

North Head Wastewater Treatment Plant

June Pollution Monitoring Summary

Air Quality



EPL 378

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

Date obtained: 07-07-2020

Date published: 14-07-2020

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	0.007	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	0.87	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	0.57	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.075	1.37	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	1440	<0.59	1.56	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.071	1.89	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: 01-05-2020 to 31-05-2020

Date obtained: 15-06-2020

Date published: 19-06-2020

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	0.101	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	1488	<0.01	0.38	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	1.92	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.075	1.59	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	2.35	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.071	7.29	5	no ^{1,2}

¹On two occasions (28th May at 8:00am and 9:30am) emissions containing hydrogen sulphide were in excess of 5 mg/m³, relating to calibration of the online instrument.

²On one occasion (29th May at 11:00am) emissions containing hydrogen sulphide were in excess of 5 mg/m³, following maintenance works on scrubber.

*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: 01-04-2020 to 30-04-2020

Date obtained: 12-05-2020

Date published: 19-05-2020

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	0.013	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	1.11	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	2.38	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.075	1.28	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	0.48	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: 01-03-2020 to 31-03-2020

Date obtained: 08-04-2020

Date published: 21-04-2020

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	0.020	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	3.19	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	2.1	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.075	0.49	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	1.11	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: 01-02-2020 to 29-02-2020

Date obtained: 19-03-2020

Date published: 27-03-2020

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	1392	<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	1392	<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	1392	<0.01	1.82	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	1392	<0.15	7.77	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1392	<0.075	1.83	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	1392	<0.59	<0.59	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1392	<0.071	3.57	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: 01-01-2020 to 31-01-2020

Date obtained: 17-02-2020

Date published: 20-02-2020

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	1487 ¹	<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	0.013	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 ²	<0.01	4.1	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	1488	<0.15	8.55	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.075	1.77	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	1.76	5	yes

¹No data was recorded on the 3rd of January at 9:30am due to maintenance.

²Data on 4th of January at 8:00pm and 8:30pm was excluded as NST scrubber fans were offline.

*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

December Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-12-2019 to 31-12-2019

Date obtained: 10-01-2020

Date published: 15-01-2020

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	0.005	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	0.30	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	4.93	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.075	1.470	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	2.40	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.071	12.898	5	no ¹

¹. On three occasions (Monday 9th December at 07:00am, 08:30am and 11:30am the average emission containing hydrogen sulphide was in excess of 5 mg/m³).

*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

November Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-11-2019 to 30-11-2019

Date obtained: 03-12-19

Date published: 12-12-19

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	4.82	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	1.00	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.075	1.685	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	1440	<0.59	2.15	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.071	9.245	5	no ¹

¹. On three occasions (Monday 25th November at 08:00am, 09:30am and Thursday 28th November at 01:00pm the average emission containing hydrogen sulphide was in excess of 5 mg/m³).

*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: 01-10-2019 to 31-10-2019

Date obtained: 14-11-19

Date published: 22-11-19

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	1487 ¹	<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	0.082	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	0.81	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	2.98	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.075	1.393	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	2.20	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.071	7.704	5	no ²

¹ No data available on 14/01/2019 at 09:30am due to maintenance.

² On one occasion (Monday 28th October at 08:30am) the average emission containing hydrogen sulphide was in excess of 5 mg/m³. This exceedance was related to the high hydrogen sulphide load upon pump start up after weekend of stagnant conditions in Northside Storage Tunnel wet well.

*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

September Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-09-2019 to 30-09-2019

Date obtained: 09-10-19

Date published: 18-10-19

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	0.007	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	1.58	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	2.88	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.075	0.527	5	yes

EPA Point 66	Point description: Bio Trickleing 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	22.066	5	no ¹

¹. On 4 separate occasions (Monday 9th September at 8:30am, 10:30am and 12:00pm, and Sunday 15th September at 12:30am) emissions containing hydrogen sulphide were in excess of 5 mg/m³. These exceedances were related to high hydrogen sulphide load upon start up after weekend of stagnant conditions in Northside Storage Tunnel wet well, in addition to programming issues with SPS scrubber causing inability to dose hypochlorite in manual mode during a high hydrogen sulphide load event.

*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: 01-08-2019 to 31-08-2019
Date obtained: 05-09-19
Date published: 16-09-19

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	0.058	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	0.009	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	0.98	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	2.38	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.075	1.378	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	0.691	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: 01-07-2019 to 31-07-2019

Date obtained: 06-08-19

Date published: 20-08-19

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	0.020	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	2.39	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	3.67	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.075	1.117	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	10.396	5	no ¹

1. On 3 separate occasions (Sunday 21st July at 10:30pm, Wednesday 24th July at 12:00pm and Monday 29th July at 1:30pm) emissions containing hydrogen sulphide were in excess of 5 mg/m³. On each occasion, the one hour average was less than 5 mg/m³ as prescribed under the Protection of the Environment Operations (Clean Air) Regulation 2010.

*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.