



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL MODIFICATION  
HAMILTON COUNTY**

**CERTIFIED MAIL**

Street Address:

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov.  
Center

**Application No: 14-03870**

**DATE: 9/26/2002**

Procter & Gamble Co  
Brian Bachman  
5201 Spring Grove Ave  
Cincinnati, OH 45217

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission  
236 East Town Street, Room 300  
Columbus, Ohio 43215

Very truly yours,

*Michael W. Ahern*

Michael W. Ahern, Supervisor  
Field Operations and Permit Section  
Division of Air Pollution Control

CC: USEPA

HCDES



**Permit To Install  
Terms and Conditions**

**Issue Date: 9/26/2002  
Effective Date: 9/26/2002**

**FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 14-03870**

Application Number: 14-03870  
APS Premise Number: 1431390903  
Permit Fee: **\$4100**  
Name of Facility: Procter & Gamble Co  
Person to Contact: Brian Bachman  
Address: 5201 Spring Grove Ave  
Cincinnati, OH 45217

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**5201 Spring Grove Ave  
Cincinnati, Ohio**

Description of proposed emissions unit(s):  
**Administrative modification.**

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

**Part I - GENERAL TERMS AND CONDITIONS****A. State and Federally Enforceable Permit To Install General Terms and Conditions****1. Monitoring and Related Recordkeeping and Reporting Requirements**

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
  - i. The date, place (as defined in the permit), and time of sampling or measurements.
  - ii. The date(s) analyses were performed.
  - iii. The company or entity that performed the analyses.
  - iv. The analytical techniques or methods used.
  - v. The results of such analyses.
  - vi. The operating conditions existing at the time of sampling or measurement.
- b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
  - i. Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
  - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the appropriate Ohio EPA District Office or local air agency. The written reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous

calendar quarters. See B.10 below if no deviations occurred during the quarter.

- iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
- iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

## 2. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to OAC rule 3745-15-06.

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

## 3. Risk Management Plans

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

## 4. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

## 5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

## 6. General Requirements

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.
- b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d. This permit does not convey any property rights of any sort, or any exclusive privilege.
- e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

## 7. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section

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3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit To Install fees within 30 days after the issuance of this Permit To Install.

## 8. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

## 9. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
  - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
  - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.
  - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
  - iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress

reports shall contain the following:

- i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
- ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

#### **10. Permit To Operate Application**

- a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).
- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within thirty (30) days after commencing operation of the source(s) covered by this permit.

#### **11. Best Available Technology**

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

#### **12. Air Pollution Nuisance**

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

## **B. State Only Enforceable Permit To Install General Terms and Conditions**

### **1. Compliance Requirements**

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

### **2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements**

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from state-only required emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

### **3. Permit Transfers**

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

### **4. Termination of Permit To Install**

This permit to install shall terminate within eighteen months of the effective date of the permit to install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

## **5. Construction of New Sources(s)**

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

## **6. Public Disclosure**

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

## **7. Applicability**

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

## **8. Construction Compliance Certification**

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit To Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

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**9. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)**

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

**C. Permit To Install Summary of Allowable Emissions**

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

**SUMMARY (for informational purposes only)  
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons Per Year</u>
PM	32.4
PM10	26.5
OC	56.43
SO2	0.022
CO	3.12
NOx	5.11

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**Part II - FACILITY SPECIFIC TERMS AND CONDITIONS**

**A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions**

None

**B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions**

None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P104 - Soap Dryer 1 - Modification	OAC rule 3745-31-05(A)(3)	PM: 0.0087 lb/hr, 0.035 TPY PM <sub>10</sub> : 0.0071 lb/hr, 0.029 TPY OC: 0.63 lb/hr from the oxidizer or 1.95 lbs/hr from scrubber and 4.23 TPY SO <sub>2</sub> : 0.001 lb/hr, 0.0048 TPY CO: 0.16 lb/hr, 0.68 TPY NO <sub>x</sub> : 0.25 lb/hr, 1.11 TPY  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1).
	OAC rule 3745-17-07(A)(1)	See term A.2.b.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- 2.a The hourly emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.
- 2.b Visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a

six minute average, except as specified by rule.

- 2.c** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a thermal oxidizer system with at least an 80 % control efficiency or as a back-up the use of a scrubber for a limited number of hours.

## **II. Operational Restrictions**

1. The permittee shall operate a thermal oxidizer system, which consists of a water disengagement system followed by a thermal oxidizer, that controls at least 80% of the organic compound emissions produced by this emissions unit. As a backup to the thermal oxidizer, the permittee shall operate a scrubber that controls at least 80% of the organic compound emissions produced by this emissions unit.
2. The maximum annual operating hours for the scrubber used to control this emissions unit shall not exceed 2225 hours. The permittee shall inform the Hamilton County Department of Environmental Services of the intent to operate the scrubber system within the next two business days of beginning operation of the scrubber system.
3. The average temperature of the retention chamber of the thermal oxidizer, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1650 degrees F.

## **III. Monitoring and/or Record keeping Requirements**

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the temperature within the thermal oxidizer when this emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record following information for each day:

- a. All 3-hour blocks of time during which the average temperature within the thermal oxidizer, when the emissions unit and thermal oxidizer was in operation, was below the temperature limitation in term A.II.3.
- b. The hours of operation for the scrubber.
- c. A log of the downtime for the capture (collection) system, control devices, and monitoring

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Emissions Unit ID: P104

equipment, when the associated emissions unit was in operation.

#### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
  - a. An identification of any exceedances of the operating hours limitation for the scrubber.
  - b. An identification of any 3-hour blocks of time during which the average temperature of the of the thermal oxidizer does not comply with the temperature limitation specified in term A.II.3.

The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I - General Terms and Conditions A.1.c.ii.

2. The permittee shall submit annual reports which include the following information:
  - a. The total number of hours the scrubber was in operation.
  - b. The total OC and PM emissions from emissions units P104 - P107 and P126 - P139.

The annual reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

#### V. Testing Requirements

1. Compliance with the visible particulate emission limitation for stack emissions shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.
2. Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable), and the operational parameters (throughput, production rates, and any other operational parameters which affect emissions) as submitted in the PTI application 14-3870 submitted as complete 4/23/97 and the test reports of the thermal oxidizer received on 6/25/01 and the water disengagement system received on 12/3/01.
3. Compliance with the hours of operation limit in term A.II.2 shall be demonstrated by the records in term A.III.1.

#### VI. Miscellaneous Requirements

1. The terms and conditions of this permit to install shall supersede the terms and conditions of permit to install number 14-03870 issued May 2, 2002.

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P104 - Soap Dryer 1	None	None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

Modification Issued: 9/26/2002

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P105 - Soap Dryer 2 - Modification	OAC rule 3745-31-05(A)(3)	PM/PM <sub>10</sub> : 0.0087 lb/hr, 0.035 TPY PM <sub>10</sub> : 0.0071 lb/hr, 0.029 TPY OC: 0.63 lb/hr from the oxidizer or 1.95 lbs/hr from scrubber and 4.23 TPY SO <sub>2</sub> : 0.001 lb/hr, 0.0048 TPY CO: 0.16 lb/hr, 0.68 TPY NO <sub>x</sub> : 0.25 lb/hr, 1.11 TPY
	OAC rule 3745-17-07(A)(1)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1).
	OAC rule 3745-17-11	See term A.2.b.  The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

Emissions Unit ID: P105

- 2.a The hourly emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.
- 2.b Visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a six minute average, except as specified by rule.
- 2.c Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a thermal oxidizer system with at least an 80 % control efficiency or as a back-up the use of a scrubber for a limited number of hours.

## II. Operational Restrictions

1. The permittee shall operate a thermal oxidizer system, which consists of a water disengagement system followed by a thermal oxidizer, that controls at least 80% of the organic compound emissions produced by this emissions unit. As a backup to the thermal oxidizer, the permittee shall operate a scrubber that controls at least 80% of the organic compound emissions produced by this emissions unit.
2. The maximum annual operating hours for the scrubber used to control this emissions unit shall not exceed 2225 hours. The permittee shall inform the Hamilton County Department of Environmental Services of the intent to operate the scrubber system within the next two business days of beginning operation of the scrubber system.
3. The average temperature of the retention chamber of the thermal oxidizer, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1650 degrees F.

## III. Monitoring and/or Record keeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the temperature within the thermal oxidizer when this emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record following information for each day:

- a. All 3-hour blocks of time during which the average temperature within the thermal oxidizer, when the emissions unit and thermal oxidizer was in operation, was below the temperature limitation in term A.II.3.
- b. The hours of operation for the scrubber.
- c. A log of the downtime for the capture (collection) system, control devices, and monitoring equipment, when the associated emissions unit was in operation.

#### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
  - a. An identification of any exceedances of the operating hours limitation for the scrubber.
  - b. An identification of any 3-hour blocks of time during which the average temperature of the thermal oxidizer does not comply with the temperature limitation specified above.

The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I - General Terms and Conditions A.1.c.ii.

2. The permittee shall submit annual reports which include the following information:
  - a. The total number of hours the scrubber was in operation.
  - b. The total OC and PM emissions from emissions units P104 - P107 and P126 - P139.

The annual reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

#### V. Testing Requirements

1. Compliance with the visible particulate emission limitation for stack emissions shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.
2. Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable), and the operational parameters (throughput, production rates, and any other operational parameters which affect emissions) as submitted in the PTI application 14-3870 submitted as complete 4/23/97 and the test reports of the thermal oxidizer received on 6/25/01 and the water disengagement system received on 12/3/01.
3. Compliance with the hours of operation limit in term A.II.2 shall be demonstrated by the records in term A.III.1.

#### VI. Miscellaneous Requirements

1. The terms and conditions of this permit to install shall supersede the terms and conditions of permit to install number 14-03870 issued May 2, 2002.

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PTI Application: 14 02870

**Modif**

Facility ID: 1431390903

Emissions Unit ID: P105

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P105 - Soap Dryer 2	None	None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)****A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P106 - Soap Dryer 3 - Modification	OAC rule 3745-31-05(A)(3)	PM: 0.011 lb/hr, 0.045 TPY PM <sub>10</sub> : 0.009 lb/hr, 0.037 TPY OC: 0.82 lb/hr from the oxidizer or 2.52 lbs/hr from scrubber and 5.47 TPY SO <sub>2</sub> : 0.0014 lb/hr, 0.0062 TPY CO: 0.20 lb/hr, 0.88 TPY NO <sub>x</sub> : 0.33 lb/hr, 1.44 TPY
	OAC rule 3745-17-07(A)(1)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1).
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**Modification Issued: 9/26/2002**

## **2. Additional Terms and Conditions**

- 2.a** The hourly emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.
- 2.b** Visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a six minute average, except as specified by rule.
- 2.c** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a thermal oxidizer system with at least an 80 % control efficiency or as a back-up the use of a scrubber for a limited number of hours.

## **II. Operational Restrictions**

- 1. The permittee shall operate a thermal oxidizer system, which consists of a water disengagement system followed by a thermal oxidizer, that controls at least 80% of the organic compound emissions produced by this emissions unit. As a backup to the thermal oxidizer, the permittee shall operate a scrubber that controls at least 80% of the organic compound emissions produced by this emissions unit.
- 2. The maximum annual operating hours for the scrubber used to control this emissions unit shall not exceed 2225 hours. The permittee shall inform the Hamilton County Department of Environmental Services of the intent to operate the scrubber system within the next two business days of beginning operation of the scrubber system.
- 3. The average temperature of the retention chamber of the thermal oxidizer, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1650 degrees F.

## **III. Monitoring and/or Record keeping Requirements**

- 1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the temperature within the thermal oxidizer when this emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record following information for each day:

Emissions Unit ID: P106

- a. All 3-hour blocks of time during which the average temperature within the thermal oxidizer, when the emissions unit and thermal oxidizer was in operation, was below the temperature limitation in term A.II.3.
- b. The hours of operation for the scrubber.
- c. A log of the downtime for the capture (collection) system, control devices, and monitoring equipment, when the associated emissions unit was in operation.

#### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
  - a. An identification of any exceedances of the operating hours limitation for the scrubber.
  - b. An identification of any 3 hour blocks of time during which the average temperature of the thermal oxidizer does not comply with the temperature limitation specified above.

The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I - General Terms and Conditions A.1.c.ii.

2. The permittee shall submit annual reports which include the following information:
  - a. The total number of hours the scrubber was in operation.
  - b. The total OC and PM emissions from emissions units P104 - P107 and P126 - P139.

The annual reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

#### V. Testing Requirements

1. Compliance with the visible particulate emission limitation for stack emissions shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.
2. Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable), and the operational parameters (throughput, production rates, and any other operational parameters which affect emissions) as submitted in the PTI application 14-3870 submitted as complete 4/23/97 and the test reports of the thermal oxidizer received on 6/25/01 and the water disengagement system received on 12/3/01.
3. Compliance with the hours of operation limit in term A.II.2 shall be demonstrated by the records in term A.III.1.

#### VI. Miscellaneous Requirements

1. The terms and conditions of this permit to install shall supersede the terms and conditions of permit to install number 14-03870 issued May 2, 2002.

**B. State Only Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P106 - Soap Dryer 3	None	None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

Modification Issued: 9/26/2002

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P107 - Soap Dryer 4 - Modification	OAC rule 3745-31-05(A)(3)	PM: 0.011 lb/hr, 0.045 TPY PM <sub>10</sub> : 0.009 lb/hr, 0.037 TPY OC: 0.82 lb/hr from the oxidizer or 2.52 lbs/hr from scrubber and 5.47 TPY SO <sub>2</sub> : 0.0014 lb/hr, 0.0062 TPY CO: 0.20 lb/hr, 0.88 TPY NO <sub>x</sub> : 0.33 lb/hr, 1.44 TPY
	OAC rule 3745-17-07(A)(1)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1).
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

## 2. Additional Terms and Conditions

- 2.a The hourly emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.
- 2.b Visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a six minute average, except as specified by rule.
- 2.c Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a thermal oxidizer system with at least an 80 % control efficiency or as a back-up the use of a scrubber for a limited number of hours.

## II. Operational Restrictions

- 1. The permittee shall operate a thermal oxidizer system, which consists of a water disengagement system followed by a thermal oxidizer, that controls at least 80% of the organic compound emissions produced by this emissions unit. As a backup to the thermal oxidizer, the permittee shall operate a scrubber that controls at least 80% of the organic compound emissions produced by this emissions unit.
- 2. The maximum annual operating hours for the scrubber used to control this emissions unit shall not exceed 2225 hours. The permittee shall inform the Hamilton County Department of Environmental Services of the intent to operate the scrubber system within the next two business days of beginning operation of the scrubber system.
- 3. The average temperature of the retention chamber of the thermal oxidizer, for any 3-hour block of time when the emissions unit is in operation, shall not be less than 1650 degrees F.

## III. Monitoring and/or Record keeping Requirements

- 1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the temperature within the thermal oxidizer when this emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

The permittee shall collect and record following information for each day:

- a. All 3-hour blocks of time during which the average temperature within the thermal oxidizer, when the emissions unit and thermal oxidizer was in operation, was below the temperature limitation in term A.II.3.
- b. The hours of operation for the scrubber.

- c. A log of the downtime for the capture (collection) system, control devices, and monitoring equipment, when the associated emissions unit was in operation.

#### IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
  - a. An identification of any exceedances of the operating hours limitation for the scrubber.
  - b. An identification of any 3-hour blocks of time during which the average temperature of the of the thermal oxidizer does not comply with the temperature limitation specified above.

The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I - General Terms and Conditions A.1.c.ii.

2. The permittee shall submit annual reports which include the following information:
  - a. The total number of hours the scrubber was in operation.
  - b. The total OC and PM emissions from emissions units P104 - P107 and P126 - P139.

The annual reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

#### V. Testing Requirements

1. Compliance with the visible particulate emission limitation for stack emissions shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.
2. Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable), and the operational parameters (throughput, production rates, and any other operational parameters which affect emissions) as submitted in the PTI application 14-3870 submitted as complete 4/23/97 and the test reports of the thermal oxidizer received on 6/25/01 and the water disengagement system received on 12/3/01.
3. Compliance with the hours of operation limit in term A.II.2 shall be demonstrated by the records in term A.III.1.

#### VI. Miscellaneous Requirements

1. The terms and conditions of this permit to install shall supersede the terms and conditions of

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Procter & Gamble Co

PTI Application: 14-03870

**Modif**

Facility ID: 1431390903

Emissions Unit ID: P107

permit to install number 14-03870 issued May 2, 2002.

**B. State Only Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P107 - Soap Dryer 4	None	None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P126 - Soap Mixing Tank #1	OAC rule 3745-31-05(A)(3)	PM: 1.59 lbs/hr, 3.19 TPY PM <sub>10</sub> : 1.3 lbs/hr, 2.61 TPY OC: 0.017 lb/hr, 0.074 TPY
	OAC rule 3745-17-07(A)	See term A.2.b.  The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- 2.a The hourly emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with

these limits.

- 2.b Visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a six minute average, except as specified by rule.
- 2.c Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a rotoclone with at least an 90 % control efficiency and limited hours of operation.

## II. Operational Restrictions

- 1. The permittee shall operate a rotoclone that controls at least 90% of the particulate matter emissions produced by the bag dump station in this emissions unit.
- 2. The maximum annual operating hours for the bag dump station in this emissions unit shall not exceed 4000 hours, based upon a rolling, 12 month summation of the operating hours.

## III. Monitoring and/or Record keeping Requirements

- 1. The permittee shall collect and record the following information each month:
  - a. A log or record of operating time for each bag dump station,
  - b. The updated rolling, 12 month summation of the operating hours for each bag dump station in the soap mixing tank for this emissions unit.

## IV. Reporting Requirements

- 1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12 month operating hours limitation for the bag dump station in term A.II.2.

The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I - General Terms and Conditions A.1.c.ii.

- 2. The permittee shall submit annual reports which include the following information:
  - a. A summary of all exceedances reported during the year; and
  - b. The total OC and PM emissions from emissions units P104 - P107 and P126 - P139 for the calendar year.

The annual reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

## V. Testing Requirements

- 1. Compliance with the visible particulate emission limitation for stack emissions shall be

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demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.

2. Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable), and the operational parameters (throughput, production rates, and any other operational parameters which affect emissions) as submitted in the PTI application 14-3870 submitted as complete on 4/23/97 and the technical corrections received on 12/13/00.

**VI. Miscellaneous Requirements**

1. The terms and conditions of this permit to install shall supersede the terms and conditions of permit to install number 14-03870 issued May 2, 2002.

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P126 - Soap Mixing Tank #1	None	None

**2. Additional Terms and Conditions**

- 2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)****A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P127 - Soap Mixing Tank #3	OAC rule 3745-31-05(A)(3)	PM: 1.59 lbs/hr, 3.19 TPY PM <sub>10</sub> : 1.3 lbs/hr, 2.61 TPY OC: 0.011 lb/hr, 0.048 TPY  See term A.2.b.
	OAC rule 3745-17-07(A)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- 2.a The hourly emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with

these limits.

- 2.b Visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a six minute average, except as specified by rule.
- 2.c Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a rotoclone with at least an 90 % control efficiency and limited hours of operation.

## II. Operational Restrictions

- 1. The permittee shall operate a rotoclone that controls at least 90% of the particulate matter emissions produced by the bag dump station in this emissions unit.
- 2. The maximum annual operating hours for the bag dump station in this emissions unit shall not exceed 4000 hours, based upon a rolling, 12 month summation of the operating hours.

## III. Monitoring and/or Record keeping Requirements

- 1. The permittee shall collect and record the following information each month:
  - a. A log or record of operating time for each bag dump station,
  - b. The updated rolling, 12 month summation of the operating hours for each bag dump station in the soap mixing tank for this emissions unit.

## IV. Reporting Requirements

- 1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12 month operating hours limitation for the bag dump station in term A.II.2.

The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I - General Terms and Conditions A.1.c.ii.

- 2. The permittee shall submit annual reports which include the following information:
  - a. A summary of all exceedances reported during the year; and
  - b. The total OC and PM emissions from emissions units P104 - P107 and P126 - P139 for the calendar year.

The annual reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

## V. Testing Requirements

- 1. Compliance with the visible particulate emission limitation for stack emissions shall be

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demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.

2. Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable), and the operational parameters (throughput, production rates, and any other operational parameters which affect emissions) as submitted in the PTI application 14-3870 submitted as complete on 4/23/97 and the technical corrections received on 12/13/00.

**VI. Miscellaneous Requirements**

1. The terms and conditions of this permit to install shall supersede the terms and conditions of permit to install number 14-03870 issued May 2, 2002.

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P127 - Soap Mixing Tank #3	None	None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P128 - Soap Mixing Tank #4	OAC rule 3745-31-05(A)(3)	PM: 1.59 lbs/hr, 3.19 TPY PM <sub>10</sub> : 1.3 lbs/hr, 2.61 TPY OC: 0.011 lb/hr, 0.048 TPY
	OAC rule 3745-17-07(A)	See term A.2.b. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- 2.a The hourly emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.
- 2.b Visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a six minute average, except as specified by rule.
- 2.c Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a

rotoclone with at least an 90 % control efficiency and limited hours of operation.

## II. Operational Restrictions

1. The permittee shall operate a rotoclone that controls at least 90% of the particulate matter emissions produced by the bag dump station in this emissions unit.
2. The maximum annual operating hours for the bag dump station in this emissions unit shall not exceed 4000 hours, based upon a rolling, 12 month summation of the operating hours.

## III. Monitoring and/or Record keeping Requirements

1. The permittee shall collect and record the following information each month:
  - a. A log or record of operating time for each bag dump station,
  - b. The updated rolling, 12 month summation of the operating hours for each bag dump station in the soap mixing tank for this emissions unit.

## IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12 month operating hours limitation for the bag dump station in term A.II.2.

The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I - General Terms and Conditions A.1.c.ii.

2. The permittee shall submit annual reports which include the following information:
  - a. A summary of all exceedances reported during the year; and
  - b. The total OC and PM emissions from emissions units P104 - P107 and P126 - P139 for the calendar year.

The annual reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

## V. Testing Requirements

1. Compliance with the visible particulate emission limitation for stack emissions shall be

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demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.

2. Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable), and the operational parameters (throughput, production rates, and any other operational parameters which affect emissions) as submitted in the PTI application 14-3870 submitted as complete on 4/23/97.

**VI. Miscellaneous Requirements**

1. The terms and conditions of this permit to install shall supersede the terms and conditions of permit to install number 14-03870 issued May 2, 2002.

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P128 - Soap Mixing Tank #4	None	None

**2. Additional Terms and Conditions**

- 2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P129 - Flake Bin ½	OAC rule 3745-31-05(A)(3)	PM: 0.13 lb/hr, 0.55 TPY PM <sub>10</sub> : 0.11 lb/hr, 0.45 TPY OC: 0.013 lb/hr, 0.057 TPY  See term A.2.b.
	OAC rule 3745-17-07(A)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- 2.a The hourly emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with

these limits.

- 2.b** There shall be no visible particulate emissions from the exhaust stack of this emissions unit.

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- 2.c Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a fabric filter.

## **II. Operational Restrictions**

1. The permittee shall operate fabric filters that control at least 99.9% of the particulate matter emissions produced in this emissions unit.
2. The pressure drop across the fabric filter for each fabric filter shall be maintained within the range of 1 to 8 inches of water while the emissions unit is in operation .

## **III. Monitoring and/or Record keeping Requirements**

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the fabric filter while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall collect and record the pressure drop across the fabric filter on a weekly basis.

## **IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all periods of time during which the pressure drop across the fabric filter did not comply with the allowable range specified in term A.II.2.

The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I - General Terms and Conditions A.1.c.ii.

2. The permittee shall submit annual reports which include the following information:
  - a. A summary of all exceedances reported during the year; and
  - b. The total OC and PM emissions from emissions units P104 - P107 and P126 - P139 for the calendar year.

The annual reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

## **V. Testing Requirements**

Emissions Unit ID: **P129**

1. Compliance with the visible particulate emission limitation for stack emissions shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.
2. Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable), and the operational parameters (throughput, production rates, and any other operational parameters which affect emissions) as submitted in the PTI application 14-3870 submitted as complete on 4/23/97.

## **VI. Miscellaneous Requirements**

1. The terms and conditions of this permit to install shall supersede the terms and conditions of permit to install number 14-03870 issued May 2, 2002.

**B. State Only Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P129 - Flake Bin ½	None	None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Record keeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P130 - Bar Soap Making System #1 - Modification	OAC rule 3745-31-05(A)(3)	PM: 1.91 lbs/hr, 8.36 TPY PM <sub>10</sub> : 1.56 lbs/hr, 6.84 TPY OC: 1.01 lbs/hr, 4.40 TPY
	OAC rule 3745-17-07(A)(1)	The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1).
	OAC rule 3745-17-11	See term A.2.b.
	OAC rule 3745-21-07(G)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
		The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- 2.a The hourly emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.

**Modification Issued: 9/26/2002**

- 2.b** Visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a six minute average, except as specified by rule.
- 2.c** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a fabric filter which is at least 99.9% efficient and the use of a cyclone which is at least 90% efficient (if employed).

## **II. Operational Restrictions**

1. The permittee shall operate fabric filters that control at least 99.9% of the particulate matter emissions produced in this emissions unit. A cyclone that is at least 90% efficient may be used for the addition of minor dry additives.
2. The permittee shall maintain and operate the cyclone and fabric filters according to the manufacturer's specifications.
3. The pressure drop across the fabric filter for each fabric filter shall be maintained within the range of 1 to 8 inches of water while the emissions unit is in operation .

## **III. Monitoring and/or Record keeping Requirements**

1. The permittee shall operate and maintain equipment to monitor the pressure drop across the fabric filter for this emissions unit while it is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall collect and record the pressure drop across the fabric filters for this emissions unit on a daily basis.

## **IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all periods of time during which the pressure drop across the fabric filter did not comply with the allowable range specified in term A.II.3.

The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I - General Terms and Conditions A.1.c.ii.

2. The permittee shall submit annual reports which include the following information:
  - a. A summary of all exceedances reported during the year; and

- b. The total OC and PM emissions from emissions units P104 - P107 and P126 - P139 for the calendar year.

The annual reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

**V. Testing Requirements**

1. Compliance with the visible particulate emission limitation for stack emissions shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.
2. Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable), and the operational parameters (throughput, production rates, and any other operational parameters which affect emissions) as submitted in the PTI application 14-3870 submitted as complete on 4/23/97.

If required, compliance with the emission limits stated in A.1. shall be demonstrated by emission tests performed in accordance with the following methods:

for particulate emissions, Method 5 of 40 CFR Part 60 Appendix A; for organic compound emissions, Method 25 of 40 CFR Part 60, Appendix A.

**VI. Miscellaneous Requirements**

1. The terms and conditions of this permit to install shall supersede the terms and conditions of permit to install number 14-03870 issued May 2, 2002.

**Modification Issued: 9/26/2002**

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P130 - Bar Soap Making System #1	None	None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)****A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P131 - Bar Soap Making System #2 - Modification	OAC rule 3745-31-05(A)(3)	PM: 1.91 lbs/hr, 8.36 TPY PM <sub>10</sub> : 1.56 lbs/hr, 6.84 TPY OC: 1.01 lbs/hr, 4.40 TPY  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1).
	OAC rule 3745-17-07(A)(1)	See term A.2.b.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- 2.a The hourly emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.

- 2.b Visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a six minute average, except as specified by rule.
- 2.c Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a fabric filter which is at least 99.9% efficient and the use of a cyclone which is at least 90% efficient (if employed).

## II. Operational Restrictions

1. The permittee shall operate fabric filters that control at least 99.9% of the particulate matter emissions produced in this emissions unit. A cyclone that is at least 90% efficient may be used for the addition of minor dry additives.
2. The permittee shall maintain and operate the cyclone and fabric filters according to the manufacturer's specifications.
3. The pressure drop across the fabric filter for each fabric filter shall be maintained within the range of 1 to 8 inches of water while the emissions unit is in operation .

## III. Monitoring and/or Record keeping Requirements

1. The permittee shall operate and maintain equipment to monitor the pressure drop across the fabric filter for this emissions unit while it is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall collect and record the pressure drop across the fabric filter for this emissions unit on a daily basis.

## IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all periods of time during which the pressure drop across the fabric filter did not comply with the allowable range specified in term A.II.3.

The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I - General Terms and Conditions A.1.c.ii.

2. The permittee shall submit annual reports which include the following information:
  - a. A summary of all exceedances reported during the year; and
  - b. The total OC and PM emissions from emissions units P104 - P107 and P126 - P139 for the calendar year.

The annual reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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**Modification Issued: 9/26/2002**

Emissions Unit ID: P131

**V. Testing Requirements**

1. Compliance with the visible particulate emission limitation for stack emissions shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.
2. Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable), and the operational parameters (throughput, production rates, and any other operational parameters which affect emissions) as submitted in the PTI application 14-3870 submitted as complete on 4/23/97.

If required, compliance with the emission limits stated in A.1. shall be demonstrated by emission tests performed in accordance with the following methods:

for particulate emissions, Method 5 of 40 CFR Part 60 Appendix A; for organic compound emissions, Method 25 of 40 CFR Part 60, Appendix A.

**VI. Miscellaneous Requirements**

1. The terms and conditions of this permit to install shall supersede the terms and conditions of permit to install number 14-03870 issued May 2, 2002.

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P131 - Bar Soap Making System #2	None	None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P132 - Bar Soap Making System #3 - Modification	OAC rule 3745-31-05(A)(3)	PM: 0.24 lb/hr, 1.0 TPY PM <sub>10</sub> : 0.2 lb/hr, 0.82 TPY OC: 0.80 lb/hr, 3.50 TPY  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1).
	OAC rule 3745-17-07(A)(1)	See term A.2.b.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- 2.a The hourly emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.

**Modification Issued: 9/26/2002**

- 2.b** Visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a six minute average, except as specified by rule.
- 2.c** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a fabric filter which is at least 99.9% efficient and the use of a cyclone which is at least 90% efficient (if employed).

## **II. Operational Restrictions**

1. The permittee shall operate fabric filters that control at least 99.9% of the particulate matter emissions produced in this emissions unit. A cyclone that is at least 90% efficient may be used for the addition of minor dry additives.
2. The permittee shall maintain and operate the cyclone and fabric filters according to the manufacturer's specifications.
3. The pressure drop across the fabric filter for each fabric filter shall be maintained within the range of 1 to 8 inches of water while the emissions unit is in operation .

## **III. Monitoring and/or Record keeping Requirements**

1. The permittee shall operate and maintain equipment to monitor the pressure drop across the fabric filter for this emissions unit while it is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall collect and record the pressure drop across the fabric filters for this emissions unit on a daily basis.

## **IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all periods of time during which the pressure drop across the fabric filter did not comply with the allowable range specified in term A.II.3.

The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I - General Terms and Conditions A.1.c.ii.

2. The permittee shall submit annual reports which include the following information:

Emissions Unit ID: P132

- a. A summary of all exceedances reported during the year; and
- b. The total OC and PM emissions from emissions units P104 - P107 and P126 - P139 for the calendar year.

The annual reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

**V. Testing Requirements**

1. Compliance with the visible particulate emission limitation for stack emissions shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.
2. Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable), and the operational parameters (throughput, production rates, and any other operational parameters which affect emissions) as submitted in the PTI application 14-3870 submitted as complete on 4/23/97.

If required, compliance with the emission limits stated in A.1. shall be demonstrated by emission tests performed in accordance with the following methods:

for particulate emissions, Method 5 of 40 CFR Part 60 Appendix A; for organic compound emissions, Method 25 of 40 CFR Part 60, Appendix A.

**VI. Miscellaneous Requirements**

1. The terms and conditions of this permit to install shall supersede the terms and conditions of permit to install number 14-03870 issued May 2, 2002.

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P132 - Bar Soap Making System #3	None	None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)****A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P133 - Bar Soap Making System #4 - Modification	OAC rule 3745-31-05(A)(3)	PM: 0.30 lb/hr, 1.26 TPY PM <sub>10</sub> : 0.25 lb/hr, 1.03 TPY OC: 0.80 lb/hr, 3.50 TPY  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1).
	OAC rule 3745-17-07(A)(1)	See term A.2.b.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- 2.a The hourly emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.

- 2.b Visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a six minute average, except as specified by rule.
- 2.c Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a fabric filter which is at least 99.9% efficient and the use of a cyclone which is at least 90% efficient (if employed).

## II. Operational Restrictions

1. The permittee shall operate fabric filters that control at least 99.9% of the particulate matter emissions produced in this emissions unit. A cyclone that is at least 90% efficient may be used for the addition of minor dry additives.
2. The permittee shall maintain and operate the cyclone and fabric filters according to the manufacturer's specifications.
3. The pressure drop across the fabric filter for each fabric filter shall be maintained within the range of 1 to 8 inches of water while the emissions unit is in operation .

## III. Monitoring and/or Record keeping Requirements

1. The permittee shall operate and maintain equipment to monitor the pressure drop across the fabric filter for this emissions unit while it is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall collect and record the pressure drop across the fabric filters for this emissions unit on a daily basis.

## IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all periods of time during which the pressure drop across the fabric filter did not comply with the allowable range specified in term A.II.3.

The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I - General Terms and Conditions A.1.c.ii.

2. The permittee shall submit annual reports which include the following information:
  - a. A summary of all exceedances reported during the year; and
  - b. The total OC and PM emissions from emissions units P104 - P107 and P126 - P139 for the calendar year.

The annual reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

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PTI Application: 14 02870

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Facility ID: 1431390903

Emissions Unit ID: P133

**V. Testing Requirements**

1. Compliance with the visible particulate emission limitation for stack emissions shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.
2. Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable), and the operational parameters (throughput, production rates, and any other operational parameters which affect emissions) as submitted in the PTI application 14-3870 submitted as complete on 4/23/97.

If required, compliance with the emission limits stated in A.1. shall be demonstrated by emission tests performed in accordance with the following methods:

for particulate emissions, Method 5 of 40 CFR Part 60 Appendix A; for organic compound emissions, Method 25 of 40 CFR Part 60, Appendix A.

**VI. Miscellaneous Requirements**

1. The terms and conditions of this permit to install shall supersede the terms and conditions of permit to install number 14-03870 issued May 2, 2002.

**B. State Only Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P133 - Bar Soap Making System #4	None	None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P134 - Bar Soap Making System #5 - Modification	OAC rule 3745-31-05(A)(3)	PM: 0.34 lb/hr, 1.39 TPY PM <sub>10</sub> : 0.28 lb/hr, 1.14 TPY OC: 0.80 lb/hr, 3.50 TPY  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1).
	OAC rule 3745-17-07(A)(1)	See term A.2.b.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- 2.a The hourly emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.
- 2.b Visible particulate emissions from emissions this unit shall not exceed 20% opacity, as a six minute average, except as specified by rule.

**Modification Issued: 9/26/2002**

- 2.c Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a fabric filter which is at least 99.9% efficient .

**II. Operational Restrictions**

1. The permittee shall operate fabric filters that control at least 99.9% of the particulate matter emissions produced in this emissions unit.
2. The pressure drop across the fabric filter for each fabric filter shall be maintained within the range of 1 to 8 inches of water while the emissions unit is in operation .

**III. Monitoring and/or Record keeping Requirements**

1. The permittee shall operate and maintain equipment to monitor the pressure drop across the fabric filter for this emissions unit while it is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall collect and record the pressure drop across the fabric filter for this emissions unit on a daily basis.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all periods of time during which the pressure drop across the fabric filter did not comply with the allowable range specified in term A.II.2..

The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I - General Terms and Conditions A.1.c.ii.

2. The permittee shall submit annual reports which include the following information:
  - a. A summary of all exceedances reported during the year; and
  - b. The total OC and PM emissions from emissions units P104 - P107 and P126 - P139 for the calendar year.

The annual reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

**V. Testing Requirements**

**Modification Issued: 9/26/2002**

1. Compliance with the visible particulate emission limitation for stack emissions shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.
2. Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable), and the operational parameters (throughput, production rates, and any other operational parameters which affect emissions) as submitted in the PTI application 14-3870 submitted as complete on 4/23/97.

If required, compliance with the emission limits stated in A.1. shall be demonstrated by emission tests performed in accordance with the following methods:

for particulate emissions, Method 5 of 40 CFR Part 60 Appendix A; for organic compound emissions, Method 25 of 40 CFR Part 60, Appendix A.

**VI. Miscellaneous Requirements**

1. The terms and conditions of this permit to install shall supersede the terms and conditions of permit to install number 14-03870 issued May 2, 2002.

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P134 - Bar Soap Making System #5	None	None

**2. Additional Terms and Conditions**

- 2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)****A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P135 - Bar Soap Packing System A - Modification	OAC rule 3745-31-05(A)(3)	PM: 0.09 lb/hr, 0.37 TPY PM <sub>10</sub> : 0.074 lb/hr, 0.30 TPY OC: 0.80 lb/hr, 3.50 TPY  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1).
	OAC rule 3745-17-07(A)(1)	See term A.2.b.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- 2.a The hourly emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.

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- 2.b** Visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a six minute average, except as specified by rule.
- 2.c** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a fabric filter which is at least 99.9% efficient.

## **II. Operational Restrictions**

1. The permittee shall operate fabric filters that control at least 99.9% of the particulate matter emissions produced in this emissions unit.
2. The pressure drop across the fabric filter for each fabric filter shall be maintained within the range of 1 to 8 inches of water while the emissions unit is in operation .

## **III. Monitoring and/or Record keeping Requirements**

1. The permittee shall operate and maintain equipment to monitor the pressure drop across the fabric filter for this emissions unit while it is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall collect and record the pressure drop across the fabric filter for this emissions unit on a weekly basis.

## **IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all periods of time during which the pressure drop across the fabric filter did not comply with the allowable range specified in term A.II.2.

The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I - General Terms and Conditions A.1.c.ii.

2. The permittee shall submit annual reports which include the following information:
  - a. A summary of all exceedances reported during the year; and
  - b. The total OC and PM emissions from emissions units P104 - P107 and P126 - P139 for the calendar year.

The annual reports shall be submitted by January 31 of each year and shall cover the previous

calendar year.

## V. Testing Requirements

1. Compliance with the visible particulate emission limitation for stack emissions shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.
2. Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable), and the operational parameters (throughput, production rates, and any other operational parameters which affect emissions) as submitted in the PTI application 14-3870 submitted as complete on 4/23/97.

If required, compliance with the emission limits stated in A.1. shall be demonstrated by emission tests performed in accordance with the following methods:

for particulate emissions, Method 5 of 40 CFR Part 60 Appendix A; for organic compound emissions, Method 25 of 40 CFR Part 60, Appendix A.

## VI. Miscellaneous Requirements

1. The terms and conditions of this permit to install shall supersede the terms and conditions of permit to install number 14-03870 issued May 2, 2002.

**B. State Only Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P135 - Bar Soap Packing System A	None	None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)****A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P136 - Bar Soap Packing System B - - Modification	OAC rule 3745-31-05(A)(3)	PM: 0.10 lb/hr, 0.44 TPY PM <sub>10</sub> : 0.074 lb/hr, 0.30 TPY OC: 1.05 lbs/hr, 4.6 TPY  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1).
	OAC rule 3745-17-07(A)(1)	See term A.2.b.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- 2.a The hourly emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.

- 2.b** Visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a six minute average, except as specified by rule.

**Modification Issued: 9/26/2002**

- 2.c Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a fabric filter which is at least 99.9% efficient.

**II. Operational Restrictions**

1. The permittee shall operate fabric filters that control at least 99.9% of the particulate matter emissions produced in this emissions unit.
2. The pressure drop across the fabric filter for each fabric filter shall be maintained within the range of 1 to 8 inches of water while the emissions unit is in operation .

**III. Monitoring and/or Record keeping Requirements**

1. The permittee shall operate and maintain equipment to monitor the pressure drop across the fabric filter for this emissions unit while it is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall collect and record the pressure drop across the fabric filter for this emissions unit on a weekly basis.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all periods of time during which the pressure drop across the fabric filter did not comply with the allowable range specified in term A.II.2..

The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I - General Terms and Conditions A.1.c.ii.

2. The permittee shall submit annual reports which include the following information:
  - a. A summary of all exceedances reported during the year; and
  - b. The total OC and PM emissions from emissions units P104 - P107 and P126 - P139 for the calendar year.

The annual reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

**V. Testing Requirements**

**Modification Issued: 9/26/2002**

1. Compliance with the visible particulate emission limitation for stack emissions shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.
2. Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable), and the operational parameters (throughput, production rates, and any other operational parameters which affect emissions) as submitted in the PTI application 14-3870 submitted as complete on 4/23/97.

If required, compliance with the emission limits stated in A.1. shall be demonstrated by emission tests performed in accordance with the following methods:

for particulate emissions, Method 5 of 40 CFR Part 60 Appendix A; for organic compound emissions, Method 25 of 40 CFR Part 60, Appendix A.

**VI. Miscellaneous Requirements**

1. The terms and conditions of this permit to install shall supersede the terms and conditions of permit to install number 14-03870 issued May 2, 2002.

**B. State Only Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P136 - Bar Soap Packing System B	None	None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P137 - Bar Soap Packing System C - Modification	OAC rule 3745-31-05(A)(3)	PM: 0.09 lb/hr, 0.37 TPY PM <sub>10</sub> : 0.074 lb/hr, 0.30 TPY OC: 0.80 lb/hr, 3.50 TPY  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1).
	OAC rule 3745-17-07(A)(1)	See term A.2.b.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- 2.a The hourly emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.

- 2.b** Visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a six minute average, except as specified by rule.

**Modification Issued: 9/26/2002**

- 2.c Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a fabric filter which is at least 99.9% efficient.

**II. Operational Restrictions**

1. The permittee shall operate fabric filters that control at least 99.9% of the particulate matter emissions produced in this emissions unit.
2. The pressure drop across the fabric filter for each fabric filter shall be maintained within the range of 1 to 8 inches of water while the emissions unit is in operation .

**III. Monitoring and/or Record keeping Requirements**

1. The permittee shall operate and maintain equipment to monitor the pressure drop across the fabric filter for this emissions unit while it is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall collect and record the pressure drop across the fabric filter for this emissions unit on a weekly basis.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all periods of time during which the pressure drop across the fabric filter did not comply with the allowable range specified in term A.II.2.

The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I - General Terms and Conditions A.1.c.ii.

2. The permittee shall submit annual reports which include the following information:
  - a. A summary of all exceedances reported during the year; and
  - b. The total OC and PM emissions from emissions units P104 - P107 and P126 - P139 for the calendar year.

The annual reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

**V. Testing Requirements**

**Modification Issued: 9/26/2002**

1. Compliance with the visible particulate emission limitation for stack emissions shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.
2. Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable), and the operational parameters (throughput, production rates, and any other operational parameters which affect emissions) as submitted in the PTI application 14-3870 submitted as complete on 4/23/97.

If required, compliance with the emission limits stated in A.1. shall be demonstrated by emission tests performed in accordance with the following methods:

for particulate emissions, Method 5 of 40 CFR Part 60 Appendix A; for organic compound emissions, Method 25 of 40 CFR Part 60, Appendix A.

**VI. Miscellaneous Requirements**

1. The terms and conditions of this permit to install shall supersede the terms and conditions of permit to install number 14-03870 issued May 2, 2002.

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P137 - Bar Soap Packing System C	None	None

**2. Additional Terms and Conditions**

- 2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

Modification Issued: 9/26/2002

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P138 - Bar Soap Packing System D - Modification	OAC rule 3745-31-05(A)(3)	PM: 0.08 lb/hr, 0.32 TPY PM <sub>10</sub> : 0.065 lb/hr, 0.26 TPY OC: 0.80 lb/hr, 3.50 TPY  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1).
	OAC rule 3745-17-07(A)(1)	See term A.2.b.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- 2.a The hourly emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.

- 2.b** Visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a six minute average, except as specified by rule.

**Modification Issued: 9/26/2002**

- 2.c Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a fabric filter which is at least 99.9% efficient.

**II. Operational Restrictions**

1. The permittee shall operate fabric filters that control at least 99.9% of the particulate matter emissions produced in this emissions unit.
2. The pressure drop across the fabric filter for each fabric filter shall be maintained within the range of 1 to 8 inches of water while the emissions unit is in operation .

**III. Monitoring and/or Record keeping Requirements**

1. The permittee shall operate and maintain equipment to monitor the pressure drop across the fabric filter for this emissions unit while it is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall collect and record the pressure drop across the fabric filter for this emissions unit on a weekly basis.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all periods of time during which the pressure drop across the fabric filter did not comply with the allowable range specified in term A.II.2.

The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I - General Terms and Conditions A.1.c.ii.

2. The permittee shall submit annual reports which include the following information:
  - a. A summary of all exceedances reported during the year; and
  - b. The total OC and PM emissions from emissions units P104 - P107 and P126 - P139 for the calendar year.

The annual reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

**V. Testing Requirements**

Emissions Unit ID: P138

1. Compliance with the visible particulate emission limitation for stack emissions shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.
2. Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable), and the operational parameters (throughput, production rates, and any other operational parameters which affect emissions) as submitted in the PTI application 14-3870 submitted as complete on 4/23/97.

If required, compliance with the emission limits stated in A.1. shall be demonstrated by emission tests performed in accordance with the following methods:

for particulate emissions, Method 5 of 40 CFR Part 60 Appendix A; for organic compound emissions, Method 25 of 40 CFR Part 60, Appendix A.

## **VI. Miscellaneous Requirements**

1. The terms and conditions of this permit to install shall supersede the terms and conditions of permit to install number 14-03870 issued May 2, 2002.

**Modification Issued: 9/26/2002**

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P138 - Bar Soap Packing System D	None	None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. State and Federally Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P139 - Bar Soap Packing System F - Modification	OAC rule 3745-31-05(A)(3)	PM: 0.08 lb/hr, 0.32 TPY PM <sub>10</sub> : 0.065 lb/hr, 0.26 TPY OC: 0.80 lb/hr, 3.50 TPY  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1).
	OAC rule 3745-17-07(A)(1)	See term A.2.b.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- 2.a The hourly emission limitations outlined are based upon the emissions unit's Potential to Emit (PTE). Therefore, no hourly records are required to demonstrate compliance with these limits.

- 2.b** Visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a six minute average, except as specified by rule.

Emissions Unit ID: P139

- 2.c Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a fabric filter which is at least 99.9% efficient.

## II. Operational Restrictions

1. The permittee shall operate fabric filters that control at least 99.9% of the particulate matter emissions produced in this emissions unit.
2. The pressure drop across the fabric filter for each fabric filter shall be maintained within the range of 1 to 8 inches of water while the emissions unit is in operation .

## III. Monitoring and/or Record keeping Requirements

1. The permittee shall operate and maintain equipment to monitor the pressure drop across the fabric filter for this emissions unit while it is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall collect and record the pressure drop across the fabric filter for this emissions unit on a weekly basis.

## IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all periods of time during which the pressure drop across the fabric filter did not comply with the allowable range specified in term A.II.2.

The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I - General Terms and Conditions A.1.c.ii.

2. The permittee shall submit annual reports which include the following information:
  - a. A summary of all exceedances reported during the year; and
  - b. The total OC and PM emissions from emissions units P104 - P107 and P126 - P139 for the calendar year.

The annual reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

## V. Testing Requirements

1. Compliance with the visible particulate emission limitation for stack emissions shall be demonstrated by the methods outlined in 40 CFR Part 60, Appendix A, Method 9.
2. Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable), and the operational parameters (throughput, production rates, and any other operational parameters which affect emissions) as submitted in the

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PTI application 14-3870 submitted as complete on 4/23/97.

If required, compliance with the emission limits stated in A.1. shall be demonstrated by emission tests performed in accordance with the following methods:

for particulate emissions, Method 5 of 40 CFR Part 60 Appendix A; for organic compound emissions, Method 25 of 40 CFR Part 60, Appendix A.

**VI. Miscellaneous Requirements**

1. The terms and conditions of this permit to install shall supersede the terms and conditions of permit to install number 14-03870 issued May 2, 2002.

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P139 - Bar Soap Packing System F	None	None

**2. Additional Terms and Conditions**

- 2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None