

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT - REVISED

PERMITTEE

The Haeger Potteries, Inc.  
Attn: Mr. Thomas N. Short  
Seven Maiden Lane  
Dundee, Illinois 60118

Application No.: 74030001

I.D. No.: 089025AAA

Applicant's Designation:

Date Received: November 15, 1999

Date Issued: December 29, 1999

Expiration Date: October 30, 2001

Location: Seven Maiden Lane, Dundee

Subject: Pottery Manufacturer

Permit is hereby granted to the above-designated Permittee to OPERATE emission source(s) and/or air pollution control equipment for the equipment listed in Attachment A pursuant to the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This federally enforceable state operating permit is issued to limit the emissions of air pollutants from the source to less than major source thresholds (i.e., 100 tons per year of particulate matter(PM) and 25 tons per year of volatile organic matter(VOM)). As a result, the source is excluded from the requirement to obtain a Clean Air Act Permit Program (CAAPP) permit. The Maximum emissions of this source, as limited by the conditions of this permit, are described in Attachment A.
  - b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
  - c. This permit supersedes all operating permits for this location.
2. Operation of the pottery manufacturing plant shall not exceed the following limits:
    - a. Volatile organic matter emissions(VOM) from the lacquer dip tank and all other facility emission units shall not exceed 25 tons per year. Lacquers, thinners, solvents, strippers, and cleanup materials that might be used on this emission unit would be included in this limit. In addition to limiting emissions to under the requirements for a CAAPP permit, this condition also limits the potential to emit of other emission units that would be subject to 35 Ill. Adm. Code 218 Subpart TT to under 25 tons/year and thus the control requirements of 218.986 are not applicable.

- b. Total emissions of volatile organic material (VOM) are limited by limiting the lacquer dip tank to 4500 hours of operation per year.
  - c. The total facility particulate matter (PM) emissions are limited to 10 tons per year.
  - d. The emission of Hazardous Air Pollutants (HAPS) as listed in Section 112(b) of the Clean Air Act shall not equal or exceed 10 tons per year of any single HAP or 25 tons per year of any combination of such HAPS, or such lesser quantity as USEPA may establish in rule which would require the Permittee to obtain a CAAPP permit from the Illinois EPA. As a result of this condition, this permit is issued based on the emissions of any HAP from this source not triggering the requirement to obtain a CAAPP the requirement to obtain a CAAPP permit from the Illinois EPA.
  - e. Compliance with annual limits shall be determined on a thirteen four-week periods basis from the sum of the data for the current period plus the preceding 12 periods. These limits define the maximum emissions of the volatile organic material and particulate matter and are based on the actual emissions determined from maximum production capacity and standard emission factors or actual materials used.
3. This permit is issued based upon the facility using control equipment on all PM emission units listed in the application as having control equipment. Compliance with this limit shall be determined from ongoing compliance monitoring requirements as required by conditions of this permit.
4. This permit is based on the use of natural gas for all combustion units. Use of any other fuel will require a revised permit.
5. At all times, including periods of startup, shutdown, and malfunction, the Permittee shall operate and maintain any affected emission unit, including associated air pollution control devices, if any, and monitoring equipment in a manner consistent with good air pollution control practices.
6. The Permittee shall prepare an ongoing compliance status report every year which shall be retained on the site, and made available to the Illinois EPA upon request.
7. The ongoing compliance report shall contain the following:
  - a. The company name and address of the affected source.

- b. An identification of the operating parameters that are monitored for compliance determination.
  - c. The relevant emission limitation (i.e. 10 tons per year PM and 25 tons per year VOM for the source), and the operating parameter value, or range of values, that correspond to compliance with this emission limitation.
  - d. The beginning and ending dates of the reporting period.
  - e. A description of the type of processes performed at the source.
  - f. The total operating time of the affected source during the reporting period.
  - g. A certification by a responsible official that the work practice standards were followed in accordance with the operation, maintenance plan, and manufacturers recommendations for the emission units and controls.
  - h. A description of any changes in monitoring processes, or controls since the last reporting period.
  - i. The name, title, and signature of the responsible official who is certifying the accuracy of the report.
  - j. The date of the report.
- 8a. The permittee may use applicable standard operating procedure (SOP) manuals, or Occupational Safety and Health Administration (OSHA) plans, provided the alternative plans meet the requirements of this section.
- b. 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 and USEPA 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 respond to an Illinois EPA request for records during the course of a source inspection.
9. If there is an exceedance of the requirements of this permit as determined by the record required by this permit, the permittee shall submit a report to the Illinois EPA Compliance Unit in Springfield, Illinois within 30 days after the exceedance. The report shall include the emissions released in accordance with the record keeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences.

10. The owner or operator shall keep the written operation and maintenance plan on record after it is developed to be made available for inspection, upon request, by the Illinois EPA for three (3) years. In addition, if the operation and maintenance plan is revised, the owner or operator shall keep previous (i.e., superseded) versions of the operation and maintenance plan on record to be made available for inspection, upon request, by the Illinois EPA for a period of 5 years after each revision to the plan.
- 11a. The Permittee shall submit the following additional information with the Annual Emission Report, due May 1st of each year: usage of paints, lacquers, solvents, thinners, clear coatings, extenders, brighteners, all dip tank cleanup materials, and any other coatings from the previous calendar year. If there have been no exceedances during the prior calendar year, the Annual Emission Report shall include a statement to that effect.
- b. The paint, solvents, thinners, clear coatings, extenders, strippers, and all cleanup material usage records required by this permit shall be retained at a readily accessible location at the plant for at least 3 years from the date of entry and shall be made available for inspection and copying by the Illinois EPA and USEPA upon request.
12. The Permittee shall maintain coating records of the following items:
  - a. The name and identification number of each coating applied.
  - b. The weight of VOM per volume of each coating (minus water and exempt compounds which are specifically exempted from the definition of VOM) as applied.
  - c. The weight of each HAP per volume of each coating as applied.
  - d. Coating usage as received and as applied (gal/four week period, and gal/year).
  - e. Cleanup usage (gal/four week period and gal/year).
13. 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  
Eisenhower Tower  
1701 South First Avenue  
Maywood, Illinois 60153

14. No person shall cause or allow any visible emissions of fugitive particulate matter from any process, including material handling or storage activity, beyond the property line of the emission source, pursuant to 35 Ill Adm. Code 212.301.
15. In the event that the operation of this source 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 nuisance.

It should be noted that this permit has been revised to include operation of the equipment described in Construction Permit 99110054.

If you have any questions on this permit, please call Jim Kallmeyer at (217)782-2113.

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

DES:JDK:psj

cc: Region 1  
USEPA

Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions from The Haeger Potteries Dundee, Illinois Plant operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Illinois EPA used the annual operating scenario which results in maximum emissions from such a plant. This is limiting PM emissions to 10 tons/year through proper operation of control equipment and limiting VOM emissions to 25 tons/year by limiting the lacquer spray booth operation to 4500 hours/year. The resulting maximum emissions are well below the levels, 100 tons per year of PM emissions and 25 tons per year of VOM emissions at which this source would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from this source will be less than predicted in this summary to the extent that less material is handled, and control measures are more effective than required in this permit.

| <u>Item of Equipment</u>                      | <u>Hours of Operation (Hours)</u> | <u>Particulate Matter</u> |              | <u>Volatile Organic Matter</u> |              |
|---|-----------------------------------|---------------------------|--------------|--------------------------------|--------------|
|   |                                   | <u>(Lb/Hr)</u>            | <u>(TPY)</u> | <u>(Lb/Hr)</u>                 | <u>(TPY)</u> |
| 1. 3-Mixers with BH                           | 8760                              | 0.0047                    | 0.021        |                                |              |
| 2. Plaster Mixer with BH                      | 8760                              | 0.075                     | 0.329        |                                |              |
| 3. Pug Clay Mixer with BH                     | 8760                              | 0.0047                    | 0.021        |                                |              |
| 4. Ball Mills with BH                         | 8760                              | 0.0008                    | 0.003        |                                |              |
| 5. Tunnel Kiln                                | 8760                              | 0.262                     | 1.149        |                                |              |
| 6. TK Burner                                  | 8760                              | 0.015                     | 0.066        | 0.003                          | 0.013        |
| 7. Circular Kiln                              | 8760                              | 0.026                     | 1.149        |                                |              |
| 8. Cir K Burner                               | 8760                              | 0.013                     | 0.057        | 0.023                          | 0.101        |
| 9. Smaller Kilns                              | 8760                              | 0.007                     | 0.030        | 0.012                          | 0.053        |
| 10. CB Boiler                                 | 8760                              | 0.031                     | 0.134        | 0.022                          | 0.095        |
| 11. Johnson Boiler                            | 8760                              | 0.036                     | 0.156        | 0.025                          | 0.110        |
| 12. Brushing Booth                            | 8760                              | 0.200                     | 0.876        |                                |              |
| 13. Glaze Spray Booth                         | 8760                              | 0.128                     | 0.558        |                                |              |
| 14. Glaze Spray Booth                         | 8760                              | 0.064                     | 0.279        |                                |              |
| 15. Glaze Spray Booth                         | 8760                              | 0.064                     | 0.279        |                                |              |
| 16. Glaze Spray Booth                         | 8760                              | 0.638                     | 2.792        |                                |              |
| 17. Glaze Spray Booth                         | 8760                              | 0.255                     | 1.117        |                                |              |
| 18. 1 - Lacquer Dip Tank with Filters         | 4500                              | 0.006                     | 0.012        | 9.115                          | 20.508       |
| 19. Grinders with Dust Collector              | 8760                              | 0.011                     | 0.05         |                                |              |
| 20. Mix Weigh Scale with Dust Collect         | 8760                              | 0.0001                    | 0.0005       |                                |              |
| 21. Casting Bench/Maching Burners             | 8760                              | 0.008                     | 0.035        | 0.014                          | 0.062        |
| 22. Trim/Finish Process Lines with Collectors | 8760                              | 0.001                     | 0.006        |                                |              |

| <u>Item of Equipment</u>                      | <u>Hours of<br/>Operation<br/>(Hours)</u> | <u>Particulate Matter</u> |              | <u>Volatile Organic Matter</u> |              |
|---|---|---------------------------|--------------|--------------------------------|--------------|
|   |   | <u>(Lb/Hr)</u>            | <u>(TPY)</u> | <u>(Lb/Hr)</u>                 | <u>(TPY)</u> |
| 23. Special Coating                           | 8760                                      |                           |              | 0.2368                         | 1.037        |
| 24. Two (2) Periodic<br>Kilns                 | 8760                                      | 0.006                     | 0.0026       | 0.015                          | 0.066        |
| 25. Five (5) Glaze<br>Coating Spray<br>Booths | 8760                                      | 0.005                     | 0.11         |                                |              |

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