

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-46-0013A</u>	Source(s)	<u>Facility NOx and VOC RACT</u>
Owner	<u>Hatfield, Inc.</u>	Air	<u></u>
Address	<u>PO Box 902</u>	Cleaning	<u></u>
	<u>Hatfield, PA 19440-0902</u>	Device	<u></u>
Attention	<u>J. Scott Clemens</u>	Location	<u>Hatfield Township</u>
	<u>Director, Environmental Affairs</u>		<u>Montgomery County</u>
			<u></u>

This permit is subject to the following conditions:

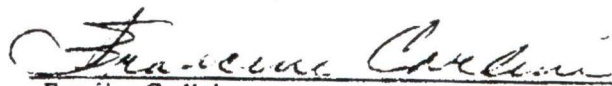
1. That the source(s) and any associated air cleaning devices are to be:
  - a. operated in such a manner as not to cause air pollution;
  - b. operated and maintained in a manner consistent with good operating and maintenance practices.
2. This permit is valid only for the specific equipment, location 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 01/09/1997

Expires ~~01/09/2002~~

  
Francine Carlini  
Regional Manager  
Air Quality

cc: Division of Permits, RCSOB  
Administration  
SEFO  
Re (KAL)205.6

OPERATING PERMIT CONDITIONS

PERMIT NO. OP-46-0013A

HATFIELD, INC.

(REVISED 10/01/1998)

CONDITIONS (continued):

3. This operating permit incorporates the Reasonably Available Control Technology (RACT) determinations as required by Title I provisions of the CAAA, and 25 PA Code 129.91 through 129.95 for the sources at Hatfield, Inc. facility. This operating permit supersedes all conditions in the operating permits, No. 46-302-174 with respect to Clever-Brooks boiler, 46-302-096 with respect to Keeler boilers, 46-317-017 with respect to Inedible Rendering Process, and 46-317-018A with respect to Rotary Dryer. All terms and conditions of the operating permit No. 46-302-174, 46-302-096, 46-317-017, and 46-317-018A have been incorporated into this permit.
4. This operating permit is issued to Hatfield, Inc. for the operation of the following sources:
  - one 50 MMBtu/hr, natural gas-fired Clever Brooks (Model DL-52) boiler
  - two 27.4 MMBtu/hr, natural gas-fired Keeler (Model DS 22.5/WB-1-16) boilers
  - Inedible Rendering Process which consists of:
    - two inedible cookers
    - one anco hydrolizer
    - one rotary drum dryer
    - two inedible pressers
    - one blood coagulator
  - approximately sixty small heaters
  - waste oil heater
  - one natural gas-fired rotary drum dryer (Model SDD-3000)
  - one 355 bhp, 235 KW boiler room generator
  - one 210 bhp, 125 KW compressor room generator
5. Pursuant to the presumptive RACT provisions of Section 129.93(b)(2), (3), (4), and (5) of Article III of the Rules and Regulations of the Department of Environmental Protection, Hatfield shall comply with the annual tune-up, maintenance, operating and recordkeeping requirements specified in those sections with respect to one 50 MMBtu/hour Clever Brooks boiler, and two 27.4 MMBtu/hr Keeler boilers identified in condition 4 herein. The first annual tune-up on these sources shall be performed no later than 180 days following the issuance of this operating permit.
6. Hatfield shall not at any time operate the Clever Brooks (Model DL-52) boiler with a heat input of more than 49 MMBtu/hr.
7. Pursuant to the presumptive RACT provisions of Section 129.93(c)(1) of Chapter 129 of Article III of the Rules and Regulations of the Department of Environmental Protection, the Inedible Rendering Process, a rotary dryer, sixty small heaters, and a waste oil heater identified in condition 4 herein shall be maintained and operated in accordance with manufacturer's specifications as well as in accordance with good air pollution control practices.



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HATFIELD, INC.  
(REVISED 10/01/1998)

CONDITIONS (continued):

8. Pursuant to the presumptive RACT provisions of Section 129.93(c)(5) of Chapter 129 of Article III of the Rules and Regulations of the Department of Environmental Protection, two emergency generators identified in condition 4 herein shall be operated less than 500 hours in a consecutive 12-month period. These units shall be maintained and operated in accordance with manufacturers' specifications as well as in accordance with good air pollution control practices.
9. Monitoring, Recordkeeping and Reporting Requirements
  - A. Hatfield shall continuously monitor and record the signals from the natural gas and fuel oil flow meters installed on Clever-Brooks boiler by an electronic device.
  - B. Hatfield shall maintain the records in accordance with 25 PA Code Section 129.95 requirements.
  - C. Hatfield shall maintain the records for two years and shall submit to the Department personnel upon request.

*Conditions 10 through 18 herein pertain to Inedible Rendering Process previously operated pursuant to operating permit No. 46-317-017.*

10. The inedible rendering process must comply with Section 123.31 of Chapter 123 of the Rules and Regulations of the Department of Environmental Protection.
11. Air contaminant emissions will be controlled by a Stord Bartz venturi scrubber (Model VESC-6) and a Stord Bartz packed bed scrubber (Model PTSC-75).
12. An operating pressure drop of at least 4 inches w.g. shall be maintained across the throat of the scrubber and a water flow rate of at least 30 GPM to the venturi scrubber shall be maintained.
13. The water flow rate to the packed tower scrubber must be at least 650 gallons per minute at all times.
14. Hatfield, Inc. shall operate the packed tower scrubber in this inedible rendering process in such a manner as to maintain a minimum pressure drop of 5 inches w.g. across the packed tower scrubber.
15. Hatfield, Inc. shall electronically monitor during each work shift the pH level of the recirculation water going to the packed bed scrubber. A minimum pH level of 10.0 shall be maintained in the water going to this packed bed scrubber at all times.

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**HATFIELD, INC.**  
(REVISED 10/01/1998)

**CONDITIONS (continued):**

16. A flow meter shall be installed on the water line feeding the packed bed scrubber.
17. The chlorine concentration of the water stream to the packed bed scrubber must be electronically monitored so to maintain ORP of 600 MV and shall be logged during each work shift.
18. Chart records indicating daily pH and ORP levels must be kept for a minimum of two years.

*Conditions 19 through 24 herein pertain to Dusk (Model SSD-3000) rotary drum dryer previously operated pursuant to operating permit No. 46-317-018A.*

19. The bio filter temperature shall not exceed 130°F and shall be monitored continuously.
20. The pressure drop across the filter shall be maintained between 1 and 6 inches and shall be monitored continuously.
21. Ammonia from the bio filter shall be monitored on a weekly basis.
22. The pH of the bio filter shall be maintained at 6.5 or greater and monitored on a monthly basis.
23. The moisture content of the bio filter shall be maintained at a minimum of 30% and monitored on a monthly basis.
24. Emission Limitations

Emissions of NO<sub>x</sub> from the sources at the facility shall be limited to the following:

Source(s)	NO <sub>x</sub> Emissions (TPY)
Clever-Brooks Boiler	78.7
Keeler Boiler No. 1	43.9
Keeler Boiler No. 2	43.9
Inedible Rendering Process	2.0
Rotary Dryer	5.7
Approximately 60 Heaters	8.9
Waste Oil (WO) Heater	0.2
Boiler Room and Compressor Room Generators	3.7
<b>Total (tons/year)</b>	<b>186.8</b>



O RATING PERMIT CONDITIONS

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HATFIELD, INC.

(REVISED 10/01/1998)

CONDITIONS (continued):

General Requirements

25. Records required under this operating permit shall be kept from a period of two (2) years and shall be made available to the Department upon its request.
26. 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.
27. 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.
28. Hatfield, within one hour of occurrence, shall notify the Department, at 610-832-6242, of any malfunction of the source(s) or associated air cleaning device(s) which results in, or may possibly be resulting in, the emission of air contaminants 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. A written report shall be submitted to the Department within two working days following the incident describing the malfunctions and corrective actions taken.

Re 30 (jd98)261-4

