

CiSCO Cogen
Centennial, Colorado
Turbine-1 Daily Emission Compliance Report
September 18, 2019

1-Hour
NOx lb/mmBtu - 0.2

Emission Limits
8-Hour Rolling
CO lb/hr - 83 (100% Load)

24-Hour Rolling
NOx lb/hr - 41
NOx ppm @15% O2 - 6 (<80% Load)
NOx ppm @15% O2 - 4.5 (80-100% Load)
CO ppm @15% O2 - 15 (100% Load)

| Hour | NOx ppm @15%O2 | *24-Hr Rlng NOx ppm @15% O2 | **Limit | NOx lb/mmBtu | NOx lb/hr | *24-Hr Rlng NOx lb/hr | CO ppm @15% O2 | *24-Hr Rlng CO ppm @15% O2 | 24-Hr Rlng CO ppm @15% O2 at 100% Load | CO lb/hr | *8-Hr Rlng CO lb/hr | 8-Hr Rlng CO lb/hr at 100% Load | 8-Hr Rlng % Load |
|------|----------------|-----------------------------|---------|--------------|-----------|-----------------------|----------------|----------------------------|--|----------|---------------------|---------------------------------|------------------|
| 00 | 5.1 | 30.4 | 6.0 | 0.019 | 21.4 | 126 | 4 | 4 | Inval | 10.1 | 10.1 | Inval | 50 |
| 01 | 5.1 | 29.0 | 6.0 | 0.019 | 21.4 | 120 | 4 | 4 | Inval | 10.1 | 10.1 | Inval | 50 |
| 02 | 5.1 | 27.5 | 6.0 | 0.019 | 21.4 | 114 | 4 | 4 | Inval | 10.1 | 10.1 | Inval | 50 |
| 03 | 5.1 | 26.0 | 6.0 | 0.019 | 21.4 | 108 | 4 | 4 | Inval | 10.1 | 10.1 | Inval | 50 |
| 04 | 5.1 | 24.5 | 6.0 | 0.019 | 21.4 | 101 | 4 | 4 | Inval | 10.1 | 10.1 | Inval | 50 |
| 05 | 5.1 | 23.0 | 6.0 | 0.019 | 21.4 | 95 | 4 | 4 | Inval | 10.1 | 10.1 | Inval | 50 |
| 06 | 5.1 | 21.5 | 6.0 | 0.019 | 21.4 | 89 | 4 | 4 | Inval | 10.1 | 10.1 | Inval | 50 |
| 07 | 5.1 | 20.1 | 6.0 | 0.019 | 21.4 | 83 | 4 | 4 | Inval | 10.1 | 10.1 | Inval | 50 |
| 08 | 5.2 | 18.6 | 6.0 | 0.019 | 21.4 | 77 | 4 | 4 | Inval | 10.1 | 10.1 | Inval | 50 |
| 09 | 5.1 | 17.1 | 6.0 | 0.019 | 21.4 | 71 | 4 | 4 | Inval | 10.1 | 10.1 | Inval | 50 |
| 10 | 5.1 | 15.6 | 6.0 | 0.019 | 21.4 | 65 | 4 | 4 | Inval | 10.1 | 10.1 | Inval | 50 |
| 11 | 2.7 | 14.0 | 6.0 | 0.010 | 11.3 | 58 | 4 | 4 | Inval | 10.1 | 10.1 | Inval | 50 |
| 12 | 2.6 | 12.4 | 6.0 | 0.009 | 10.1 | 52 | 4 | 4 | Inval | 10.1 | 10.1 | Inval | 50 |
| 13 | 2.6 | 10.8 | 6.0 | 0.009 | 10.1 | 45 | 4 | 4 | Inval | 10.1 | 10.1 | Inval | 50 |
| 14 | 2.6 | 9.2 | 6.0 | 0.009 | 10.1 | 38 | 4 | 4 | Inval | 10.1 | 10.1 | Inval | 50 |
| 15 | 2.7 | 7.6 | 6.0 | 0.010 | 11.2 | 32 | 4 | 4 | Inval | 10.1 | 10.1 | Inval | 50 |
| 16 | 2.6 | 6.1 | 6.0 | 0.009 | 10.1 | 25 | 4 | 4 | Inval | 10.1 | 10.1 | Inval | 50 |
| 17 | 2.7 | 4.5 | 6.0 | 0.010 | 11.3 | 19 | 4 | 4 | Inval | 10.1 | 10.1 | Inval | 50 |
| 18 | 2.7 | 4.3 | 6.0 | 0.010 | 11.2 | 18 | 4 | 4 | Inval | 10.1 | 10.1 | Inval | 50 |
| 19 | 2.6 | 4.2 | 6.0 | 0.009 | 10.1 | 17 | 4 | 4 | Inval | 10.1 | 10.1 | Inval | 50 |
| 20 | 2.6 | 4.1 | 6.0 | 0.010 | 11.3 | 17 | 4 | 4 | Inval | 10.1 | 10.1 | Inval | 50 |
| 21 | 2.6 | 4.0 | 6.0 | 0.010 | 11.3 | 17 | 4 | 4 | Inval | 10.1 | 10.1 | Inval | 50 |
| 22 | 2.6 | 3.9 | 6.0 | 0.009 | 10.1 | 16 | 4 | 4 | Inval | 10.1 | 10.1 | Inval | 50 |
| 23 | 2.6 | 3.8 | 6.0 | 0.009 | 10.1 | 16 | 4 | 4 | Inval | 10.1 | 10.1 | Inval | 50 |

*Emission during startup/shutdown hour is not included in calculation.

**Emission limit for NOx ppm@15% O2 24-hour rolling-average.

**The limit is calculated by using the equation of weighted average NOx concentration limit for the preceding 24-hour period.