



State of Ohio Environmental Protection Agency

**RE: COMBINED AIR/WASTEWATER CERTIFIED MAIL
PERMIT TO INSTALL**

Street Address:

122 S. Front Street

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049

**SCIOTO COUNTY
Application No: 07-00524**

DATE: 11/14/2002

PC West Virginia Synthetic Fuel No. 2
Warren Biss
5160 Parkstone Dr Ste 260
Chantilly, VA 201513813

Enclosed please find an Ohio EPA Permit to Install for the air/wastewater contaminant source(s) [emissions unit(s)] shown on the enclosed 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,

Michael W. Ahern

Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

Patti L. Smith, Permit Processing Supervisor
Division of Surface Water

cc: USEPA

PCHD



**Permit To Install
Terms and Conditions**

**Issue Date: 11/14/2002
Effective Date: 11/14/2002**

FINAL PERMIT TO INSTALL 07-00524

Application Number: 07-00524
APS Premise Number: 0773000185
Permit Fee: **\$2000**
Name of Facility: PC West Virginia Synthetic Fuel No. 2
Person to Contact: Warren Biss
Address: 5160 Parkstone Dr Ste 260
Chantilly, VA 201513813

Location of proposed air contaminant source(s) [emissions unit(s)]:

**914 Hayport Rd
Wheelersburg, Ohio**

Description of proposed emissions unit(s):

Synthetic Fuel Facility.

Description of Proposed wastewater disposal system: **Application for Holding Tank for Washwater Recycling System for Pace Carbon Fuels Synthetic Fuels Plant at 914 Hayport Road, Porter Township, Scioto County**

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

SECTION 1

APPLICABLE AIR REQUIREMENTS

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 ninety (90) days after commencing operation of the emissions unit(s) covered by this permit.

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Issued: 11/14/2002

Facility ID: 0773000185

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>
OC	7.12
PM (fugitive)	1.0
PM10 (fugitive)	0.21
PM/PM10 (stack)	10.1

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.

Operations, Property,
and/or Equipment

Applicable Rules/Requirements

OAC rule 3745-17-07(A)

F001 - synthetic fuel production - coal handling with dust collection system vented to a baghouse and application of synfuel reagent	OAC rule 3745-31-05(A)(3)
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OAC rule 3745-21-07(G)

Applicable Emissions
Limitations/Control Measures

Organic compound (OC) emissions shall not exceed 1.84 lbs/hr and 7.12 tpy.

Fugitive particulate emissions shall not exceed 0.25 lb/hr and 1.0 tpy.

Emissions of fugitive particulate less than 10 microns shall not exceed 0.06 lb/hr and 0.21 tpy.

The baghouse shall achieve an outlet emission rate of not greater than 0.02 grains of particulate emissions per dry standard cubic foot of exhaust gases and 10.1 tpy.

Visible particulate emissions from any stack shall not exceed 20% opacity as a six minute average.

Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.c and A.2.d below)

See Section B.1 below.

The emission limitation established by this rule is equivalent to the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- 2.a** The material handling operations that are covered by this permit and subject to the above mentioned requirements are listed below:

T1 - reclaim conveyor (FC1) to feed belt conveyor (BC1)
T2 - feed belt conveyor (BC1) to motorized splitter gate (G1)
T3a - splitter gate (G1) to pug mixer A (M1)
T3b - splitter gate (G1) to pug mixer B (M2)
T4a - pug mixer A (M1) to briquetter A (BR1)
T4b - pug mixer B (M2) to briquetter B (BR2)
T5a - briquetter A (BR1) to product collecting conveyor (BC2)
T5b - briquetter B (BR2) to product collecting conveyor (BC2)
T6 - product collecting conveyor (BC2) to product transfer conveyor (BC3)
T7 - product transfer conveyor (BC3) to radial stacker (BC4)
T8 - radial stacker (BC4) to pile

- 2.b** The permittee shall employ best available control measures for the above identified material handling operations for the purpose of ensuring compliance with the above mentioned applicable requirements. In accordance with the permittee's permit application, the permittee shall install and maintain partial and full enclosures, and vent emissions to a dust collection system with baghouse. These control measures shall be maintained to minimize particulate emissions to levels that will demonstrate compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

- 2.c** 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.

- 2.d** The hourly particulate emission limitations outlined above are based upon the emissions unit's potential to emit; therefore, no hourly records are required to demonstrate compliance with these limits.

B. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, the Ohio EPA field office. Such notification shall

Emissions Unit ID: **F001**

include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emissions limits and/or control requirements as defined in OAC 3745-21-07(G)(2). This notification, at a minimum shall include the company identification of the new material to be employed, the solvent composition of the material, and the maximum amount to be used, in pounds per hour.

2. The pressure drop across the baghouse that is part of the dust collection system shall be maintained within a range of 2 to 4 inches of water while the emission unit is in operation.
3. The maximum annual synfuel production rate for this emissions unit shall not exceed 3,120,000 tons per year.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each day for the reagent application:
 - a. the company identification of each reagent employed;
 - b. the number of gallons of each reagent employed;
 - c. the OC content of each reagent employed;
 - d. the total OC emission rate for all reagents employed, in pounds/day;
 - e. the total number of hours the emission unit was in operation; and
 - f. the average hourly OC emission rate for all reagents, i.e., "d." divided by "e.", in pounds per hour.

[Note: The reagent information must be for the reagent as employed.]

2. The permittee shall maintain annual records of the amount of synfuel produced in this emissions unit.
3. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is 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 on a daily basis.

D. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day during which the average hourly total OC emissions exceeded 1.84 lbs/hr, and the actual average hourly OC emissions for such day. These reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
2. The permittee shall submit annual reports which specify the total particulate, PM₁₀ and OC emissions from this emissions unit for the previous calendar year. This report shall be submitted to the Portsmouth Local Air Agency or regulating agency by January 31 of each year.
3. The permittee shall submit quarterly deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. These reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
4. The permittee shall submit annual reports that identify any exceedances of the annual synfuel production rate limitation, as well as the corrective actions that were or will be taken to achieve compliance. These reports shall be submitted by January 31 of each year.

E. Testing Requirements

1. Compliance with the emission limitation(s) in section A.1. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation:

Organic compound (OC) emissions shall not exceed 1.84 lbs/hr.

Applicable Compliance Method:

Compliance shall be determined by multiplying the amount of reagent applied (gallons) per ton of coal by the amount of coal used (tons/hour) by the density of the reagent (lbs/gallon) and the OC content of the reagent (ppm).
 - b. Emission Limitation:

Organic compound (OC) emissions shall not exceed 7.12 tpy.

Applicable Compliance Method:

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Compliance shall be determined by multiplying the amount of reagent applied (gallons) per ton of coal by the amount of coal used (tons/year) by the density of the reagent (lbs/gallon) by the OC content of the reagent (ppm), and dividing by 2000 lbs/ton.

c. **Emission Limitation:**

The baghouse shall achieve an outlet emission rate of not greater than 0.02 grains per dry standard cubic foot of exhaust gases and 10.1 tpy.

Applicable Compliance Method:

If required, compliance with the grains/dscf emission limit shall be demonstrated by emissions testing in accordance with 40 CFR Part 60, Appendix A.

Compliance with the annual emission limitation shall be demonstrated by the following calculation based on the baghouse design and maximum air flow rate.

$$0.02 \text{ gr/dscf} \times 13454.1 \text{ dscf/min} \times \text{lb}/7000 \text{ gr} \times 60 \text{ min/hr} \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs}$$

d. Emission Limitation:

Fugitive particulate emissions (PM) shall not exceed 0.25 lb/hr.

Applicable Compliance Method:

Compliance shall be demonstrated by calculating the sum of the emissions from each transfer point.

Emissions from each transfer point shall be determined by multiplying the maximum process weight rate in tons per hour, times the emission factor for each transfer point in pounds per ton, times the control efficiency (90% for total enclosure and 50 % for partial enclosure). The emission factor shall be obtained using the equation* from "Determination of Fugitive Dust Emissions from Rotary Railcar Dumping" prepared for Maryland Power Siting Program - TRC Environmental, Sept 1984.

e. Emission Limitation:

Fugitive particulate emissions (PM) shall not exceed 1.0 tpy.

Applicable Compliance Method:

Compliance shall be demonstrated by calculating the sum of the emissions from each transfer point.

Emissions from each transfer point shall be determined by multiplying the maximum annual production rate in tons per year, times the emission factor for each transfer point in pounds per ton, times the control efficiency (90% for total enclosure and 50 % for partial enclosure) and dividing by 2000 lb/ton. The emission factor shall be obtained using the equation* from "Determination of Fugitive Dust Emissions from Rotary Railcar Dumping"

prepared for Maryland Power Siting Program - TRC Environmental, Sept 1984.

f. Emission Limitation:

Emissions of fugitive particulate less than 10 microns shall not exceed 0.06 lb/hr.

Applicable Compliance Method:

Compliance shall be demonstrated by calculating the sum of the emissions from each transfer point.

Emissions from each transfer point shall be determined by multiplying the maximum process weight rate in tons per hour, times the emission factor for each transfer point in pounds per ton, times 22% of PM as PM10 (from a particle size distribution study on coal), times the control efficiency (90% for total enclosure and 50 % for partial enclosure). The emission factor shall be obtained using the equation* from "Determination of Fugitive Dust Emissions from Rotary Railcar Dumping" prepared for Maryland Power Siting Program - TRC Environmental, Sept 1984.

g. Emission Limitation:

Emissions of fugitive particulate less than 10 microns shall not exceed 0.21 tpy.

Applicable Compliance Method:

Compliance shall be demonstrated by calculating the sum of the emissions from each transfer point.

Emissions from each transfer point shall be determined by multiplying the maximum annual production rate in tons per year, times the emission factor for each transfer point in pounds per ton, times 22% of PM as PM10 (from a particle size distribution study on coal), times the control efficiency (90% for total enclosure and 50 % for partial enclosure) and dividing by 2000 lb/ton. The emission factor shall be obtained using the equation* from "Determination of Fugitive Dust Emissions from Rotary Railcar Dumping" prepared for Maryland Power Siting Program - TRC Environmental, Sept 1984.

h. Emission Limitation:

The permittee shall not cause to be discharged in to the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading

system processing coal, gases which exhibit 20 percent opacity or greater.

Applicable Compliance Method:

If required, compliance shall be demonstrated using the methods and procedures specified in Method 9 of 40 CFR Part 60, Appendix A.

* The equation for the emission factor from "Determination of Fugitive Dust Emissions from Rotary Railcar Dumping" prepared for Maryland Power Siting Program - TRC Environmental, Sept 1984 is as follows:

$$\text{lbs PM/ton coal} = \frac{(0.0018) (\text{silt content}/5) (\text{mean wind speed}/5) (\text{drop height}/10)}{(\text{moisture content}/2)^2}$$

Properties used:

Silt content = 6.17%

Mean wind speed = 9 miles per hour

Blended coal moisture content = 6.5%

Synfuel moisture content = 7.0%

drop height varies with each transfer point

F. Miscellaneous Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (Synfuel reagent) and the design parameters of the emission unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by the emission unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s)

Pollutant: Vinyl Acetate

TLV (ug/m3): 35000

Maximum Hourly Emission Rate (lbs/hr): 1.59

Predicted 1-Hour Maximum Ground Level Concentration(ug/m3): 806.8

MAGLC (ug/m3): 833.3

Physical changes to or changes in the method of operation of the emissions unit after installation

or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

- a. changes in the composition of the materials used (Synfuel reagents), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
- b. changes in composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 (VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the changes are defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will satisfy the "Air Toxic Policy:"

- a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
- b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and
- c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

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Emissions Unit ID: F001

SECTION 11

**APPLICABLE WASTEWATER
REQUIREMENTS**

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This permit shall expire if construction has not been initiated by the applicant within eighteen months of the effective date of this permit. By accepting this permit, the applicant acknowledges that this eighteen month period shall not be considered or construed as extending or having any effect whatsoever on any compliance schedule or deadline set forth in any administrative or court order issued to or binding upon the permit applicant, and the applicant shall abide by such compliance schedules or deadlines to avoid the initiation of additional legal action by the Ohio EPA.

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, examining records, or reports pertaining to the construction, modification, or installation of the above described source of environmental pollutants.

Issuance of this permit does not relieve you of the duty of complying with all applicable federal, state, and local laws, ordinances, and regulations.

Any well, well point, pit, or other device installed for the purpose of lowering the ground water level to facilitate construction of this project shall be properly abandoned in accordance with the provisions of this plan or as directed by the director or his representative.

Any person installing any well, well point, pit or other device used for the purpose of removing ground water from an aquifer shall complete and file a Well Log and Drilling Report form with the Ohio Department of Natural Resources, Division of Water, within 30 days of the well completion in accordance with the Ohio Revised code Section 1521.01 and 1521.05. In addition, any such facility that has a capacity to withdraw waters of the state in an amount greater than 100,000 gallons per day from all sources shall be registered by the owner with the chief of the Division of Water, Ohio Department of Natural Resources, within three months after the facility is completed in accordance with Section 1521.16 of the Ohio Revised Code. For copies of the necessary well log, drilling report, or registration forms, please contact:

Ohio Department of Natural Resources
Fountain Square
Columbus, OH 43224-1387
(614) 265-6717

The proposed wastewater disposal system shall be constructed in strict accordance with the plans and application approved by the director of the Ohio Environmental Protection Agency. There shall be no deviation from these plans without the prior express, written approval of the agency. Any deviations from these plans or the above conditions may lead to such sanctions and penalties as provided for under Ohio law. Approval of this plan and issuance of this permit does not constitute an assurance by the Ohio Environmental Protection Agency 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

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cannot meet applicable standards.

This permit to install applies only to the wastewater treatment works listed above. The installation of drinking water supplies, air contaminant sources, or solid waste disposal facilities will require the submittal of a separate application to the director.

This permit applies to a wastewater disposal system designed to serve an average daily hydraulic flow of no more than 1,260 gallons.

Roof drains, foundation drains, and other clean water connections to the disposal system are prohibited.

Construction of any wastewater treatment works shall be completed and operation of the facility approved by the Ohio Environmental Protection Agency before sewage or other wastewater is generated by the applicant or is discharged to the wastewater disposal system

The Southeast District Office of the Ohio Environmental Protection Agency shall be notified in writing as to (a) the construction starting date; (b) the construction completion date; and (c) the date the wastewater disposal system was placed into operation.

Special Conditions: Air Pollution Control Requirements:

Fugitive dust generated by this sewer construction project will be controlled as specified in OAC 3745-17-08(B) which includes, but is not limited to, the following:

No person shall cause or permit any fugitive dust source to be operated; or any materials to be handled, transported, or stored; or a building or its appurtenances or a road to be used constructed, altered, repaired, or demolished without taking or installing reasonably available control measures to prevent fugitive dust from becoming airborne. Such reasonably available control measures shall include, but not be limited to, one or more of the following which are appropriate to minimize or eliminate visible emissions or fugitive dust:

- (1) The use of water or other suitable dust suppression chemicals for the control of fugitive dust from the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land;
- (2) The periodic application of asphalt, water, or other suitable dust suppression chemicals on dirt or gravel roads and parking lots, and other surfaces which can cause emissions of fugitive dust;
- (3) The covering at all times, of open bodied vehicles when transporting materials likely to become airborne;
- (4) The paving of roadways and the maintaining of roadways in a clean condition; and
- (5) The prompt removal, in such a manner as to minimize or prevent resuspension, of earth or other materials that has been deposited by trucking or earth moving equipment or erosion by water or other means.

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Special Conditions: Division of Drinking and Groundwater Requirements

All sanitary sewers or manholes shall be placed with at least 10 feet horizontal separation from waterlines. Whenever a waterline and sewer must cross, the sewer main shall be laid such that the crown of the sewer is at least 18 inches below the invert of the waterline measured between the outside pipe walls. In cases where the required separation cannot be maintained, closer installation may be permitted on a case-by-case basis only after receipt of written concurrence from the Ohio EPA Division of Drinking Water.

Special Condition

A float switch and high water light/alarm will be installed on the tank.