

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, the 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 sources(s) described below.

Permit Number: 04-000-033

Owner: Nova Chemicals, Inc.
Beaver Valley Plant

Address: 400 Frankfort Road
Monaca, PA 15061

Attention: Andrea Davison
Senior Environmental Engineer

Source: Thermoplastic Resin Mfg.

Air:
Cleaning:
Devices:

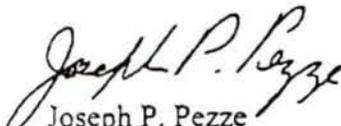
Location: Potter Twp.
County: Beaver

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 corresponding 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: 04/16/99
Reissued 1/24/01


Joseph P. Pezze
Regional Air Quality Manager

~~PERMIT TERM: 4/16/99 - 4/16/04~~

NOVA Chemicals, Inc.
 RACT Operating Permit #04-000-033

Special Conditions
 (Rev. 12/1/00)

3.
 - a. This RACT Approval and Operating Permit is for the operation of VOC emission sources subject to 25 Pa. Code § 129.91, as identified in the RACT proposal submitted on June 19, 1995 and located at NOVA Chemicals, Inc., Beaver Valley Plant, Beaver County, Monaca, PA.
 - b. In accordance with 25 Pa. Code § 127.25, a person may not cause or permit the operation of a source subject to § 127.11 (relating to Plan Approval requirements), unless the source and air cleaning devices identified in the application for the Plan Approval and the Plan Approval issued to the source, are operated and maintained in accordance with specifications in the application and conditions in the Plan Approval issued by the Department. A person may not cause or permit the operation of an air contamination source subject to this chapter in a manner inconsistent with good operating practices.
 - c. For purposes of this permit condition, that is 1(a) the specifications in the application for RACT Plan Approval and Operating Permit are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this RACT operating permit.
4. In accordance with the RACT proposal submitted VOC emissions from the following emission units shall not exceed:

<u>Source</u>	<u>Emissions</u> (in any consecutive 12 month period)
Unit D2	186 tons
Unit D3-(Dylene)	11 tons
Unit D3-(Dylite) & Unit D4-(Dylite)	253 tons
Dylark	9 tons
D3 Extrusion (P-20 Compounding Line #2)	2 tons
D3 Extrusion (Lines 1, 3, 4 and S.P.)	7 tons
Field Storage	5 tons
Plant (miscellaneous)	3 tons
Total Facility Wide	<u>468 tons</u>

5. a. The owner/operator shall maintain records in accordance with 25 Pa. Code 129.95 to demonstrate compliance with the limits established in this RACT approval.
- b. The owner/operator shall utilize a Department approved parametric monitoring plan to accurately determine compliance. Any changes or alterations to the monitoring plan shall obtain prior written approval from the Department.
- c. The monitoring plan as proposed in the RACT Plan Proposal is hereby approved.
6. Monitoring data shall be recorded on log sheets, computer media, paper printouts, strip charts, or a combination of these.
7. Summary reports of all required monitoring shall be submitted by the owner/operator to the Department every 12 months. Pennsylvania annual AIMS submission or similar report with a supplement that identifies RACT emission sources and related emissions would be sufficient concerning VOC emission sources.
8. ~~This RACT Operating Permit incorporates by reference the applicable requirements of Operating Permits 04-301-041, 04-313-065, 04-313-065A, 04-313-066, 04-313-069A, to the extent that those requirements apply to existing VOC sources in accordance with 25 Pa. Code 129.91(a). Plan Approval PA-04-033A (D2 LIQLUBE Dylite) will be incorporated by administrative amendment at a later date. The D2 VOC emission cap established in RACT is specified in the conditions of Plan Approval PA-04-033A.~~
9. ~~Operating Permit 04-313-052 is replaced by this RACT Operating Permit 04-000-033.~~
10. ~~Plan Approval 04-313-052A is revoked due to process changes incorporated into the RACT Operating Permit 04-000-033.~~
11. The Styrene II facility has been permanently shutdown. The post RACT NO_x emission limits for the sources are as follows:

Two natural gas fired superheaters	30 tons/1 yr
Two natural gas fired boilers	<u>24 tons/ 1 yr</u>
	54 tons/ 1 yr

The post VOC RACT for the total process areas shall be such that VOC emissions shall not exceed 40 tons in any consecutive 12 month period.

These restrictions shall be federally enforceable through the issuance of this RACT Operating Permit and available as ERCs for netting, trading, and/or internal offsets.

12. All sources identified in Conditions No. 4 and No. 11 shall be operated and maintained in accordance with manufacturer's specifications. The sources shall also be operated and maintained in accordance with good air pollution control practices.
13. Summary reports required in Condition No. 7 shall be submitted to the Department at:

Department of Environmental Protection
Air Quality Program
400 Waterfront Drive
Pittsburgh, PA 15222