

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
FIELD OPERATIONS - BUREAU OF AIR QUALITY

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 source(s) described below:

Permit No.	<u>OP-46-0057</u>	Source(s)	<u>Foundry</u>
Owner	<u>Hale Products, Inc.</u>	Air	<u>Major VOC and Minor NOx Facility</u>
Address	<u>700 Spring Mill Avenue</u>	Cleaning	<u></u>
	<u>Conshohocken, PA 19428</u>	Device	<u></u>
Attention	<u>Mr. Kirk Keseric</u>	Location	<u>Borough of Conshohocken</u>
	<u>Safety Manager</u>		<u>Montgomery County</u>

This permit is subject to the following conditions:

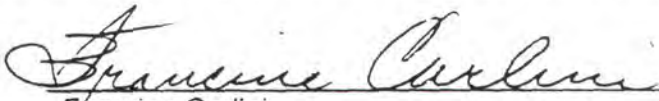
1. That the source(s) and any associated air cleaning devices are to be:
  - a. operated in such a manner as not to cause air pollution;
  - b. operated and maintained in a manner consistent with good operating and maintenance practices.
  - c. in compliance with the specifications and conditions of all applicable plan approvals.
2. This permit is valid only for the specific equipment, location and owner named above.

(SEE ADDITIONAL CONDITIONS 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 11/21/1997

Expires 11/21/2002

  
Francine Carlini  
Regional Manager  
Air Quality

cc: Division of Permits, RCSOB  
Administration  
SEFO  
Re (GJC)153-22

# OPERATING PERMIT CONDITIONS

PERMIT NO. OP-46-0057

HALE PRODUCTS, INC.

## CONDITIONS (continued):

3. This Operating Permit is issued to Hale Products, Inc. for the operation of the following sources located at Washington Street facility:

Source ID	Source Description	Capacity
(13) Space Heaters	Natural gas-fired space heaters	6.8 MMBTU/hr (total)
Ladle and Scrap Preheaters	Natural gas-fired open flame preheaters	0.6 MMBTU/hr (total)
Emergency Generator	Natural gas-fired emergency generator	0.76 MMBTU/hr
Sand Hot Water Heater	Natural gas-fired hot water heater	0.50 MMBTU/hr
(3) Shell Core Machines	Pump core making machines with natural gas-fired burners	18 lb cores/hr (each)
Oil Core Oven with Afterburner	Oil sand core curing oven with dedicated afterburner	120 lb cores/hr
Isocure Process <sup>1</sup>	Pump core making process	600 lb cores/hr
Core Room Mixer	No-Bake pump core mixer	7,200 lb cores/hr
No-Bake Mold/Pouring Area	No-Bake pump mold mixer and metal pouring area	60,000 lb molds/hr
Novathane Storage Tanks	Storage Tanks for Novathane Parts 1 and 3	55 gal to 4,000 gal capacity

OPERATING PERMIT CONDITIONS  
PERMIT NO. OP-46-0057  
HALE PRODUCTS, INC.

**CONDITIONS (continued):**

4. Emission Limitations:

- a. The following operations shall not emit air contaminants into the atmosphere in excess of the limits listed below:

Source	VOC Emissions	
	(lbs/hr)	(tpy)
No-Bake Mold/Pouring Area	60,000 molds	19.7
Core Room Mixer	7,200 cores	3.53

- b. The total Volatile Organic Compound (VOC) emissions from the sources listed in Condition No. 3 shall not exceed 38.1 tons per year as a 12 month rolling sum.
- c. The company shall limit the total facility NOx emissions from all combustion sources to less than 25 tons per year.

5. All sources described in Condition No. 3 shall be operated and maintained as per the manufacturer's specifications and accordance with good air pollution control practices.

6. Recordkeeping and Reporting Requirements:

The company shall maintain records in accordance with the minimum recordkeeping requirements of 25 Pa. Code § 129.95. At a minimum, this shall include:

- a. Records shall provide sufficient data and calculations to clearly demonstrate that the requirements of Condition No. 4 are met.
- b. Comprehensive records for all de-minimis sources in a Department approved format, to demonstrate compliance with the de-minimis limits.
- c. Records required under this permit shall be kept for a minimum period of two years and shall be made available to the Department upon its request.

7. General Requirements

- a. The expiration date shown on the Operating Permit OP-46-0057 is for state purposes only. For Federal enforcement purposes, the operating permit shall remain in effect as part of the Pennsylvania State Implementation Plan (SIP) until repealed, pursuant to 40 CFR 51 and approved by the United States Environmental Protection Agency (EPA).



OPERATING PERMIT CONDITIONS  
PERMIT NO. OP-46-0057  
HALE PRODUCTS, INC.

CONDITIONS (continued):

- b. This Operating Permit applies to the emissions of NO<sub>x</sub> and VOC pollutants only. Emissions of other pollutants, including criteria pollutants, shall be governed by existing plan approval, operating permit, and the applicable requirements of the Rules and Regulations of the Department (such approval, permit and requirements are incorporated herein by reference and made part of this permit). All conditions from Operating Permit Nos. 46-308-002 and 46-308-016, are incorporated in this permit by reference.
  - c. The company shall not impose conditions upon or otherwise restrict the Department's access to the aforementioned source(s) and/or any associated air cleaning device(s) and shall allow the Department to have access at any time to said source(s) and associated air cleaning device(s) with such measuring and recording equipment, including equipment recording visual observations, as the Department deems necessary and proper for performing its duties and for the effective enforcement of the Air Pollution Control Act.
  - d. If at any time the Department has cause to believe that air contaminant emissions from the aforementioned source(s) may be in excess of the limitations specified in, or established pursuant to, any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Protection, the company shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s). Such testing shall be conducted in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection, where applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the company that testing is required.
8. Any notification required as a result of any condition herein should be directed to:

Regional Air Quality Manager  
Lee Park - Suite 6010  
555 North Lane  
Conshohocken, PA 19428  
Telephone: 610-832-6241

Re 30 (GJC)153-23