



Joseph E. Kernan
Governor

Lori F. Kaplan
Commissioner

June 23, 2004

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
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TO: Interested Parties / Applicant
RE: Tenneco Automotive / 151-19144-00015
FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision – Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNPER-AM.dot 9/16/03



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June 23, 2004

Mr. Butch Brown
Tenneco Automotive
503 Weatherhead Street
Angola, IN 46703

Re: 151-19144
Second Administrative Amendment to
FESOP 151-15838-00015

Dear Mr. Brown:

Tenneco Automotive was issued a FESOP permit on June 20, 2003 for a stationary rubber and miscellaneous plastics products manufacturing plant. A request for the replacement of two (2) dust collectors for the two (2) Wheelabrator Grit blast units (003A and 003B) with one (1) new dust collector was received on May 10, 2004. Pursuant to the provisions of 326 IAC 2-8-10 the permit is hereby administratively amended as follows:

Tenneco Automotive requests the replacement of two dust collectors, controlling particulate emissions from the two (2) Wheelabrator Grit blast units identified as 003A and 003B, with one (1) new Slide-In Jet Pulse Cartridge dust collector. There is no increase in potential emissions as a result of this modification. In fact the new dust collector has higher control efficiency of 99.5% then for the two old dust collectors which had the control efficiency of 99.0%. Therefore, the total particulate emissions from the blast units will decrease as a result of this modification.

Pursuant to the current source request and the provisions of 326 IAC 2-8-10(a)(11), the permit is hereby administratively amended to replace the two (2) existing dust collectors with one (1) Slide-In Jet Pulse Cartridge dust collector. The permit is revised as follows (bold language has been added and language with a line through it has been removed):

Sections A.2 and D.2 of the FESOP permit are administratively amended as follows:

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source source consists of the following emission units and pollution control devices:

- (a) Two (2) adhesive coating booths, identified as ID 001A (Model No. TEX 67-LO-34-M), constructed in 1974 (and modified in 1987), utilizing a LPHV spray application system, with an estimated potential coating usage of 8,951.5 gallons per year, using water wash for particulate overspray control, and exhausting to one (1) stack, identified as SV-1.
- (b) Two (2) Wheelabrator Grit blast units, identified as IDs 003A and 003B and constructed in 1974 and 1992, respectively, each with a maximum rate of 33,000 pounds of blast material per hour, **each both** utilizing a **separate Torit Jet Pulse Cartridge** dust collector for particulate control and exhausting through one (1) stack identified as DC-3 ~~and DC-4,~~ **respectively.**

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

- (b) Two (2) Wheelabrator Grit blast units, identified as IDs 003A and 003B and constructed in 1974 and 1992, respectively, each with a maximum rate of 33,000 pounds of blast material per hour, ~~each~~ **both** utilizing a ~~separate Torit~~ **Jet Pulse Cartridge** dust collector for particulate control and exhausting through one (1) stack identified as DC-3 ~~and DC-4, respectively.~~

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

D.2.3 Particulate Control

In order to comply with D.2.1, the dust collectors (DC-3 ~~and DC-4~~) for particulate control shall be in operation and control emissions from the two (2) Wheelabrator Grit blast units at all times that these facilities are in operation.

D.2.4 Visible Emissions Notations

- (a) Visible emission notations of the DC-3 ~~and DC-4~~ stack exhausts shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

.....

D.2.5 Parametric Monitoring

The Permittee shall record the total static pressure drop across ~~each of~~ the dust collectors (DC-3 ~~and DC-4~~) used in conjunction with two (2) Wheelabrator - Grit Blast units, at least once per shift when the Wheelabrator - Grit Blast units are in operation. When for any one reading, the pressure drop across ~~either the~~ baghouse is outside the normal range of ~~0.50~~ **0.75** and ~~3.0~~ **4.50** inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation and Implementation shall be considered a violation of this permit.

D.2.6 Baghouse Inspections

An inspection shall be performed within the last month of each calendar quarter of ~~all the~~ dust collectors (DC-3 ~~and DC-4~~) controlling the two (2) Wheelabrator - Grit Blast units. All defective bags shall be replaced.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5.
If you have any questions on this matter, please contact Adeel Yousuf, at (973) 575-2555, ext. 3252 or dial
(800) 451-6027, press 0 and ask for extension 3-6878.

Sincerely,

Original signed by Paul Dubenetzky
Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments
AY/EVP

cc: File – Steuben County
U.S. EPA, Region V
Steuben County Health Department
Northern Regional Office
Air Compliance Section Inspector – Doyle Houser
Compliance Data Section
Administrative and Development
Technical Support and Modeling - Michelle Boner



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FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) RENEWAL OFFICE OF AIR QUALITY

**Tenneco Automotive
503 Weatherhead Street
Angola, Indiana 46703**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F151-15838-00015	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: June 20, 2003 Expiration Date: June 20, 2008

First Administrative Amendment No.: 151-17913-00015 issued on August 5, 2003

Second Administrative Amendment No.: 151-19144-00015	
Issued by: Original signed by Paul Dubenetzky Paul Dubenetzky, Branch Chief Office of Air Quality	Pages Modified: 5, 25 and 26 Issuance Date: June 23, 2004

SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary rubber and miscellaneous plastics products manufacturing plant.

Authorized Individual:	Engineering Manager
Source Address:	503 Weatherhead Street, Angola, Indiana 46703
Mailing Address:	503 Weatherhead Street, Angola, Indiana 46703
SIC Code:	3714, 3069
Source Location Status:	Steuben
County Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD Rules; Minor Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source consists of the following emission units and pollution control devices:

- (a) Two (2) adhesive coating booths, identified as ID 001A (Model No. TEX 67-LO-34-M), constructed in 1974 (and modified in 1987), utilizing a LPHV spray application system, with an estimated potential coating usage of 8,951.5 gallons per year, using water wash for particulate overspray control, and exhausting to one (1) stack, identified as SV-1.
- (b) Two (2) Wheelabrator Grit blast units, identified as IDs 003A and 003B and constructed in 1974 and 1992, respectively, each with a maximum rate of 33,000 pounds of blast material per hour, both utilizing a Jet Pulse Cartridge dust collector for particulate control and exhausting through one (1) stack identified as DC-3.
- (c) Three (3) cold cleaners performing organic solvent degreasing operations:
 - (1) Rotary assembly unit cleaner, installed in 1993, with a maximum capacity of 77 gallons.
 - (2) Maintenance cleaner, installed in 1993, with a maximum capacity of 26 gallons.
 - (3) Service cleaner, installed in 1993, with a maximum capacity of 26 gallons.

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) Natural gas fired combustion sources with heat input equal to or less than 10 million British thermal units per hour consisting of:
 - (1) One (1) natural gas fired boiler, with a maximum rated heat input of 4.164 million MMBtu per hour, and exhausting through stack B-001 (constructed after 1983).
 - (2) Four (4) natural gas fired air makeup units, each rated 1.75 MMBtu/hr.
 - (3) One (1) natural gas fired heat treat furnace, rated at 0.1 MMBtu/hr.
 - (4) Eight (8) natural gas fired space heaters with combined rated capacity of 0.483 MMBtu/hr.
- (b) Propane or liquefied petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) Btu per hour.

SECTION D.2

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

- (b) Two (2) Wheelabrator Grit blast units, identified as IDs 003A and 003B and constructed in 1974 and 1992, respectively, each with a maximum rate of 33,000 pounds of blast material per hour, both utilizing a Jet Pulse Cartridge dust collector for particulate control and exhausting through one (1) stack identified as DC-3.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.2.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from each Wheelabrator Grit blast unit shall not exceed 26.82 pounds per hour when operating at a process weight rate of 33,000 pounds per hour.

The pounds per hour limitation was calculated with the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

D.2.2 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the two (2) Wheelabrator Grit blast units and their control device.

Compliance Determination Requirements

D.2.3 Particulate Control

In order to comply with D.2.1, the dust collector (DC-3) for particulate control shall be in operation and control emissions from the two (2) Wheelabrator Grit blast units at all times that these facilities are in operation.

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.2.4 Visible Emissions Notations

- (a) Visible emission notations of the DC-3 stack exhaust shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) 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 visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation and Implementation shall be considered a violation of this permit.

D.2.5 Parametric Monitoring

The Permittee shall record the total static pressure drop across the dust collector (DC-3) used in conjunction with two (2) Wheelabrator - Grit Blast units, at least once per shift when the Wheelabrator - Grit Blast units are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 0.75 and 4.50 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation and Implementation shall be considered a violation of this permit.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.2.6 Baghouse Inspections

An inspection shall be performed within the last month of each calendar quarter of the dust collector (DC-3) controlling the two (2) Wheelabrator - Grit Blast units. All defective bags shall be replaced.

D.2.7 Broken or Failed Bag Detection

In the event that bag failure has been observed:

- (a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation and Implementation shall be considered a violation of this permit.
- (b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced.

Record Keeping and Reporting Requirement

D.2.8 Record Keeping Requirements

- (a) To document compliance with Condition D.2.4, the Permittee shall maintain records of visible emission notations of the two (2) Wheelabrator Grit blast units stack exhaust once per shift.
- (b) To document compliance with Condition D.2.5, the Permittee shall maintain records once per shift of the total static pressure drop.
- (c) To document compliance with Condition D.2.6, the Permittee shall maintain records of the results of the inspections required under Condition D.2.6.
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.