



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL
PUTNAM COUNTY**

CERTIFIED MAIL

Street Address:

122 S. Front Street

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

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049

Application No: 03-13843

DATE: 1/23/2003

Iams Company
Chuck Beckman
3700 State Route 65
Leipsic, OH 45856

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

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, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

cc: USEPA

NWDO



**Permit To Install
Terms and Conditions**

**Issue Date: 1/23/2003
Effective Date: 1/23/2003**

FINAL PERMIT TO INSTALL 03-13843

Application Number: 03-13843
APS Premise Number: 0369000037
Permit Fee: **\$9200**
Name of Facility: Iams Company
Person to Contact: Chuck Beckman
Address: 3700 State Route 65
Leipsic, OH 45856

Location of proposed air contaminant source(s) [emissions unit(s)]:

**3700 St Rt 65
Leipsic, Ohio**

Description of proposed emissions unit(s):

Material handling/process operations for the manufacturing of dog/cat food.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit 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 emissions unit(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 and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

Part I - GENERAL TERMS AND CONDITIONS

A. 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 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 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. Records Retention Requirements

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.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. 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 verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. 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 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. 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 emissions unit(s) that is (are) served by such control system(s).

6. 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.

7. 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.

8. 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.

9. 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

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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.

10. 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.

11. 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).

12. 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.

13. Source Operation and Operating Permit Requirements After Completion of Construction

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This 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 ninety (90) days after commencing operation of the emissions unit(s) covered by this permit.

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14. 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.

15. Fees

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

B. 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>
PE	18.02

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. 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>
P001 - Ingredient receiving distributor with air return spouts ((This is a Chapter 31 Modification to PTI #03-10190 issued final on March 19, 1997 to increase TPY limit, company ID for this emissions unit is E3)	OAC rule 3745-31-05(A)(3)	0.15 pounds particulate emissions (PE) per hour; 0.66 tons PE per year Control requirements (see A.2.a) Visible particulate emissions shall not exceed 0% as a six-minute average
	OAC rule 3745-17-07(A)	see A.2.b
	OAC rule 3745-17-11(B)(2)	see A.2.b

2. Additional Terms and Conditions

- 2.a Best Available Technology (BAT) for this emissions unit has been determined to be the use of a baghouse control system with a maximum outlet concentration of 0.01 gr/dscf.

BAT requirements also include compliance with the terms and conditions of this permit.

- 2.b The emission limitation specified by this rule is less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 5.0 inches of water while the emissions unit is in operation.

C. Monitoring and/or Recordkeeping Requirements

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

D. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
0.01 gr/dscf from baghouse

Applicable Compliance Method:

The emission limitation was established in accordance with the manufacturers guaranteed outlet grain loading. If required, compliance with this emission limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1-5.

- b. Emission Limitation:
0.15 pounds PE per hour & 0.66 tons PE per year

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly emission limitation by multiplying the maximum outlet concentration of 0.01 gr/dscf by a maximum volumetric air flow rate of 1,800 acfm, 60 minutes/hour, and 1 pound/7000 grains. If required, the permittee shall demonstrate compliance in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1-5.

The tons/yr was developed by multiplying the lb/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

- c. Emission Limitation:
Visible particulate emissions shall not exceed 0% as a six-minute average

Applicable Compliance Method:

If required, compliance with the visible emissions limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Method 9.

F. Miscellaneous Requirements

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. 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>
P009 - Ration hammermill grinder and separation plenum ((This is a Chapter 31 Modification to PTI #03-13280 issued final on March 19, 1997 to increase TPY limit, company ID for this emissions unit is E12)	OAC rule 3745-31-05(A)(3)	0.39 pounds PE per hour; 1.71 tons PE per year Control requirements (see A.2.a) Visible particulate emissions shall not exceed 0% as a six-minute average
	OAC rule 3745-17-07(A)	see A.2.b
	OAC rule 3745-17-11(B)(2)	see A.2.b

2. Additional Terms and Conditions

- 2.a Best Available Technology (BAT) for this emissions unit has been determined to be the use of a baghouse control system with a maximum outlet concentration of 0.01 gr/dscf.

BAT requirements also include compliance with the terms and conditions of this permit.

- 2.b The emission limitation specified by this rule is less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 5.0 inches of water while the emissions unit is in operation.

C. Monitoring and/or Recordkeeping Requirements

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

D. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
0.01 gr/dscf from baghouse

Applicable Compliance Method:

The emission limitation was established in accordance with the manufacturers guaranteed outlet grain loading. If required, compliance with this emission limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1-5.

- b. Emission Limitation:
0.39 pounds PE per hour & 1.71 tons PE per year

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly emission limitation by multiplying the maximum outlet concentration of 0.01 gr/dscf by a maximum volumetric air flow rate of 4,500 acfm, 60 minutes/hour, and 1 pound/7000 grains. If required, the permittee shall demonstrate compliance in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1-5.

The tons/yr was developed by multiplying the lb/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

- c. Emission Limitation:
Visible particulate emissions shall not exceed 0% as a six-minute average

Applicable Compliance Method:

If required, compliance with the visible emissions limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Method 9.

F. Miscellaneous Requirements

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. 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>
P018 - Hammermill grinders and separation plenum (Company ID for this emissions unit is E6A)	OAC rule 3745-31-05(A)(3)	0.54 pounds PE per hour; 2.37 tons PE per year
Previously permitted under emission unit P004 in PTI #03-10190 issued on March 19, 1997 (Modification to split P004 into two emission units, P018 and P019)	OAC rule 3745-17-07(A)	Control requirements (see A.2.a)
	OAC rule 3745-17-11(B)(2)	Visible particulate emissions shall not exceed 0% as a six-minute average
		see A.2.b
		see A.2.b

2. Additional Terms and Conditions

- 2.a Best Available Technology (BAT) for this emissions unit has been determined to be the use of a baghouse control system with a maximum outlet concentration of 0.01 gr/dscf.

BAT requirements also include compliance with the terms and conditions of this permit.

- 2.b The emission limitation specified by this rule is less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 5.0 inches of water while the emissions unit is in operation.

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Iams C

PTI A

Issued: 1/23/2003

Emissions Unit ID: **P018**

C. Monitoring and/or Recordkeeping Requirements

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

D. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
0.01 gr/dscf from baghouse

Applicable Compliance Method:

The emission limitation was established in accordance with the manufacturers guaranteed outlet grain loading. If required, compliance with this emission limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1-5.

- b. Emission Limitation:
0.54 pounds PE per hour & 2.37 tons PE per year

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly emission limitation by multiplying the maximum outlet concentration of 0.01 gr/dscf by a maximum volumetric air flow rate of 6,240 acfm, 60 minutes/hour, and 1 pound/7000 grains. If required, the permittee shall demonstrate compliance in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1-5.

The tons/yr was developed by multiplying the lb/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

- c. Emission Limitation:
Visible particulate emissions shall not exceed 0% as a six-minute average

Applicable Compliance Method:

If required, compliance with the visible emissions limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Method 9.

F. Miscellaneous Requirements

1. The modification of this emissions unit will result in a baghouse stack height of 65.5 feet above ground level which was used in air dispersion modeling to demonstrate compliance with Ohio EPA's acceptable incremental impact.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. 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>
P019 - Hammermill grinders and separation plenum (Company ID for this emissions unit is E6B)	OAC rule 3745-31-05(A)(3)	0.54 pounds PE per hour; 2.37 tons PE per year
Previously permitted under emission unit P004 in PTI #03-10190 issued on March 19, 1997 (Modification to split P004 into two emission units, P018 and P019)	OAC rule 3745-17-07(A)	Control requirements (see A.2.a)
	OAC rule 3745-17-11(B)(2)	Visible particulate emissions shall not exceed 0% as a six-minute average
		see A.2.b
		see A.2.b

2. Additional Terms and Conditions

- 2.a Best Available Technology (BAT) for this emissions unit has been determined to be the use of a baghouse control system with a maximum outlet concentration of 0.01 gr/dscf.

BAT requirements also include compliance with the terms and conditions of this permit.

- 2.b The emission limitation specified by this rule is less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 5.0 inches of water while the emissions unit is in operation.

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Iams C

PTI A

Issued: 1/23/2003

Emissions Unit ID: **P019**

C. Monitoring and/or Recordkeeping Requirements

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

D. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
0.01 gr/dscf from baghouse

Applicable Compliance Method:

The emission limitation was established in accordance with the manufacturers guaranteed outlet grain loading. If required, compliance with this emission limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1-5.

- b. Emission Limitation:
0.54 pounds PE per hour & 2.37 tons PE per year

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly emission limitation by multiplying the maximum outlet concentration of 0.01 gr/dscf by a maximum volumetric air flow rate of 6,240 acfm, 60 minutes/hour, and 1 pound/7000 grains. If required, the permittee shall demonstrate compliance in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1-5.

Iams Company**PTI Application: 02 12042****Issued****Facility ID: 0369000037**Emissions Unit ID: **P019**

The tons/yr was developed by multiplying the lb/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:

Visible particulate emissions shall not exceed 0% as a six-minute average

Applicable Compliance Method:

If required, compliance with the visible emissions limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Method 9.

F. Miscellaneous Requirements

1. The modification of this emissions unit will result in a baghouse stack height of 65.5 feet above ground level which was used in air dispersion modeling to demonstrate compliance with Ohio EPA's acceptable incremental impact.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. 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>
P020 - Filter receivers above ground grain distributor (Company ID for this emissions unit is E8A)	OAC rule 3745-31-05(A)(3)	0.11 pounds PE per hour; 0.48 tons PE per year
Previously permitted under emission unit P006 in PTI #03-10190 issued on March 19, 1997 (Modification to split P006 into two emission units, P020 and P021)	OAC rule 3745-17-07(A)	Control requirements (see A.2.a)
	OAC rule 3745-17-11(B)(2)	Visible particulate emissions shall not exceed 0% as a six-minute average
		see A.2.b
		see A.2.b

2. Additional Terms and Conditions

- 2.a Best Available Technology (BAT) for this emissions unit has been determined to be the use of a baghouse control system with a maximum outlet concentration of 0.01 gr/dscf.

BAT requirements also include compliance with the terms and conditions of this permit.

- 2.b The emission limitation specified by this rule is less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 5.0 inches of water while the emissions unit is in operation.

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Iams C

PTI A

Issued: 1/23/2003

Emissions Unit ID: **P020**

C. Monitoring and/or Recordkeeping Requirements

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

D. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
0.01 gr/dscf from baghouse

Applicable Compliance Method:

The emission limitation was established in accordance with the manufacturers guaranteed outlet grain loading. If required, compliance with this emission limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1-5.

- b. Emission Limitation:
0.11 pounds PE per hour & 0.48 tons PE per year

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly emission limitation by multiplying the maximum outlet concentration of 0.01 gr/dscf by a maximum volumetric air flow rate of 1,250 acfm, 60 minutes/hour, and 1 pound/7000 grains. If required, the permittee shall demonstrate compliance in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1-5.

Iams Company**PTI Application: 02 12042****Issued****Facility ID: 0369000037**Emissions Unit ID: **P020**

The tons/yr was developed by multiplying the lb/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

- c. Emission Limitation:
Visible particulate emissions shall not exceed 0% as a six-minute average

Applicable Compliance Method:

If required, compliance with the visible emissions limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Method 9.

F. Miscellaneous Requirements

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. 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>
P021 - Filter receivers above ground grain distributor (Company ID for this emissions unit is E8B)	OAC rule 3745-31-05(A)(3)	0.11 pounds PE per hour; 0.48 tons PE per year
Previously permitted under emission unit P006 in PTI #03-10190 issued on March 19, 1997 (Modification to split P006 into two emission units, P020 and P021)	OAC rule 3745-17-07(A)	Control requirements (see A.2.a)
	OAC rule 3745-17-11(B)(2)	Visible particulate emissions shall not exceed 0% as a six-minute average
		see A.2.b
		see A.2.b

2. Additional Terms and Conditions

- 2.a Best Available Technology (BAT) for this emissions unit has been determined to be the use of a baghouse control system with a maximum outlet concentration of 0.01 gr/dscf.

BAT requirements also include compliance with the terms and conditions of this permit.

- 2.b The emission limitation specified by this rule is less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 5.0 inches of water while the emissions unit is in operation.

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Iams C

PTI A

Issued: 1/23/2003

Emissions Unit ID: **P021**

C. Monitoring and/or Recordkeeping Requirements

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

D. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
0.01 gr/dscf from baghouse

Applicable Compliance Method:

The emission limitation was established in accordance with the manufacturers guaranteed outlet grain loading. If required, compliance with this emission limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1-5.

- b. Emission Limitation:
0.11 pounds PE per hour & 0.48 tons PE per year

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly emission limitation by multiplying the maximum outlet concentration of 0.01 gr/dscf by a maximum volumetric air flow rate of 1,250 acfm, 60 minutes/hour, and 1 pound/7000 grains. If required, the permittee shall demonstrate compliance in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1-5.

Iams Company**PTI Application: 02 12042****Issued****Facility ID: 0369000037**Emissions Unit ID: **P021**

The tons/yr was developed by multiplying the lb/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:

Visible particulate emissions shall not exceed 0% as a six-minute average

Applicable Compliance Method:

If required, compliance with the visible emissions limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Method 9.

F. Miscellaneous Requirements

None

Iams C
PTI A
Issued: 1/23/2003

Emissions Unit ID: P022

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

- 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>
P022 - Filter receiver above ground rice distributor (Company ID for this emissions unit is E9A)	OAC rule 3745-31-05(A)(3)	0.62 pounds PE per hour; 2.72 tons PE per year
Previously permitted under emission unit P007 in PTI #03-10190 issued on March 19, 1997 (Modification to split P007 into two emission units, P022 and P023)	OAC rule 3745-17-07(A)	Control requirements (see A.2.a)
	OAC rule 3745-17-11(B)(2)	Visible particulate emissions shall not exceed 0% as a six-minute average
		see A.2.b
		see A.2.b

2. Additional Terms and Conditions

- Best Available Technology (BAT) for this emissions unit has been determined to be the use of a baghouse control system with a maximum outlet concentration of 0.01 gr/dscf.

BAT requirements also include compliance with the terms and conditions of this permit.

- The emission limitation specified by this rule is less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

- The pressure drop across the baghouse shall be maintained within the range of 0.5 to 4.5 inches of water while the emissions unit is in operation.

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Iams C

PTI A

Issued: 1/23/2003

Emissions Unit ID: **P022**

C. Monitoring and/or Recordkeeping Requirements

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

D. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
0.01 gr/dscf from baghouse

Applicable Compliance Method:

The emission limitation was established in accordance with the manufacturers guaranteed outlet grain loading. If required, compliance with this emission limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1-5.

- b. Emission Limitation:
0.62 pounds PE per hour & 2.72 tons PE per year

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly emission limitation by multiplying the maximum outlet concentration of 0.01 gr/dscf by a maximum volumetric air flow rate of 7,250 acfm, 60 minutes/hour, and 1 pound/7000 grains. If required, the permittee shall demonstrate compliance in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1-5.

Iams Company**PTI Application: 02 12042****Issued****Facility ID: 0369000037**Emissions Unit ID: **P022**

The tons/yr was developed by multiplying the lb/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

- c. Emission Limitation:
Visible particulate emissions shall not exceed 0% as a six-minute average

Applicable Compliance Method:

If required, compliance with the visible emissions limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Method 9.

F. Miscellaneous Requirements

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. 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>
P023 - Filter receiver above ground rice distributor (Company ID for this emissions unit is E9B)	OAC rule 3745-31-05(A)(3)	0.62 pounds PE per hour; 2.72 tons PE per year
Previously permitted under emission unit P007 in PTI #03-10190 issued on March 19, 1997 (Modification to split P007 into two emission units, P022 and P023)	OAC rule 3745-17-07(A)	Control requirements (see A.2.a)
	OAC rule 3745-17-11(B)(2)	Visible particulate emissions shall not exceed 0% as a six-minute average
		see A.2.b
		see A.2.b

2. Additional Terms and Conditions

- 2.a Best Available Technology (BAT) for this emissions unit has been determined to be the use of a baghouse control system with a maximum outlet concentration of 0.01 gr/dscf.

BAT requirements also include compliance with the terms and conditions of this permit.

- 2.b The emission limitation specified by this rule is less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 4.5 inches of water while the emissions unit is in operation.

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Iams C

PTI A

Issued: 1/23/2003

Emissions Unit ID: **P023**

C. Monitoring and/or Recordkeeping Requirements

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

D. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
0.01 gr/dscf from baghouse

Applicable Compliance Method:

The emission limitation was established in accordance with the manufacturers guaranteed outlet grain loading. If required, compliance with this emission limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1-5.

- b. Emission Limitation:
0.62 pounds PE per hour & 2.72 tons PE per year

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly emission limitation by multiplying the maximum outlet concentration of 0.01 gr/dscf by a maximum volumetric air flow rate of 7,250 acfm, 60 minutes/hour, and 1 pound/7000 grains. If required, the permittee shall demonstrate compliance in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1-5.

Iams Company**PTI Application: 02 12042****Issued****Facility ID: 0369000037**Emissions Unit ID: **P023**

The tons/yr was developed by multiplying the lb/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

- c. Emission Limitation:
Visible particulate emissions shall not exceed 0% as a six-minute average

Applicable Compliance Method:

If required, compliance with the visible emissions limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Method 9.

F. Miscellaneous Requirements

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. 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>
P024 - Hammermill grinder and separation Plenum (Company ID for this emissions unit is E10)	OAC rule 3745-31-05(A)(3)	0.08 pounds PE per hour; 0.35 tons PE per year
Previously permitted under emission unit P008 in PTI #03-10190 issued on March 19, 1997 (Modification to split P008 into two emission units, P024 and P025)	OAC rule 3745-17-07(A)	Control requirements (see A.2.a)
	OAC rule 3745-17-11(B)	Visible particulate emissions shall not exceed 0% as a six-minute average
		see A.2.b
		see A.2.b

2. Additional Terms and Conditions

- 2.a Best Available Technology (BAT) for this emissions unit has been determined to be the use of a baghouse control system with a maximum outlet concentration of 0.002 gr/dscf.

BAT requirements also include compliance with the terms and conditions of this permit.

- 2.b The emission limitation specified by this rule is less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 5.2 inches of water while the emissions unit is in operation.

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Iams C

PTI A

Issued: 1/23/2003

Emissions Unit ID: **P024**

C. Monitoring and/or Recordkeeping Requirements

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

D. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing on this emissions unit, P024.

The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated, but no later than 180 days after initial startup of such facility and at such other times as may be required by the Ohio Environmental Protection Agency, Division of Air Pollution Control. The emission testing shall be conducted to demonstrate compliance with the allowable emission rate for particulate emissions.

The following test methods shall be employed to demonstrate compliance with the allowable emission rate:

- a. Methods 1-5 of 40 CFR Part 60, Appendix A shall be used to determine concentration and pound per hour of particulate emissions.

The tests shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Division of Air Pollution Control. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Division of Air Pollution Control. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operation parameters, the times and dates of the tests, and the person(s) who will be conducting the tests. Failure to submit such notification for

Emissions Unit ID: P024

review and approval prior to the tests may result in the Ohio EPA Northwest District Office's air agency's refusal to accept the results of the emission tests.

Personnel from the Ohio EPA Northwest District Office's air agency shall be permitted to witness the test, examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions unit and/or the performance of the control equipment. A comprehensive written report on the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Division of Air Pollution Control within 30 days following completion of the tests.

2. Compliance with the emission limitations in Section A.1. of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
0.002 gr/dscf from baghouse

Applicable Compliance Method:

The emission limitation was established in accordance with the manufacturers guaranteed outlet grain loading. The permittee shall demonstrate compliance in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1-5.

- b. Emission Limitation:
0.08 pounds PE per hour & 0.35 tons PE per year

Applicable Compliance Method:

The permittee shall demonstrate compliance in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1-5.

The tons/yr was developed by multiplying the lb/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

- c. Emission Limitation:
Visible particulate emissions shall not exceed 0% as a six-minute average.

Applicable Compliance Method:

If required, compliance with the visible emissions limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Method 9.

F. Miscellaneous Requirements

1. The modification of this emissions unit will result in a baghouse stack height of 44 feet, 11 inches above ground level which was used in air dispersion modeling to demonstrate compliance with Ohio EPA's acceptable incremental impact.

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. 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>
P025 - Filter receiver above fines distributor (Company ID for this emissions unit is E11)	OAC rule 3745-31-05(A)(3)	0.11 pounds PE per hour; 0.48 tons PE per year
Previously permitted under emission unit P008 in PTI #03-10190 issued on March 19, 1997 (Modification to split P008 into two emission units, P024 and P025)	OAC rule 3745-17-07(A)	Control requirements (see A.2.a)
	OAC rule 3745-17-11(B)	Visible particulate emissions shall not exceed 0% as a six-minute average
		see A.2.b
		see A.2.b

2. Additional Terms and Conditions

- 2.a Best Available Technology (BAT) for this emissions unit has been determined to be the use of a baghouse control system with a maximum outlet concentration of 0.01 gr/dscf.

BAT requirements also include compliance with the terms and conditions of this permit.

- 2.b The emission limitation specified by this rule is less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 4.5 inches of water while the emissions unit is in operation.

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Iams Company

PTI Application: 02 12042

Issued

Facility ID: 0369000037

Emissions Unit ID: P025

C. Monitoring and/or Recordkeeping Requirements

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

D. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in Section A.1. of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
0.01 gr/dscf from baghouse

Applicable Compliance Method:

The emission limitation was established in accordance with the manufacturers guaranteed outlet grain loading. If required, compliance with this emission limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1-5.

- b. Emission Limitation:
0.11 pounds PE per hour & 0.48 tons PE per year

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly emission limitation by multiplying the maximum outlet concentration of 0.01 gr/dscf by a maximum volumetric air flow rate of 1,276 acfm, 60 minutes/hour, and 1 pound/7000 grains. If required, the permittee shall demonstrate compliance in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1-5.

The tons/yr was developed by multiplying the lb/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

- c. Emission Limitation:
Visible particulate emissions shall not exceed 0% as a six-minute average.

Applicable Compliance Method:

If required, compliance with the visible emissions limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Method 9.

F. Miscellaneous Requirements

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. Applicable Emissions Limitations and/or Control Requirements

- 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>
P902 - Receiving whole grains, meatmeals, and ingredients by hopper bottom trucks (This is a Part 31 Modification to PTI #03-13280 issued final on December 15, 1999 to increase maximum annual throughput, Company ID for this emissions unit is E2)	OAC rule 3745-31-05(A)(3)	<u>Baghouse stack emissions:</u> 0.84 pounds PE per hour; 3.68 tons PE per year Visible particulate emissions shall not exceed 0% opacity, as a six-minute average from the baghouse stack <u>Fugitive emissions:</u> 0.26 tons PE/yr Visible fugitive PE shall not exceed 5% opacity, as a six-minute average Control requirements (see A.2.a)
	OAC rule 3745-17-07(A)	see A.2.b
	OAC rule 3745-17-11(B)(2)	see A.2.b
	OAC rule 3745-17-07(B)	see A.2.c
	OAC rule 3745-17-08(B)	see A.2.d

2. Additional Terms and Conditions

Emissions Unit ID: P902

- 2.a** The "Best Available Technology" (BAT) control requirements for emissions unit P902 have been determined to be the following:
- i. use of a drive-through tunnel (building) with closed overhead door for truck/railcar unloading; and
 - ii. use of an aspiration system vented to a baghouse serving the transferring and conveying of meatmeals and ingredients.
- BAT requirements also include compliance with the terms and conditions of this permit.
- 2.b** The emission limitation specified by this rule is less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).
- 2.c** This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).
- 2.d** The Iams Company is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements.

B. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 5.0 inches of water while the emissions unit is in operation.
2. The permittee shall keep the overhead door of the drive-through tunnel (building) closed at all times while unloading meatmeal/ingredients.
3. The permittee shall not operate the aspiration system for the meatmeal /ingredient storage bins while receiving new shipments of meatmeal/ingredient.
4. The maximum annual throughput for emissions unit P902 shall not exceed 295,000 tons of meatmeal/ingredient.

C. Monitoring and/or Recordkeeping Requirements

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

drop across the baghouse on a daily basis.

2. The permittee shall maintain annual records of the meatmeal/ingredient throughputs for this emissions unit.
3. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the drive-through tunnel for truck/railcar unloading. The presence or absence of any visible fugitive emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the location and color of the emissions;
 - b. whether the emissions are representative of normal operations;
 - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - d. the total duration of any visible emission incident; and
 - e. any corrective actions taken to minimize or eliminate the visible emissions.

D. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

2. The permittee shall submit annual reports which identify any exceedances of the annual meatmeal/ingredient throughput limitation, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.
3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive particulate emissions were observed from the drive-through tunnel for truck/railcar unloading and (b) describe any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions. These reports shall be submitted to the Director (Ohio EPA's Northwest District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

E. Testing Requirements

Iams Company**PTI Application: 02 12042****Issued****Facility ID: 0369000037**Emissions Unit ID: **P902**

1. Compliance with the emission limitations in Section A.1. of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
0.01 gr/dscf from baghouse

Applicable Compliance Method:

The emission limitation was established in accordance with the manufacturers guaranteed outlet grain loading. If required, compliance with this emission limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1-5.

- b. Emission Limitation:
0.84 pounds PE per hour & 3.68 tons PE per year

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly emission limitation by multiplying the maximum outlet concentration of 0.01 gr/dscf by a maximum volumetric air flow rate of 9,800 acfm, 60 minutes/hour, and 1 pound/7000 grains. If required, the permittee shall demonstrate compliance in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1-5.

The tons/yr was developed by multiplying the lb/hr limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

- c. Emission Limitation:
0.26 tons PE per year (fugitive)

Applicable Compliance Method:

The permittee shall demonstrate compliance with the annual emission limit by multiplying an AP-42 emission factor (Section 9.9.1, Table 9.9.1-1) of 0.035 lbs of particulate/ton of grain handled with the maximum annual throughput of 295,000 tons of grain handled, 1 ton/2000 lbs, and a 95% control efficiency for using a drive-through tunnel (building) that is a three-sided enclosure.

- d. Emission Limitation:
Visible particulate emissions shall not exceed 0% as a six-minute average from the baghouse

Applicable Compliance Method:

If required, compliance with the visible emissions limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Method 9.

- e. Emission Limitation:
Visible fugitive PE shall not exceed 5% as a six-minute average

Applicable Compliance Method:

If required, compliance with the visible emissions limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Method 9.

F. Miscellaneous Requirements

1. The modification of this emissions unit, along with emissions unit P901, will result in a baghouse stack height of 44 feet, 11 inches above ground level which was used in air dispersion modeling to demonstrate compliance with Ohio EPA's acceptable incremental impact.