



State of Ohio Environmental Protection Agency

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

CERTIFIED MAIL

Street Address:

50 West Town Street, Suite 700

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

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049

Application No: 03-13715

Fac ID: 0369000005

DATE: 4/22/2008

Gilboa Elevator
Jerry Haselman
219 Pearl Street
Gilboa, OH 45875

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 of the Director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 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. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00 which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, OH 43215

Sincerely,

Michael W. Ahern, Manager
Permit Issuance and Data Management Section
Division of Air Pollution Control

CC: USEPA

NWDO



**Permit To Install
Terms and Conditions**

**Issue Date: 4/22/2008
Effective Date: 4/22/2008**

FINAL PERMIT TO INSTALL 03-13715

Application Number: 03-13715
Facility ID: 0369000005
Permit Fee: **\$4500**
Name of Facility: Gilboa Elevator
Person to Contact: Jerry Haselman
Address: 219 Pearl Street
Gilboa, OH 45875

Location of proposed air contaminant source(s) [emissions unit(s)]:
**219 Pearl Street
Gilboa, Ohio**

Description of proposed emissions unit(s):
Installation of a grain receiving pit and a silo for grain load-out. A dryer was also constructed in 1998 without getting PTI.

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

Chris Korleski
Director

Gilboa Elevator
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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

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 (i.e., postmarked) quarterly 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

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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)

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

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

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 Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

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.

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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.

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	2.23
PM ₁₀	0.67
NO _x	0.98

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.

Operations, Property, and/or Equipment - (F001) - Grain receiving stations (modification) and transferring/conveying. The modification includes a grain receiving pit which has a capacity of 4000 bushels per hour.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
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OAC rule 3745-31-05(A)(3)	<p>Control requirements (See A.2.a)</p> <p><u>Grain receiving by truck:</u> 1.03 tons fugitive particulate emissions (PE) per year</p> <p>0.34 tons fugitive particulate matter 10 microns in diameter or less (PM₁₀) per year</p> <p>Visible fugitive PE shall not exceed 20% opacity as a three-minute average (from enclosures containing grain receiving operations)</p> <p><u>Transferring/Conveying Operations:</u> 0.01 tons PE per year</p> <p>0.01 tons PM₁₀ per year</p> <p>Any visible fugitive PE associated with transferring/conveying operations shall not exceed 0% opacity, as a three-minute average</p> <p><u>Screening/Cleaning Operations:</u> 0.01 tons PE per year</p> <p>0.003 tons PM₁₀ per year</p> <p>Any visible fugitive PE associated with screening/cleaning operations shall not exceed 20% opacity, as a three-minute average</p>
OAC rule 3745-17-07(B)	See A.2.b
OAC rule 3745-17-08(B)	See A.2.c

2. Additional Terms and Conditions

- 2.a** The "Best Available Technology" (BAT) control requirements for emissions unit F001 has been determined to be use of a three-sided enclosure for all grain receiving stations and a totally enclosed system for the transferring and conveying operations. BAT requirements also include compliance with the terms and conditions of this permit.
- 2.b.** This emissions unit is exempt from the visible particulate emission limitations

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specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

- 2.c.** Gilboa Elevator 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 of OAC rule 3745-17-08.

B. Operational Restrictions

1. The maximum annual grain throughput rate from emissions unit F001 shall not exceed 28,584 tons.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the amount of grain throughput for this emissions unit (in tons per month and total tons, to date for the calendar year).
2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the grain receiving, transferring and conveying operations. The presence or absence of any visible 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. for grain receiving operations:
 - i. the location and color of the emissions;
 - ii. whether the emissions are representative of normal operations;
 - iii. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - iv. the total duration of any visible emission incident; and,
 - v. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (iv.) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were

Emissions Unit ID: **F001**

taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

- b. for transferring and conveying:
 - i. the color of the emissions;
 - ii. the total duration of any visible emission incident; and,
 - iii. any corrective actions taken to eliminate the visible emissions.

D. Reporting Requirements

1. The permittee shall submit annual reports which identify any exceedance of the annual grain throughput limitation, as well as the corrective actions that were taken to achieve compliance. If no deviations occurred during the calendar year, the permittee shall submit an annual report, which states that no deviations occurred during that calendar year. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit semiannual written reports that:
 - a. for grain receiving and loading operations:
 - i. identify all days during which any abnormal visible fugitive particulate emissions were observed from grain receiving and loading operations; and
 - ii. describe any corrective actions taken to minimize or eliminate the abnormal visible fugitive particulate emissions.
 - b. for transferring/conveying operations:
 - i. identify all days during which any visible fugitive particulate emissions were observed from transferring/conveying operations; and
 - ii. describe any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions.

These reports shall be submitted to the Director (the Northwest District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

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E. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) established in the Applicable Emissions Limitation section of this permit shall be determined in accordance with the following method(s):

- a. Emission Limitation
Receiving: 1.03 tons fugitive PE/year

Applicable Compliance Method

The permittee shall demonstrate compliance by multiplying an AP-42 emission factor of 0.18 lbs PE/ton grain (Section 9.9.1 (3/2003)), a maximum annual grain throughput of 28,584 tons of grain, a 60% control efficiency for using a three-sided enclosure, and multiplying by a conversion factor of ton/2000 lbs.

- b. Emission Limitation
Receiving: 0.34 tons fugitive PM₁₀/year

Applicable Compliance Method

The permittee shall demonstrate compliance by multiplying an AP-42 emission factor of 0.059 lbs PM₁₀/ton grain (Section 9.9.1 (3/2003)), a maximum annual grain throughput of 28,584 tons of grain, a 60% control efficiency for using a three-sided enclosure, and multiplying by a conversion factor of ton/2000 lbs.

- c. Emission Limitation
Visible fugitive PE shall not exceed 20% opacity, as a 3-minute average from receiving operations

Applicable Compliance Method

If required, compliance with the visible emission limitation shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

- d. Emission Limitation
Transferring/Conveying Operations: 0.01 tons fugitive PE/year

Applicable Compliance Method

Emissions Unit ID: **F001**

The permittee shall demonstrate compliance by multiplying an AP-42 emission factor of 0.061 lbs PE/ton grain (Section 9.9.1 (3/2003)) by a maximum annual grain throughput of 28,584 tons grain/year, 99% control efficiency for totally enclosed system and multiplying by a conversion factor of ton/2000 lbs.

e. Emission Limitation

Transferring/Conveying Operations: 0.01 tons fugitive PM₁₀/year

Applicable Compliance Method

The permittee shall demonstrate compliance by multiplying an AP-42 emission factor of 0.061 lbs PM₁₀/ton grain (Section 9.9.1 (3/2003)) by a maximum annual grain throughput of 28,584 tons grain/year, 99% control efficiency for totally enclosed system and multiplying by a conversion factor of ton/2000 lbs.

f. Emission Limitation

Visible fugitive PE shall not exceed 0% opacity, as a 3-minute average from transferring/conveying operations

Applicable Compliance Method

If required, compliance with the visible emission limitation shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

g. Emission Limitation

Screening/Cleaning Operations: 0.01 tons fugitive PE/year

Applicable Compliance Method

The permittee shall demonstrate compliance by multiplying an AP-42 emission factor of 0.061 lbs PE/ton grain (Section 9.9.1 (3/2003)) by a maximum annual grain throughput of 360 tons grain/year and multiplying by a conversion factor of ton/2000 lbs.

h. Emission Limitation

Screening/Cleaning Operations: 0.003 tons fugitive PM₁₀/year

Applicable Compliance Method

The permittee shall demonstrate compliance by multiplying an AP-42 emission factor of 0.061 lbs PM₁₀/ton grain (Section 9.9.1 (3/2003)) by a maximum annual grain throughput of 360 tons grain/year and multiplying by a conversion factor of

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ton/2000 lbs.

i. Emission Limitation

Visible fugitive PE shall not exceed 20% opacity, as a 3-minute average from screening/cleaning operations

Applicable Compliance Method

If required, compliance with the visible emission limitation shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

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.

Operations, Property, and/or Equipment - (F002) - 440 TPH truck loadout station (modification). Modification includes an increase to annual throughput.

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	See A.2.a 0.31 tons fugitive PE per year 0.10 tons fugitive PM ₁₀ per year Visible fugitive PE shall not exceed 20% opacity, as a 3-minute average from truck loading operations
OAC rule 3745-17-07(B)	See A.2.b
OAC rule 3745-17-08(B)	See A.2.c

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2. Additional Terms and Conditions

- 2.a** The "Best Available Technology" (BAT) control requirements for emissions unit F002 has been determined to be the use of an adjustable chute for all truck loading operations installed after 1985. BAT requirements also include compliance with the terms and conditions of this permit.
- 2.b.** 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.c.** Gilboa Elevator 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 of OAC rule 3745-17-08.

B. Operational Restrictions

- 1. The maximum annual grain throughput rate from emissions unit F002 shall not exceed 28,584 tons.

C. Monitoring and/or Recordkeeping Requirements

- 1. The permittee shall maintain monthly records of the amount of grain throughput for this emissions unit (in tons per month and total tons, to date for the calendar year).
- 2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the grain loading operations. The presence or absence of any visible 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. for grain loading operations:
 - i. the location and color of the emissions;
 - ii. whether the emissions are representative of normal operations;
 - iii. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
 - iv. the total duration of any visible emission incident; and,
 - v. any corrective actions taken to minimize or eliminate the visible

Emissions Unit ID: **F002**

emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (iv.) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

D. Reporting Requirements

1. The permittee shall submit annual reports which identify any exceedance of the annual grain throughput limitation, as well as the corrective actions that were taken to achieve compliance. If no deviations occurred during the calendar year, the permittee shall submit an annual report, which states that no deviations occurred during that calendar year. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit a semiannual written report that (i.) identify all days during which any abnormal visible fugitive particulate emissions were observed from grain loading operations and (ii.) any corrective actions taken to minimize or eliminate the abnormal visible fugitive particulate emissions.

This report shall be submitted to the Director (the Northwest District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

E. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) established in the Applicable Emissions Limitation section of this permit shall be determined in accordance with the following method(s):
 - a. Emission Limitation
Loadout: 0.31 tons fugitive PE/year

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Applicable Compliance Method

The permittee shall demonstrate compliance by multiplying an AP-42 emission factor of 0.086 lbs PE/ton grain (Section 9.9.1 (3/2003)) by a maximum annual grain throughput of 28,584 tons of grain, the control efficiency provided by the adjustable chute of 75% and multiplying by a conversion factor of ton/2000 lbs.

b. Emission Limitation

Loadout: 0.10 tons fugitive PM₁₀/year

Applicable Compliance Method

The permittee shall demonstrate compliance by multiplying an AP-42 emission factor of 0.029 lbs PM₁₀/ton grain (Section 9.9.1 (3/2003)) by a maximum annual grain throughput of 28,584 tons of grain, the control efficiency provided by the adjustable chute of 75% and multiplying by a conversion factor of ton/2000 lbs.

c. Emission Limitation

Visible fugitive PE shall not exceed 20% opacity, as a 3-minute average, during truck loading

Applicable Compliance Method

If required, compliance with the visible emission limitation shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

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.

Operations, Property, and/or Equipment - (F003) - Grain dryer (2000 bushels per hour)

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	Control requirements (See A.2.a) 0.87 tons fugitive PE per year 0.22 ton fugitive PM ₁₀ per year Visible fugitive PE shall not exceed 20% opacity as a 3-minute average 0.98 tons of nitrogen oxides (NO _x) per year
OAC rule 3745-17-07(B)	See A.2.b
OAC rule 3745-17-08(B)	See A.2.c

2. Additional Terms and Conditions

- 2.a The "Best Available Technology" (BAT) control requirement for this emissions unit has been determined to be the use of column plate perforation with a diameter equal to or less than 0.094 inches. BAT requirements also include compliance with the terms and conditions of this permit.
- 2.b This emissions unit is exempt from the visible particulate emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).
- 2.c Gilboa Elevator is not located within an "Appendix A" area identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).

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B. Operational Restrictions

1. The maximum annual throughput from emissions unit F003 shall not exceed 7,938 tons of grain.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the amount of grain throughput for this emissions unit (in tons per month and total tons, to date for the calendar year).

D. Reporting Requirements

1. The permittee shall submit annual deviation (excursion) reports that identify any and all exceedances of the annual grain throughput limitation, as well as the corrective actions taken to achieve compliance. The reports shall be submitted by January 31 of each year and shall cover the previous 12-month period unless no deviations occurred during the calendar year. For calendar years during which no deviations occurred, the permittee is not required to submit a report during such year.

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:
0.87 tons fugitive PE per year

Applicable Compliance Method:

The permittee shall demonstrate compliance by multiplying an AP-42 emission factor of 0.22 lb PE/ton grain (Section 9.9.1 (3/2003)) by the maximum annual grain throughput of 7,938 tons and multiplying by a conversion factor of ton/2000 lbs.

- b. Emission Limitation:
0.22 tons fugitive PM₁₀ per year

Applicable Compliance Method:

The permittee shall demonstrate compliance by multiplying an AP-42 emission factor of 0.055 lb PM₁₀/ton grain (Section 9.9.1 (3/2003)) by the maximum annual grain throughput of 7,938 tons and multiplying by a conversion factor of ton/2000

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lbs.

- c. Emission Limitation:
Visible fugitive PE shall not exceed 20% opacity as a 3-minute average

Emissions Unit ID: **F003**Applicable Compliance Method:

If required, compliance with the visible emission limitation shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

- d. Emission Limitation:
0.98 tons NO_x/year

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly NO_x emission rate by multiplying an AP-42 emission factor of 19 lbs NO_x/1000 gallon (Section 1.5-3 (10/1996)) with the heating value of LPG gas of 94,000 BTU/gal and the maximum heat input of the emission unit of 19.35 million BTU/hr. Compliance with the annual emission limitation shall be determined by multiplying the hourly emission rate by the actual hours of operation and dividing by 2000 lbs/ton.

F. Miscellaneous Requirements

None

Gilboa Elevator
PTI Application: 03-13715
Issued: 4/22/2008

Facility ID: 036900005

Emissions Unit ID: **F003**

SIC CODE 5153 SCC CODE 3-02-005-50 EMISSIONS UNIT ID F001

EMISSIONS UNIT DESCRIPTION Grain receiving stations (modification) and transferring/conveying. The modification includes a grain receiving pit which has a capacity of 4000 bushels per hour.

DATE INSTALLED 1958 / modified 1998

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	Receiving by truck				1.03
	Transferring/Conveying				0.01
	Screening/Cleaning				0.01
PM ₁₀	Receiving by truck				0.34
	Transferring/Conveying				0.01
	Screening/Cleaning				0.003
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? No NESHAP? No PSD? No OFFSET POLICY? No

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Three-sided enclosure as well as a totally enclosed system for the transferring/conveying operations are BAT requirements.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$ _____

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS: _____

Gilboa Elevator
PTI Application: 03-13715
Issued: 4/22/2008

Facility ID: 036900005

Emissions Unit ID: **F003**

SIC CODE 5153 SCC CODE 3-02-005-27 EMISSIONS UNIT ID F003
 EMISSIONS UNIT DESCRIPTION Grain dryer (2000 bushels per hour)
 DATE INSTALLED 1998

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter					0.87
PM ₁₀					0.22
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					0.98
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? No

NESHAP? No

PSD? No

OFFSET POLICY? No

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Plate perforation diameter of no more than 0.94 inches is considered BAT for this emissions unit. BAT also includes compliance with the rest of the terms and conditions of this permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS: _____