North Head Water Resource Recovery Facility June Pollution Monitoring Summary Air Quality



EPL 378

Summary period: 01-06-2023 to 30-06-2023

Date obtained: 06-07-2023

Date published: 19-07-2023

Licensee: Sydney Water

PO Box 399

EPA Point 33	Point descrip	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	1,440	<0.004	<0.004	5	yes				

EPA Point 34	Point descript	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	1,440	<0.004	<0.004	5	yes			

EPA Point 35	Point descrip	oint 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	1,440	<0.01	0.33	5	yes				

EPA Point 63	Point descript	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/m³	30 minutes	1,440	<0.15	4.26	200	yes			
hydrogen sulphide gas	mg/m ³	30 minutes	1,440	<0.075	1.94	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	1,440	<0.59	1.91	200	yes		
hydrogen sulphide gas	mg/m ³	30 minutes	1,440	<0.071	19.5	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.

¹EPA Point 66 exceeded the maximum limit for hydrogen sulphide gas limit on four occasions during the June period:

^{1: 13/06/2023} at 09:00 following the start up of tunnel pump following multiple days of water stagnation in the Northside Storage Tunnel as a result of NSOOS desilting.

^{2-4: 16/06/2023} at 22:00, 16/06/2023 at 23:00 and 17/06/2023 08:00 whilst the BTF polishing scrubber was offline for maintenance/cleaning. The service provider was organised to calibrate the outlet H2S analysers.

North Head Water Resource Recovery Facility May Pollution Monitoring Summary Air Quality



EPL 378

Summary period: 01-05-2023 to 31-05-2023

Date obtained: 13-06-2023

Date published: 20-06-2023

Licensee: Sydney Water

PO Box 399

EPA Point 33	Point descrip	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	1,488	<0.004	<0.004	5	yes				

EPA Point 34	Point descrip	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	1,488	<0.004	<0.004	5	yes			

EPA Point 35	Point descript	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/m³	30 minutes	1,488	<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/m³	30 minutes	1,488	<0.15	1.07	200	yes		
hydrogen sulphide gas	mg/m ³	30 minutes	1,488	<0.075	1.30	5	yes		

EPA Point 66	Point descript	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/m³	30 minutes	1,488	<0.59	<0.59	200	yes			
hydrogen sulphide gas	mg/m³	30 minutes	1,488	<0.071	14.51	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.

¹EPA Point 66 exceeded the maximum limit for hydrogen sulphide gas limit twice during the May period on 24/05/2023 at 15:00 and 16:00 following the start up of tunnel pump following multiple days of water stagnation in the Northside Storage Tunnel as a result of NSOOS desilting.

North Head Water Resource Recovery Facility April Pollution Monitoring Summary Air Quality



EPL 378

Summary period: 01-04-2023 to 30-04-2023

Date obtained: 17-05-2023

Date published: 19-05-2023

Licensee: Sydney Water

PO Box 399

EPA Point 33	Point descrip	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	1,440	<0.004	<0.004	5	yes				

EPA Point 34	Point descrip	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	1,440	<0.004	0.048	5	yes			

EPA Point 35	Point descript	Point description: Ventilation outlet at North Head STP for Northside Storage Tunnel								
pollutant	unit of sampling number of minimum maximum maximum wit measure frequency samples result result limit lim									
hydrogen sulphide gas	mg/m³	30 minutes	1,440	<0.01	0.63	5	yes			

EPA Point 63	Point descrip	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	1,440	<0.15	0.56	200	yes			
hydrogen sulphide gas	mg/m ³	30 minutes	1,440	<0.075	1.26	5	yes			

EPA Point 66	Point descript	oint 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	1,440	<0.59	<0.59	200	yes			
hydrogen sulphide gas	mg/m ³	30 minutes	1,440	<0.071	2.65	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 March Pollution Monitoring Summary Air Quality



EPL 378

Summary period: 01-03-2023 to 31-03-2023

Date obtained: 04-04-2023

Date published: 17-04-2023

Licensee: Sydney Water

PO Box 399

EPA Point 33	Point descrip	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	0.005	5	ves			

EPA Point 34	Point descript	Point description: Ventilation outlet at Lane Cove River West									
pollutant	unit of measure										
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.004	0.037	5	yes				

EPA Point 35	Point descript	oint description: Ventilation outlet at North Head STP for Northside Storage Tunnel								
pollutant	unit of sampling number of minimum maximum maximum with measure frequency samples result result limit limit									
hydrogen sulphide gas	mg/m³	30 minutes	1488	<0.01	0.37	5	yes			

EPA Point 63	Point descript	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	0.8	200	yes			
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.075	2.13	5	yes			

EPA Point 66	Point descript	oint 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	0.41	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: 01-02-2023 to 28-02-2023

Date obtained: 17-03-2023

Date published: 24-03-2023

Licensee: Sydney Water

PO Box 399

EPA Point 33	Point descrip	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 descrip	Point description: Ventilation outlet at Lane Cove River West									
pollutant	unit of measure										
hydrogen sulphide gas	mg/m ³	30 minutes	1344	<0.004	0.113	5	yes				

EPA Point 35	Point descrip	Point description: Ventilation outlet at North Head STP for Northside Storage Tunnel								
pollutant	unit of sampling number of minimum maximum maximum wit measure frequency samples result result limit lim									
hydrogen sulphide gas	mg/m³	30 minutes	1344	<0.01	0.62	5	yes			

EPA Point 63	Point descript	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	2.36	200	yes			
hydrogen sulphide gas	mg/m ³	30 minutes	1344	<0.075	1.55	5	yes			

EPA Point 66	Point descript	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	0.30	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: 01-01-2023 to 31-01-2023

Date obtained: 10-02-2023

Date published: 17-02-2023

Licensee: Sydney Water

PO Box 399

EPA Point 33	Point descrip	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 descrip	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	0.014	5	yes				

EPA Point 35	Point description: Ventilation outlet at North Head STP for Northside Storage Tunnel									
pollutant	unit of measure									
hydrogen sulphide gas	mg/m³	30 minutes	1488	<0.01	2.73	5	yes			

EPA Point 63	Point description: Central scrubber outlet at North Head STP									
pollutant	unit of sampling number of minimum maximum maximum with measure frequency samples result result limit limit									
chlorine gas	mg/m³	30 minutes	1488	<0.15	5.97	200	yes			
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.075	2.13	5	yes			

EPA Point 66	Point descript	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	0.14	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 Water Resource Recovery Facility December Pollution Monitoring Summary Air Quality



EPL 378

Summary period: 01-12-2022 to 31-12-2022

Date obtained: 10-02-2023

Date published: 17-02-2023

Licensee: Sydney Water

PO Box 399

EPA Point 33	Point descrip	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 descrip	Point description: Ventilation outlet at Lane Cove River West									
pollutant	unit of measure										
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.004	0.028	5	yes				

EPA Point 35	Point descrip	Point description: Ventilation outlet at North Head STP for Northside Storage Tunnel									
pollutant	unit of measure										
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.01	7.1	5	no ¹				

EPA Point 63	Point description: Central scrubber outlet at North Head STP								
pollutant	unit of sampling number of minimum maximum maximum within measure frequency samples result result limit limits*								
chlorine gas	mg/m³	30 minutes	1488	<0.15	0.87	200	yes		
hydrogen sulphide gas	mg/m³	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	0.12	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.

¹Two exceedances at 13:00 & 13:30 on 10/12/2022 during plant shutdown for IW & FE valves replacement.

North Head Water Resource Recovery Facility November Pollution Monitoring Summary Air Quality



EPL 378

Summary period: 01-11-2022 to 30-11-2022

Date obtained: 06-04-2023

Date published: 26-06-2023**

Licensee: Sydney Water

PO Box 399

EPA Point 33	Point descrip	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	1439 ¹	<0.004	<0.004	5	ves				

EPA Point 34	Point descrip	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	311 ²	<0.004	<0.004	5	yes			

EPA Point 35	Point descrip	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/m³	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/m³	30 minutes	1440	<0.15	<0.15	200	yes		
hydrogen sulphide gas	mg/m ³	30 minutes	1440	<0.075	2.09	5	yes		

EPA Point 66	Point descript	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/m³	30 minutes	1440	<0.59	<0.59	200	yes			
hydrogen sulphide gas	mg/m³	30 minutes	1440	<0.071	0.917	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.

^{**} November 2023 North Head WRRF air quality report delayed due to data integration issues with instrumentation.

¹ Communication failure prevented recording of one data point on 24/11/2022 at 09:30.

² Communication failure prevented recording of 1129 data points between 01/11/2022 00:00 and 24/11/2022 12:00.

North Head Water Resource Recovery Facility October Pollution Monitoring Summary Air Quality



EPL 378

Summary period: 01-10-2022 to 31-10-2022

Date obtained: 28-11-2022

Date published: 17-02-2022¹

Licensee: Sydney Water

PO Box 399

EPA Point 33	Point descrip	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 ²	<0.004	<0.004	5	yes				

EPA Point 34	Point descrip	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 ²	<0.004	0.101	5	yes			

EPA Point 35	Point descrip	oint description: Ventilation outlet at North Head STP for Northside Storage Tunnel								
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result	_				
hydrogen sulphide gas	mg/m ³	30 minutes	1486 ²	<0.01	1.41	5	yes			

EPA Point 63	Point descript	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 ²	<0.15	0.86	200	yes			
hydrogen sulphide gas	mg/m ³	30 minutes	1486 ²	<0.075	2.13	5	yes			

EPA Point 66	Point descript	oint 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 ²	<0.59	<0.59	200	yes			
hydrogen sulphide gas	mg/m ³	30 minutes	1486 ²	<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.

¹Data republished in February 2023 as 24 missing data points became available. There was no change to the overall results.

²Scheduled daylight saving changeover caused the non-existence of two data points on 02/10/2022 at 02:00 & 02:30 am.

North Head Water Resource Recovery Facility September Pollution Monitoring Summary Air Quality



EPL 378

Summary period: 01-09-2022 to 30-09-2022

Date obtained: 20-10-2022

Date published: 25-10-2022

Licensee: Sydney Water

PO Box 399

EPA Point 33	Point descrip	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	ves				

EPA Point 34	Point descrip	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	0.012	5	yes			

EPA Point 35	Point descrip	int description: Ventilation outlet at North Head STP for Northside Storage Tunnel								
pollutant	unit of measure	sampling frequency	number of samples	minimum result	maximum result					
hydrogen sulphide gas	mg/m³	30 minutes	1440	<0.01	0.49	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/m³	30 minutes	1440	<0.15	3.4	200	yes		
hydrogen sulphide gas	mg/m³	30 minutes	1440	<0.075	1.69	5	yes		

EPA Point 66	Point descript	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/m³	30 minutes	1440	<0.59	<0.59	200	yes			
hydrogen sulphide gas	mg/m³	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 Water Resource Recovery Facility August Pollution Monitoring Summary Air Quality



EPL 378

Summary period: 01-08-2022 to 31-08-2022

Date obtained: 09-09-2022

Date published: 21-09-2022

Licensee: Sydney Water

PO Box 399

EPA Point 33	Point descrip	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 descrip	Point description: Ventilation outlet at Lane Cove River West									
pollutant	unit of measure										
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.004	0.040	5	yes				

EPA Point 35	Point descript	Point description: Ventilation outlet at North Head STP for Northside Storage Tunnel									
pollutant	unit of measure										
hydrogen sulphide gas	mg/m³	30 minutes	1488	<0.01	0.35	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/m³	30 minutes	1488	<0.15	2.86	200	yes				
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.075	1.4	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	0.18	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 Water Resource Recovery Facility July Pollution Monitoring Summary Air Quality



EPL 378

Summary period: 01-07-2022 to 31-07-2022

Date obtained: 29-08-2022

Date published: 17-02-2023¹

Licensee: Sydney Water

PO Box 399

EPA Point 33	Point descrip	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 descrip	Point description: Ventilation outlet at Lane Cove River West									
pollutant	unit of measure										
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.004	0.086	5	yes				

EPA Point 35	Point descript	Point description: Ventilation outlet at North Head STP for Northside Storage Tunnel									
pollutant	unit of measure										
hydrogen sulphide gas	mg/m³	30 minutes	1488	<0.01	0.76	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/m³	30 minutes	1488	<0.15	<0.15	200	yes		
hydrogen sulphide gas	mg/m ³	30 minutes	1488	<0.075	1.16	5	yes		

EPA Point 66	Point descrip	Point description: Bio Trickling Filter / Standby Scrubber at North Head STP									
pollutant	unit of measure										
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.

¹Data republished in February 2023 as two missing data points became available. There was no change to the overall results.

North Head Water Resource Recovery Facility Pollution Monitoring Summary Correction Log

EPL 378

Licensee: Sydney Water Corporation PO Box 399



EPA Point 33	Point description: Ventilation outlet at Scotts Creek												
Pollutant	unit of		Original d	ata		Corrected data				Date	Date originally		
	measure	number of samples	minimum	mean	maximum	number of samples	minimum	mean	maximum	corrected	published	Monthly report	Reason
hydrogen sulphide gas	mg/m ³	1486				1488				16/01/2023	31-8-22	July	Data replenished, missing data updated.
hydrogen sulphide gas	mg/m ³	1482				1486				16/01/2023	31-8-22	October	Data replenished, missing data updated.

EPA Point 34	Point description: Ventilation outlet at Lane Cove River West												
Pollutant	unit of	Original data					Correcte	ed data		Date	Date originally		
	measure	number of samples	minimum	mean	maximum	number of samples	minimum	mean	maximum	corrected	published	Monthly report	Reason
hydrogen sulphide gas	mg/m ³	1486				1488				16/01/2023	31-8-22	July	Data replenished, missing data updated.
hydrogen sulphide gas	mg/m ³	1459				1486				16/01/2023	31-8-22	October	Data replenished, missing data updated.

EPA Point 63	Point description: Central scrubber outlet at North Head STP												
Pollutant	unit of	Original data					Corrected	data		Date	Data originally		
	measure	number of samples	minimum	mean	maximum	number of samples	minimum	mean	maximum	corrected	Date originally published	Monthly report	Reason
hydrogen sulphide gas	mg/m ³		2.69				2.09			19/07/2023	26/06/23	November	Formula error in source data