
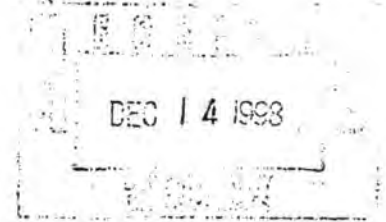


Commonwealth of Pennsylvania
Department of Environmental Protection
Bureau of Air Quality

Revised 
~~RACT~~ APPROVAL

PERMIT NUMBER : OP 43-196

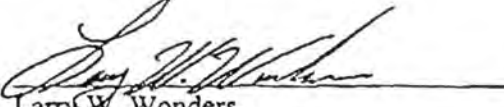


Owner:	GE Transportation Systems	Source &	See attached
Address:	1503 W. Main St. Ext. Grove City, PA 16127	Air Cleaning Device	Page 5
Attention:	Mr. Mark D. Restifo Mgr. Environmental Compliance	Location:	Industrial Dr. Grove City Mercer Co.

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 Protection, the Department on December 11, 1998 revised the RACT Approval issued on July 27, 1995 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. The facility shall implement the RACT plan by May 31, 1995.
3. See attached.


Larry W. Wonders
Regional Air Quality Manager

4. Total NOx and VOC emissions from the facility shall not exceed 398 tons/yr, and 48.6 tons/yr, respectively. (See condition #22)
 5. NOx emissions from the diesel fire pump shall not exceed 1.4 tons/yr in a consecutive 12-month period. General Electric shall maintain daily fuel consumption records for the diesel fire pump, when in operation. Within 30 days of the end of each calendar year, a report containing fuel consumption and NOx emissions shall be submitted to the Department.
 6. Engine cleaning operations with mineral spirits will be shut down May 31, 1995. This operation shall not be restated without obtaining approval from the Department.
 7. The VOC emissions from the engine cleaning operations shall not exceed 1.0 ton/yr.
 8. NOx and VOC emissions from the 400 HP boiler shall not exceed 5.66 tons/yr and 0.24 tons/yr based on a 12-month rolling average. General Electric shall perform annual tune-ups or adjustments to the 400 HP boiler as per 25 Pa Code 129.93 (b)(2)-(5). Records of the tune-ups shall be retained on site for a minimum of 5 years and shall be made available to Department personnel upon request.
 9. The 800 HP boiler shall be operated and maintained in accordance with the manufacturer's specifications as per 25 Pa Code 129.93 (c)(5). General Electric shall perform an adjustment or tune-up when the boiler has operated 500 hours. Records of the tune-up including the date and hours of operation shall be retained on site for a minimum of 5 years and shall be made available to Department personnel upon request.
 10. The two natural gas emergency generators shall be operated and maintained in accordance with the manufacturer's specifications as per 25 Pa Code 129.93 (c)(5). The two generators shall each be limited to less than 500 hours of operation in a consecutive 12-month period. Records of operation shall be retained on site for a minimum of 5 years and shall be made available to Department personnel upon request.
 11. Fuel consumption shall be restricted to 200,000 gal/yr for the turbo charger test cell.
 12. NOx emissions shall not exceed 4.2 ton/yr for the turbo charger test cell.
 13. All combustion sources which have rated heat input less than 20 MMBTU/hr shall comply with presumptive RACT emission limitations defined in 25 Pa Code Section 129.93(c)(1). The source shall be maintained and operated in accordance with the manufacturer's specifications. The sources shall also be operated and maintained in accordance with good air pollution control practices.
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14. General Electric shall operate and maintain their diesel engines and boilers in accordance with the manufacturer's specifications. The sources shall also be operated and maintained in accordance with good air pollution control practices.
15. Fuel consumption shall be restricted to 1,363,000 gals/yr for 2000 - 4500 Hp engines and 210,375 gals/yr for 6250 HP engines based on a twelve month rolling average. (See condition #22)
16. NOx emission shall not exceed 37.3 tons/yr for the 6250 HP engines (125 units/yr) and 347.7 tons/yr for the 2000 - 4500 HP engines (1125 units/yr).
17. NOx sampling shall be performed for each category of diesel engine being tested in test cells 1 through 4. NOx sampling shall be performed in accordance with 25 PA Code Chapter 139.
18. At least thirty (30) days prior to stack testing, a pretest protocol shall be submitted to the Regional Office. The protocol shall include sampling port locations, specification of test methods, procedures and equipment, and additional applicable information regarding planned test protocol.
19. At least two weeks prior to the tests, the Department shall be informed of the date and time of the tests.
20. Within 60 days after completion of the tests, two copies of the complete test reports, including all operational parameters, shall be submitted to the Department for approval.
21. Condition Number 18, listed above, may be amended if a standard NOx testing protocol is developed for all diesel engines. The standard protocol shall be submitted to the Department for approval.
22. Annual emissions and fuel consumption shall be calculated monthly and compiled on a monthly basis. Fuel consumption shall be monitored by recording each fuel delivery to the diesel fuel tank system. The company shall submit quarterly reports indicating the NOx and VOC emissions for the diesel engine testing. Annual emissions and fuel consumption shall be updated by adding emissions during the more recent quarter and dropping the emissions for the corresponding quarter in the preceding year.

23. General Electric shall maintain records as follows:
- a) The company shall maintain records in accordance with the record keeping requirements of 25 Pa Code Section 129.95.
 - b) The records shall provide sufficient data and calculations to clearly demonstrate that the requirements of 25 Pa Code Section 129.91 - 94 are met and verify all of the above conditions.
 - c) Emissions reports shall be submitted to the Department within (30) days of the end of each calendar quarter.
24. This RACT approval applies to the emission of NO_x and VOC pollutants only. Emission of other pollutants shall be governed by the existing Plan Approvals, Operating Permits, and applicable Rules and Regulations of the Department. Such approval, permits, and requirements are incorporated herein by reference and made part of this permit.
25. Any information required to be submitted as part of the conditions in this Operating Permit shall be submitted to Mr. Devendra Verma, Engineering Services Chief, Air Quality Control, Northwest Regional Office 230 Chestnut Street, Meadville, PA 16335.

SOURCE AND AIR CLEANING DEVICE

Diesel Engine Test Cells # 1, 2, 3

Diesel Engine Test Cell # 4

2 Natural Gas fired Boilers (400 HP & 800 HP)
(Johnston Boiler Co.)

Spray Booth and engine cleaning operation (Diesel Engines)

Dry Paint Filter
(Research Product)

Diesel Fired Pump

Natural Gas Emergency Generators (2)

Turbo Charger Test Cell

Other combustion sources less than 20 MMBTU/hr

Spray booth (Small parts)

Spray booth (Small parts)

