

North Head Water Resource Recovery Facility

March Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-03-2025 to 31-03-2025
Date obtained: 14-04-2025
Date published: 22-04-2025

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	0.011	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	0.122	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	0.5	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	0.42	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	2.13	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 Water Resource Recovery Facility

February Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-02-2025 to 28-02-2025
Date obtained: 01-04-2025
Date published: 04-04-2025

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	0.005	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	0.116	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	0.12	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	2.09	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1344	<0.075	0.6	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	1.49	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 Water Resource Recovery Facility

January Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-01-2025 to 31-01-2025
Date obtained: 01-04-2025
Date published: 04-04-2025

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	0.006	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	0.128	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	0.09	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	4.29	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.075	1.32	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	0.24	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 Water Resource Recovery Facility

December Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-12-2024 to 31-12-2024
Date obtained: 01-04-2025
Date published: 04-04-2025

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	0.014	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	0.010	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	0.02	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	29.5	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	0.75	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.071	1.59	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 Water Resource Recovery Facility

November Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-11-2024 to 30-11-2024
Date obtained: 17-12-2024
Date published: 18-12-2024

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	0.028	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	0.072	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	1.16	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	0.61	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.075	1.93	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	0.42	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 Water Resource Recovery Facility

October Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-10-2024 to 31-10-2024
Date obtained: 17-12-2024
Date published: 18-12-2024

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 ¹	<0.004	0.007	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 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	1486 ¹	<0.01	0.25	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 ¹	<0.15	3.07	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1486 ¹	<0.075	1.54	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 ¹	<0.59	<0.59	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1486 ¹	<0.071	1.35	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.

¹ Scheduled daylight saving changeover caused the non-existence of two data points on 06/10/2024 at 02:00 & 02:30 am.

North Head Water Resource Recovery Facility

September Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-09-2024 to 30-09-2024
Date obtained: 17-12-2024
Date published: 18-12-2024

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	0.007	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	0.039	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	0.33	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	2.77	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.075	1.45	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	2.31	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 Water Resource Recovery Facility

August Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-08-2024 to 31-08-2024
Date obtained: 17-12-2024
Date published: 18-12-2024

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	0.59	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	5.29	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.075	1.74	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	2.33	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 Water Resource Recovery Facility

July Pollution Monitoring Summary

Air Quality



EPL 378

Summary period: 01-07-2024 to 31-07-2024
Date obtained: 14-08-2024
Date published: 27-08-2024

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	0.10	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	1.17	200	yes
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.075	1.41	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	0.21	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.