Hunter Power Station Monthly EPL Monitoring Data Report
October 2026

Premises Details

Environment Protection Licence No. 21627
Licencee's Name Snowy Hydro Limited
Premises Name Hunter Power Station
Premises Address 1 Hart Road, Loxford NSW 2326
Link to EPA Public Register Click Here
Link to EPL21627 on EPA Public Register Click Here

Summary of Air Emission Monitoring Data - Unit 1

Monitoring Location / EPA ID No.	Pollutant	Unit of Measure	Monitoring Frequency	Monitoring Period	Date Data Obtained	Published Date	Min Hourly Average	Mean Hourly Average	Max Hourly Average	100 %ile Concentration Limit	Comment
1	Nitrogen Oxides (Gas Generation)	mg/m^3	Continuous	October 2026	10 Oct 2026	10 Oct 2026	37.8	41.1	45.7	103	Commissioning Activities
1	Carbon Monoxide (Gas Generation)	mg/m^3	Continuous	October 2026	10 Oct 2026	10 Oct 2026	0.1	1.0	2.1	7500 / 12.5	Commissioning Activities
1	Nitrogen Oxides (Diesel Generation)	mg/m^3	Continuous	October 2026	10 Oct 2026	10 Oct 2026	0.0	0.0	0.0	123	No diesel commissioning activities during the month
1	Carbon Monoxide (Diesel Generation)	mg/m^3	Continuous	October 2026	10 Oct 2026	10 Oct 2026	0.0	0.0	0.0	12500 / 63	No diesel commissioning activities during the month
1	Moisture	%	Continuous	October 2026	10 Oct 2026	10 Oct 2026	0.9	1.7	7.5	N/A	
1	Oxygen	%	Continuous	October 2026	10 Oct 2026	10 Oct 2026	14.4	20.6	20.9	N/A	
1	Temperature	°C	Continuous	October 2026	10 Oct 2026	10 Oct 2026	12.8	27.5	610.8	N/A	
1	Velocity	m/s	Continuous	October 2026	10 Oct 2026	10 Oct 2026	0.1	0.1	16.3	N/A	
1	Volumetric Flowrate	m^3/s	Continuous	October 2026	10 Oct 2026	10 Oct 2026	0.4	0.9	138.9	N/A	

Summary of Air Emission Monitoring Data - Unit 2

Monitoring Location / EPA ID No.	Pollutant	Unit of Measure	Monitoring Frequency	Monitoring Period	Date Data Obtained	Published Date	Min Hourly Average	Mean Hourly Average	Max Hourly Average	100 %ile Concentration Limit	Comment
2	Nitrogen Oxides (Gas Generation)	mg/m^3	Continuous	October 2026	10 Oct 2026	10 Oct 2026	44.6	48.1	50.4	103	Commissioning Activities
2	Carbon Monoxide (Gas Generation)	mg/m^3	Continuous	October 2026	10 Oct 2026	10 Oct 2026	0.2	0.2	0.2	7500 / 12.5	Commissioning Activities
2	Nitrogen Oxides (Diesel Generation)	mg/m^3	Continuous	October 2026	10 Oct 2026	10 Oct 2026	0.0	0.0	0.0	123	No diesel commissioning activities during the month
2	Carbon Monoxide (Diesel Generation)	mg/m^3	Continuous	October 2026	10 Oct 2026	10 Oct 2026	0.0	0.0	0.0	12500 / 63	No diesel commissioning activities during the month
2	Moisture	%	Continuous	October 2026	10 Oct 2026	10 Oct 2026	0.4	1.6	6.4	N/A	
2	Oxygen	%	Continuous	October 2026	10 Oct 2026	10 Oct 2026	5.1	20.7	20.9	N/A	
2	Temperature	°C	Continuous	October 2026	10 Oct 2026	10 Oct 2026	14.1	29.4	624.7	N/A	
2	Velocity	m/s	Continuous	October 2026	10 Oct 2026	10 Oct 2026	0.1	0.7	45.6	N/A	
2	Volumetric Flowrate	m^3/s	Continuous	October 2026	10 Oct 2026	10 Oct 2026	0.5	8.3	884.5	N/A	

Notes on air emission monitoring data summaries for Units 1 and 2:

- Sampling is undertaken in accordance with the "Approved Methods for the Sampling and Analysis of Air Pollutants in NSW", US EPA Procedure 1, Method CEM-2 (Nitrogen Oxides), & CEM-4 (Carbon Monoxide)
- Sample Type and Location: Discharges to air from turbine exhaust stacks
- The 100%ile Concentration Limit for Nitrogen Oxides and Carbon Monoxide are specified as 'Hourly Average' in EPL21627. As per the averaging periods specified in the POEO (Clean Air) Regulation 2022, the averaging period for Nitrogen Oxides is a ' 1 hour block', and for Carbon Monoxide it is '1 hour rolling'.
- For the purpose of the licence, Nitrogen Oxides means: Nitrogen Dioxide (NO2) or Nitric Oxide (NO) or both, as NO2 equivalent.
- mg/m^3 refers to milligrams per cubic metre
- Data presented for Nitrogen Oxides represents periods of commissioning/generation only

Summary of Surface Water Discharge Monitoring Data

Monitoring Location / EPA ID No.	Pollutant	Unit of Measure	Monitoring Frequency	Date Sampled	Date Data Obtained	Published Date	Result	EPL Concentration Limit	Comment
3	Oil and Grease	mg/L	Monthly during discharge	22 Oct 2026	29 Oct 2026	10 Nov 2026	<5	N/A	
3	pH	pH	Monthly during discharge	22 Oct 2026	29 Oct 2026	10 Nov 2026	7.8	N/A	
3	Total Solids	mg/L	Monthly during discharge	22 Oct 2026	29 Oct 2026	10 Nov 2026	120	N/A	
3	Total Suspended Solids	mg/L	Monthly during discharge	22 Oct 2026	29 Oct 2026	10 Nov 2026	11	N/A	
3	Turbidity	NTU	Monthly during discharge	22 Oct 2026	29 Oct 2026	10 Nov 2026	21	N/A	

Notes on surface water discharge monitoring summary:

- The sampling method for surface water quality is a grab sample in accordance with Condition M2.5 of EPL21627.
- Sample Type and Location: surface water discharges from the stormwater discharge outlet.
- mg/L refers to milligrams per litre, NTU refers to nephelometric turbidity units

Summary of Meteorological Monitoring Data

Monitoring Location / EPA ID No.	Pollutant	Unit of Measure	Monitoring Frequency	Monitoring Period	Date Data Obtained	Published Date	Min	Average	Max	Comment
4	Temperature at 2 metres	degrees Celcius	Continuous	October 2026	9 Nov 2026	10 Nov 2026	6.8	19.5	37.0	
4	Wind Direction at 10 metres	degrees Celcius	Continuous	October 2026	9 Nov 2026	10 Nov 2026	0.0	173.6	359.9	
4	Wind Speed at 10 metres	metres per second	Continuous	October 2026	9 Nov 2026	10 Nov 2026	0.1	2.5	12.5	
4	Sigma Theta	degrees Celcius	Continuous	October 2026	9 Nov 2026	10 Nov 2026	1.2	14.3	79.6	
4	Rainfall	millimetres	Continuous	October 2026	9 Nov 2026	10 Nov 2026	0.0	0.7	12.6	39.6 mm total
4	Relative Humidity	percent humidity	Continuous	October 2026	9 Nov 2026	10 Nov 2026	17.6	69.2	97.3	

Notes on meteorological monitoring summary:

- Sampling is undertaken in accordance with the "Table of AM-coded methods for ambient air monitoring", AM-2 (Wind Speed & Direction, Sigma Theta), and AM-4 (All parameters).
- Sample Type and Location: Meteorological Monitoring from the onsite weather station
- Data presented is the monthly average for each parameter, except rainfall which is daily.

Correction Log

Monitoring Location / EPA ID No.	Pollutant	Unit of Measure	Monitoring Frequency	Monitoring Period	Original Data	Date Originally Published	Corrected Data	Date Corrected	Reason for Correction

Aerial Image and Monitoring Locations *(Note: Site boundaries and monitoring locations displayed are indicative only.)*

