

North Head Wastewater Treatment Plant

June Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-06-2022 to 30-06-2022

Date obtained: 13-07-2022

Date published: 19-07-2022

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	0.028	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	1440	<0.01	1.98	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	1440	<0.15	<0.15	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.075	1.76	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	<0.59	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.071	7.42	5	no ¹

¹ The maximum limit was exceeded on 14/06/2022 at 12:30pm due to excessive high inlet H₂S concentration during tunnel pump out. In response, the following corrective actions were performed: SPS scrubbers were cleaned, a bug in the PLC sequence controlling the fans was fixed, and probes on the SPS scrubbers were replaced. No other exceedances were observed during the June monitoring period.

*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: 01-05-2022 to 31-05-2022

Date obtained: 22-08-2022

Date published: 22-08-2022

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	0.103	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	1.06	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	1.21	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.075	2.02	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	0.68	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.071	5.48	5	no ¹

¹ The maximum limit was exceeded on the 30/05/2022 at 9:30am. Investigation showed that this was because the tunnel pump did not run the previous night except for a brief period and only started at started at 9:00am on that day, which caused a high load of hydrogen sulphide into the system. No other exceedances was observed in the May monitoring period.

*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: 01-04-2022 to 30-04-2022

Date obtained: 18-05-2022

Date published: 25-05-2022

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	0.102	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	7.1	5	no**

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	1.21	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.075	2.02	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	<0.59	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.071	0.22	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.

**The high limit indication was due to a loss of power in the NST HV System, due to VSD project planned shutdown on 30/04/2022 from 1 PM to 3:30 PM. This caused AHS51171 showing "Out of range high" alarm due to lack of power.

North Head Wastewater Treatment Plant

March Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-03-2022 to 31-03-2022

Date obtained: 11-04-2022

Date published: 15-04-2022

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	0.114	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	3.38	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	0.31	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.075	1.96	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	0.14	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: 01-02-2022 to 28-02-2022

Date obtained: 24-03-2022

Date published: 28-03-2022

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	<0.004	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	1344	<0.004	0.065	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	0.51	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	0.28	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1344	<0.075	0.83	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	1344	<0.59	<0.59	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1344	<0.071	0.15	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: 01-01-2022 to 31-01-2022

Date obtained: 09-02-2022

Date published: 14-02-2022

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	0.067	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	0.48	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	1.00	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.075	0.48	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	3.38	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

December Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-12-2021 to 31-12-2021

Date obtained: 06-01-2022

Date published: 14-01-2022

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	0.013	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	1488	<0.01	2.37	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	1488	<0.15	1.31	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.075	0.87	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	0.18	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

November Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-11-2021 to 30-11-2021

Date obtained: 03-12-2021

Date published: 17-12-2021

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	0.043	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	0.05	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	0.25	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	<0.59	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.071	0.59	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: 01-10-2021 to 31-10-2021

Date obtained: 08-11-2021

Date published: 12-11-2021

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	1486	<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	1486	<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	1486	<0.01	0.11	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	1486	<0.15	<0.15	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1486	<0.075	0.87	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	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.

North Head Wastewater Treatment Plant

September Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-09-2021 to 30-09-2021

Date obtained: 06-10-2021

Date published: 13-10-2021

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	0.006	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	0.69	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	1.56	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	<0.59	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.071	2.58	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: 01-08-2021 to 31-08-2021

Date obtained: 08-09-2021

Date published: 22-09-2021

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	<0.004	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	0.57	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	0.6	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.075	0.3	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	2.25	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: 01-07-2021 to 31-07-2021

Date obtained: 05-08-2021

Date published: 18-08-2021

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	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	1487 ¹	<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	0.12	0.74	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	1.85	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.075	1.66	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	1.29	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.071	7.07	5	no ²

*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.

¹One missing data point on 01/07/2021 at 10:00am.

²An exceedance of the maximum limit occurred on the 12th of July 2021 at 09:30am. This exceedance was due to high H₂S following pump startup after water was stagnant for >48hrs, and lower performance of the bio trickling filter due to low temperatures. Values before and after this event were below limits, ranging from 0.18 to 1.16 mg/m³.

**North Head Wastewater Treatment Plant
Pollution Monitoring Summary Air Quality Report Correction Log**

EPL 12438

Licensee: Sydney Water Corporation
PO Box 399
PARRAMATTA NSW 2124



EPA Point 66	Point description: Bio Tricking Filter / Standby Scrubber at North Head STP										
Pollutant	unit of measure	Original data			Corrected data			Date corrected	Date originally published	Monthly report	reason
		minimum	maximum	within limits	minimum	maximum	within limits				
Hydrogen sulphide gas	mg/m ³	<0.071	2.03	yes	<0.071	5.48	no ¹	22-08-22	27-06-22	May	Incorrect maximum reported