



DNREC Division of Air Quality

Permit application fact sheet for Noramco Inc. facility at 500 Swedes Landing Road

Noramco Permit Application APC-2023/0086-CONSTRUCTION

Background: Noramco Inc., a Wilmington-based global manufacturer of controlled substance medicinal products, has applied for a construction permit to install a new vacuum pump in the company's plant at 500 Swedes Landing Road, Wilmington. The vacuum pump will support a new production line at the facility for two new products that are part of the formula for an oral medication used in treating patients with cancer, HIV and anorexia.

According to Noramco's application for a construction permit, the new vacuum pump and the manufacturing process for the two new products (known as D8 and D9), will emit 0.5 tons of volatile organic compounds (VOCs) per 12-month rolling period and will emit 0.22 tons of hazardous air pollutants (HAPs) over the same period.

The requested emissions, along with Noramco's actual emissions for 2022[#] for each pollutant included in the permit application⁺, are shown in the table below.

Noramco currently operates under Title V Permit: AQM-003/00324 – Renewal (1) Revision (2) which limits total VOC emissions to 20.1 tons, combined HAP emissions to 10.7 tons, and single HAP emissions to 9.9 tons per 12-month rolling period. Noramco is not requesting an increase to facility-wide emission limits and will be required by DNREC not to exceed the limits of the company's Title V air permit for VOC and HAP emissions. All emissions were modeled and are far below DNREC's health-based standard (as highlighted below in green).

2022 Emissions and Requested Emissions

Pollutant	Noramco 2022 Emissions (tons)	Requested Emissions (ton/yr)	Percentage of DNREC's Health-Based Standard~
Ethanol*	0.09	0.015	0.006%
Ethyl Acetate*	0.003	0.13	0.017%
Methanol*†	0.02	0.08	5.033%
n-Butanol*†	0.001	0.0006	0.015%
Tetrahydrofuran*†	N/A	0.015	0.272%
Toluene*†	0.85	0.13	0.253%
Triethylamine*†	0	0.001	0.007%
Acetone*	0	0.11	0.051%
4Hydrogen Chloride†	0.01	0.0007	0.001%
Total VOC*	0.97	0.5	-
Total HAP†	0.88	0.22	-
Facility Wide Actual Total VOC Emissions	1.48	-	-
Facility Wide Actual Total HAP Emissions	0.88	-	-

* Indicates that pollutant is a VOC

† Indicates that pollutant is a HAP

Date for which Noramco's most recent emissions data is available

+ Not shown is tetrahydrofuran, an organic solvent, which is not currently used at the facility, but is being added as part of this permit application up to a limit of 15 kg or about 33 lbs/year.

~ Based upon ACGIH Threshold Limit Values www.acgih.org/science/tlv-bei-guidelines/tlv-chemical-substances-introduction/.

Anything above 100% would be considered unhealthy. **Everything in green above is far below the standard.**