickling Filter / Standby Scrubber at North Head STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
chlorine gas	mg/m ³	30 minutes	1344	<0.59	<0.59	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1344	<0.071	0.26	5	yes

**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.*

North Head Wastewater Treatment Plant

January Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-01-2021 to 31-01-2021
Date obtained: 04-02-2021
Date published: 12-02-2021

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 result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.004	<0.004	5	yes

EPA Point 34	Point description: Ventilation outlet at Lane Cove River West						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.004	0.09	5	yes

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 result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.01	0.83	5	yes

EPA Point 63	Point description: Central scrubber outlet at North Head STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
chlorine gas	mg/m ³	30 minutes	1488	<0.15	<0.15	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.075	1.64	5	yes

EPA Point 66	Point description: Bio Trickling Filter / Standby Scrubber at North Head STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
chlorine gas	mg/m ³	30 minutes	1488	<0.59	2.56	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.071	7.13	5	no 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.*

¹*On one occasion (12th January at 7:30am) emissions containing hydrogen sulphide were in excess of 5 mg/m³. This occurred during pump startup following multiple days of water stagnation in the Northside Storage Tunnel. Measures were taken to mitigate exceedances and as a result only one exceedance was observed at startup.*

North Head Wastewater Treatment Plant

December Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-12-2020 to 31-12-2020

Date obtained: 05-01-2021

Date published: 11-01-2021

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 result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.004	0.029	5	yes

EPA Point 34	Point description: Ventilation outlet at Lane Cove River West						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.004	0.108	5	yes

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 result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.01	1.60	5	yes

EPA Point 63	Point description: Central scrubber outlet at North Head STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
chlorine gas	mg/m ³	30 minutes	1488	<0.15	1.27	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.075	0.73	5	yes

EPA Point 66	Point description: Bio Trickling Filter / Standby Scrubber at North Head STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
chlorine gas	mg/m ³	30 minutes	1488	<0.59	1.44	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.071	9.54	5	no 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.

¹On one occasion (30th December at 3:00am) emissions containing hydrogen sulphide were in excess of 5 mg/m³. This occurred during pump startup following multiple days of water stagnation in the Northside Storage Tunnel.

North Head Wastewater Treatment Plant

November Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-11-2020 to 30-11-2020

Date obtained: 11-12-2020

Date published: 17-12-2020

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 result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.004	0.010	5	yes

EPA Point 34	Point description: Ventilation outlet at Lane Cove River West						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.004	0.074	5	yes

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 result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.01	0.03	5	yes

EPA Point 63	Point description: Central scrubber outlet at North Head STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
chlorine gas	mg/m ³	30 minutes	1440	<0.15	<0.15	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.075	1.05	5	yes

EPA Point 66	Point description: Bio Trickling Filter / Standby Scrubber at North Head STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
chlorine gas	mg/m ³	30 minutes	1440	<0.59	<0.59	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.071	0.18	5	yes

**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.*

North Head Wastewater Treatment Plant

October Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-10-2020 to 31-10-2020

Date obtained: 03-11-2020

Date published: 13-11-2020

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 result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1486	<0.004	0.008	5	yes

EPA Point 34	Point description: Ventilation outlet at Lane Cove River West						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1486	<0.004	0.051	5	yes

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 result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1486	<0.01	0.37	5	yes

EPA Point 63	Point description: Central scrubber outlet at North Head STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
chlorine gas	mg/m ³	30 minutes	1486	<0.15	2.19	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1486	<0.075	1.22	5	yes

EPA Point 66	Point description: Bio Trickling Filter / Standby Scrubber at North Head STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
chlorine gas	mg/m ³	30 minutes	1486	<0.59	<0.59	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1486	<0.071	0.18	5	yes

*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.

Note: 2 data points not recorded (04/10/20 at 2:00AM and 2:30AM) at each monitoring point due to daylight saving change.

North Head Wastewater Treatment Plant

September Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-09-2020 to 30-09-2020

Date obtained: 02-10-2020

Date published: 12-10-2020

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 result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.004	<0.004	5	yes

EPA Point 34	Point description: Ventilation outlet at Lane Cove River West						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.004	0.101	5	yes

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 result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.01	0.32	5	yes

EPA Point 63	Point description: Central scrubber outlet at North Head STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
chlorine gas	mg/m ³	30 minutes	1440	<0.15	0.59	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.075	2.13	5	yes

EPA Point 66	Point description: Bio Trickling Filter / Standby Scrubber at North Head STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
chlorine gas	mg/m ³	30 minutes	1440	<0.59	<0.59	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.071	0.18	5	yes

**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.*

North Head Wastewater Treatment Plant

August Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-08-2020 to 31-08-2020

Date obtained: 17-09-2020

Date published: 25-09-2020

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 result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.004	<0.004	5	yes

EPA Point 34	Point description: Ventilation outlet at Lane Cove River West						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.004	0.047	5	yes

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 result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.01	0.47	5	yes

EPA Point 63	Point description: Central scrubber outlet at North Head STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
chlorine gas	mg/m ³	30 minutes	1488	<0.15	1.05	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.075	2.13	5	yes

EPA Point 66	Point description: Bio Trickling Filter / Standby Scrubber at North Head STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
chlorine gas	mg/m ³	30 minutes	1488	<0.59	<0.59	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.071	0.19	5	yes

*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.

North Head Wastewater Treatment Plant

July Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-07-2020 to 31-07-2020

Date obtained: 05-08-2020

Date published: 14-08-2020

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 result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.004	<0.004	5	yes

EPA Point 34	Point description: Ventilation outlet at Lane Cove River West						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.004	<0.004	5	yes

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 result	maximum result	maximum limit	within limits*
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.01	0.18	5	yes

EPA Point 63	Point description: Central scrubber outlet at North Head STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
chlorine gas	mg/m ³	30 minutes	1488	<0.15	0.93	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.075	1.11	5	yes

EPA Point 66	Point description: Bio Trickle Filter / Standby Scrubber at North Head STP						
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	maximum limit	within limits*
chlorine gas	mg/m ³	30 minutes	1488	<0.59	2.55	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.071	2.12	5	yes

*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.