



**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR RESOURCES**

OPERATING PERMIT

CLARIANT CORPORATION

(Pilot Plant – Part 4 of 6)

PERMIT NO. RI-45-06

(Expiration date: October 13, 2011)

Pursuant to the provisions of Air Pollution Control Regulation No. 29, this operating permit is issued to:

Clariant Corporation
500 Washington Street
Coventry, RI 02816

This permit shall be effective from the date of its issuance. All terms and conditions of the permit are enforceable by EPA and citizens under the federal Clean Air Act, 42 U.S.C. 7401, et seq., unless specifically designated as not federally enforceable

**Stephen Majkut, Chief
Office of Air Resources**

Date of issuance: 10/13/06

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SECTION I. SOURCE SPECIFIC CONDITIONS

A. Requirements for Emissions Units P101

The following requirements are applicable to:

- Emission unit P101 consists of various pieces of equipment that can be configured in alternate batch operation arrangements depending on product needs. Equipment used includes reaction kettles, aqueous vats, vacuum ovens, filter presses, and other filtration/separation equipment. P101 processes typically include organic synthesis, polymer/resin fractionation/synthesis, solids separation, drying and ion exchange. P101 is associated with air pollution control devices C168 and C548.
- Air pollution control device C168, which is a packed tower scrubber. C168 uses water or caustic wash as its scrubbing medium.
- Air pollution control device C548, which is a venturi jet scrubber. C548 uses water or caustic wash as its scrubbing medium.

1. **Operating Requirements**

- a. C168 and C548 shall be operated and maintained according to their design specifications whenever P101 is in operation or is emitting air contaminants. [16.1]
- b. In the case of a malfunction of C168 or C548, all reasonable measures shall be taken to assure resumption of the designed control efficiency as soon as possible. In the event that the malfunction of C168 or C548 is expected or may reasonably be expected to continue for longer than 24 hours and if the permittee wishes to operate P101 at any time beyond that period, the Director shall be petitioned for a variance under Section 23-23-15 of the General Laws of the Rhode Island, as amended. Such petition shall include, but is not limited to, the following: [16.2]
 1. Identification of the specific air pollution control system (i.e. C168 or C548) and source on which it is installed (i.e. P101); [16.2(a)]
 2. The expected period of time that C168 and/or C548 will be malfunctioning or out of service; [16.2(b)]
 3. The nature and quantity of air contaminants likely to be emitted during said period; [16.2(c)]
 4. Measures that will be taken to minimize the length of said period, and [16.2(d)]

5. The reasons that it would be impossible or impractical to cease the source operation during said period. [16.2(e)]
- c. The Office of Air Resources, at its discretion, may request the permittee to undergo a RACT review every two years following the execution of Consent Agreement No. 98-01-AP. [Consent Agreement No. 98-01-AP(12)]

2. Monitoring Requirements

- a. Pressure drop across control devices C168 and C548 shall be monitored continuously when operating. [29.6.3(b)]
- b. The scrubbant flow rate and the water make-up rate will be monitored continuously for C168 when operating. [29.6.3(b)]
- c. The scrubbant flow rate will be monitored continuously for C548 when operating. [29.6.3(b)]

3. Recordkeeping Requirements

- a. The permittee shall check the pressure drop across C168 and C548 a minimum of once per day and the date, time and measurement shall be recorded. [29.6.3(b)]
- b. The permittee shall check the scrubbant flow rate and the water make-up rate for C168 once per day and the date, time and measurement shall be recorded. [29.6.3(b)]
- c. The permittee shall check the scrubbant flow rate for C548 once per day and the date, time and measurement shall be recorded. [29.6.3(b)]

4. Reporting Requirements

- a. The permittee shall submit a RACT analysis if VOC emissions for P101 exceed 10,000 pounds per calendar year. The RACT analysis shall be submitted within 90 days of determining the VOC emissions exceeded 10,000 pounds. [Consent agreement No. 98-01-AP(7)]