

Commonwealth of Pennsylvania
Department of Environmental Resources
Bureau of Air Quality Control

RACT APPROVAL


PERMIT NUMBER :OP 25-923

Owner:	Norcon Power Partners, L.P.	Source &	See
Address:	10915 Ackerman Rd., Box 512	Air Cleaning	attached
	North East, PA 16428	Device	Page 4
Attention:	Mr. Jack Gault VP & Manager	Location:	Cogeneration Project Ackerman Rd. North East, Erie County

In accordance with provisions of the Air Pollution Control Act, the Act of January 8, 1960, P. L. 2119, as amended, and with Chapter 127 of the Rules and Regulations of the Department of Environmental Resources, the Department on **SEP 21 1995** approved plans for achieving compliance by the above indicated air contamination source(s) with the requirements of 25 Pa Code Section 129.91 through 129.95.

The operating permit is subject to the following conditions:

1. The facility is to be operated in accordance with the plan submitted with the application as approved herein.
2. Implementation of the RACT must be completed no later than May 31, 1995.
3. See attached.


Larry W. Wonders
Regional Air Quality Manager

3. The following maximum allowable emission limits are established for each gas turbine and duct burner:

<u>Pollutant</u>	<u>Turbine</u>	<u>Duct Burner</u>	<u>Total</u>
NOx(ppmvd)	21.0	7.4	28.4
(lbs/hr)	26.0	6.3	32.3
VOC(ppmvd)	105.0	127.0	232.0
(lbs/hr)	---	2.1	----

5. Annual emissions from the two gas turbines and the duct burners combined shall not exceed 242.0 tons/yr.
6. The maximum annual NOx emissions from all three diesel generators combined shall not exceed 30.5 tons/yr.
7. The total operation time combined for two generators (900 kW, 1332 HP) and 500 kW (749 HP) diesel generators shall not exceed 1616 hrs/yr and 277 hrs/yr, respectively in any calendar year.
8. The maximum NOx emission from each diesel generator shall not exceed 5 gm/bhp-hr.
9. The maximum NOx emission from the auxiliary boiler (100.4 MMBTU/hr) shall not exceed 0.1 lb/MMBTU and 12.4 tons/yr.
10. The total operating time for the auxiliary boiler shall not exceed 1700 hrs/yr in any calendar year.
11. The two gas turbines and duct burners shall not be in operation concurrently with the auxiliary boiler and two emergency diesel generators (900 kW, 1332 HP) located at

this facility except for up to 48 hrs/yr in a calendar year to accommodate start up and shut down of gas turbines and during testing.

12. Continuous emission monitors for nitrogen oxides shall be operated and maintained in accordance with 25 Pa Code Chapter 139.

13. NORCON shall maintain records as follows:

- A. The Company shall maintain records in accordance with the record keeping requirements 25 Pa Code Section 129.95
 1. The records shall provide sufficient data and calculations to clearly demonstrate that the requirements of 25 Pa Code Sections 129.91-94 are met and verify all above conditions.
 2. Records shall be retained for at least 2 years and shall be made available to the Department on request.
- B. All CEM reports shall be submitted to the Department within thirty (30) days after each quarter, but no later than the time frame established in the Department's latest Continuous Source Monitoring Manual.

SOURCE AND AIR CLEANING DEVICE

2 Gas fired Turbines,
324 MMBTU/hr
(GE. LM5000-PC Turbines)

Steam Injection & Oxidation
Catalyst
(Stewart & Stevenson; W.R. Grace)

Duct Burners, 80 MMBTU/hr
(COEN duct burners)

Gas fired Auxiliary Boiler,
100.4 MMBTU/hr
(Keystone, Model 22M)

Low NOx Burner with Flue Gas
Recirculation (FGR)

2 Diesel Generators, (900 kW, 1332 HP)
(Caterpillar, Model # 3512)

Diesel Generator, (500 KW, 749 HP)
(Caterpillar Model # 3412)