



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL MODIFICATION
WYANDOT 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: 03-13883

Fac ID: 0388000025

DATE: 2/2/2006

Mineral Processing
John Uliveto
1855 County Highway 99
Carey, OH 43316

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

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

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, Ohio 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: 2/2/2006
Effective Date: 2/2/2006**

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 03-13883

Application Number: 03-13883
Facility ID: 0388000025
Permit Fee: **\$400**
Name of Facility: Mineral Processing
Person to Contact: John Uliveto
Address: 1855 County Highway 99
Carey, OH 43316

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

**1855 County Highway 99
Carey, Ohio**

Description of proposed emissions unit(s):

Administrative modification to lower fugitive PE limit, increase OC limits and establish synthetic minor permit restrictions.

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

Part I - GENERAL TERMS AND CONDITIONS

A. 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 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

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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.

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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.

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 (stack)	55.23
PE (fugitive)	1.11

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NO _x	15.03
CO	12.62
VOC	64.90

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PTI A

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Emissions Unit ID: P901

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.

OAC rule 3745-31-05(C)

Operations, Property,
and/or Equipment

Applicable Rules/Requirements

P901 - Pelletized mineral processing line consisting of 1 hopper, 1- 6 MMBTU/hr ball mill, 4 bucket elevators, 3 belt conveyors, 2 screw conveyors, 1 mix auger, 1 chainmill, 1 pelletizing pan, 1- 29 MMBTU/hr dryer, screens, 1 air classifier and 1 baghouse. (Administrative modification to PTI 03-3712, issued 10/27/88, to combine emissions units formerly known as P001 and P002, to address pollutants previously unpermitted; and to establish synthetic minor emission limitation for OC.)

OAC rule 3745-31-05(A)(3)

OAC rule 3745-17-07(A)

OAC rule 3745-17-07(B)

OAC rule 3745-17-08

OAC rule 3745-17-11(A)

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Applicable Emissions
Limitations/Control Measures

Control requirements (see A.2.a)

See Section A.2.a

See Section A.2.c

See Section . A.2.c

Combined stack emissions from the air classifier and baghouse shall not exceed the following:

12.61 lbs particulate emissions (PE)/hour, 55.23 tons PE/year

3.43 lbs nitrogen oxides (NO_x)/hour, 15.03 tons NO_x/year

2.88 lbs carbon monoxide (CO)/hour, 12.62 tons CO/year

25.99 lbs organic compounds (OC)/hour

1.11 tons fugitive PE/year

Visible PE from any fugitive dust source shall not exceed 20% opacity as a three-minute average

See Section . A.2.b

64.90 tons OC per rolling, 12-month period (see A.2.d)

Visible stack particulate emissions shall not exceed 20% opacity, as a six-minute average

Miner**PTI A****Modification Issued: 2/2/2006**Emissions Unit ID: **P901****2. Additional Terms and Conditions**

- 2.a** Best available technology (BAT) for this emissions unit has been determined to be use of partial building enclosure, use of an air classifier and a baghouse control system, each with a maximum outlet concentration of 0.03 gr/dscf.

Since this emissions unit is located within an Appendix A area, as defined under OAC rule 3745-17-08, and therefore must employ reasonably available control measures (RACM), it has been determined that the control requirements established under OAC rule 3745-31-05(BAT) also satisfy the requirements of OAC rule 3745-17-08.

- 2.b** Visible particulate emissions and BAT requirements for the pelletized limestone processing line shall comply with the following:

Emissions Point (company ID)	Equipment Type	BAT Control Requirements	Opacity Limitations
front-end loading into hopper	transfer point	partial building enclosure	20% opacity as a three-minute average
hopper to belt conveyor	transfer point	partial building enclosure	20% opacity as a three-minute average
belt conveyor to elevator	transfer point	partial building enclosure	20% opacity as a three-minute average
elevator to chute	transfer point	partial building enclosure	20% opacity as a three-minute average
chute to ball mill	transfer point	air classifier with outlet grain loading of 0.03 gr/dscf and partial building enclosure	20% opacity as a six-minute average from stack, 20% opacity as a three-minute average from building
screw to mixer	transfer point	air classifier with outlet grain loading of 0.03 gr/dscf and partial building enclosure	20% opacity as a six-minute average from stack, 20% opacity as a three-minute average from building
chute to pelletizer	transfer point	partial building enclosure	20% opacity as a three-minute average
pelletizer to dryer	transfer point	baghouse with outlet grain loading of 0.03 gr/dscf and partial building enclosure	20% opacity as a six-minute average from stack, 20% opacity as a three-minute average from building

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dryer to chute	transfer point	baghouse with outlet grain loading of 0.03 gr/dscf and partial building enclosure	20% opacity as a six-minute average from stack, 20% opacity as a three-minute average from building
chute to elevator	transfer point	baghouse with outlet grain loading of 0.03 gr/dscf and partial building enclosure	20% opacity as a six-minute average from stack, 20% opacity as a three-minute average from building
chute to elevator	transfer point	partial building enclosure	20% opacity as a three-minute average from building
elevator to belt conveyor	transfer point	baghouse with outlet grain loading of 0.03 gr/dscf and partial building enclosure	20% opacity as a six-minute average from stack, 20% opacity as a three-minute average from building
screw to belt conveyor	transfer point	baghouse with outlet grain loading of 0.03 gr/dscf and partial building enclosure	20% opacity as a six-minute average from stack, 20% opacity as a three-minute average from building
belt conveyor to auger	transfer point	baghouse with outlet grain loading of 0.03 gr/dscf and partial building enclosure	20% opacity as a six-minute average from stack, 20% opacity as a three-minute average from building
belt conveyor to storage	transfer point	partial building enclosure	20% opacity as a three-minute average from building

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

2.d The emissions of OC from emission unit P901 shall not exceed 64.90 tons per year based on a rolling, 12-month summation of the monthly emissions. The federally enforceable OC limitation is based on an annual production restriction (see B.1). Federally enforceable OC limitations are being established for the purpose of avoiding Title V applicability. For purposes of federal enforceability a restriction on OC emissions effectively limits VOC emissions.

B. Operational Restrictions

Emissions Unit ID: **P901**

1. The maximum annual production rate for this emissions unit shall not exceed 110,000 tons of finished product based upon a rolling, 12-month summation of finished product. To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the levels specified in the following table:

Month(s)	Maximum Allowable Production of Finished Product (tons)
1	22,000
1-2	44,000
1-3	66,000
1-4	88,000
1-12	110,000

After the first 12 calendar months of operation following the issuance of this permit, compliance with the maximum annual production restriction shall be based upon a rolling, 12-month summation of finished product processed.

2. The permittee shall burn only natural gas in this emissions unit.
3. The pressure drop across the air classifier and baghouse shall be maintained within the range specified below while the emissions unit is in operation:
 - a. 4 to 8 inches of water for the air classifier; and
 - b. 2.5 to 6 inches of water for the baghouse.
4. The permittee shall only employ in this emissions unit those materials specified in their permit to install application. Prior to the use of a different binder, mineral product or binder supplier, the permittee shall submit acceptable, written documentation to show that the use of the new material does not constitute a "modification", as defined in OAC rule 3745-31-01 and will not result in a violation of OAC rule 3745-15-07. The permittee shall collect, record and retain any information and the final determination when modification evaluations are performed.

C. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

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2. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drops across the air classifier and 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 drops across the air classifier and baghouse on a daily basis.

3. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive emissions from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit. The presence or absence of any visible fugitive emissions shall be noted in an operations log. If visible fugitive 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.

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 (d) 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, in 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, 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.

4. The permittee shall collect and record the following information each day for this emission unit:

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- a. the name and manufacturer of each binder employed;
 - b. the amount of each binder employed, in gallons; and
 - c. the name and throughput of each mineral processed, in tons.
5. The permittee shall collect and record the following information each month for this emission unit:
- a. the total amount of finished product processed, in tons;
 - b. for the first 12 months of operation following issuance of this permit, the cumulative amount of finished product processed, in tons;
 - c. beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of finished product processed, in tons:

the total monthly OC emission rate calculated by the following equation, in tons/month:

$$\text{OC emissions} = (\text{total amount of finished product processed}) \times (\text{stack test derived OC emission factor}) \times (\text{ton}/2000 \text{ lbs})$$

$$= (\text{C.5.a}) \times (1.18 \text{ lbs OC/ton of finished product}) \times (\text{ton}/2000 \text{ lbs})$$
 - d. for the first 12 months of operation following the issuance of this permit, the cumulative monthly OC emission rate, in tons;
 - e. beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of monthly OC emissions, in tons.
6. For each day during which the permittee employs a binder, mineral or binder system supplied by a manufacturer other than the ones approved in accordance with condition B.4. above, the permittee shall maintain a record of the following information for this emission unit on a daily basis:
- a. name of binder system manufacturer;
 - b. type and quantity of the binder used in this emission unit, in gallons; and

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- c. type and quantity of mineral through the emissions unit, in tons.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
2. The permittee shall submit quarterly deviation (excursion) reports, in accordance with the General Terms and Conditions of this permit, that identify all periods of time during which the pressure drop across the baghouse and air classifier did not comply with the allowable ranges specified above (Section B.3).
3. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive emissions were observed from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible fugitive emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
4. The permittee shall submit deviation (excursion) reports which identify exceedances of any of the following:
 - a. any exceedances of the rolling, 12-month summation of finished product processed as specified in paragraph B.1 of this permit; and
 - b. any exceedances of the annual OC emission limitation of 64.90 tons OC per rolling, 12-month period.
 - c. for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum cumulative amount of finished product processed.

The permittee shall submit these deviation (excursion) reports in accordance with the General Terms and Conditions of this permit.

E. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

- a. The emission testing shall be conducted within 6 months after permit issuance. (The testing requirements contained in this administrative modification were fulfilled by testing performed on April 6, 2005.)
- b. The emission testing shall be conducted to demonstrate compliance with the maximum outlet grain loading for the air classifier and baghouse and the lb/hr emission rates for PE and OC.
- c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): for PE, Methods 1 through 5 of 40 CFR Part 60, Appendix A; and for VOC, Methods 1-4 and 18, 25, or 25A of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
- d. The test(s) shall be conducted while emissions unit P901 is operating at or near its maximum capacity of 22 tons/hour, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), 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 from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

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

a. **Emissions Limitation**

12.61 lbs PE/hour and 55.23 tons PE/year combined from air classifier and baghouse stacks

Applicable Compliance Method

Compliance with the lb/hr PE limitation shall be determined in accordance with the test methods and procedures of 40 CFR Part 60, Appendix A, Methods 1-5 (see Testing Requirements in Section E.1).

The annual PE limit was established by multiplying the hourly emission limit by the maximum operating schedule of 8760 hrs/yr and by 1 ton/ 2000 lbs. Therefore, provided compliance is shown with the hourly emission limitation, compliance will also be shown with the annual limitation. For the purposes of reporting requirements, the permittee may use the average pound per hour emission results from the most recent stack test that demonstrated the emission unit to be in compliance, as the basis of annual emission estimates.

b. **Emission Limitation**

3.43 lbs NO_x/hour and 15.03 tons NO_x/year combined from air classifier and baghouse stacks

Applicable Compliance Method

The permittee shall demonstrate compliance with the hourly limitation by multiplying an emission factor of 100 lb NO_x/MMscf divided by 1020 Btu/scf [AP-42, Chapter 1, Table 1.4-1 (7/98)], then multiplying by maximum firing capacities of 6 MMBTU/hr for the ball mill and 29 MMBtu/hr for the dryer. If required, compliance with the lb/hr limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1-4 and 7.

The ton/yr limitation was developed by multiplying the lb/hr limitation by a maximum operating schedule of 8760 hr/year, 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**

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2.88 lbs CO/hour and 12.62 tons CO/year combined from air classifier and baghouse stacks

Applicable Compliance Method

The permittee shall demonstrate compliance with the hourly limitation by multiplying an emission factor of 84 lb CO/MMscf divided by 1020 Btu/scf [AP-42, Chapter 1, Table 1.4-1 (7/98)], then multiplying by maximum firing capacities of 6 MMBTU/hr for the ball mill and 29 MMBTU/hr for the dryer. If required, compliance with the lb/hr limitation shall be determined in accordance with the test methods and procedures in 40 CFR Part 60, Appendix A, Methods 1-4 and 10 or 10B.

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

d. **Emission Limitation**

25.99 lbs OC/hour combined from air classifier and baghouse stacks

Miner**PTI A****Modification Issued: 2/2/2006**Emissions Unit ID: **P901****Applicable Compliance Method**

Compliance with the lb/hr limitation shall be determined in accordance with the test methods and procedures of 40 CFR Part 60, Appendix A, Methods 1-4, and 18, 25 or 25A (see Testing Requirements in Section E.1).

e. **Emissions Limitation**

64.90 tons OC per rolling, 12-month period

Applicable Compliance Method:

Compliance with the annual OC emission limit shall be based upon the recordkeeping requirements contained in section C. 5 of this permit.

f. **Emissions Limitation**

Visible stack particulate emissions shall not exceed 20% opacity, as a six-minute average

Applicable Compliance Method:

If required, compliance shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9.

g. **Emission Limitations:**

1.11 TPY fugitive PE

Applicable Compliance Method:

The emission limitation was developed by multiplying the annual maximum production rate of 110,000 tons of material by emissions factors calculated from or found in AP-42 Chapters 13.2.4 and 11.19.2 (revised 1/95), applying a 70% control efficiency for the partial building enclosure, and applying an additional 90% capture efficiency to eight points that are controlled by either the air classifier or baghouse. Therefore, provided compliance is shown with the annual throughput limitation, compliance with the ton per year PE limitation will be assumed.

h. **Emission Limitations:**

Visible PE from any fugitive dust source shall not exceed 20% opacity as a three-minute average

Applicable Compliance Method:

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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) of OAC rule 3745-17-03.

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PTI A

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i. **Emission Limitations:**

The maximum annual production rate for this emissions unit shall not exceed 110,000 tons of finished product based upon a rolling, 12-month summation of finished product.

Applicable Compliance Method:

Compliance shall be based upon the recordkeeping requirements contained in section C. 5 of this permit.

F. Miscellaneous Requirements

1. The permittee shall comply with the Preventative Maintenance/Malfunction Abatement Plan inspection requirements, monitoring and recordkeeping and reporting requirements for the air classifier and baghouse, as outlined in the Consent Order issued on April 18, 2002.