

Appin Power Station
Licence Number: 5482
Licence Holder: EDL CSM (NSW) PTY LTD
Licensee Address: Appin Coal Seam Methane Power Station
 Northhampton Dale Road Appin NSW 2560



Dates: FY 2024-25
Frequency: Continuous monitoring for ambient NOx, O3 (taken off site) and point source NO3 air emissions;
 Spot sampling weekly during discharge for First Flush pH and, oil and grease (O&G);
 Spot sampling monthly for Process Water Effluent pH and oil and grease (O&G);
 Spot sampling monthly for Septic Effluent biological oxygen demand (BOD), fecal coliforms (FC), total nitrogen (TN), TDS, total phosphorus (TP).

| Month | Location of monitoring point | Sampled | Obtained | Published | Pollutant | Units | Monitoring frequency (licence) | Measurement during month | Min | Mean | Max | Licence limit | Exceedance (Yes/No) |
|---------|---|----------|----------|-----------|-----------|-----------|--------------------------------|--------------------------|-------------|------|------|---------------|---------------------|
| Jul-24 | Point 13 - Air emissions monitoring | | 26/07/24 | 6/08/24 | NOx | ppm | Continuous | Continuous | <2878 g/min | | | <2878 g/min | No |
| | Point 11 - First Flush Effluent quality monitoring | | 3/08/24 | 6/08/24 | O&G | visible | Weekly during discharge | 7 | Nil | | | nil visual | No |
| | | | 3/08/24 | 6/08/24 | pH | | Weekly during discharge | 7 | 7.10 | 7.15 | 7.32 | 6.5-8.5 | No |
| | Point 12 - Process Water Effluent quality monitoring | 4/07/24 | 24/07/24 | 6/08/24 | O&G | visible | Monthly | 1 | <5 | | | nil visual | No |
| | | 4/07/24 | 24/07/24 | 6/08/24 | pH | | Monthly | 1 | 7.06 | | | 6.5-8.5 | No |
| | Point 16 - Septic waste water Effluent quality monitoring | 4/07/24 | 24/07/24 | 6/08/24 | BOD | mg/L | Monthly | 1 | 14 | | | | |
| | | 4/07/24 | 24/07/24 | 6/08/24 | FC | cfu/100mL | Monthly | 1 | <10 | | | | |
| | | 4/07/24 | 24/07/24 | 6/08/24 | TN | mg/L | Monthly | 1 | 34 | | | | |
| 4/07/24 | | 24/07/24 | 6/08/24 | TDS | mg/L | Monthly | 1 | 583 | | | | | |
| 4/07/24 | | 24/07/24 | 6/08/24 | TP | mg/L | Monthly | 1 | 19 | | | | | |
| Aug-24 | Point 13 - Air emissions monitoring | | TBD | TBD | NOx | ppm | Continuous | Continuous | TBD | | | <2878 g/min | TBD |
| | Point 11 - First Flush Effluent quality monitoring | | 3/09/24 | 3/09/24 | O&G | visible | Weekly during discharge | 9 | Nil | | | nil visual | No |
| | | | 3/09/24 | 3/09/24 | pH | | Weekly during discharge | 9 | 6.76 | 7.08 | 7.57 | 6.5-8.5 | No |
| | Point 12 - Process Water Effluent quality monitoring | 8/08/24 | 22/08/24 | 3/09/24 | O&G | visible | Monthly | 1 | <5 | | | nil visual | No |
| | | 8/08/24 | 22/08/24 | 3/09/24 | pH | | Monthly | 1 | 6.64 | | | 6.5-8.5 | No |
| | Point 16 - Septic waste water Effluent quality monitoring | 8/08/24 | 22/08/24 | 3/09/24 | BOD | mg/L | Monthly | 1 | <5 | | | | |
| | | 8/08/24 | 22/08/24 | 3/09/24 | FC | cfu/100mL | Monthly | 1 | 190 | | | | |
| | | 8/08/24 | 22/08/24 | 3/09/24 | TN | mg/L | Monthly | 1 | 68 | | | | |
| 8/08/24 | | 22/08/24 | 3/09/24 | TDS | mg/L | Monthly | 1 | 552 | | | | | |
| 8/08/24 | 22/08/24 | 3/09/24 | TP | mg/L | Monthly | 1 | 12 | | | | | | |
| Sep-24 | Point 13 - Air emissions monitoring | | TBD | TBD | NOx | ppm | Continuous | Continuous | TBD | | | <2878 g/min | TBD |
| | Point 11 - First Flush Effluent quality monitoring | | 3/10/02 | 3/10/24 | O&G | visible | Weekly during discharge | 10 | Nil | | | nil visual | No |
| | | | 3/10/24 | 3/10/24 | pH | | Weekly during discharge | 10 | 7.20 | 7.4 | 7.6 | 6.5-8.5 | No |
| | Point 12 - Process Water Effluent quality monitoring | 4/09/24 | 17/09/24 | 19/09/24 | O&G | visible | Monthly | 1 | <5 | | | nil visual | No |
| | | 4/09/24 | 17/09/24 | 19/09/24 | pH | | Monthly | 1 | 7.49 | | | 6.5-8.5 | No |
| | Point 16 - Septic waste water Effluent quality monitoring | 4/09/24 | 17/09/24 | 19/09/24 | BOD | mg/L | Monthly | 1 | <5 | | | | |
| | | 4/09/24 | 12/09/24 | 19/09/24 | FC | cfu/100mL | Monthly | 1 | <10 | | | | |
| | | 4/09/24 | 17/09/24 | 19/09/24 | TN | mg/L | Monthly | 1 | 60 | | | | |
| 4/09/24 | | 17/09/24 | 19/09/24 | TDS | mg/L | Monthly | 1 | 525 | | | | | |
| 4/09/24 | 17/09/24 | 19/09/24 | TP | mg/L | Monthly | 1 | 15 | | | | | | |