

217/785-1705

CONSTRUCTION PERMIT

PERMITTEE

Rohm and Haas Chemicals, LLC
Attn: Joan Ellis, Site Operations Leader
2401 East Pratt Boulevard
Elk Grove, Illinois 60007

Application No.: 14100009 I.D. No.: 031440AAZ
Applicant's Designation: Pump Replacement Date Received: October 8, 2014
Subject: Tanks Modification
Date Issued: October 27, 2014
Location: 2401 East Pratt Boulevard, Elk Grove Village, Cook County, 60007

This permit is hereby granted to the above-designated Permittee to CONSTRUCT emission source(s) and/or air pollution control equipment consisting of modification to process vessels T8 and T20 (formerly designated EP30 and EP38) with condensers, as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This permit is issued based on the modification to two (2) process vessels (T8 and T20) with condensers not constituting a new major source or major modification pursuant to Title I of the Clean Air Act, specifically 35 Ill. Adm. Code Part 203, Major Stationary Sources Construction and Modification. The source has requested that the Illinois EPA establish emission limitations and other appropriate terms and conditions in this permit that limit the emissions of Volatile Organic Material (VOM) from the above-listed emission units below the levels that would trigger the applicability of these rules.
- b. This permit is issued based on the emission of Hazardous Air Pollutants (HAP) as listed in Section 112(b) of the Clean Air Act from the above-listed equipment being less than 10 tons/year of any single HAP and 25 tons/year of any combination of such HAPs. As a result of the conditions in this permit, the emissions of all HAPs from the above-listed equipment do not trigger the requirements of Section 112(g) of the Clean Air Act.
- c. Operation of the equipment listed above is allowed under this permit until final action is taken on the Federally Enforceable State Operating Permit (FESOP) application for this source.
- 2a. Pursuant to 35 Ill. Adm. Code 212.123(a), no person shall cause or allow the emission of smoke or other particulate matter, with an opacity greater than 30 percent, into the atmosphere from any emission unit other than those emission units subject to 35 Ill. Adm. Code 212.122.

- b. Pursuant to 35 Ill. Adm. Code 212.123(b), the emission of smoke or other particulate matter from any such emission unit may have an opacity greater than 30 percent but not greater than 60 percent for a period or periods aggregating 8 minutes in any 60 minute period provided that such opaque emissions permitted during any 60 minute period shall occur from only one such emission unit located within a 305 meter (1000 foot) radius from the center point of any other such emission unit owned or operated by such person, and provided further that such opaque emissions permitted from each such emission unit shall be limited to 3 times in any 24 hour period.

- 3a. Pursuant to 35 Ill. Adm. Code 218.122(a), no person shall cause or allow the discharge of more than 3.6 kg/hour (8 lbs/hour) of organic material into the atmosphere during the loading of any organic material from the aggregate loading pipes of any loading facility having through-put of greater than 151 cubic meters per day (40,000 gallons/day) into any railroad tank car, tank truck or trailer unless such loading facility is equipped with submerged loading pipes, submerged fill, or a device that is equally effective in controlling emissions and is approved by the Illinois EPA according to the provisions of 35 Ill. Adm. Code 201, and further processed consistent with 35 Ill. Adm. Code 218.108.

- b. Pursuant to 35 Ill. Adm. Code 218.122(b), no person shall cause or allow the loading of any organic material into any stationary tank having a storage capacity of greater than 946 liters (250 gallons), unless such tank is equipped with a permanent submerged loading pipe, submerged fill, or an equivalent device approved by the Illinois EPA according to the provisions of 35 Ill. Adm. Code 201 or unless such tank is a pressure tank as described in Section 218.121(a) or is fitted with a recovery system as described in 35 Ill. Adm. Code 218.121(b)(2).

- 4. Pursuant to 35 Ill. Adm. Code 218.301, no person shall cause or allow the discharge of more than 3.6 kg/hour (8 lbs/hour) of organic material into the atmosphere from any emission source, except as provided in 35 Ill. Adm. Code 218.302, 218.303, 218.304 and the following exception: If no odor nuisance exists the limitation of 35 Ill. Adm. Code 218 Subpart G: Use of Organic Material, shall apply only to photochemically reactive material.

- 5a. Emissions and operation of the source (including modification to T8 and T20) shall not exceed the following limits:

<u>Item of Equipment</u>	<u>Total Combined Production</u>		<u>Total Combined VOM Emissions</u>	
	<u>(Lbs/Month)</u>	<u>(Batches/Yr)</u>	<u>(Tons/Mo)</u>	<u>(Tons/Yr)</u>
Process Equipment*	2,650,000	26,500,000	2.41	24.1

* The process equipment consists of: Mixer 2 EP25, Mixer 3 EP26, Mixer 7 EP29, Mixer 8 - T8, Mixer 10 EP32, Mixer 15 EP34, Mixer

19 EP37, Mixer 20 - T20, Refilling EP39, Morprime process EP40, Drum mixer EP41, Solvent Meter Vapor Condenser EP42.

- b. The emissions of particulate matter (PM) from all the process tanks (including modification to T8 and T20) listed in Special Condition 5a above shall not exceed 0.3 tons/month and 2.2 tons/year.
 - c. Compliance with the annual limits of this permit shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months (running 12 month total).
6. The Permittee shall maintain monthly records of the following items:
- a. Name and amount of VOM and HAP containing materials used including VOM and HAP content (tons/month and tons/year; % by weight); and
 - b. Monthly and annual emissions of PM, VOM, and HAPs (tons/month and tons/year) with supporting calculations in order to demonstrate compliance with the emission limitations included within this Permit.
7. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least five (5) years from the date of entry and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request. Any records retained in an electronic format (e.g., computer storage device) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to an Illinois EPA or USEPA request for records during the course of a source inspection.
8. If there is an exceedance of or a deviation from the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance Section in Springfield, Illinois within 30 days after the exceedance or deviation. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or deviation and efforts to reduce emissions and future occurrences.
9. Two (2) copies of required reports and notifications shall be sent to:
- Illinois Environmental Protection Agency
Division of Air Pollution Control
Compliance Section (#40)
P.O. Box 19276
Springfield, Illinois 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Page 4

Illinois Environmental Protection Agency
Division of Air Pollution Control
9511 West Harrison
Des Plaines, Illinois 60016

If you have any questions on this permit, please contact Jocelyn Stakely at 217/785-1705.

Raymond E. Pilapil
Acting Manager, Permit Section
Division of Air Pollution Control

Date Signed: _____

REP:JRS:psj

cc: IEPA, FOS Region 1
Lotus Notes