

APS Premise No. 0684000207 -  
PTI Application No. 06-5498  
Fee Aggregate Plant - 700

Material Handling - 700

CENTRAL OFFICE USE ONLY Storage Piles - 200

Roadways - 200

Issuance Date: \_\_\_\_\_

Total \$ 1,800

Effective Date: \_\_\_\_\_

PERMIT TO INSTALL WORKSHEET

1. TYPE OF SOURCE: Check as applicable:

X AIR - Major Source? YES X NO - Was a New Source Review Data Yes X No Sheet (for modeling) submitted to APC for this source?

NSPS PSD CEM NESHAPS Emission Offsets  
Category \_\_\_\_\_ Category \_\_\_\_\_

WATER - Pertains to Sewers Waste Water Treatment Industrial Facility  
SOLID WASTE

HAZARDOUS WASTE DISPOSAL FACILITY - Is a HWFAB Permit required? YES NO

2. Check One: X APPROVAL DENIAL

3. FACILITY NAME: Chesterhill Stone Co. --Willow Island

4. APPLICANT/PERSON TO CONTACT: J. Mark Mollendick phone (740) 962-5621

5. MAILING ADDRESS: P. O. Box 599  
(City) McConnellsville (State) OH (Zip)  
43756

6. LOCATION OF PROPOSED SOURCE: Always complete b (city or township) and c (county).  
Specific

a. Street Address or Location Description St. Rt. & 4 miles north of Reno

b. City/Township Newport Twp.

c. County/Countries Washington

d. Sewer District, if applicable NA

7. DESCRIPTION OF PROPOSED SOURCE (Max. 120 Characters)

A	g	g	r	e	g	a	t	e	P	r	o	c	e	s	s	i	n	g	,	S	t	o	r	a	g	e	P	i	l	e	s	,	R	o	a	
d	w	a	y	s	a	n	d	P	a	r	k	i	n	g	A	r	e	a	s	,	a	n	d	M	a	t	e	r	i	a	l	H	a			
n	d	l	i	n	g																															

8. DATE COMPLETE APPLICATION RECEIVED: June 23, 1998

9. CONSTRUCTION STATUS: X Not Started Partially Completed Completed

10. DATE CONSTRUCTION TO BEGIN: 8/98

11. ESTIMATED COST OF WASTE TREATMENT FACILITY PROJECT: NA

NOTE: ATTACH INSTALLATION SCHEDULE TO THIS WORKSHEET FOR AIR POLLUTION SOURCES.

12. DO/LAA Engr. Review By: Zachary Hamlin Date June 26, 1998  
 13. Review Approved: \_\_\_\_\_ Date \_\_\_\_\_  
 14. D.O. Review as Required: \_\_\_\_\_ Date \_\_\_\_\_  
 15. Central Office Review: \_\_\_\_\_ Date \_\_\_\_\_  
 16. For any Combined Permits:

AIR REVIEW (DO/LAA) \_\_\_\_\_ Date \_\_\_\_\_  
 WASTE WATER REVIEW \_\_\_\_\_ Date \_\_\_\_\_  
 SOLID WASTE REVIEW \_\_\_\_\_ Date \_\_\_\_\_  
 HAZARDOUS WASTE REVIEW \_\_\_\_\_ Date \_\_\_\_\_

FOR DENIALS ONLY

RULES IN VIOLATION: \_\_\_\_\_

SPECIFIC REASONS FOR DENIAL: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

PERMIT TO INSTALL DISTRIBUTION SHEET  
 INDICATE BELOW TO WHOM COPIES ARE TO BE SENT

Applicant's Mailing Address	P E R M I T	R E P O R T	P E L A N S	DATA SHEETS
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Mr. J. Mark Mollendick				
PERSON TO CONTACT				
Chesterhill Stone Co. (Willow Island)	X			
APPLICANT				
P.O.Box 599 773 E State Route 60 NE				
STREET				
McConnelsville OH 43756				
CITY STATE ZIP				
Copy to:				
Copy to:				
Copy to:				
Local Air Agency_____				
District Office NEDO____ NWDO____ CDO____ SEDO__X__ SWDO____	X			
Central Office DAPC__X__ DWPC____ DLPC____ DHMM_____	X			

PTI NUMBER: 06-5498 FACILITY NAME: Chesterhill Stone Co. (Willow Island)

Preliminary \_\_\_\_\_ X Final

1. CONSTRUCTION STATUS (do not use with #2, 3A or 3B)  
source name:

2. NSPS REQUIREMENTS  
source #: source description : NSPS subpart:

3A. NESHAP REQUIREMENTS  
source #: source description : NESHAP reg:

3B. RADIONUCLIDES NESHAP REQUIREMENTS:  
source #: source description:

4. PERFORMANCE TEST REQUIREMENTS:

C. (optional) source:

Pollutant(s):

D. (optional) Test shall include a determination of the uncontrolled mass rate of emissions.

5. MONITORING REQUIREMENTS:

type of monitor:

source:

6. PSD REQUIREMENTS:

7. APPENDIX S - EMISSION OFFSET INTERPRETIVE RULING:

8. RECORDS RETENTION AND AVAILABILITY:

9. REPORTING REQUIREMENTS:

10. WASTE DISPOSAL:

11. MAINTENANCE OF EQUIPMENT:

12. MALFUNCTION/ABATEMENT:

13. AIR POLLUTION NUISANCES PROHIBITED:

14. NINETY DAY OPERATING PERIOD:

15. GASOLINE DISPENSING FACILITIES:

16. DIESEL AND/OR KEROSENE DISPENSING FACILITIES:

17. GASOLINE DISPENSING OPERATIONS (SUBMERGED FILL ONLY)

annual limit of throughput (gallons):

18. MISC. STORAGE TANKS:

19. NSPS SUBPART Kb, 40 CFR 60.116b (a) AND (b)

source number(s): tank size max vapor pressure

In Addition:

A. 40 CFR 60.116b (a) and (c):

source number(s): tank size max vapor pressure

B. 40 CFR 60.116b (a) and (d):

source number(s): tank size max vapor pressure

C. other applicable rules \_\_\_\_\_:

source number(s): tank size max vapor pressure

20. BAT FOR OPEN TOP VAPOR DEGREASERS:

21. BAT FOR COLD CLEANERS:

22. BAT FOR CONVEYORIZED DEGREASERS:

23. NOTICE OF INTENT TO RELOCATE:

24. ADDITIONAL TERMS AND CONDITIONS: \_\_\_\_\_ AIR \_\_\_\_\_ DSHWM \_\_\_\_\_ WW

AIR EMISSION SUMMARY

The air contaminant sources listed below comprise the Permit to Install for Chesterhill Stone Co. (Willow Island) located in Washington County. The sources 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.

Ohio EPA Source Number	Source Identification / Description	BAT Determination	Applicable Federal and OAC Rules	Permit Allowable Mass Emissions and/or Control & Usage Requirements
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F001	<b>75 TPH Portable Sand and Gravel Crusher and Screens</b>	<p>no visible particulate emissions</p> <p>best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.b through A.2.d)</p>	<p>3745-31-05</p> <p>3745-17-07 (B)(1)</p> <p>3745-17-08 (B)</p>	<p>no visible particulate emissions</p> <p>best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.b through A.2.d)</p> <p>less stringent than, or equal in stringency to, the above-mentioned visible emission limitation</p> <p>less stringent than, or equal in stringency to, the above-mentioned visible emission limitation</p> <p>0.96 Ton Per Year of PM10 emissions</p>
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F002	<p><b>Storage Piles</b> (sand and gravel)</p> <p>load-in and load-out of storage piles (see Section A.2.a for identification of storage piles)</p> <p>wind erosion from storage piles (see Section A.2.a for identification of storage piles)</p> <p>load-in and load-out of storage piles, and wind erosion from storage piles</p>	<p>no visible emissions except for one minute in any hour</p> <p>best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.b, A.2.c and A.2.f)</p> <p>no visible emissions except for one minute in any hour</p> <p>best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.d through A.2.f)</p>	<p>3745-31-05</p> <p>3745-31-05</p> <p>3745-17-07 (B)(6)</p> <p>3745-17-08 (B), (B)(6)</p>	<p>no visible emissions except for one minute in any hour</p> <p>best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.b, A.2.c and A.2.f)</p> <p>no visible emissions except for one minute in any hour</p> <p>best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.d through A.2.f)</p> <p>less stringent than the above-mentioned visible emission limitation</p> <p>less stringent than the above-mentioned visible emission limitation</p> <p>0.81 Ton Per Year of PM10 emissions</p>
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F003	<p><b>Plant Roadways and Parking Areas</b></p> <p>paved roadways and parking areas (see Section A.2.a)</p> <p>unpaved roadways and parking areas (see Section A.2.b)</p>	<p>no visible particulate emissions except for one minute during any 60-minute period</p> <p>best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.c, A.2.d, and A.2.f through A.2.j)</p> <p>no visible particulate emissions except for 3 minutes during any 60-minute period</p> <p>best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.e through A.2.j)</p>	<p>3745-31-05</p> <p>3745-17-07 (B)(4)</p> <p>3745-17-08 (B), (B)(8), (B)(9)</p> <p>3745-31-05</p> <p>3745-17-07 (B)(5)</p> <p>3745-17-08 (B), (B)(2)</p>	<p>no visible particulate emissions except for one minute during any 60-minute period</p> <p>best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.c, A.2.d, and A.2.f through A.2.j)</p> <p>less stringent than the above-mentioned visible emission limitation</p> <p>less stringent than the above-mentioned visible emission limitation</p> <p>no visible particulate emissions except for 3 minutes during any 60-minute period</p> <p>best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.e through A.2.j)</p> <p>less stringent than the above-mentioned visible emission limitation</p> <p>less stringent than the above-mentioned visible emission limitation</p> <p>0.52 Ton Per Year of PM10 emissions</p>
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F004	<b>Material Handling</b> (sand and gravel)	no visible particulate emissions  best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.b through A.2.d)	3745-31-05  3745-17-07 (B)(1)  3745-17-08 (B)	no visible particulate emissions  best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.b through A.2.d)  less stringent than, or equal in stringency to, the above-mentioned visible emission limitation  less stringent than, or equal in stringency to, the above-mentioned visible emission limitation  0.64 Ton Per Year of PM10 emissions
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SUMMARY  
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Pollutant	Tons/Year
PM10	2.93

ADDITIONAL TERMS and CONDITIONS

**F001 75 TPH Portable Sand and Gravel Crusher and Screens**

**2. Additional Terms and Conditions**

- 2.a The Crushing and Screening operation(s) that are covered by this permit and subject to the above-mentioned requirements are listed below:

75 TPH Portable Sand and Gravel Crusher and Screens

- 2.b The permittee shall employ best available control measures for the above-identified crushing and screening operation(s) for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to perform the following control measure(s) to ensure compliance:

material handling operation(s)

control measure(s)

75 TPH Portable Sand and Gravel Crusher and Screens

material shall be

wet

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.c For each crushing and screening operation that is not adequately enclosed, the above-identified control measure(s) shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material handling operation(s) until further observation confirms that use of the control measure(s) is unnecessary.
- 2.d Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rules 3745-17-08 and 3745-31-05.

**B. Operational Restrictions**

None

### C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, for crushing and screening operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

<u>crushing and screening operation(s)</u>	<u>minimum inspection frequency</u>
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75 TPH Portable Sand and Gravel Crusher and Screens	Daily
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2. The above-mentioned inspections shall be performed during representative, normal operating conditions.
3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
4. The permittee shall maintain records of the following information:
  - a. the date and reason any required inspection was not performed;
  - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);
  - c. the dates the control measure(s) was (were) implemented; and
  - d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in 4.d. shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

### D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
  - a. each day during which an inspection was not performed by the required frequency; and
  - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
3. The permittee shall submit a "Notice of Intent to Relocate a Portable or Mobile Source" form 30 days prior to any planned relocation of this emissions unit (a copy of the form is attached to this permit.) Approval of the planned relocation must be obtained from the Ohio EPA Southeast District Office prior to the relocation.

following In accordance with OAC rule 3745- 31-05 (F), the applicant must demonstrate that the criteria have been met:

- permit to
- a. the portable source owner or operator possesses an Ohio EPA permit to install, operate or registration status;
  - b. the portable source is equipped with best available technology;
  - c. the portable source owner has identified the proposed site to Ohio EPA;
  - d. the Ohio EPA has determined that the portable source, at the proposed site, will have an acceptable environmental impact;
  - e. a public notice, consistent with Chapter 3745-47 of the Administrative Code, is published in the county where the proposed site is located;
  - f. the owner of the proposed site has provided the portable source owner with approval or to this equivalent declaration that it is acceptable to the site owner to move the portable source proposed site; and
  - g. the portable source owner has provided Ohio EPA with fifteen days written notice of the relocation.

are Any site approvals issued by Ohio EPA shall be valid for no longer than three years and subject to renewal.

add or The Director may modify the site approval to add or delete certain portable sources or delete certain terms and conditions as appropriate.

#### **E. Testing Requirements**

1. Compliance with the visible emission limitation for the material handling operation(s) identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40CFR, Part 60 ("Standards of Performance for New Stationary Sources").

#### **F. Miscellaneous Requirements**

None

## ADDITIONAL TERMS and CONDITIONS

### **F002 Storage Piles**

#### **A. Additional Terms and Conditions**

- 2.a The storage piles that are covered by this permit and subject to the above-mentioned requirements are listed below:

Gravel storage piles  
Sand storage piles

- 2.b The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the load-in and load-out materials with water to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.c The above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.
- 2.d The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat each storage pile as needed to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.e The above-mentioned control measure(s) shall be employed for wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measure(s) shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
- 2.f Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rules 3745-17-08 and 3745-31-05.

#### **B. Operational Restrictions**

None

### C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

<u>storage pile identification</u>	<u>minimum load-in inspection frequency</u>
ALL	DAILY

2. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

<u>storage pile identification</u>	<u>minimum load-out inspection frequency</u>
ALL	DAILY

3. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

<u>storage pile identification</u>	<u>minimum wind erosion inspection frequency</u>
ALL	DAILY

4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.
5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
6. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
7. The permittee shall maintain records of the following information:
  - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;

- b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
- c. the dates the control measures were implemented; and
- d. on a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

The information required in 7.d. shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

#### **D. Reporting Requirements**

- 1. The permittee shall submit deviation reports that identify any of the following occurrences:
  - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
  - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
- 2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

#### **E. Testing Requirements**

- 1. Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 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, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

#### **F. Miscellaneous Requirements**

None

## ADDITIONAL TERMS and CONDITIONS

### **F003 Roadways and Parking Areas**

#### **A. Additional Terms and Conditions**

- 2.a The paved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

paved roadways:

Plant to State Route 7 (0.9 miles)

paved parking areas:

None

- 2.b The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

unpaved roadways:

Pit to Plant (1.0 mile)

Plant to State Route 7 (1.0 mile)

unpaved parking areas:

Office Parking

- 2.c The permittee shall employ best available control measures on all paved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the paved roadways and parking areas by flushing with water at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.d The permittee shall employ best available control measures on the unpaved shoulders of all paved roadways for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved shoulders of all paved roadways with water at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.e The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the

permittee has committed to treat the unpaved roadways and parking areas with water and/or any other suitable dust suppression chemicals at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.f The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for a paved or unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- 2.g Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled with the control measure(s) specified above for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to the visible emission limitation for paved roadways and parking areas.
- 2.h The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- 2.i Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- 2.j Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.

## B. Operational Restrictions

None

## C. Monitoring and/or Recordkeeping Requirements

- 1. Except as otherwise provided in this section, the permittee shall perform inspections of the roadways and parking areas in accordance with the following frequencies:

<u>paved roadways and parking areas</u>	<u>minimum inspection frequency</u>
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ALL

DAILY

<u>unpaved roadways and parking areas</u>	<u>minimum inspection frequency</u>
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ALL

DAILY

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

4. The permittee shall maintain records of the following information:

- a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
- b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
- c. the dates the control measures were implemented; and
- d. on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in 4.d. shall be kept separately for (i) the paved roadways and parking areas and (ii) the unpaved roadways and parking areas, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

#### **D. Reporting Requirements**

1. The permittee shall submit deviation reports that identify any of the following occurrences:

- a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
- b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

#### **E. Testing Requirements**

1. Compliance with the emission limitation for the paved and unpaved roadways and parking areas identified above shall be determined in accordance with Test Method 22 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, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

**F. Miscellaneous Requirements**

None

**ADDITIONAL TERMS and CONDITIONS**

**F004 Material Handling**

**A. Additional Terms and Conditions**

2.a The material handling operation(s) that are covered by this permit and subject to the above-mentioned requirements are listed below:

Load-in by radial stacker of sand and gravel

Load-out by front end loader

2.b The permittee shall employ best available control measures for the above-identified material handling operation(s) for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to perform the following control measure(s) to ensure compliance:

material handling operation(s)

control measure(s)

Load-in by radial stacker of sand and gravel

material shall be wet

Load-out by front end loader

treat each sand storage pile with water needed to control dust emissions subsequent sand and gravel truck loading operations by loader, and minimize drop from front-end loader to

as during handling and front-end height distance truck bed

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.c For each material handling operation that is not adequately enclosed, the above-identified control measure(s) shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material handling operation(s) until further observation confirms that use of the control measure(s) is unnecessary.

- 2.d Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rules 3745-17-08 and 3745-31-05.

**B. Operational Restrictions**

None

**C. Monitoring and/or Recordkeeping Requirements**

1. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

<u>material handling operation(s)</u>	<u>minimum inspection frequency</u>
Load-in and Load-out	Daily

2. The above-mentioned inspections shall be performed during representative, normal operating conditions.
3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
4. The permittee shall maintain records of the following information:
- a. the date and reason any required inspection was not performed;
  - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);
  - c. the dates the control measure(s) was (were) implemented; and
  - d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

The information in 4.d. shall be kept separately for each material handling operation identified above, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

**D. Reporting Requirements**

1. The permittee shall submit deviation reports that identify any of the following occurrences:
- a. each day during which an inspection was not performed by the required frequency; and
  - b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

## **E. Testing Requirements**

### **F001**

#### Emission Limitation

no visible particulate emissions

#### Applicable Compliance Method

Compliance with the visible emission limitation for the material handling operation(s) identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40CFR, Part 60 ("Standards of Performance for New Stationary Sources").

#### Emission Limitation

0.96 Ton Per Year of PM10 emissions

#### Applicable Compliance Method

The 0.96 Ton Per Year limit was established based upon emission calculations using AP-42 emission factors.

### **FOO2**

#### Emission Limitation

no visible emissions except for one minute in any hour

#### Applicable Compliance Method

Compliance with the visible emission limitations for the storage piles identified above shall be determined in accordance with Test Method 22 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, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

#### Emission Limitation

0.81 Ton Per Year of PM10 emissions

#### Applicable Compliance Method

The 0.81 Ton Per Year limit was established based upon emission calculations using AP-42 emission factors.

### **FOO3**

#### Emission Limitation

paved roadways and parking areas - no visible particulate emissions except for one minute during any 60-minute period

unpaved roadways and parking areas - no visible particulate emissions except for three minutes during any 60-minute period

Applicable Compliance Method

Compliance with the emission limitation for the paved and unpaved roadways and parking areas identified above shall be determined in accordance with Test Method 22 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, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

Emission Limitation

0.52 Ton Per Year of PM10 emissions

Applicable Compliance Method

The 0.52 Ton Per Year limit was established based upon emission calculations using AP-42 emission factors.

**FOO4**

Emission Limitation

no visible particulate emissions

Applicable Compliance Method

Compliance with the visible emission limitation for the material handling operation(s) identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40CFR, Part 60 ("Standards of Performance for New Stationary Sources").

Emission Limitation

0.64 Ton Per Year of PM10 emissions

Applicable Compliance Method

The 0.52 Ton Per Year limit was established based upon emission calculations using AP-42 emission factors.

**F. Miscellaneous Requirements**

None

# NEW SOURCE REVIEW FORM B

**PTI NO.:** 06-5498

**PREMISE NO.:** 0684000207

**FACILITY NAME:** Chesterhill Stone

**COUNTY:** Washington

**FACILITY DESCRIPTION:** 75 TPH Sand and Gravel Plant

**CITY/TWP.:** Newport Twp.

**SIC CODE:** 1442

**SCC CODE:** 3-05-025-070 Storage Piles

3-05-025-03 Material Transfer and Conveying 3-05-025-10 Crushing 3-05-025-11 Screening  
3-05-010-99 Haul Roads in General

**SOURCE DESCRIPTION:** 75 TPH Sand and Gravel Plant

**START-UP DATE:** 8/98

**EMISSIONS:**

<i>Pollutants</i>	<i>Air Quality Designation</i>	<i>Actual Emissions</i>		<i>PTI Allowable Emissions</i>	
		<i>lb/hr. etc.</i>	<i>TPY</i>	<i>lb/hr. etc.</i>	<i>TPY</i>
<i>Particulate Matter</i>					
<i>PM<sub>10</sub></i>	Attainment		2.9		2.9
<i>Sulfur Dioxide</i>					
<i>Organic Compounds</i>	Attainment				
<i>Nitrogen Oxides</i>	Attainment				
<i>Carbon Monoxide</i>	Attainment				
<i>Lead</i>	Attainment				
<i>Other: Air Toxics (see below)</i>	Unclassified				

**APPLICABLE FEDERAL RULES:**  NSPS  NESHAP  PSD  OFFSET POLICY

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

OAC 3745-17-07, 17-08

This facility is not subject to NSPS Subpart OOO - facility is portable, and PWR is less than 150 TPH

**OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT:** N/A

**IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY?**  Yes  No

(If yes, complete "Toxic Air Contaminants" section)

**NAME OF PERSON COMPLETING FORM AND DATE:** Zachary Hamlin June 26, 1998

### 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.*

**WAS AIR TOXICS MODELING PERFORMED?**  YES  NO

(IF YES, ATTACH MODELING RESULTS; IF NO, ATTACH NEW SOURCE CODING FORM)

**IDENTIFY AIR CONTAMINANTS:**

For sources with source numbers such as B9XX, N9XX or P9XX, this form should be completed for all of the fugitive dust emission sources associated with the stack source (fuel-burning equipment, incinerator or process equipment) and should be attached to the appropriate engineering review form for such stack source.

1. **Facility name:** Chesterhill Stone
2. **Facility location (city or township):** Newport Twp.
3. **Permit application number:** PTI # 06-5498

4.	5.	6.	7.	8.
<b>Fugitive Dust Source Description</b>	<b>Applicable Section from Paragraph (B) of OAC Rule 3745-17-08 (i.e., (B)(1), (B)(2) . . .)</b>	<b>Existing (or Scheduled Via Item (12)) Fugitive Dust Control Measure(s)</b>	<b>RACM from Guideline Document</b>	<b>Allowable Emission Limitation (if any)*</b>
F001 - F004	3745-31-05		see STC's	see STC's

9. **Stack test and/or visible emission information for comparison to item (8), if applicable:**

<i>Month/year of test</i>	<i>Max. 6-min avg. V.E.</i>	<i>Source capacity during test (units)</i>
>		
>		
>		

10. **In compliance with visible emission rule (if fugitive dust emission source is captured by a control device with a stack discharge? Yes or No:**

11. **Current permit status:**PTI pending  
**Expiration date:**

12. **If any of the above fugitive dust emission sources are currently on a compliance schedule to implement RACM, complete the following and list the RACM in item (6):**

<i>Fugitive Dust Emission Source Description</i>	<i>Final Milestone Date from Compliance Schedule</i>	<i>Final Applicable Milestone Date From OAC Rule 3745-17-04</i>
>		
>		
>		
>		

13. **Comments/calculations/diagrams:**  
 > 2.9 tons per year per application  
 >  
 >

14. **Name of person completing form and date:** Zachary Hamlin June 26, 1998

\*Some sample entries are as follows: 0.030 gr/dsef, no VE's, minimize or eliminate VE's, etc.