

Facility ID: 1677040013 Issuance type: Final State Permit To Operate

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part II" and before "A. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

- [Go to Part II for Emissions Unit F004](#)
- [Go to Part II for Emissions Unit F005](#)
- [Go to Part II for Emissions Unit F006](#)
- [Go to Part II for Emissions Unit P901](#)

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Facility ID: 1677040013 Emissions Unit ID: F004 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

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.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may 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>
unpaved roadways associated with Coneco portable ready-mixed concrete batch plant P901	OAC rule 3745-31-05 (A)(3) (PTI 16-02189)	no visible particulate emissions except for 3 minutes during any 60-minute period 84 tons/year of particulate matter best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.a through A.2.g)
	OAC rule 3745-17-07 (B)(11)(e) OAC rule 3745-17-08 (A)	This facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08 (A) and OAC rule 3745-17-07 (B)(11)(e), this emissions unit is exempt from the requirements of OAC rule 3745-17-08 (B) and OAC rule 3745-17-07 (B).

2. Additional Terms and Conditions

- (a) The permittee shall employ best available control measures on all roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the application, the permittee has committed to treat the roadways and parking areas with ample water at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

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 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.

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 using appropriate dust control measures 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 a visible emission limitation of no visible particulate emissions except for one minute during any 60-minute period.

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.

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.

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 (A)(3).

The 84 tons/year particulate matter limitation was established (based on application data) for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.

B. Operational Restrictions

1. A maximum speed limit of 10 miles per hour shall be posted and enforced on the property.
2. Waste or used oil shall not be used for controlling fugitive dust emissions from any roadways/parking areas at this facility.

C. Monitoring and/or Record Keeping 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:

roadways/parking areas minimum inspection frequency

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 updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

D. Reporting Requirements

1. The permittee shall submit annual 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 above deviation reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 of each year, in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the visible particulate emission limitations for the roadways/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.
2. Compliance with the above mass particulate emission limitation for this emissions unit shall be based upon the potential to emit:

$$E = (EF)(VMT)(1 \text{ ton}/2000 \text{ pounds})$$

where:

$$E = 84 \text{ tons/year of particulate matter [potential to emit];}$$

$$EF = 5.44 \text{ pounds of particulate matter/vehicle mile traveled [derived emission factor (AP-42, 9/98, Chapter 13.2.2, Equation 1)]; and}$$

$$VMT = 31,000 \text{ vehicle miles traveled/year [maximum rate].}$$

The above emission factor was developed without considering implementation of dust control measures.

F. Miscellaneous Requirements

1. None

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Facility ID: 1677040013 Emissions Unit ID: F005 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

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.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may 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>
aggregate storage piles associated with Coneco portable ready-mixed concrete batch plant P901, including load-in/load-out and wind erosion (see Section A.2.a for identification of storage piles)	OAC rule 3745-31-05 (A)(3) (PTI 16-02189)	no visible emissions except for one minute in any hour 15 tons/year of particulate matter
	OAC rule 3745-17-07 (B)(11)(e) OAC rule 3745-17-08 (A)	best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.a through A.2.g) This facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08 (A) and OAC rule 3745-17-07 (B)(11)(e), this emissions unit is exempt from the requirements of OAC rule 3745-17-08 (B) and OAC rule 3745-17-07 (B).

2. Additional Terms and Conditions

- (a) The storage piles that are covered by this permit and subject to the requirements of OAC rule 3745-31-05 are listed below:
 - aggregate; and sand
 - 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 application, the permittee has committed to perform the following control measure(s) to ensure compliance:
 - storage pile operation control measure(s)
 - load-in for the storage pile material, maintain a low drop height and a high moisture content, and apply additional water when necessary
 - load-out for the storage pile material, maintain a low drop height and a high moisture content, and apply additional water when necessary
 - The operator shall avoid dragging the front-end loader bucket along the ground. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance. 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. 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 application, the permittee has committed to treat each storage pile with water to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance. 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.

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).

The 15 tons/year particulate matter limitation was established (based on application data) for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping 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:

storage pile identification minimum load-in inspection frequency

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:

storage pile identification minimum load-out inspection frequency

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:

storage pile identification minimum wind erosion inspection frequency

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.
2. Compliance with the above mass particulate emission limitation for this emissions unit shall be based upon the potential to emit:

$$E = [(LIA + LOA + WEA) + (LIS + LOS + WES)](1 \text{ ton}/2000 \text{ pounds})$$

where:

E = 15 tons/year of particulate matter [potential to emit];

LIA = 4 tons/year of particulate matter from aggregate storage pile load-in [multiply the derived emission factor (AP-42, 1/95, Chapter 13.2.4 equation 1) of 0.0045 pound of particulate emissions per ton of material load-in by the maximum 1,800,000 tons of material load-in per year];

LOA = 4 tons/year of particulate matter from aggregate storage pile load-out [multiply the derived emission factor (AP-42, 1/95, Chapter 13.2.4 equation 1) of 0.0045 pound of particulate emissions per ton of material load-out by the maximum 1,800,000 tons of material load-out per year];

WEA = 1 ton/year of particulate matter from aggregate storage pile wind erosion [multiply the derived emission factor (RACM 2.1.2, equation 4) of 0.034 pound of particulate emissions per ton of material stored by the maximum 50,000 tons of material stored per year];

LIS = 1 ton/year of particulate matter from sand storage pile load-in [multiply the derived emission factor (AP-42, 1/95, Chapter 13.2.4 equation 1) of 0.0014 pound of particulate emissions per ton of material load-in by the maximum 1,500,000 tons of material load-in per year];

LOS = 1 ton/year of particulate matter from sand storage pile load-out [multiply the derived emission factor (AP-42, 1/95, Chapter 13.2.4 equation 1) of 0.0014 pound of particulate emissions per ton of material load-out by the maximum 1,500,000 tons of material load-out per year]; and

WES = 4 tons/year of particulate matter from sand storage pile wind erosion [multiply the derived emission factor (RACM 2.1.2, equation 4) of 0.169 pound of particulate emissions per ton of material stored by the maximum 50,000 tons of material stored per year].

The above emission factors were developed without considering implementation of fugitive dust control measures.

F. Miscellaneous Requirements

- 1. None

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Facility ID: 1677040013 Emissions Unit ID: F006 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

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.

A. Applicable Emissions Limitations and/or Control Requirements

- 1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may 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>
material handling associated with Coneco portable ready-mixed concrete batch plant P901, using trucks, front-end loaders, and belt conveyors	OAC rule 3745-31-05 (A)(3) (PTI 16-02189)	no visible particulate emissions except for 3 minutes during any 60-minute period 11 tons/year of particulate matter
	OAC rule 3745-17-07 (B)(11)(e) OAC rule 3745-17-08 (A)	best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.a through A.2.e) This facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08 (A) and OAC rule 3745-17-07 (B)(11)(e), this emissions unit is exempt from the requirements of OAC rule 3745-17-08 (B) and OAC rule 3745-17-07 (B).

- 2. **Additional Terms and Conditions**

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

truck dumping;
front-end loading; and
belt conveyor loading/unloading

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 application, the permittee has committed to perform the following control measure(s) to ensure compliance:

material handling operation(s) control measure(s)

truck dumping maintain a low drop height and a high moisture content for the material being handled

front-end loading maintain a low drop height and a high moisture content for the material being handled

belt conveyor loading/unloading maintain a low drop height and a high moisture content for the material being handled

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

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.

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).

The 11 tons/year particulate matter limitation was established (based on application data) for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limit.

B. Operational Restrictions

1. None

C. Monitoring and/or Record Keeping 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:

material handling operation(s) minimum inspection frequency

all 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:
- the date and reason any required inspection was not performed;
 - the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);
 - the dates the control measure(s) was (were) implemented; and
 - 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:
- each day during which an inspection was not performed by the required frequency; and
 - 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

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 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.
2. Compliance with the above mass particulate emission limitation for this emissions unit shall be based upon the potential to emit:

$$E = [(TDA + FLA + BCA) + (TDS + FLS + BCS)](1 \text{ ton}/2000 \text{ pounds})$$

where:

E = 11 tons/year of particulate matter [potential to emit];

TDA = 2.5 tons/year of particulate matter from truck dumping aggregate [multiply the derived emission factor (AP-42, 1/95, Chapter 13.2.4 equation 1) of 0.0045 pound of particulate emissions per ton of material truck dumped by the maximum 1,100,000 tons of material truck dumped per year];

FLA = 2.5 tons/year of particulate matter from front-end loading aggregate [multiply the derived emission factor (AP-42, 1/95, Chapter 13.2.4 equation 1) of 0.0045 pound of particulate emissions per ton of material front-end loaded by the maximum 1,100,000 tons of material front-end loaded per year];

BCA = 2.5 tons/year of particulate matter from belt conveying aggregate [multiply the derived emission factor (AP-42, 1/95, Chapter 13.2.4 equation 1) of 0.0045 pound of particulate emissions per ton of material belt conveyed by the maximum 1,100,000 tons of material belt conveyed per year];

TDS = 1 ton/year of particulate matter from truck dumping sand [multiply the derived emission factor (AP-42, 1/95, Chapter 13.2.4 equation 1) of 0.0014 pound of particulate emissions per ton of material truck dumped by the maximum 870,000 tons of material truck dumped per year];

FLS = 1 ton/year of particulate matter from front-end loading sand [multiply the derived emission factor (AP-42, 1/95, Chapter 13.2.4 equation 1) of 0.0014 pound of particulate emissions per ton of material front-end loaded by the maximum 870,000 tons of material front-end loaded per year]; and

BCS = 1 ton/year of particulate matter from belt conveying sand [multiply the derived emission factor (AP-42, 1/95, Chapter 13.2.4 equation 1) of 0.0014 pound of particulate emissions per ton of material belt conveyed by the maximum 870,000 tons of material belt conveyed per year].

The above emission factors were developed without considering implementation of fugitive dust control measures.

F. Miscellaneous Requirements

1. None

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Facility ID: 1677040013 Emissions Unit ID: P901 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

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.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may 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>
Coneco portable ready-mixed concrete batch plant, including transfer of sand and aggregate to elevated bins; transfer of cement to elevated silos, air emissions of particulate matter vented to and controlled by two (2) baghouses; weigh hopper loading of cement, sand and aggregate, air emissions of particulate matter from the cement weigh hopper vented to and controlled by a baghouse; and loading of transit-mix truck, air emissions of particulate matter vented to and controlled by a baghouse.	OAC rule 3745-31-05 (A)(3) (PTI 16-02189)	Visible particulate emissions from any stack of P901 shall not exceed 10% opacity, as a 3-minute average. Visible particulate emissions from any fugitive emissions point of P901 shall not exceed 20% opacity, as a 3-minute average. 9 pounds/hour & 40 tons/year of particulate matter
	OAC rule 3745-17-07 (B)(11)(e) OAC rule 3745-17-08 (A)	See sections A.2, B.1, and B.2 below for additional requirements of OAC rule 3745-31-05 (A)(3). This facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore,

pursuant to OAC rule 3745-17-08 (A) and OAC rule 3745-17-07 (B)(11)(e), this emissions unit is exempt from the requirements of OAC rule 3745-17-08 (B) and OAC rule 3745-17-07 (B).

OAC rule 3745-17-07 (A)
OAC rule 3745-17-11

The emissions limitations required by these rules are less stringent than the emissions limitations established pursuant to OAC rule 3745-31-05 (A)(3).

2. Additional Terms and Conditions

- (a) The above particulate matter emissions limitations (regulated per OAC rule 3745-31-05 (A)(3)) are based upon the controlled potential to emit for this emissions unit, as determined from permit application data. Therefore, no emissions record keeping or reporting are required to demonstrate compliance with these emissions limitations.
The sand and aggregate loaded into the elevated bins shall have a moisture content sufficient to minimize or eliminate visible emissions of fugitive dust from the conveyor and transfer point to bins. The drop height of the front-end bucket shall be minimized to the extent possible in order to minimize or eliminate visible emissions of fugitive dust from the conveyor loading area.
The cement silos shall be adequately enclosed and vented to a baghouse. The enclosure shall be sufficient to minimize or eliminate visible emissions of fugitive dust at the point(s) of capture.
The weigh hoppers shall be adequately enclosed and vented to a baghouse. The enclosure shall be sufficient to minimize or eliminate visible emissions of fugitive dust at the point(s) of capture.
The loading of the transit truck shall be adequately enclosed and vented to a baghouse. The enclosure shall be sufficient to minimize or eliminate visible emissions of fugitive dust at the point(s) of capture.

B. Operational Restrictions

- 1. All baghouses, as specified in the application, shall be employed at all times the emissions unit is in operation.
- 2. Except for an initial operating period after filter media replacement to attain design filtering efficiency, the pressure drops across the baghouses serving this emissions unit shall be maintained within the following specified ranges (while the emissions unit is in operation):

 Baghouse DC-1: 2 - 6 inches of water;
 Baghouse BH-1: 3 - 8 inches of water;
 Baghouse BH-2: 3 - 8 inches of water; and
 Baghouse WH-1: 1 - 7 inches of water.

Operation of any baghouse outside of its respective pressure drop range is not necessarily indicative of an emission violation, but rather serves as a trigger level for maintenance and/or repair activities, or further investigations to establish corrective action.

C. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall document when any baghouse was not in service when the emissions unit was in operation.
- 2. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across each baghouse serving this emissions unit, while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across each baghouse on a daily basis.

D. Reporting Requirements

- 1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any record identifying each baghouse which not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days after the event occurs.
- 2. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across each baghouse serving this emissions unit did not comply with the respective allowable range specified above.
- 3. The deviation (excursion) reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition 3 of this permit.

E. Testing Requirements

- 1. Compliance with the emission limitations in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:
 Emission Limitation: 10% opacity from any stack, as a 3-minute average

 Applicable Compliance Method: If required, compliance shall be determined by visible emission evaluations performed in accordance with USEPA Method 9, 40 CFR Part 60, Appendix A.
 Emission Limitation: 20% opacity from any fugitive emissions point, as a 3-minute average

 Applicable Compliance Method: If required, compliance shall be determined by visible emission evaluations performed in accordance with USEPA Method 9, 40 CFR Part 60, Appendix A.
 Emission Limitations: 9 pounds/hour & 40 tons/year of particulate matter

 Applicable Compliance Method: The above emission limitations are based on the controlled potential to emit as shown in the following equations using emission factors from AP-42, 1/95, Table 11.12-2:

$$E_h = B_{Pb}(1 - C_b) + S_{Ps}(1 - C_s) + H_{Ph}(1 - C_h) + T_{Pt}(1 - C_t); \text{ and}$$

$$E_y = E_h(8760 \text{ hours/year})(1 \text{ ton}/2000 \text{ pounds}),$$

Where:

$E_h = 9$ pounds/hour of particulate matter [controlled hourly potential to emit];

Ey = 40 tons/year of particulate matter [controlled yearly potential to emit];

B = 0.029 pound of particulates/ton of sand & aggregate belt transfer to elevated bins [emission factor];

Pb = 500 tons of sand & aggregate transfer/hour [maximum process rate];

Cb = 0.70 [moisture emissions control factor];

S = 0.27 pound of particulates/ton of cement pneumatic transfer to elevated silos [emission factor];

Ps = 90 tons of cement transfer/hour [maximum process rate];

Cs = 0.90 [overall capture/control factor];

H = 0.02 pound of particulates/ton of weigh hopper loading [emission factor];

Ph = 500 tons of weigh hopper loading/hour [maximum process rate];

Ch = 0.90 [overall capture/control factor];

T = 0.02 pound of particulates/ton of transit truck loading [emission factor];

Pt = 500 tons of transit truck loading/hour [maximum process rate]; and

Ct = 0.90 [overall capture/control factor].

F. Miscellaneous Requirements

1. Pursuant to OAC rule 3745-31-03(A)(1)(p), the permittee of the portable or mobile emissions unit identified within this Permit to Install (PTI) may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:
 - a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;
 - b. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);
 - c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Akron Regional Air Quality Management District (ARAQMD) within a minimum of thirty days prior to the scheduled relocation; and
 - d. in the ARAQMD's judgement, the proposed site is acceptable under the rule 3745-15-07 of the Administrative Code.
2. As an alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:
 - a. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;
 - b. the portable emissions unit is equipped with best available technology;
 - c. the portable emissions unit owner has identified the proposed site to Ohio EPA;
 - d. Ohio EPA has determined that the portable emissions unit, 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 emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to this proposed site; and
 - g. the portable emissions unit owner has provided Ohio EPA with fifteen days written notice of the relocation.
3. Any site approvals issued by the Ohio EPA shall be valid for no longer than three years and are subject to renewal.
4. In order for the ARAQMD to determine compliance with all of the above criteria, the permittee of the portable or mobile emissions unit must 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 ARAQMD, 146 South High Street, Suite 904, Akron, OH 44308. Upon receipt of the notice, the ARAQMD, or the ARAQMD authorized representative, 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 fines and civil penalties.