



State of Ohio Environmental Protection Agency

Street Address:

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Columbus, OH 43215

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

**RE: FINAL PERMIT TO INSTALL  
CLINTON COUNTY  
Application No: 05-09462**

**CERTIFIED MAIL**

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

**DATE: 12/13/2001**

Clinton Builders Supply  
Jeffrey Parry  
4281 Roush Rd  
Hillsboro, OH 45133

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

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

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission  
236 East Town Street, Room 300  
Columbus, Ohio 43215

Very truly yours,

Thomas G. Rigo, Manager  
Field Operations and Permit Section  
Division of Air Pollution Control

cc: USEPA

SWDO



**Permit To Install  
Terms and Conditions**

**Issue Date: 12/13/2001  
Effective Date: 12/13/2001**

**FINAL PERMIT TO INSTALL 05-09462**

Application Number: 05-09462  
APS Premise Number: 0514010164  
Permit Fee: **\$1400**  
Name of Facility: Clinton Builders Supply  
Person to Contact: Jeffrey Parry  
Address: 4281 Roush Rd  
Hillsboro, OH 45133

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**1481 Rt 68 S  
Wilmington, Ohio**

Description of proposed emissions unit(s):  
**150 CUBIC YARD CONCRETE BATCH PLANT.**

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

## **Part I - GENERAL TERMS AND CONDITIONS**

### **A. Permit to Install General Terms and Conditions**

#### **1. Compliance Requirements**

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

#### **2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements**

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

#### **3. Records Retention Requirements**

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

#### **4. Inspections and Information Requests**

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may

be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

**5. Scheduled Maintenance/Malfunction Reporting**

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

**6. Permit Transfers**

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

**7. Air Pollution Nuisance**

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

**8. Termination of Permit to Install**

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

**9. Construction of New Sources(s)**

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

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

**10. Public Disclosure**

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

**11. Applicability**

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit to Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

**12. Best Available Technology**

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

**13. Source Operation and Operating Permit Requirements After Completion of Construction**

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within thirty (30) days after commencing operation of the emissions unit(s) covered by this permit.

**14. Construction Compliance Certification**

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and

conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

**15. Fees**

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

**B. Permit to Install Summary of Allowable Emissions**

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

**SUMMARY (for informational purposes only)**  
**TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons Per Year</u>
PE	14.9

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

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P901 - Concrete Batch Plant	OAC rule 3745-31-05(A)(3)	3.4 lbs/hr and 14.9 tons/yr of particulate emissions from the equipment identified below.
Transfer of sand and aggregate to elevated bins (including conveying and weigh hopper loading of sand and aggregate)	OAC rule 3745-31-05(A)(3)	No visible emissions except for a period of time not to exceed 1 minute during any 60-minute observation period.  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 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.
Cement and cement supplement (granulated slag) unloading to silos	OAC rule 3745-31-05(A)(3)	The silos shall be adequately enclosed and vented to a particulate emissions collector. The enclosure shall be sufficient to eliminate visible emissions of fugitive dust.  No visible emissions except for a period of time not to exceed 1 minute during any 60-minute observation period.

	OAC rule 3745-17-11(B)	See a.2. b.  The emission limit specified in this rule is less stringent than the particulate limit established as BAT under 3745-31-05.
cement weigh hopper loading	OAC rule 3745-31-05(A)(3)	The weigh hopper shall be adequately enclosed and vented to a particulate emissions collector. The enclosure shall be sufficient to eliminate visible emissions of fugitive dust at the point of capture.  No visible emissions except for a period of time not to exceed 1 minute during any 60-minute observation period.  See a.2. b.
sand, aggregate and cement loading into concrete trucks (transit mix)	OAC rule 3745-31-05(A)(3)	The hopper discharge area and transit-mix truck opening shall be enclosed and vented to a particulate emissions collector. The enclosure shall be sufficient to minimize or eliminate visible emissions of fugitive dust to the extent possible with good engineering design.  No visible emissions except for a period of time not to exceed 1 minute during any 60-minute observation period.  See a.2. b.
	OAC rule 3745-17-11(B)	The emission limit specified in this rule is less stringent than the particulate limit established as BAT under 3745-31-05(A)(3).

**2. Additional Terms and Conditions**

- 2.a** The 3.4 lbs/hr and 14.9 tons/yr limitations were established for PTI purposes to reflect the potential to emit for this emission unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with these limits.
- 2.b** The particulate emissions collector equipment shall achieve an outlet emission rate of not greater than 0.020 grain of particulate emissions per dry standard cubic foot of exhaust gases or there shall be no visible emissions from the outlet, whichever is less stringent.

**B. Operational Restrictions**

- 1. Particulate emissions from the following emissions points shall be collected and controlled by a dust collector operating at a removal efficiency of least 99.9%: cement unloading (pneumatic) to storage silo, cement weigh hopper loading, sand, aggregate and cement loading into concrete trucks (transit mix).

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

- 1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit and for any visible fugitive dust emissions emanating from the briquetter and the material feed chute. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the location and color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. any corrective actions taken to eliminate the visible emissions.

**D. Reporting Requirements**

- 1. The permittee shall submit on a semi-annual basis a report which (a) identifies all days during which any visible particulate emissions were observed from the particulate emissions collectors 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 Director (District Office or local air agency).
- 2. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) of any Method 22 evaluation that did not demonstrate compliance with the opacity requirement(s) specified above. The notification shall be in writing and shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days after the exceedance occurs.

**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 method(s):

a. Emission Limitation-  
0.020 gr/dscf

Applicable Compliance Method-

If required, compliance with this mass emission limitation shall be based on stack testing per OAC rule 3745-17-03(B)(7).

b. Emission limitation-  
3.4 lbs/hr of particulate

Applicable Compliance Method-

Compliance shall be determined by totaling the following products:

i. transfer of sand and aggregate to elevated bins (including conveying and weigh hopper loading of sand and aggregate): 0.9 lb/hr

$$PE = [(EF1 \times SD) + (EF2 \times AG)]$$

Where:

PE = Particulate emission in lbs/hr;

EF1 = Aggregate transfer emission factor: 0.0069 lb/ton (AP-42 Table 11.12-2; 10/01);

SD = Tons of sand transferred per hour: 100 tons;

EF2 = Sand transfer emission factor: 0.0021 lb/ton (AP-42 Table 11.12-2; 10/01);

AG = Tons of aggregate transferred per hour: 100 tons;

ii. cement unloading (pneumatic) to storage silo: 1.0 lb/hr

$$PE = [(EF1 \times SD) + (EF2 \times SS)] \times (1 - .99)$$

Where:

PE = Particulate emission in lbs/hr;

EF1 = Cement unloading emission factor: 0.72 lb/ton (AP-42 Table 11.12-2; 10/01);

SD = Tons of sand unloaded per hour: 26 tons;

EF2 = Cement supplement (granulated slag) unloading emission factor: 3.14 lbs/ton (AP-42 11.12-2; 10/01);

SS = Tons of cement supplement (granulated slag) per hour: 26 tons;

- iv. cement weigh hopper loading: 0.005 lb/hr

$$PE = (EF1 \times CS) \times (1 - .99)$$

Where:

PE = Particulate emission in lbs/hr;

EF = Weigh hopper loading emission factor: 0.0051 lb/ton (AP-42 11.12-2; 10/01);

CS = Tons of cement and supplement (granulated slag) transferred per hour: 100 tons;

- v. sand, aggregate and cement loading into concrete trucks (transit mix): 1.5 lbs/hr

$$PE = (EF1 \times CS) \times (1 - .99)$$

Where:

PE = Particulate emission in lbs/hr;

EF = Transit truck loading emission factor: 0.61 lb/ton (AP-42 11.12-2; 10/01);

CS = Tons of cement transferred per hour: 250 tons;

- c. Emission limitation-  
14.9 tons/yr of particulate

Applicable Compliance Method-

The 14.9 tons/yr emission limitation was developed by multiplying the 3.4 lbs/hr emission limitation by a maximum annual operating schedule of 8,760 hrs/yr. Therefore, compliance shall be based upon the 12-month maximum summation of the number of operating hours times the 3.4 lbs/hr emission limitation, divided by 2,000 lbs/ton.

- d. Emission Limitation-  
No visible emissions except for a period of time not to exceed 1 minute during any 60-minute observation period.

Compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

## **F. Miscellaneous Requirements**

1. The permittee shall develop and implement a Preventative Maintenance and Malfunction Abatement Plan (PM&MAP) for this emissions unit. The plan shall be designed to ensure that the air pollution control equipment operates according to the manufactures recommendations. The plan shall address, at a minimum, management and personnel responsibilities, preventive maintenance schedule, frequency of operation and maintenance inspections, and specific maintenance procedures. The

**Clinton Builders Supply**  
**PTI Application: 05-09462**  
**Issued: 12/13/2001**

**Facility ID: 0514010164**  
**Emissions Unit ID: P901**

PM&MAP shall be developed within 12 months of the issuance of this permit or prior to the issuance of the operation permit, whichever comes first.