



State of Ohio Environmental Protection Agency

Street Address:

Lazarus Gov. Center  
122 S. Front Street  
Columbus, OH 43215

TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center  
P.O. Box 1049  
Columbus, OH 43216-1049

**RE: FINAL PERMIT TO INSTALL  
BUTLER COUNTY  
Application No: 14-05707  
Fac ID: 1409950970**

**CERTIFIED MAIL**

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

**DATE: 6/30/2005**

SK Construction Co  
Dan Smith  
2514 AtcoAvenue; PO Box 44930  
Middletown, OH 45044-0930

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action 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

HCDES



Permit To Install  
Terms and Conditions

Issue Date: 6/30/2005  
Effective Date: 6/30/2005

**FINAL PERMIT TO INSTALL 14-05707**

Application Number: 14-05707  
Facility ID: 1409950970  
Permit Fee: **\$2900**  
Name of Facility: SK Construction Co  
Person to Contact: Dan Smith  
Address: 2514 Atco Avenue; PO Box 44930  
Middletown, OH 45044-0930

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**2514 Atco Avenue PO Box 44930  
Middletown, Ohio**

Description of proposed emissions unit(s):  
**400 TPH portable crusher and screen.**

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

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 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)**

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions

and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

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

**10. Public Disclosure**

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

**11. Applicability**

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

**12. Best Available Technology**

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

**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**

<b><u>Pollutant</u></b>	<b><u>Tons Per Year</u></b>
PM	16.6
PM-10	10.7

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. Applicable Emissions Limitations and/or Control Requirements**

- The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F001 - 400 TPH Portable Crusher and Screen - Crushing, Screening, Conveyor transfer point, Truck unloading and Truck loading	OAC rule 3745-31-05(A)(3)	<p>From crushing, Particulate emissions (PE) shall not exceed 0.48 lb/hr and 2.1 TPY PM; and Particulate matter 10 microns and less (PM-10) emissions shall not exceed 0.22 lb/hr and 0.96 TPY.</p> <p>From screening, PE shall not exceed 0.88 lb/hr and 3.85 TPY PM; and PM10 emissions shall not exceed 0.3 lb/hr and 1.3 TPY.</p> <p>From conveying, Particulate emissions shall not exceed 0.06 lb/hr and 0.25 TPY PM; and PM10 emissions shall not exceed 0.002 lb/hr and 0.01 TPY.</p> <p>From truck unloading, PE shall not exceed 0.001 lb/hr and 0.006 TPY PM; and PM10 emissions shall not exceed 0.001 lb/hr and 0.003 TPY.</p> <p>From truck loading, PE shall not exceed 0.08 lb/hr and 0.35 TPY PM; and PM10 emissions shall not exceed 0.04 lb/hr and 0.18 TPY.</p> <p>See term and condition A.2.a.</p> <p>The requirements of this rule also include compliance with the requirements of 40 CFR Part 60,</p>

40 CFR Part 60, Subpart OOO	Subpart OOO and OAC rule 3745-17-07(B)(1). See terms and conditions A.2.c. through A.2.f.
OAC rule 3745-17-07(B)(1)	See term and condition A.2.b
OAC rule 3745-17-08(B)	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. Additional Terms and Conditions

- 2.a** The aggregate or material loaded into bins shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the conveyor and transfer point to bins.
- 2.b** Unless otherwise specified, fugitive visible particulate emissions from any operation associated with emissions unit F001 shall not exceed twenty percent opacity as a three-minute average.
- 2.c** Fugitive particulate emissions from any transfer point on belt conveyors and from any other emissions point (excluding crushers and truck dumping) where process materials are not saturated, shall not exceed 10% opacity, except as provided by rule 40 CFR 60.672.
- 2.d** Fugitive particulate emissions from any crusher shall not exceed 15% opacity.
- 2.e** Fugitive particulate emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin shall not exceed 0% opacity.
- 2.f** Fugitive particulate emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line shall not exceed 0% opacity.
- 2.g** The hourly and annual emissions limitations are based upon the emissions unit's Potential to Emit. Therefore, no hourly and annual records are required to demonstrate compliance with these limits.

- 2.h** The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.
- 2.i** Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of water sprays, and compliance with the opacity limitations and emissions limitations.

**B. Operational Restrictions**

- 1. Water sprays shall be operated at points necessary to ensure compliance with the visible emission limitations specified in terms A.2.b and A.2.c for crushing and screening operations.
- 2. Aggregate product loaded onto trucks shall have a moisture content sufficient to minimize visible emissions of fugitive dust and the loading drop height shall not exceed fifteen (15) feet.

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

None.

**D. Reporting Requirements**

- 1. A screening operation, bucket elevator, or belt conveyor that processes saturated material and is subject to 40 CFR 60.672(h) and subsequently processes unsaturated material shall submit a report of this change within 30 days following such change to the Hamilton County Department of Environmental Services. This screening operation, bucket elevator, or belt conveyor is then subject to the 10% opacity limit in 40 CFR 60.672(b) and the emission test requirements of 40 CFR 60.11 and 60.675. A screening operation, bucket elevator, or belt conveyor that processes unsaturated material but subsequently processes saturated material shall submit a report of this change within 30 days following such change. This screening operation, bucket elevator, or belt conveyor is then subject to the no visible emission limit in 40 CFR 60.672(h).
- 2. 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 - Permit Management Unit  
P.O. Box 163669  
Columbus, OH 43216-3669

and

Hamilton County Department of Environmental Services  
250 Wm. Howard Taft Road  
Cincinnati, OH 45219

**E. Testing Requirements**

1. Compliance with the emission limitations in Section A. of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitations

0.48 lb/hr; 2.1 TPY PM	Crusher
0.22 lb/hr; 0.96 TPY PM10	Crusher
0.88 lb/hr; 3.85 TPY PM	Screen
0.30 lb/hr; 1.3 TPY PM10	Screen
0.06 lb/hr; 0.25 TPY PM	Conveyor transfer point
0.002 lb/hr; 0.01 TPY PM10	Conveyor transfer point
0.001 lb/hr; 0.006 TPY PM	Truck unloading
0.001 lb/hr; 0.003 TPY PM10	Truck unloading
0.08 lb/hr; 0.35 TPY PM	Truck loading
0.04 lb/hr; 0.18TPY PM10	Truck loading

Applicable Compliance Method

Compliance with the particulate emissions limitations in term and condition A.1. shall be determined in a calculation using the applicable emission factors from AP-42, Fifth Edition, Chapter 11.19, Aggregate Processing (August 2004), multiplied by the maximum process rate in tons material per hour and tons material per year as provided in PTI application 14-05707 submitted on April 5, 2005.

b. Emissions Limitations

Unless otherwise specified, fugitive visible particulate emissions from any operation associated with emissions unit F001 shall not exceed twenty percent opacity as a three-minute average, except as specified by rule.

Applicable Compliance Method

Compliance 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.

- c. Compliance with the opacity limitations in terms and conditions A.2.c. through A.2.f. 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.")
2. The permittee shall conduct, or have conducted, fugitive visible particulate emission testing for emissions unit F001 in accordance with the following requirements:
    - a. The emission testing shall be conducted within 60 days after achieving maximum production but no later than 180 days after initial startup.
    - b. Compliance with the opacity limits of this permit shall be determined by using US EPA Reference Test Method 9 (40 CFR Part 60). The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).

The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, 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.

The permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards in 40 CFR 60.672 of Subpart OOO, including reports of observations using Method 9 to demonstrate compliance with section A.2.a. through A.2.f. of this permit.

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).

**F. Miscellaneous Requirements**

1. Notice to Relocate a Portable Source

- a. Pursuant to OAC rule 3745-31-03(A)(1)(p)(i), the permittee may relocate a portable emissions unit within the State of Ohio without first obtaining a permit to install (PTI) provided the following criteria are met. The portable emissions unit shall meet one of the two following scenarios in order to qualify for this PTI exemption for the new location:
  - i. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
  - ii. the portable emissions unit is operating pursuant to a currently effective permit to install (PTI), operate (PTO) or registration status;
  - iii. the permittee has provided proper notice of intent to relocate the portable emissions unit to Ohio EPA within a minimum of 30 days prior to the scheduled relocation; and
  - iv. in Ohio EPA's judgment, the proposed site is acceptable under OAC rule 3745-15-07.
  
- b. In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee may relocate the portable emissions unit within the State of Ohio without first obtaining a PTI provided the following criteria of OAC rule 3745-31-05(F) are met:
  - i. the permittee possesses an Ohio EPA PTI, PTO or registration status for the portable emissions unit;
  - ii. the portable emissions unit is equipped with best available technology;
  - iii. the permittee has identified the proposed site to Ohio EPA;
  - iv. Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;
  - v. a public notice, consistent with OAC Chapter 3745-47, is published in the county where the proposed site is located;
  - vi. the owner of the proposed site has provided the permittee with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to this proposed site; and

- vii. the permittee has provided Ohio EPA with 15 days written notice of the relocation.
2. Any site approval issued by Ohio EPA, pursuant to F.1 above, shall be valid for no longer than 3 years and is subject to renewal.

In order for the Hamilton County Department of Environmental Services and the appropriate Ohio EPA field office having jurisdiction over the new site to determine compliance with all of the above criteria, the permittee shall file a "Notice of Intent to Relocate," within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the Hamilton County Department of Environmental Services (250 William Howard Taft Road, Cincinnati, OH 45219) and the appropriate Ohio EPA field office having jurisdiction over the new site.

Upon receipt of the notice, the Hamilton County Department of Environmental Services and/or appropriate Ohio EPA field office having jurisdiction over the new site will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive Ohio EPA approval prior to relocation of the emissions unit may result in civil penalties.

Pursuant to OAC rule 3745-31-05(F), the Director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F002 - Load-in and load-out of aggregate storage piles, and wind erosion from storage piles	OAC rule 3745-31-05 (A)(3)	<p>Particulate emissions (PE) shall not exceed 10.02 TPY PM; and Particulate matter 10 microns and less (PM-10) emissions shall not exceed 8.27 TPY.</p> <p>No visible particulate emissions, except for one minute, during any 60 minute observation period.</p> <p>Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see terms and conditions A.2.b - A.2.d)</p>
	OAC rule 3745-17-07(B)(6)	<p>The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).</p>
	OAC rule 3745-17-08(B)	<p>The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).</p>

2. **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:

All

- 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 minimizing drop heights to ensure compliance. The material shall maintained in a moist condition 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 shall maintain a low pile height or maintain the material's moisture content to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.e** Compliance with the emissions and opacity limitations, and 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 rule 3745-31-05(A)(3).

**B. Operational Restrictions**

None

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

- 1. Except as otherwise provided in this section, the permittee shall perform weekly inspections of each load-in and load-out operation.
- 2. The permittee may, upon receipt of written approval from the Hamilton County Department of Environmental Services, 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.
- 3. 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 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.

The information required in term and condition C.3.d shall be kept separately for the load-in operations and the load-out operations 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 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(s) in term and condition A.1 shall be determined in accordance with the following method(s):

Emission Limitation:

No visible particulate emissions, except for a total of one minute, during any 60 minute observation period.

Applicable Compliance Method:

If required, compliance 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, 2002.

2. Emission Limitation:

10.02 TPY PM and 8.27 TPY PM-10

Applicable Compliance Method:

Emissions shall be calculated and compliance determined by using the following equations:

$$\text{tons PM/yr} = [(A) * (C) * (D) * 0.0005] + [(E) * (G) * (H) * (I) * 0.0005]$$
$$\text{tons PM10/yr} = [(B) * (C) * (D) * 0.0005] + [(F) * (G) * (H) * (I) * 0.0005]$$

where,

**SK Construction Co**  
**PTI Application: 14-05707**  
**Issued: 6/30/2005**

**Facility ID: 1409950970**  
**Emissions Unit ID: F002**

- A = PM emission factor for storage pile load-in and load-out, pounds per ton of material handled, calculated from AP-42, Section 13.2.4, (January, 1995).
- B = PM10 emission factor for storage pile load-in and load-out, pounds per ton of material handled, calculated from AP-42, Section 13.2.4, (January, 1995).
- C = Total annual tons material handled
- D = Total control efficiency of 50 percent, expressed as a decimal, from minimizing drop height.
- E = PM emission factor for storage pile wind erosion, pounds per day-acre (lb/day\*acre), calculated from AP-42, Section 13.2.5, (January, 1995).
- F = PM10 emission factor for storage pile wind erosion, pounds per day-acre (lb/day\*acre), calculated from AP-42, Section 13.2.5, (January, 1995).
- G = Total annual days operated.
- H = Total surface area of storage piles, acres.
- I = Total control efficiency of 50 percent, expressed as a decimal.

**F. Miscellaneous Requirements**

None.