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Facility Name: **Central Allied Warmington**

Application Number: **15-1362**

Date: **February 18, 1999**

**GENERAL PERMIT CONDITIONS**

**TERMINATION OF PERMIT TO INSTALL**

Substantial construction for installation must take place within 18 months of the effective date of this permit. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

**NOTICE OF INSPECTION**

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

**CONSTRUCTION OF NEW SOURCES**

The proposed source(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of Ohio Administrative Code (OAC) Rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations.

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Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet applicable standards.

#### **PERMIT TO INSTALL FEE**

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

#### **PUBLIC DISCLOSURE**

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

#### **APPLICABILITY**

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

#### **BEST AVAILABLE TECHNOLOGY**

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

#### **PERMIT TO OPERATE APPLICATION**

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be filed no later than thirty days after commencement of operation.

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**SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION**

This facility is permitted to operate each source described by this permit to install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws and regulations.

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

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
P901	240 TPH Portable Concrete Batch Plant including:	Compliance with the applicable OAC regulations and the terms and conditions of this permit	3745-31-05	3.38 pounds PM/hr which equates to 14.8 tons PM/year [includes fugitive and stack (3 stacks) emissions for entire emissions unit]
	1. Transfer of sand and aggregate to elevated bins			Visible particulate emissions from any of the three fabric filter vents (silo vent, loading vent & scale vent) servicing this emissions unit shall not exceed 0% opacity
	2. Weigh hopper loading of cement, sand and aggregate vented to a fabric filter			Visible particulate emissions from any of the three fabric filter vents (silo vent, loading vent & scale vent) servicing this emissions unit shall not exceed 0% opacity
	3. Cement silo pneumatically filled vented to a fabric filter			Visible particulate emissions from any of the three fabric filter vents (silo vent, loading vent & scale vent) servicing this emissions unit shall not exceed 0% opacity
P901 cont'd	4. Loading of transit-mix trucks vented to a fabric filter			Visible particulate emissions of fugitive dust from any part of

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
				<p>this emissions unit shall not exceed 10% opacity for a three-minute average</p>
				<p>The silo shall be adequately enclosed and vented to a fabric filter. The fabric filter shall achieve an outlet particulate emission rate of 0.02 gr/DSCF.</p>
				<p>The weigh hopper shall be adequately enclosed and vented to a fabric filter. The fabric filter shall achieve an outlet particulate emission rate of 0.02 gr/DSCF.</p>
				<p>The transit-mix truck unloading operation shall be adequately enclosed and vented to a fabric filter. The fabric filter shall</p>

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cont'd

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
			3745-17-07 (A) & (B)	achieve an outlet particulate emission rate of 0.02 gr/DSCF.
			3745-17-08	BAT is more restrictive
			3745-17-11	BAT is more restrictive
				BAT is more restrictive

SUMMARY

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
PM/PM <sub>10</sub>	14.8

**Note:** The information contained under the "Summary of Emissions" section of the Permit to Install is for informational purposes only and is not enforceable.

RECORD(S) RETENTION AND AVAILABILITY

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records shall be made available to the Director, or any representative of the Director, for review during normal business hours.

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**REPORTING REQUIREMENTS**

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Canton Air Pollution Control, 420 Market Avenue, North, Canton, Ohio 44702-1544.**

**MAINTENANCE OF EQUIPMENT**

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

**MALFUNCTION/ABATEMENT**

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **Canton Air Pollution Control, 420 Market Avenue, North, Canton, Ohio 44702-1544**

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

**AIR POLLUTION NUISANCES PROHIBITED**

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

**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.

**ADDITIONAL SPECIAL TERMS AND CONDITIONS**

**A. Operational Restrictions**

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1. None

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

1. The permittee shall perform daily checks for any visible particulate emissions from any of the silo fabric filter vent, the scale fabric filter vent and the transit-mix loading vent while in operation. The presence or absence of any visible emissions from each vent shall be noted in an operations log. If any visible emissions are observed from any of these vents, corrective actions shall be taken to eliminate the visible emissions and these actions shall also be noted in the operations log.

**C. Reporting Requirements**

1. The permittee shall submit a "Notice of Intent to Relocate a Portable or Mobile Source" form 30 days prior to any planned relocation of this emissions unit, in accordance with OAC rule 3745-31-05(F). (A copy of the form is attached to this permit.) Approval of the planned relocation must be obtained from the Canton Local Air Agency prior to the relocation.
2. The permittee shall submit on a semi-annual basis a report which (a) identifies all days which any visible particulate matter emissions were observed from a fabric filter vent and (b) describes the corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted by January 31 and July 31 of each year to the Canton Local Air Agency.

**D. Compliance Methods and Testing Requirements**

1. Compliance with the emissions limitations of this permit shall be determined in accordance with the following methods:

a. Emission Limitation:

3.38 lbs/hr of PM/PM<sub>10</sub>

Applicable Compliance Method:

Multiply the allowable of 0.02 gr/DSCF times the airflow of each of the three fabric filters to come up with 1.827

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lbs PM/hr. Multiply the AP42 emission factor of 0.029 lb/ton for sand and aggregate transfer to elevated bins times the PWR of 250 tons/hr times 0.2 (80% control eff. for enclosure) to get 1.45 lbs PM/hr. Also add 0.1 lb PM/hr for the fugitive emissions that are not captured from the weigh hopper loading and the truck loading.

b. Emission Limitation:

14.8 tons/yr of PM/PM<sub>10</sub>

Applicable Compliance Method:

Multiply the hourly allowable of 3.38 lbs PM/PM<sub>10</sub>/hr times 8,760 hours/year.

c. Emission Limitation:

Limit of 0.02 gr/DSCF for the vents of the three fabric filters servicing this emissions unit.

Applicable Compliance Method:

If required Method 5. Daily checks for visible emissions should ensure compliance.

d. Visible Emission Limitation:

Visible particulate emissions from any of the three fabric filter vents (silo vent, loading vent & scale vent) servicing this emissions unit shall not exceed 0% opacity

Applicable Compliance Method:

If required Method 9. Daily checks for visible emissions should ensure compliance.

e. Visible Emission Limitation:

Visible particulate emissions of fugitive dust from any

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part of this emissions unit shall not exceed 10% opacity  
for a three-minute average.

Applicable Compliance Method:

Method 9 if required.

**E. Miscellaneous Requirements**

1. None.