

217/782-2113

CONSTRUCTION PERMIT

PERMITTEE

Donaldson Company, Inc.
Attn: Mr. Dan Blackburn
815 Progress Drive
Dixon, Illinois 61021

Application No.: 03070002 I.D. No.: 103817AAD
Applicant's Designation: 5013 LINE Date Received: July 1, 2003
Subject: Air Filter Manufacturing Facility
Date Issued:
Location: 815 Progress Drive, Dixon

Permit is hereby granted to the above-designated Permittee to CONSTRUCT emission source(s) and/or air pollution control equipment consisting of Filter Assembly Line 5013 as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

1. Emissions of volatile organic material (VOM) and operation of Filter Assembly Line 5013, including all clean-up operations, shall not exceed the following limits:

<u>Material</u>	<u>VOM Usage and Emissions</u>	
	<u>(Tons/Month)</u>	<u>(Tons/Year)</u>
Sheet Adhesive	0.6	5.5
Plastisol	0.4	3.4
Super Glue	0.06	<u>0.6</u>
	Total:	<u>9.5</u>

These limits define the potential emissions of VOM and are based on maximum material usages, maximum VOM content for each material, and VOM usage as determined by the equation in Special Condition 6(c). Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months.

2. The emissions of Hazardous Air Pollutants (HAP) as listed in Section 112(b) of the Clean Air Act shall be less than 10 tons/year of any single HAP and 25 tons/year of any combination of such HAPs. As a result of this condition, this permit is issued based on the emissions of all HAPs from this source not triggering the requirements of Section 112(G) of the Clean Air Act.
3. No person shall cause or allow any visible emissions of fugitive particulate matter from any process, including any material handling or storage activity beyond the property line of the emission source, pursuant to 35 Ill. Adm. Code 212.301.

4. In the event that the operation of this emission unit results in an odor nuisance, the Permittee shall take appropriate and necessary actions to minimize odors, including but not limited to, changes in raw material or installation of controls, in order to eliminate the odor nuisance.
5. This permit is issued based on emissions of VOM from each process emission unit not exceeding 8 pounds in any given hour, pursuant to 35 Ill. Adm. Code 215.301.

6. The Permittee shall maintain monthly records of the following items:
 - a. Identification and amount of each solvent, clean-up solvent, adhesive, vanishing lube, and filter media used (lb or gal/mo and ton or gal/yr);
 - b. VOM and individual HAP content of each solvent, clean-up solvent, adhesive, vanishing, lube, and filter media (lb VOM/gal or % weight);
 - c. Plantwide calculations of VOM usage. The following equation shall be used to calculate VOM usage:

$$Te = \sum_{i=1}^n AiBi$$

Where:

Te = VOM usage in units of lb/mo or gal/mo;

n = Number of different solvents, clean-up solvent, adhesives, vanishing lube, and filter medias used each month;

i = Subscript denoting an individual solvent, clean-up solvent, vanishing lube, adhesive, and filter media;

Ai = Weight of VOM per volume of each solvent, clean-up solvent, vanishing lube, adhesive and filter media used each month in units of lbs VOM/gal or weight percent of VOM of each solvent used each month (% weight); and

Bi = Amount of each solvent, clean-up solvent, adhesive, vanishing lube, and filter media used each month in units of gal/mo or lb/mo.

- d. Calculations of VOM emissions from the plant;
- e. Calculations of individual HAP emissions from the plant using the same equation in Condition 10(c) substituting VOM for individual HAPs; and
7. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least three years from

the date of entry and shall be made available for inspection and copying by the Illinois EPA upon request. Any records retained in an electronic format (e.g., computer) 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 request for records during the course of a source inspection.

8. If there is an exceedance of 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. 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 violation and efforts to reduce emissions and future occurrences.
9. Two (2) copies of required reports and notifications concerning equipment operation or repairs, performance testing or a continuous monitoring system 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:

Illinois Environmental Protection Agency
Division of Air Pollution Control
5415 North University
Peoria, Illinois 61614

It should be noted that all cutting and welding is exempt from state permit requirements, pursuant to 35 Ill. Adm. Code 201.146(aa) and (y), respectively.

If you have any questions on this, please call Randy Solomon at 217/782-2113.

Donald E. Sutton, P.E.
Manager, Permit Section
Division of Air Pollution Control

DES:RBS:psj

cc: Region 2