Ohio Environmental Protection Agency
John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

Certified Mail

9/6/2011

SANTINA MILCZEWSKI
TECH READY MIX
8100 Grand Ave
Ste 400
Cleveland, OH 44104

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
No	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED
No	SYNTHETIC MINOR TO AVOID TITLE V
No	FEDERALLY ENFORCABLE PTIO (FEPTIO)
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 1318008192
Permit Number: P0108437
Permit Type: Renewal
County: Cuyahoga

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install and Operate (PTIO) which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully. Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

The issuance of this PTI is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of $70.00, made payable to “Ohio Treasurer Josh Mandel," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General’s Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

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

If you have any questions, please contact Cleveland Division of Air Quality at (216)664-2297or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. This permit can be accessed electronically on the DAPCWeb page,www.epa.ohio.gov/dapc, by clicking the "Issued Air Pollution Control Permits" link.

Sincerely,

Michael W. Ahern

Michael W. Ahern, Manager
Permit Issuance and Data Management Section, DAPC

Cc: CDAQ

Ohio | Environmental Protection Agency

FINAL

Division of Air Pollution Control
Permit-to-Install and Operate
for
TECH READY MIX

Facility ID:	1318008192
Permit Number:	P0108437
Permit Type:	Renewal
Issued:	9/6/2011
Effective:	9/6/2011
Expiration:	9/6/2021

Ohio Environmental Protection Agency

Division of Air Pollution Control
Permit-to-Install and Operate
for
TECH READY MIX

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Authorization

Facility ID: 1318008192
Application Number(s): A0026458
Permit Number: P0108437
Permit Description: Renewal Permit for a 594 ton/hour capacity concrete batch plant. Original PTI #13-03530 issued June 3, 1999 and modified July 6, 2006.
Permit Type: Renewal
Permit Fee: $0.00
Issue Date: 9/6/2011
Effective Date: 9/6/2011
Expiration Date: 9/6/2021
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

TECH READY MIX
5000 CRAYTON AVE
Cleveland, OH 44101

of a Permit-to-Install and Operate for the emissions unit(s) identified on the following page.

Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Cleveland Division of Air Quality
2nd Floor
75 Erieview Plaza
Cleveland, OH 44114
(216)664-2297

The above named entity is hereby granted this Permit-to-Install and Operate for the air contaminant source(s) (emissions unit(s))listed in this section 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 described emissions unit(s) will operate in compliance with applicable State and federal laws and regulations.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Scott J. Nally
Director

Authorization (continued)

Permit Number: P0108437
Permit Description: Renewal Permit for a 594 ton/hour capacity concrete batch plant. Original PTI #13-03530 issued June 3, 1999 and modified July 6, 2006.

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

Emissions Unit ID:	**P001**
Company Equipment ID:	Ready Mix Concrete Batch Plant
Superseded Permit Number:	13-03530
General Permit Category and Type:	Not Applicable

A. Standard Terms and Conditions

1. What does this permit-to-install and operate ("PTIO") allow me to do?

This permit allows you to install and operate the emissions unit(s) identified in this PTIO. You must install and operate the unit(s) in accordance with the application you submitted and all the terms and conditions contained in this PTIO, including emission limits and those terms that ensure compliance with the emission limits (for example, operating, recordkeeping and monitoring requirements).

2. Who is responsible for complying with this permit?

The person identified on the "Authorization" page, above, is responsible for complying with this permit until the permit is revoked, terminated, or transferred. "Person" means a person, firm, corporation, association, or partnership. The words "you," "your," or "permittee" refer to the "person" identified on the "Authorization" page above.

The permit applies only to the emissions unit(s) identified in the permit. If you install or modify any other equipment that requires an air permit, you must apply for an additional PTIO(s) for these sources.

3. What records must I keep under this permit?

You must keep all records required by this permit, including monitoring data, test results, strip-chart recordings, calibration data, maintenance records, and any other record required by this permit for five years from the date the record was created. You can keep these records electronically, provided they can be made available to Ohio EPA during an inspection at the facility. Failure to make requested records available to Ohio EPA upon request is a violation of this permit requirement.

4. What are my permit fees and when do I pay them?

There are two fees associated with permitted air contaminant sources in Ohio:

- PTIO fee. This one-time fee is based on a fee schedule in accordance with Ohio Revised Code (ORC) section 3745.11, or based on a time and materials charge for permit application review and permit processing if required by the Director.

  You will be sent an invoice for this fee after you receive this PTIO and payment is due within 30 days of the invoice date. You are required to pay the fee for this PTIO even if you do not install or modify your operations as authorized by this permit.

- Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. Unless otherwise specified, facilities subject to one or more synthetic minor restrictions must use Ohio EPA's "Air Services" to submit annual emissions associated with this permit requirement.Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

5. When does my PTIO expire, and when do I need to submit my renewal application?

This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is

very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.

If a complete renewal application is submitted before the expiration date, Ohio EPA considers this a timely application for purposes of ORC section 119.06, and you are authorized to continue operating the emissions unit(s) covered by this permit beyond the expiration date of this permit until final action is takenby Ohio EPA on the renewal application.

6. What happens to this permit if my project is delayed or I do not install or modify my source?

This PTIO expires 18 months after the issue date identified on the "Authorization" page above unless otherwise specified if you have not (1) started constructing the new or modified emission sources identified in this permit, or (2) entered into a binding contract to undertake such construction. This deadline can be extended by up to 12 months, provided you apply to Ohio EPA for this extension within a reasonable time before the 18-month period has ended and you can show good cause for any such extension.

7. What reports must I submit under this permit?

An annual permit evaluation report (PER) is required in addition to any malfunction reporting required by OAC rule 3745-15-06 or other specific rule-based reporting requirement identified in this permit. Your PER due date is identified in the Authorization section of this permit.

8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit?

If you are required to obtain a Title V permit under OAC Chapter 3745-77 in the future, the permit-to-operate portion of this permit will be superseded by the issued Title V permit. From the effective date of the Title V permit forward, this PTIO will effectively become a PTI (permit-to-install) in accordance with OAC rule 3745-31-02(B). The following terms and conditions will no longer be applicable after issuance of the Title V permit: Section B, Term 1.b) and Section C, for each emissions unit, Term a)(2).

The PER requirements in this permit remain effective until the date the Title V permit is issued and is effective, and cease to apply after the effective date of the Title V permit. The final PER obligation will cover operations up to the effective date of the Title V permit and must be submitted on or before the submission deadline identified in this permit on the last day prior to the effective date of the Title V permit.

9. What are my obligations when I perform scheduled maintenance on air pollution control equipment?

You must perform scheduled maintenance of air pollution control equipment in accordance with OAC rule 3745-15-06(A). If scheduled maintenance requires shutting down or bypassing any air pollution control equipment, you must also shut down the emissions unit(s) served by the air pollution control equipment during maintenance, unless the conditions of OAC rule 3745-15-06(A)(3) are met. Any emissions that exceed permitted amount(s) under this permit (unless specifically exempted by rule) must be reported as deviations in the annual permit evaluation report (PER), including nonexempt excess emissions that occur during approved scheduled maintenance.

10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report?

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the Cleveland Division of Air Quality in accordance with OAC rule 3745-15-06(B). Malfunctions that must be reported are those that result in emissions that exceed permitted emission levels. It is your responsibility to evaluate control equipment breakdowns and operational upsets to determine if a reportable malfunction has occurred.

If you have a malfunction, but determine that it is not a reportable malfunction under OAC rule 3745-15-06(B), it is recommended that you maintain records associated with control equipment breakdown or process upsets. Although it is not a requirement of this permit, Ohio EPA recommends that you maintain records for non-reportable malfunctions.

11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located?

Yes. Under Ohio law, the Director or his authorized representative may inspect the facility, conduct tests, examine records or reports to determine compliance with air pollution laws and regulations and the terms and conditions of this permit. You must provide, within a reasonable time, any information Ohio EPA requests either verbally or in writing.

12. What happens if one or more emissions units operated under this permit is/are shut down permanently?

Ohio EPA can terminate the permit terms associated with any permanently shut down emissions unit. "Shut down" means the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31.

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting[1] a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emissions unit once the certification has been submitted to Ohio EPA by the authorized official.

You must comply with all recordkeeping and reporting for any permanently shut down emissions unit in accordance with the provisions of the permit, regulations or laws that were enforceable during the period of operation, such as the requirement to submit a PER, air fee emission report, or malfunction report. You must also keep all records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, for at least five years from the date the record was generated.

Again, you cannot resume operation of any emissions unit certified by the authorized official as being permanently shut down without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

[1]Permittees that use Ohio EPA's "Air Services" can mark the affected emissions unit(s) as "permanently shutdown" in the facility profile along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).

13. Can I transfer this permit to a new owner or operator?

You can transfer this permit to a new owner or operator. If you transfer the permit, you must follow the procedures in OAC Chapter 3745-31, including notifying Ohio EPA or the local air agency of the change in ownership or operator. Any transferee of this permit must assume the responsibilities of the transferor permit holder.

14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"?

This permit and OAC rule 3745-15-07 prohibit operation of the air contaminant source(s) regulated under this permit in a manner that causes a nuisance. Ohio EPA can require additional controls or modification of the requirements of this permit through enforcement orders or judicial enforcement action if, upon investigation, Ohio EPA determines existing operations are causing a nuisance.

15. What happens if a portion of this permit is determined to be invalid?

If a portion of this permit is determined to be invalid, the remainder of the terms and conditions remain valid and enforceable. The exception is where the enforceability of terms and conditions are dependent on the term or condition that was declared invalid.

B. Facility-Wide Terms and Conditions

1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

   a) For the purpose of a permit-to-install document, the facility-wide terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

      (1) None.

   b) For the purpose of a permit-to-operate document, the facility-wide terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

      (1) None.

C. Emissions Unit Terms and Conditions

1. P001, Ready Mix Concrete Batch Plant

Operations, Property and/or Equipment Description:

Ready Mix Concrete Batch Plant (594 tons/hour capacity).

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	Transfer of Sand and Aggregate to Elevated Storage Bins	
a.	OAC rule 3745-31-05(A)(3) (PTI 13-03530)	Particulate Emissions (PE) shall not exceed more than 8.61 lbs/hour and 28.28 tons per year (TPY). Visible emissions of fugitive dust shall not exceed twenty percent opacity as a three-minute average. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. See b)(2)a. below.
b.	OAC rule 3745-17-07(A)	The visible particulate emission limitation specified by this rule is less stringent than the visible particulate emission limitation

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		established pursuant to OAC rule 3745-31-05(A)(3).
c.	OAC rule 3745-17-07(B)(1)	The emission limitation specified by this rule is equivalent to or less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
d.	OAC rule 3745-17-08(B)	The control measures specified by this rule are equivalent to or less stringent than the control measures established pursuant to OAC rule 3745-31-05(A)(3).
e.	OAC rule 3745-17-11(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).
	Portland Cement, Fly Ash, and Slag Silos	
f.	OAC rule 3745-31-05(A)(3) (PTI 13-03530)	PE shall not exceed more than 1.62 lbs/hour and 5.32 TPY. Visible particulate emissions from the fabric filter shall not exceed five percent opacity as a six-minute average. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. See b)(2)b. below.
g.	OAC rule 3745-17-07(A)	The visible particulate emission limitation specified by this rule is less stringent than the visible particulate emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
h.	OAC rule 3745-17-07(B)(1)	The emission limitation specified by this rule is equivalent to or less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

i.	OAC rule 3745-17-08(B)	The control measures specified by this rule are equivalent to or less stringent than the control measures established pursuant to OAC rule 3745-31-05(A)(3).
j.	OAC rule 3745-17-11(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).
	Sand and Aggregate Weigh Hopper Loading	
k.	OAC rule 3745-31-05(A)(3) (PTI 13-03530)	PE shall not exceed 3.56 lbs/hour and 11.69 TPY. Visible emissions of fugitive dust shall not exceed twenty percent opacity as a three-minute average. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. See b)(2)c. below.
l.	OAC rule 3745-17-07(A)	The visible particulate emission limitation specified by this rule is less stringent than the visible particulate emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
m.	OAC rule 3745-17-07(B)(1)	The emission limitation specified by this rule is less equivalent to or less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3).
n.	OAC rule 3745-17-08(B)	The control measures specified by the rule are equivalent to or less stringent than the measures established pursuant to OAC rule 3745-31-05(A)(3).
o.	OAC rule 3745-17-11(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).
	Sand and Aggregate Holding Hopper Loading	

p.	OAC rule 3745-31-05(A)(3) (PTI 13-03530)	PE shall not exceed 3.56 lbs/hour and 11.69 TPY. Visible emissions of fugitive dust shall not exceed twenty percent opacity as a three-minute average. Best Available Control Measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. See b)(2)d. below.
q.	OAC rule 3745-17-07(A)	The visible particulate emission limitation specified by this rule is less stringent than the visible particulate emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
r.	OAC rule 3745-17-07(B)(1)	The emission limitation specified by this rule is equivalent to or less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3).
s.	OAC rule 3745-17-08(B)	The control measures specified by the rule are equivalent to or less stringent than the measures established pursuant to OAC rule 3745-31-05(A)(3).
t.	OAC rule 3745-17-11(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).
	Concrete Batching Operations (including cement weigh hopper loading, cement holding hopper loading, cement loading into trucks, and loading stations).	
u.	OAC rule 3745-31-05(A)(3) (PTI 13-03530)	PE shall not exceed more than 3.92 lbs/hour and 12.86 TPY combined for all operations. Visible emissions of fugitive dust shall not exceed twenty percent opacity as a three-minute average. Visible PE from the baghouse exhaust shall not exceed five percent opacity, as a six-minute average.

		Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust. See b)(2)e. below.
v.	OAC rule 3745-17-07(A)	The visible particulate emission limitation specified by this rule is less stringent than the visible particulate emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
w.	OAC rule 3745-17-07(B)(1)	The visible particulate emission limitation specified by this rule is equivalent or less stringent than the visible particulate emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
x.	OAC rule 3745-17-08(B)	The control measures specified by this rule are equivalent to or less stringent than the control measures established pursuant to OAC rule 3745-31-05(A)(3).
y.	OAC rule 3745-17-11(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

a. The permittee shall employ the following best available control measures for the sand and aggregate transfer operations for the purpose of ensuring compliance with the above-mentioned applicable requirements:

i. The drop height of the front-end loader bucket shall be minimized to the extent possible in order to minimize or eliminate visible emissions of fugitive particulate matter from the conveyor and transfer point to the bins.

ii. The sand and aggregate loaded into the elevated bins shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive particulate matter from the conveyor and transfer point to the bins;

iii. Watering shall be used frequently at a rate of three-gallons sprayed per one hundred square feet of surface or higher to maintain the control efficiency to a minimum of fifty percent.

b. The permittee shall employ the following best available control measures for the above-identified cement and cement supplement silos for the purpose of ensuring compliance with the above-mentioned applicable requirements:

i. Cement and cement supplement shall be transferred pneumatically to the cement and cement silos. The pneumatic system shall be adequately enclosed so as to eliminate at all times visible emissions of fugitive dust. Any visible emissions of cement and/or cement supplement dust emanating from the delivery vehicle during transfer shall be cause for the immediate halt of the unloading process and refusal of the cement and/or cement supplement load until the situation is corrected.

ii. Each cement and cement supplement silo vent shall be adequately enclosed and vented to a fabric filter. The enclosure shall be sufficient so as to eliminate at all times visible emissions of fugitive dust at the point of capture.

c. The permittee shall employ the following best available control measures for the above-identified sand and aggregate weight hopper loading for the purpose of ensuring compliance with the above-mentioned applicable requirements:

i. The sand and aggregate weight hopper shall be sufficiently enclosed to eliminate visible emissions of fugitive particulate matter.

d. The permittee shall employ the following best available control measures for the above-identified sand and aggregate holding hopper loading for the purpose of ensuring compliance with the above-mentioned applicable requirements:

i. The sand and aggregate weigh hopper shall be sufficiently enclosed to eliminate visible emissions of fugitive particulate matter.

e. Concrete batching consists of the following operations:

Cement weigh hopper loading;
Cement holding hopper loading;
Cement loading into concrete trucks; and
Loading station (loading is either into a truck or mixer).

The permittee shall employ the following best available control measures for the above-identified concrete batching operations for the purpose of ensuring compliance with the above-mentioned applicable requirements:

i. Cement weigh hopper loading shall be adequately enclosed and vented to the baghouse. The enclosure shall be sufficient enough to eliminate visible emissions of fugitive dust at the point of capture.

ii. Cement holding hopper loading shall be adequately enclosed and vented to the baghouse. The enclosure shall be sufficient enough to eliminate visible emissions of fugitive dust at the point of capture.

iii. Cement loading into concrete trucks shall be adequately enclosed and vented to the baghouse. The enclosure shall be sufficient enough to eliminate visible emissions of fugitive dust at the point of capture.

iv. Sand and aggregate loading into concrete trucks shall be sufficiently enclosed to eliminate visible emissions of fugitive dust.

v. Sand, aggregate, and cement into mixer shall be adequately enclosed and vented to fabric filter. The enclosure shall be sufficient enough to eliminate visible emissions of fugitive particulate matter at the point of capture.

vi. A charging boot shall be used around the hopper choke feed discharge area and transit-mix truck opening. The charging boot shall have a control efficiency sufficient to minimize or eliminate visible emissions of fugitive dust to the extent possible with good engineering design.

f. The above-mentioned control measures shall be employed for each associated operation if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during any such operation until further observation confirms that the use of the measures is unnecessary.

g. 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.

c) Operational Restrictions

(1) The permittee shall not operate this emissions unit more than eighteen hours per day.

(2) The pressure drop across the baghouse shall be maintained within a range of one to five inches of water while the emissions unit is in operation.

(3) The pressure drop across the fabric filter shall be maintained within a range of one to five inches of water while this emissions unit is in operation.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain daily records of the operational hours for the concrete batching plant.

(2) The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse and fabric filter while the emissions units are in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manuals. The permittee shall record the pressure drop across the baghouse and fabric filter on a weekly basis.

(3) Except as otherwise provided in this section, the permittee shall perform daily inspections of all material handling operations associated with this concrete batch plant. The purpose of the inspections is to determine the need for implementing the control

measures specified in this permit for the material handling operations associated with this concrete batch plant. The inspections shall be performed during representative, normal operating conditions.

(4) The permittee may, upon receipt of written approval from the Cleveland Division of Air Quality, 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.

(5) The permittee shall maintain records of the following information:

a. the date and reason any required inspection was not performed, including those inspections that we 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 quarterly basis, the 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 d)(5) shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

(1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

(2) The permittee shall identify the following information in the annual PER report in accordance with the monitoring requirements located in d)(5) above:

a. each day 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.

(3) The permittee shall identify the following information in the annual PER report;

a. anyexceedance of the daily operating hours.

b. pressure drop deviations (excursions) that identify all periods of time during which the pressure drop across the baghouse and fabric filter did not comply with the allowable range specified above.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Transfer of Sand and Aggregate to Elevated Storage Emission Limitation:
8.61 lbs/hour of PM emissions

Applicable Compliance Method:
Compliance with the lb/hour emission limitation shall be determined by multiplying the hourly tons of material processed, the U.S. EPA reference document AP-42, 5th Edition, Chapter 11, Section 11.12, Table 11.12-2 emission factor total for sand and aggregate transfer (0.009 lb/ton) and (1 – 0.50) to account for the fifty percent water emission control efficiency.

b. Transfer of Sand and Aggregate to Elevated Storage Emission Limitation:
28.28 TPY of PM emissions

Applicable Compliance Method:
Compliance shall be determined by multiplying the lb/hour PM emission limitation calculated in section f)(1)a. above by the actual annual hours of operation of the emissions unit and the factor (1 ton/2,000 lbs).

c. Sand and Aggregate Weigh Hopper Loading Emission Limitation:
3.56 lbs/hour PM emissions

Applicable Compliance Method:
Compliance with the lb/hour emission limitation shall be determined by multiplying the hourly tons of material processed, the U.S. EPA reference document AP-42, 5th Edition, Chapter 11, Section 11.12, Table 11.12-2 emission factor for sand and aggregate weigh hopper loading (0.0051 lb/ton) and (1 – 0.50) to account for the fifty percent watering emission control efficiency.

d. Sand and Aggregate Weigh Hopper Loading Emission Limitation:
11.69 TPY of PM emissions

Applicable Compliance Method:
Compliance shall be determined by multiplying the lb/hour PM emission limitation calculated in f)(1)c. above by the actual annual hours of operation of the emissions unit and the factor (1 ton/2,000 lbs).

e. Sand and Aggregate Holding Hopper Loading Emission Limitation:
3.56 lbs/hour PM emissions

Applicable Compliance Method:
Compliance with the lb/hour emission limitation shall be determined by multiplying the hourly tons of material processed, the U.S. EPA reference document AP-42, 5th Edition, Chapter 11, Section 11.12, Table 11.12-2 emission factor for sand and aggregate weigh hopper loading (0.0051 lb/ton) and (1 – 0.50) to account for the fifty percent watering emission control efficiency.

f. Sand and Aggregate Holding Hopper Loading Emission Limitation:
11.69 TPY of PM emissions

Applicable Compliance Method:
Compliance shall be determined by multiplying the lb/hour PM emission limitation calculated in f)(1)e. above by the actual annual hours of operation of the emissions unit and the factor (1 ton/2,000 lbs).

g. Cement Silo Loading Emission Limitation:
1.62 lbs/hour of PM emissions

Applicable Compliance Method:
The permittee performed compliance testing on November 18, 1999 for the fabric filter exhaust associated with the cement silo loading operation. The average lb/hour emission rate measured at 0.009 lb/hour of particulate emissions which demonstrates compliance with the above emissions limitation.

If required, the permittee shall demonstrate compliance with this emission limitation through testing performed in accordance with Methods 1-5 of 40 CFR Part 60, Appendix A.

h. Cement Silo Loading Emission Limitation:
5.32 TPY of PM emissions

Applicable Compliance Method:
Compliance shall be determined by multiplying the lb/hour PM emission limitation calculated in f)(1)e. above by the actual annual hours of operation of the emissions unit and the factor (1 ton/2,000 lbs).

i. Cement Silo Loading Fabric Filter Emission Limitation:
Visible particulate emissions from the fabric filter stack shall not exceed more than five percent opacity as a six-minute average.

Applicable Compliance Method:
If required, compliance shall be determined by visible emission evaluations performed in accordance with USEPA Method 9.

j. Concrete Batching Plant Emissions Limitation:
3.92 lbs/hour of PM emissions

Applicable Compliance Method:
The permittee performed compliance testing on November 18, 1999 at the baghouse exhaust associated with the batching operation. The average lb/hour emission rate measured 0.37 lb/hour of particulate emissions which demonstrates compliance with the above emission limitation.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1-5 of 40 CFR, Part 60, Appendix A.

k. Concrete Batching Plant Emissions Limitation:
12.86 TPY of PM emissions

Applicable Compliance Method:
Compliance shall be determined by multiplying the lb/hour particulate emission limitation established in section f)(1)h. above by the actual hours of operation of the emission unit and the factor (1 ton/2,000 lbs).

l. Concrete Batching Operation Baghouse Stack Emission Limitation:
Visible particulate emissions from the baghouse stack shall not exceed five percent opacity as a six-minute average.

Applicable Compliance Method:
If required, compliance shall be determined by visible emission observations performed in accordance with USEPA Method 9.

m. Emission Limitation:
Visible particulate emissions from any fugitive dust source shall not exceed twenty percent opacity as a three-minute average.

Applicable Compliance Method:
If required, compliance shall be determined by visible emission observations performed in accordance with USEPA Method 9.

g) Miscellaneous Requirements

(1) None.