

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST REGION - FIELD OPERATIONS
AIR QUALITY
400 WATERFRONT DRIVE
PITTSBURGH, PENNSYLVANIA 15222-4745

RACT OPERATING PERMIT

In accordance with provisions of the Air Pollution Control Act of January 8, 1960, P.L. 2119, as amended, and after due consideration of an application received under Chapter 127 of the Rules and Regulations of the department of Environmental Protection, the Department hereby issues this permit for the operation of the air contamination source(s) described below.

Permit No.: 63-000-070

Source : NOx Sources

Owner : Dyno Nobel Inc.

Air
Cleaning
Devices :

Address : 1320 Galiffa Drive
Donora, PA 15033

Attention : Steve Burgin
Plant Manager

Plant: Donora Plant
Location: DonoraBorough
County: Washington

This permit is subject to the following conditions.

1. That the source and any associated air cleaning devices are to be:
 - (a) operated in such a manner as not to cause air pollution;
 - (b) in compliance with the specifications and conditions of the plan approval issued under the same number;
 - (c) operated and maintained in a manner consistent with good operating and management practices.
2. This permit is valid only for the specific equipment, location and owner named above.
3. See attached:

Failure to comply with the conditions placed on this permit is a violation of Section 127.444. Violation of this or any other provision of Article III of the Rules and Regulations of the Department of Environmental Protection will result in suspension or revocation of this permit and/or prosecution under Section 9 of the Air Pollution Control Act.

Issued: 03/31/99


Joseph P. Pezze
Regional Air Quality Manager

~~PERMIT TERM: 3/31/99 - 3/31/04~~

Dyno-Nobel, Inc.
 Donora Plant
 RACT Operating Permit No. OP - 63-000-070

SPECIAL CONDITIONS

3. This RACT Operating Permit is for the continued operation of the ammonium nitrate manufacturing facility for Dyno-Nobel, Inc, Donora, Washington County.
4. The facility is to be operated in accordance with the RACT plan submitted as approved herein.
5. NOx emissions for the Donora plant shall not exceed 460 tons/yr. combined total, in any 12 month consecutive period as follows;

	<u>TPY</u>	<u>lb/hr</u>
Ammonia Oxidation Process	396	5.5 lb/ton
Cleaver Brooks No. 1 Boiler	31	7.1 lb/hr
Murray No. 2 Boiler	31	7.1 lb/hr

6. Dyno Nobel, Inc. shall perform an annual adjustment or tune-up as required by 25 Pa Code Ch. 129.93(b)(2) on each boiler with individual rated heat inputs between 20 and 50 MM Btu/hr as identified.
7. Dyno Nobel, Inc. shall maintain records for each adjustment conducted under the procedures outlined in 25 Pa Code Ch. 129.93(b)(2) (i-iii) for all identified combustion sources subject to Special Condition No. 6. These records shall contain, at a minimum, the following information; the date of the tuning procedure, the name of the service company and technicians, the final operating rate or load, the final CO and NOx emission rates, the final excess oxygen rate and any other additional information as required by this operating permit. [Ch. 129.93(b)(3)] and Ch. 129.95]
8. Dyno Nobel, Inc. shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with 135.21 (relating to reporting; and emission statements). These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means. [Ch. 135.5]

Dyno-Nobel, Inc.
Donora Plant
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SPECIAL CONDITIONS

9. Dyno Nobel shall maintain records in accordance with the recordkeeping requirements of 25 Pa Code Ch. 129.95. The records shall provide sufficient data and calculations to clearly demonstrate that the requirements of 25 Pa Code Ch. 129.91-94 are met and to verify compliance with requirements of this RACT approval. Data and information required to determine compliance shall be recorded and maintained in a time frame consistent with averaging periods to verify compliance. These records shall be retained for at least 5 years and shall be made available to the Department upon request.
10. Stack tests shall be performed within 180 days following the date of issuance of this RACT permit on the ammonia oxidation process and the one of the two boilers, to demonstrate compliance with the allowable emission rates established above for the following pollutants:
 - A) NO_x emissions.
 - B) CO emissions.
11. All stack tests shall be performed in accordance with 25 PA Code Chapter 139.13, the Department's Source Testing Manual and with prior Department approval of the pre-test protocol.
12. The Department shall be notified at least 14 days before the stack test so that an observer may be present.
13. At least sixty days before stack testing, Dyno Nobel, Inc shall submit two copies of a sampling protocol to the Department.
14. A stack test report outlining the test results of the required emissions tests shall be submitted to this office within 45 days following the test. Two copies of the above report shall be submitted.
15. This RACT approval applies to the emissions of NO_x only. Emissions of other pollutants, including criteria pollutants, shall be governed by existing Plan Approvals, Operating Permits and the applicable requirements of the Rules and Regulations of the Department. Such approval, permits and requirements shall remain in effect.

Dyno-Nobel, Inc.
Donora Plant
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SPECIAL CONDITIONS

16. The expiration date shown on the Operating Permit is for state purposes. For Federal enforcement purposes, the RACT provisions of this operating permit shall remain in effect as part of the State Implementation plan (SIP), until replaced pursuant to 40 CFR 51 and approved by the U.S. Environmental Protection Agency (EPA).
17. Emission reductions of the targeted contaminants below the level specified in this approval which are achieved by optimizing the effectiveness of equipment installed pursuant to this operating permit are not surplus emission reductions, and thus, may not be used to generate Emission Reduction Credits. In order for the emission reductions to be creditable, emission reductions must satisfy the requirements of 25 PA Code Ch. 127, Subchapter E.
18. This Operating Permit is valid for a limited time only and may be renewed pursuant to 25 PA Code Ch. 127.466 before its expiration. An application for an Operating Permit renewal shall be submitted at least 6 and not more than 18 months before expiration of the existing permit. The application must be complete and accompanied by the permit fees required by Subchapter I of 25 Pa. Code, Chapter 127. The source may not be operated without a valid Operating Permit. Operation of the source without an appropriate permit from the Department may subject the company to enforcement action.