

October 24, 2001

Richard Dickinson
A. E. Staley Manufacturing Company
2200 East Eldorado Street
Decatur, IL 62521-1578

Re: 157-15029-00003
Amendment to CP 157-9182-00003

Dear Mr. Dickinson:

A. E. Staley Manufacturing Company was issued a construction permit on April 2, 1998 for modifications to the Flash Dryer #3 system at a corn wet milling plant located at 2245 Sagamore Parkway North, Lafayette, IN 47904-1620. An application requesting a construction permit amendment was received on October 3, 2001. The request was made to do the following:

- (a) Add two new starch product storage and blending bins.
- (b) Increase the air flow rate on three existing starch product storage bins.
- (c) Add the ability to transfer or blend starch from the bins simultaneously.
- (d) Change the identification numbers of the bins, stacks and vents.

Based on the data submitted, it has been determined that the changes in emissions are classifiable as exempt from air pollution permit requirements under the provisions in 326 IAC 2-1.1-3. Page 2 of Construction Permit 157-9182-00003 is hereby amended as follows:

- c. three (3) starch products storage / transfer bins identified as ~~07V20, 07V21 and 07V22~~ **7V33, 7V34 and 7V35**, each bin connected with ~~its~~ **its** own fan identified as ~~7C24, 7C25 and 7C26~~ **7C33, 7C34 and 7C35**, exhausting to ~~their individual stack~~ **stacks** identified as ~~76, 77 and 78~~ **267, 268 and 269**.
- d. **two (2) starch products storage or blending bins identified as 7V91 and 7V92 each bin connected with its own fan identified as 7C91 and 7C92, exhausting to stacks identified as 345 and 346.**

Also, Operation Conditions 11 and 12 have been amended to read as follows:

11. That particulate matter emissions shall be limited pursuant to 326 IAC 6-3 and 2-2:

Facility Description	Stack ID	Emissions after controls	
		lb./hr	tons/year
Flash Dryer Scrubber Exhaust	S/V 265	7.54	33.0
Flash 3 Mill	S/V 266	0.15	0.66
Starch Product Bins # 20, 21, 22 7V33, 7V34, 7V35, 7V91, 7V92	S/V 76, 77, 78 267, 268, 269, 345, 346	0.14 0.2 each	0.64 0.89 each

Baghouse Operating Condition

12. That the baghouses identified as mill feed receiver (ID. 40F88), ~~7F20, 7F21 and 7F22~~ **7V33, 7V34, 7V35, 7V91 and 7V92** shall be operated at all times when ~~the flash 3 mill and starch product bins identified as 20, 21 and 22~~ **are a process that it controls is** in operation.

- (a) That visible emission notations of all exhaust to the atmosphere from the baghouses identified as mill feed receiver (ID. 40F88) shall be performed once daily. Visible emission notations of all exhaust to the atmosphere from the baghouses identified as ~~7F20, 7F21, and 7F22~~ **7V33, 7V34, 7V35, 7V91 and 7V92** shall be performed once daily during the filling of the starch storage bins. A trained employee will record whether emissions are normal or abnormal.
 - (i) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail.
 - (ii) In the case of batch or discontinuous operation, readings shall be taken during that part of the operation specified in the facility's specific condition prescribing visible emissions.
 - (iii) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal and abnormal visible emissions for that specific process.
 - (iv) When an abnormal emission is observed, the Permittee shall complete the Pollution Control Equipment Maintenance & Inspection Log sheet, a copy of which is contained as Attachment 1 to this permit.
- (b) An inspection shall be performed semi-annually of the all baghouses identified as mill feed receiver (Id. 40F88), ~~7F20, 7F21 and 7F22~~ **7V33, 7V34, 7V35, 7V91 and 7V92**. Defective bags shall be replaced. A record shall be kept of the results of the inspection and the number of bags replaced.
- (c) In the event that a bag's failure has been observed:
 - (i) The affected compartments will be shut down immediately until the failed units have been replaced.
 - (ii) If appropriate, an investigation regarding the cause of bag failure will be conducted and an appropriate response will be initiated within 24 hours of discovery.

Furthermore, all instances of "Office of Air Management" in the permit conditions have been amended to read "Office of Air Quality." All other conditions of the permit shall remain unchanged and in effect.

This amendment will be incorporated into the pending Part 70 permit application, 157-6009-00003. Please attach a copy of this amendment and the following revised permit pages to the front of the original construction permit.

Sincerely,

Original signed by Paul Dubenetzky

Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments
ARD

cc: File - Tippecanoe County
U.S. EPA, Region V
Tippecanoe County Health Department
Air Compliance Section Inspector - Jim Thorpe
Compliance Data Section - Karen Nowak
Administrative and Development - Janet Mobley
Technical Support and Modeling - Michele Boner

**CONSTRUCTION PERMIT
OFFICE OF AIR QUALITY**

**A. E. Staley Manufacturing Company
2245 North Sagamore Parkway
Lafayette, IN 47901**

is hereby authorized to modify (increase in the process throughput and air flow rate) the Starch Flash Dryer # 3 system, listed on the Page 2 of this permit.

PERMIT SUPERSEDES THE PERMIT (CP # 157-4160-00003) CONDITIONS RELATED TO FLASH DRYER NO. 3 SYSTEM ISSUED ON APRIL 5, 1995.

This permit is issued to the above mentioned company (herein known as the Permittee) under the provisions of 326 IAC 2-1 and 40 CFR 52.780, with conditions listed on the attached pages.

Construction Permit No.: CP-157-9182-00003	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: April 2, 1998
First Amendment: 157-10447-00003	Issuance Date: October 26, 1999
Second Amendment 157-15029-00003	Pages Amended: 2, 6, 7
Original signed by Paul Dubenetzky Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: October 24, 2001

- a. a natural gas-fired dryer # 3 identified as 43D7 connected with a six (6) product cyclone collectors identified as 43F81 thru 43F86 exhausting to one (1) wet scrubber identified as 43F80 connected to one (1) stack identified as S/V 265;
- b. a starch flash 3 mill identified as 40G88 carrying dry starch connected with a baghouse / receiver identified as 40F88 and a one (1) blower identified as 40C88, exhausting to one (1) stack identified as S/V 266;
- c. three (3) starch products storage / transfer bins identified as 7V33, 7V34 and 7V35, each bin connected with its own fan identified as 7C33, 7C34 and 7C35, exhausting to stacks identified as 267, 268 and 269.
- d. two (2) starch products storage or blending bins identified as 7V91 and 7V92 each bin connected with its own fan identified as 7C91 and 7C92, exhausting to stacks identified as 345 and 346.

Maximum capacities of these facilities are considered confidential information as requested by A. E. Staley Manufacturing Company.

Construction Conditions

General Construction Conditions

1. That the data and information supplied with the application shall be considered part of this permit. Prior to any proposed change in construction which may increase the allowable emissions, the change must be approved by the Office of Air Quality (OAQ).
2. That this permit to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.

Effective Date of the Permit

3. That pursuant to IC 13-15-5-3, this permit becomes effective upon its issuance.
4. That pursuant to 326 IAC 2-1-9(b)(Revocation of Permits), the Commissioner may revoke this permit if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
5. That notwithstanding Construction Condition No. 6, all requirements and conditions of this construction permit shall remain in effect unless modified in a manner consistent with procedures established for modifications of construction permits pursuant to 326 IAC 2 (Permit Review Rules).

First Time Operation Permit

6. That this document shall also become a first-time operation permit pursuant to 326 IAC 2-1-4 (Operating Permits) when, prior to start of operation, the following requirements are met:
 - (a) The attached affidavit of construction shall be submitted to the Office of Air Quality (OAQ), Permit Administration & Development Section, verifying that the facilities were constructed as proposed in the application. The facilities covered in the Construction Permit may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM.
 - (b) If construction is completed in phases; i.e., the entire construction is not done continuously, a separate affidavit must be submitted for each phase of construction. Any permit conditions associated with operation start up dates such as stack testing for New Source Performance Standards (NSPS) shall be applicable to each individual phase.
 - (c) Permittee shall receive an Operation Permit Validation Letter from the Chief of the Permit Administration & Development Section and attach it to this document.
 - (d) The operation permit will be subject to annual operating permit fees pursuant to 326 IAC 2-7-19 (Fees).
 - (e) The Permittee has submitted their Part 70 permit (T157-6009-00003) on May 31, 1996 for the existing source. The equipment being reviewed under this permit shall be incorporated in the submitted Part 70 application.
7. That when the facility is constructed and placed into operation the following operation conditions shall be met:

Operation Conditions

General Operation Conditions

1. That the data and information supplied in the application shall be considered part of this permit. Prior to any change in the operation which may result in an increase in allowable emissions exceeding those specified in 326 IAC 2-1-1 (Construction and Operating Permit Requirements), the change must be approved by the Office of Air Quality (OAQ).
2. That the permittee shall comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder.

Preventive Maintenance Plan

3. That pursuant to 326 IAC 1-6-3 (Preventive Maintenance Plans), the Permittee shall prepare and maintain a preventive maintenance plan, including the following information:
 - (a) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices.
 - (b) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions.
 - (c) Identification of the replacement parts which will be maintained in inventory for quick replacement.

The preventive maintenance plan shall be submitted to IDEM, OAQ upon request and shall be subject to review and approval.

Transfer of Permit

4. That pursuant to 326 IAC 2-1-6 (Transfer of Permits):
 - (a) In the event that ownership of the dry starch flash dryer No. 3 system is changed, the Permittee shall notify OAQ, Permit Branch, within thirty (30) days of the change. Notification shall include the date or proposed date of said change.
 - (b) The written notification shall be sufficient to transfer the permit from the current owner to the new owner.
 - (c) The OAQ shall reserve the right to issue a new permit.

Permit Revocation

5. That pursuant to 326 IAC 2-1-9(a)(Revocation of Permits), this permit to construct and operate may be revoked for any of the following causes:
 - (a) Violation of any conditions of this permit.
 - (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.
 - (c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.

- (d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.
- (e) For any cause which establishes in the judgment of IDEM, the fact that continuance of this permit is not consistent with purposes of 326 IAC 2-1 (Permit Review Rules).

Availability of Permit

6. That pursuant to 326 IAC 2-1-3(l), the Permittee shall maintain the applicable permit on the premises of this source and shall make this permit available for inspection by the IDEM, or other public official having jurisdiction.

Performance Testing

7. That pursuant to 326 IAC 2-1-3 (Construction and Operating Permit Requirements) compliance stack tests shall be performed for the starch flash dryer # 3 stack (S/V 265) for particulate matter emissions as stated in operation condition no.11 within 60 days after achieving maximum production rate of the dryer, but no later than 180 days after initial start-up. These tests shall be performed according to 326 IAC 3-6 (Source Sampling Procedures) using the methods specified in the rule or as approved by the Commissioner.

- (a) A test protocol shall be submitted to the OAQ, Compliance Data Section, 35 days in advance of the test.
- (b) The Compliance Data Section shall be notified of the actual test date at least two (2) weeks prior to the date.
- (c) All test reports must be received by the Compliance Data Section within 45 days of completion of the testing.
- (d) Whenever the results of the stack test performed exceed the level specified in this permit, appropriate corrective actions shall be implemented in a timely manner upon receipt of the test results. The Permittee shall minimize emissions while the corrective actions are being implemented.

Malfunction Condition

8. That pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

- (a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.
- (b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the

beginning of said occurrence.

- (c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).
- (d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

Annual Emission Reporting

9. That pursuant to 326 IAC 2-6 (Emission Reporting), the Permittee must annually submit an emission statement for the source. This statement must be received by July 1 of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The annual statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

The annual emission statement covers the twelve (12) consecutive month time period starting January 1 and ending December 31.

Opacity Limitations

10. That pursuant to 326 IAC 5-1-2 (Visible Emission Limitations) except as provided in 326 IAC 5-1-3 (Temporary Exemptions), the visible emissions shall meet the following:
- (a) visible emissions shall not exceed an average of 40% opacity in 24 consecutive readings.
 - (b) visible emissions shall not exceed 60% opacity for more than a cumulative total of 15 minutes (60 readings) in a 6-hour period.

11. That particulate matter emissions shall be limited pursuant to 326 IAC 6-3 and 2-2:

Facility Description	Stack ID	Emissions after controls	
		lb./hr	tons/year
Flash Dryer Scrubber Exhaust	S/V 265	7.54	33.0
Flash 3 Mill	S/V 266	0.15	0.66
Starch Product Bins # 7V33, 7V34, 7V35, 7V91, 7V92	S/V 267, 268, 269, 345, 346	0.2 each	0.89 each

Baghouse Operating Condition

12. That the baghouses identified as mill feed receiver (ID. 40F88), 7V33, 7V34, 7V35, 7V91 and 7V92 shall be operated at all times when a process that it controls is in operation.
- (a) That visible emission notations of all exhaust to the atmosphere from the baghouses identified as mill feed receiver (ID. 40F88) shall be performed once daily. Visible emission notations of all exhaust to the atmosphere from the baghouses identified as 7V33, 7V34, 7V35, 7V91 and 7V92 shall be performed once daily during the filling of the starch storage bins. A trained employee will record whether emissions are normal or abnormal.
 - (i) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail.
 - (ii) In the case of batch or discontinuous operation, readings shall be taken during that part of the operation specified in the facility's specific condition prescribing visible emissions.
 - (iii) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal and abnormal visible emissions for that specific process.
 - (iv) When an abnormal emission is observed, the Permittee shall complete the Pollution Control Equipment Maintenance & Inspection Log sheet, a copy of which is contained as Attachment 1 to this permit.
 - (b) An inspection shall be performed semi-annually of the all baghouses identified as mill feed receiver (Id. 40F88), 7V33, 7V34, 7V35, 7V91 and 7V92. Defective bags shall be replaced. A record shall be kept of the results of the inspection and the number of bags replaced.
 - (c) In the event that a bag's failure has been observed:
 - (i) The affected compartments will be shut down immediately until the failed units have been replaced.
 - (ii) If appropriate, an investigation regarding the cause of bag failure will be conducted and an appropriate response will be initiated within 24 hours of discovery.

Centrifugal Scrubber Operating Condition

13. That the centrifugal scrubber shall be operated at all times when the flash dryer No. 3 is in operation.
- (a) The Permittee shall continuously monitor & record the flow rate of the centrifugal scrubber. Unless operated under conditions for which the Preventive Maintenance Plan specifies otherwise, the flow rate of the centrifugal scrubber shall be maintained at a minimum of 300 gallons of liquid per minute.
 - (b) The instrument used for determining the flow rate shall be calibrated in accordance with the manufacturer's specifications or shall be subject to approval by IDEM.

- (c) An inspection shall be performed Semi-annually of the centrifugal scrubber. Defective scrubber part(s) shall be replaced. A record shall be kept of the results of the inspection and the number of scrubber part(s) replaced.
- (d) In the event that a centrifugal scrubber's failure has been observed:

the affected process will be shut down immediately until the failed unit has been replaced. A record shall be made of steps taken to address the failed unit.

Visible Emission Notations

14. That visible emission notations of all exhaust to the atmosphere from the centrifugal scrubber shall be performed two times per week. A trained employee will record whether emissions are normal or abnormal.
- (a) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail.
 - (b) In the case of batch or discontinuous operation, readings shall be taken during that part of the operation specified in the facility's specific condition prescribing visible emissions.
 - (c) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal and abnormal visible emissions for that specific process.
 - (d) When an abnormal emission is observed, the Permittee shall complete the Pollution Control Equipment Maintenance & Inspection Log sheet, a copy of which is contained as Attachment 1 to this permit.

Reporting Requirements

15. The records required by operational permit conditions no/s. 7,12,13,14 shall be kept & maintained for at least the past 36 month period & made available upon request to the Office of Air Quality (OAQ).

Open Burning

16. The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

Emergency Reduction Plans

17. Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

- (a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

within 180 calendar days from the issuance date of this permit.

- (c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP. If after this time, the Permittee does not submit an approvable ERP, IDEM, OAQ, shall supply such a plan.
- (d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.
- (e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.
- (f) Upon direct notification by IDEM, OAQ, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate level. [326 IAC 1-5-3]

MALFUNCTION REPORT

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
FAX NUMBER - 317 233-5967**

**This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6
and to qualify for the exemption under 326 IAC 1-6-4.**

THIS FACILITY MEETS THE APPLICABILITY REQUIREMENTS BECAUSE: IT HAS POTENTIAL TO EMIT 25 LBS/HR PARTICULATES ? **XX**, 100 LBS/HR VOC ? _____, 100 LBS/HR SULFUR DIOXIDE ? _____ OR 2000 LBS/HR OF ANY OTHER POLLUTANT ? _____ EMISSIONS FROM MALFUNCTIONING CONTROL EQUIPMENT OR PROCESS EQUIPMENT CAUSED EMISSIONS IN EXCESS OF APPLICABLE LIMITATION _____.

THIS MALFUNCTION RESULTED IN A VIOLATION OF: 326 IAC _____ OR, PERMIT CONDITION # _____ AND/OR PERMIT LIMIT OF _____

THIS INCIDENT MEETS THE DEFINITION OF 'MALFUNCTION' AS LISTED ON REVERSE SIDE ? Y N

THIS MALFUNCTION IS OR WILL BE LONGER THAN THE ONE (1) HOUR REPORTING REQUIREMENT ? Y N

COMPANY: A. E. Staley Manufacturing Company PHONE NO. (217) 423 - 4411
LOCATION: (CITY AND COUNTY): 2245 North Sagamore Parkway, Lafayette, Indiana 47901
PERMIT NO.157-9182 AFS PLANT ID: 157-00003 AFS POINT ID: _____ INSP: Marc Goldman
CONTROL/PROCESS DEVICE WHICH MALFUNCTIONED AND REASON: _____

DATE/TIME MALFUNCTION STARTED: ____/____/19____ AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: _____

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE ____/____/19____ AM/PM

TYPE OF POLLUTANTS EMITTED: TSP, PM-10, SO2, VOC, OTHER: _____

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: _____

MEASURES TAKEN TO MINIMIZE EMISSIONS: _____

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL* SERVICES: _____

CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS: _____

CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT: _____

INTERIM CONTROL MEASURES: (IF APPLICABLE) _____

MALFUNCTION REPORTED BY: _____ TITLE: _____

(SIGNATURE IF FAXED)

MALFUNCTION RECORDED BY: _____ DATE: _____ TIME: _____

Please note - This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.

326 IAC 1-6-1 Applicability of rule

Sec. 1. The requirements of this rule (326 IAC 1-6) shall apply to the owner or operator of any facility which has the potential to emit twenty-five (25) pounds per hour of particulates, one hundred (100) pounds per hour of volatile organic compounds or SO₂, or two thousand (2,000) pounds per hour of any other pollutant; or to the owner or operator of any facility with emission control equipment which suffers a malfunction that causes emissions in excess of the applicable limitation.

326 IAC 1-2-39 “Malfunction” definition

Sec. 39. Any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. (Air Pollution Control Board; 326 IAC 1-2-39; filed Mar 10, 1988, 1:20 p.m. : 11 IR 2373)

***Essential services** are interpreted to mean those operations, such as, the providing of electricity by power plants. Continued operation solely for the economic benefit of the owner or operator shall not be sufficient reason why a facility cannot be shutdown during a control equipment shutdown.

If this item is checked on the front, please explain rationale:

Appendix A: Emissions Calculations

Company Name: A. E. Staley Manufacturing Company
Address City IN Zip: 2245 N. Sagamore Pkwy, Lafayette, IN 47904
ID: 157-15029-00003
Reviewer: Allen R. Davidson
Date: 10/25/01

The original permit had 3 bins, only one could be loaded at a time with an air flow of 2100 acfm.
The amendment calls for 5 bins, all can be loaded at a time, each with a maximum air flow of 2900 acfm.

$\frac{800 \text{ cf} *}{\text{min}} \cdot \frac{0.008 \text{ gr} *}{\text{cf}} \cdot \frac{\text{lb} *}{7000 \text{ gr}} \cdot \frac{60 \text{ min} =}{\text{hr}} =$	0.0549 lb/hr	0.2403 ton/yr
$\frac{2900 \text{ cf} *}{\text{min}} \cdot \frac{0.008 \text{ gr} *}{\text{cf}} \cdot \frac{\text{lb} *}{7000 \text{ gr}} \cdot \frac{60 \text{ min} =}{\text{hr}} =$	0.1989 lb/hr	0.871 ton/yr
$\frac{2900 \text{ cf} *}{\text{min}} \cdot \frac{0.008 \text{ gr} *}{\text{cf}} \cdot \frac{\text{lb} *}{7000 \text{ gr}} \cdot \frac{60 \text{ min} =}{\text{hr}} =$	0.1989 lb/hr	0.871 ton/yr
$\frac{2900 \text{ cf} *}{\text{min}} \cdot \frac{0.008 \text{ gr} *}{\text{cf}} \cdot \frac{\text{lb} *}{7000 \text{ gr}} \cdot \frac{60 \text{ min} =}{\text{hr}} =$	0.1989 lb/hr	0.871 ton/yr
$\frac{2900 \text{ cf} *}{\text{min}} \cdot \frac{0.008 \text{ gr} *}{\text{cf}} \cdot \frac{\text{lb} *}{7000 \text{ gr}} \cdot \frac{60 \text{ min} =}{\text{hr}} =$	0.1989 lb/hr	0.871 ton/yr
Total Increase:		0.8503 lb/hr 3.7243 ton/yr

The calculation for 326 IAC 6-3-2 is omitted due to confidentiality claims.
These emissions were found to be in compliance with the limit given by 326 IAC 6-3-2.

These emissions were added to those in CP 157-9182-00003 and rule applicability was reevaluated.
Rule applicability was unchanged as a result of this increase.