



State of Ohio Environmental Protection Agency

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P.O. Box 1049
Columbus, OH 43216-1049

RE: **FINAL PERMIT TO INSTALL MODIFICATION CERTIFIED MAIL**

OTTAWA COUNTY
Application No: 03-11310

	TOXIC REVIEW
	PSD
	SYNTHETIC MINOR
	CEMS
	MACT
Subpart 000	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

DATE: 5/6/2003

Stansley Mineral Resources
Chip Tokar
3810 Herr Road
Sylvania, OH 43560

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
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,

Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA

NWDO

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 03-11310

Application Number: **03-11310**
APS Premise Number: **0362000125**
Permit Fee: **\$550**
Name of Facility: **Stansley Mineral Resources**
Person to Contact: **Chip Tokar**
Address: **3810 Herr Road**
Sylvania, OH 43560

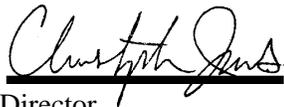
Location of proposed air contaminant source(s) [emissions unit(s)]:
677 Clay Center Road
Genoa, OHIO

Description of modification:
Administrative modification to increase the aggregate processed to 800,000 tons per year.

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

Stansley Mineral Resources
PTI Application: 03-11310
Modification Issued: 5/6/2003

Facility ID: **0362000125**

GENERAL PERMIT CONDITIONS

TERMINATION OF PERMIT TO INSTALL

Substantial construction for installation must take place within 18 months of the effective date of this permit. 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.

NOTICE OF INSPECTION

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

CONSTRUCTION OF NEW SOURCES

The proposed source(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 are inadequate or cannot meet applicable standards.

If the construction of the proposed source(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 Ohio Administrative Code (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 applicable standards.

PERMIT TO INSTALL FEE

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

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.

APPLICABILITY

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

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.

PERMIT TO OPERATE APPLICATION AND OPERATION AFTER COMPLETION OF CONSTRUCTION

If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. 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 source(s) covered by this permit.

SOURCE OPERATION 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 and regulations.

AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Stansley Mineral Resources** located in **OTTAWA** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
F001	5 0 0 0 T P H a g g r e g a t e processing line	Use of water spray and compliance with the terms and conditions of this permit and compliance with NSPS requirements	3745-31-05	3.42 TPY fugitive particulate emissions (PE) 1.63 TPY PM ₁₀ (See Additional Special Terms and Conditions Section A)
			40 CFR Part 60 Subpart OOO	opacity restrictions (see Additional Special Terms and Conditions Section A)
F002	Facility unpaved roadways and parking areas	Use of reasonably available control measures (RACM) and compliance with the terms and conditions of this permit.	3745-31-05	1.29 TPY fugitive PE, opacity restrictions (see Additional Special Terms and Conditions Section A)
F003	Material storage piles	Use of RACM and compliance with the terms and conditions of this permit.	3745-31-05	0.78 TPY fugitive PE, opacity restrictions (see Additional Special Terms and Conditions Section A)

SUMMARY
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
PE	5.49
PM ₁₀	1.63

NSPS REQUIREMENTS

The following sources are subject to the applicable provisions of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60.

<u>Source Number</u>	<u>Source Description</u>	<u>NSPS Regulation (Subpart)</u>
F001	Aggregate Processing Plant	OOO

The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:

- a. construction date (no later than 30 days after such date);
- b. anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
- c. actual start-up date (within 15 days after such date); and
- d. date of performance testing (If required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Air Quality Modeling and Planning
P.O. Box 1049
Columbus, OH 43216-1049

and Northwest District Office- DAPC
347 North Dunbridge Road
Bowling Green, Ohio 43402

REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Northwest District Office-DAPC, 347 North Dunbridge Road, Bowling Green, Ohio 43402.**

WASTE DISPOSAL

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

MAINTENANCE OF EQUIPMENT

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

MALFUNCTION/ABATEMENT

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **Northwest District Office-DAPC, 347 North Dunbridge Road, Bowling Green, Ohio 43402.**

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

AIR POLLUTION NUISANCES PROHIBITED

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

Introduction

The purpose of this permit to install (PTI) modification for the aggregate processing line, emissions unit F001, is to allow for the installation of a stationary primary crusher with associated conveyors, primary screen, secondary crusher, secondary screen, tertiary crusher, tertiary screen with associated conveyors, emissions unit F001; plant roadways and parking areas, emissions unit F002; and material storage piles, emissions unit F003.

A. Applicable Emission Limitations and/or Control Requirements

1. Visible particulate emissions from the aggregate processing equipment included under emission unit F001 shall not exceed the following opacity restrictions:

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Facility ID: 0362000125

Emissions Point	Equipment Type	Opacity Limit	Regulation Applicability
truck dumping to feeder (F1)	feed hooper	*	OAC 3745-31-05
primary crusher (C1)	crusher	15 percent	NSPS
primary crusher (C1) to conveyor 1	transfer point	15 percent	NSPS
conveyor 1 to conveyor 2	transfer point	10 percent	NSPS
conveyor 2 to conveyor 3	transfer point	10 percent	NSPS
conveyor 3 to conveyor 4	transfer point	10 percent	NSPS
conveyor 4 to surge hopper	transfer point	10 percent	NSPS
surge hopper to conveyor 5	transfer point	10 percent	NSPS
conveyor 5 to conveyor 8	transfer point	10 percent	NSPS
conveyor 5 to primary screen (S1)	transfer point	10 percent	NSPS
primary screen (S1)	screen	10 percent	NSPS
primary screen (S1) to conveyor 6	transfer point	10 percent	NSPS
conveyor 6 to conveyor 7	transfer point	10 percent	NSPS

Emissions Point	Equipment Type	Opacity Limit	Regulation Applicability
conveyor 7 to storage pile	transfer point	*	OAC 3745-31-05
primary screen (S1) to secondary crusher (C2)	transfer point	*	OAC 3745-31-05
secondary crusher (C2)	crusher	15 percent	NSPS
secondary crusher (C2) to conveyor 9	transfer point	15 percent	NSPS
conveyor 9 to conveyor 10	transfer point	10 percent	NSPS
conveyor 10 to tertiary crusher (C3)	transfer point	10 percent	NSPS
tertiary crusher (C3)	crusher	15 percent	NSPS
tertiary crusher (C3) to conveyor 11	transfer point	15 percent	NSPS
conveyor 11 to secondary screen (S2)	transfer point	10 percent	NSPS
conveyor 9 to conveyor 12	transfer point	10 percent	NSPS
conveyor 12 to secondary screen (S2)	transfer point	10 percent	NSPS
secondary screen (S2)	transfer point	10 percent	NSPS
secondary screen (S2) to conveyor 13	transfer point	10 percent	NSPS

Emissions Point	Equipment Type	Opacity Limit	Regulation Applicability
conveyor 13 to conveyor 14	transfer point	10 percent	NSPS
conveyor 14 to storage pile	transfer point	*	OAC 3745-31-05
secondary screen (S2) to conveyor 15	transfer point	10 percent	NSPS
conveyor 15 to conveyor 16	transfer point	10 percent	NSPS
conveyor 16 to storage pile	transfer point	*	OAC 3745-31-05
secondary screen (S2) to conveyor 17	transfer point	10 percent	NSPS
conveyor 17 to conveyor 18	transfer point	10 percent	NSPS
conveyor 18 to storage pile	transfer point	*	OAC 3745-31-05

* Visible particulate emissions from the truck dumping of nonmetallic minerals into the primary crusher feed hopper and the transfer of nonmetallic mineral from primary screen (S1) to secondary crusher (C2) and from conveyors to surge piles shall not exceed 20 percent opacity, as a three-minute average.

2. The permittee shall employ reasonably available control measures to minimize to eliminate visible emissions of fugitive dust from emissions unit F001. IF the inherent moisture in the stone is not sufficient to comply with the opacity restrictions of this permit, the permittee shall apply water, or any other suitable dust suppressant, at rates and frequencies sufficient to comply with all applicable opacity restriction.
3. There shall be no visible fugitive particulate matter emissions from any unpaved roadways or parking areas except for a period of time not to exceed 3 minutes during any 60-minute observation period. The permittee shall employ the following additional control measures for the roadways and parking areas, emissions unit F002, to comply with the mass emission limitations and opacity restrictions established by this permit:
 - a. Unpaved and parking areas:

- i. The permittee shall apply water, or any other suitable dust suppressant, to the unpaved roadways and parking areas to minimize or eliminate, at all times, visible emissions of fugitive dust generated by vehicular traffic. If water is used as the dust suppressant, the following equipment shall be used for its periodic application: transit mix-truck and/or hose/sprinkler system. The water shall be applied to unpaved surfaces, at a minimum, of once per day*. This term and condition shall be waived during wet conditions when there is sufficient moisture to prevent visible emissions of fugitive dust;
 - ii. Any material carried off of the permittee's property and deposited onto public streets by vehicular traffic or by erosion by water, etc., shall be promptly removed and disposed of properly to minimize or prevent resuspension;
 - iii. A maximum speed limit of 5 miles per hour shall be posted and enforced on the property; and,
 - iv. Open bodied vehicles transporting materials likely to become airborne shall be covered at all times.
- * The permittee may, upon receipt of written approval from the Ohio EPA, Northwest District Office, modify the above-mentioned application frequencies if operating experience indicates that less frequent applications would be sufficient to ensure compliance with the applicable visible emissions requirements.
4. There shall be no visible emissions of fugitive particulate matter from any material storage pile except for a period of time not to exceed 1 minute during any 60-minute observation period. The permittee shall employ the following additional control measures for the sand and aggregate storage piles, emissions unit F003, to comply with the mass emission limitations and opacity restrictions established by this permit:
 - a. all material storage piles shall periodically be sprayed with water, or any suitable dust suppressant, in order to minimize visible emissions of fugitive dust from wind erosion.

B. Operational Restrictions

1. The permittee shall not exceed 800,000 tons per year of aggregate processed in emissions unit F001. This restriction is based on the stone throughput of the primary crusher.
2. The permittee shall maintain at least 1.5 percent, by weight, moisture content in the aggregate processed by emissions unit F001.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the quantity of stone processed (in tons/month) through the primary crusher for emissions unit F001. For each month, the permittee shall also calculate the annual, year-to-date, amount of stone processed through the primary crusher for emissions unit F001.
2. The permittee shall maintain daily records which include the following information:
 - a. **for the facility**
 - i. notation of the days where snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned visible emissions limitations;
 - b. **for the unpaved roadways and parking areas**
 - i. the date water was applied to the unpaved surfaces;
 - ii. the portions of unpaved surfaces that were watered and the time(s) they were watered;
 - iii. the application rate of water (gallons per square yard); and,
 - iv. the name of the equipment operator responsible for the application of the water.
 - c. **for storage piles**
 - i. the date water was applied to the storage piles;
 - ii. the storage piles that were watered and the time (s) they were watered; and
 - iii. The name of the equipment operator responsible for the application of the water.
3. All records, as well as any supporting analysis, shall be retained in the company's files for a period of not less than five years and shall be made available to the Director or any authorized representative of the Director for review during normal business hours.

D. Reporting Requirements

1. The permittee shall submit annual deviation reports that identify any of the following occurrences:
 - a. Each day during which a control application requirement was not performed in accordance with the required frequency, excluding days which application was not performed due to an exemption for snow and/or ice cover or precipitation; and,
 - b. Exceedance of the operational restriction of 800,000 tons per year, for emissions unit F001.

The reports shall be submitted to the Ohio EPA Northwest District Office. IF no deviations occurred during the calendar year, the permittee shall submit an annual report, which states that no deviations occurred during that year. The reports shall be submitted by January 31 of each year and shall cover the previous calendar year. (These reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.) All reports are to be submitted to the Ohio EPA, Northwest District Office, Division of Air Pollution Control., 347 North Dunbridge Road, Bowling Green, Ohio 43402.

E. Compliance Methods/Testing Requirements

1. Compliance Methods Requirements

a. Compliance with the requirements in Sections A.1. through A.3 and the Air Emission Summary page of these Additional Special Terms and Conditions shall be determined in accordance with the following method (s):

i. **For Emissions Unit F001**

aa. **Emission Limitation**

1.63 TPY of PM₁₀ and 3.42 TPY of PM

Applicable Compliance Method

Use of AP-42, Table 11.19.2-2 and the annual production for the unit as recorded in Section C of these Additional Special Terms and Conditions.

ab. **Emission Limitation**

10 percent opacity for transfer points and screens.

Application Compliance Method

Method 9 of 40 CFR Part 60, Appendix A.

ac. **Emission Limitation**

15 percent opacity for primary crusher.

Application Compliance Method

Method 9 of 40 CFR Part 60, Appendix A.

ad. **Emission Limitation**

Truck dumping of nonmetallic minerals into the primary crusher feed hopper, the transfer of nonmetallic mineral from conveyors to surge piles - 20 percent opacity as a three-minute average.

Applicable Compliance Method

Method 9 of 40 CFR Part 60, Appendix A.

ii **For Emissions Unit F002**

aa. **Emission Limitation**

1.29 tons of fugitive particulate matter emissions per year from unpaved roadways and parking areas.

Applicable Compliance Method

Use of AP-42 emission factors, sections 13.2.1 and 13.2.2, respectively (revised January, 1995).

ab. **Emission Limitation**

No visible emissions from unpaved roadways except for a period of time not to exceed three minutes during any sixty minute observation period.

Application Compliance Method

Method 22 of 40 CFR Part 60, Appendix A.

iii. **For Emissions Unit F003**

aa. **Emission Limitation**

0.78 tons of fugitive particulate matter emissions per year from the storage piles.

Applicable Compliance Method

Use of AP-42 emission factors, sections 13.2.4 (revised January, 1995).

ab. **Emission Limitation**

No visible emissions except for a period of time not to exceed one minute during any sixty minute observation period.

Application Compliance Method

Method 22 of 40 CFR Part 60, Appendix A.

Note: No term or condition specifying a method for demonstrating compliance with any emission limitation or other requirement of this permit shall preclude the use by any person of any credible evidence to establish compliance with or a violation of this permit, the Clean Air Act, or any implementing regulations or rules promulgated thereunder.

2. **Testing Requirements**

- a. The permittee shall conduct, or have conducted, emission testing for emissions unit F001 in accordance with the following requirements:
 - i. The emissions testing shall be conducted between 60 and 180 days after the initial startup;
 - ii. The emission testing shall be conducted on all “affected facilities,” as defined in 40 CFR Part 60 Subpart OOO, to demonstrate compliance with the opacity restrictions contained in Condition A.1. above; and,
 - iii. The following test methods shall be employed to demonstrate compliance with the allowable opacity restrictions:
 - aa. Visible emissions of fugitive dust: Method 9 of 40 CFR Part 60, Appendix A and the procedures in 40 CFR Part 60.11, with the following additions:
 - aaa. The minimum distance between the observer and the emissions source shall be 4.57 meters (15 feet);
 - aab. The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed;
 - aac. The test shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA Northwest District Office;
 - aad. When determining compliance with the fugitive emissions standard

for any screening operation, belt conveyor, storage bin or enclosed truck loading station, the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute average) only if the following conditions apply:

- i. There are no individual readings greater than 10 percent opacity; and,
 - ii. There are no more than 3 readings of 10 percent for the 1-hour period;
- aae. When determining compliance with the 15 percent opacity restriction for the crusher, the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:
- i. There are no individual readings greater than 15 percent opacity; and,
 - ii. There are no more than 3 readings of 15 percent for the 1-hour period; and,
- aaf. When wet suppression is used for particulate control, a visible mist is sometimes generated by the spray. The water mist must not be confused with the particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.

Not later than 3 days prior to the proposed test date, the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Northwest District Office. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time and date of the test, and the person who will be conducting the test. Failure to submit such notification for review and approval prior to the test may result in the Ohio EPA Northwest District Office's refusal to accept the results of the emission test.

Personnel from the Ohio EPA Northwest District Office shall be permitted to witness the test, examine the testing equipment and acquire data and information necessary to ensure that the operation of the emissions units and the testing procedures provide a valid characterization of the emissions from the emissions units 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 (s) responsible for the tests and submitted to the Ohio EPA Northwest District Office within 30 days following completion of the test (s).

F. Miscellaneous Requirements

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None