



State of Ohio Environmental Protection Agency

Street Address:

Lazarus Gov. Center
122 S. Front Street
Columbus, OH 43215

TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

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

**RE: FINAL COMBINED AIR/WASTEWATER PERMIT TO INSTALL
PIKE COUNTY
Application No: 06-07283**

CERTIFIED MAIL

DATE: 1/13/2004

Portsmouth Gaseous Diffusion Plant/Becht
Rosemary Richmond
PO Box 900
Piketon, OH 45661

Y	TOXIC REVIEW
	PSD
	SYNTHETIC MINOR
	CEMS
	MACT
40 CFR Part 60, Subpart Kb	NSPS
40 CFR Part 61, Subparts A & H	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

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
309 South Fourth Street, Room 222
Columbus, Ohio 43215

Sincerely,

Michael W. Ahern

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

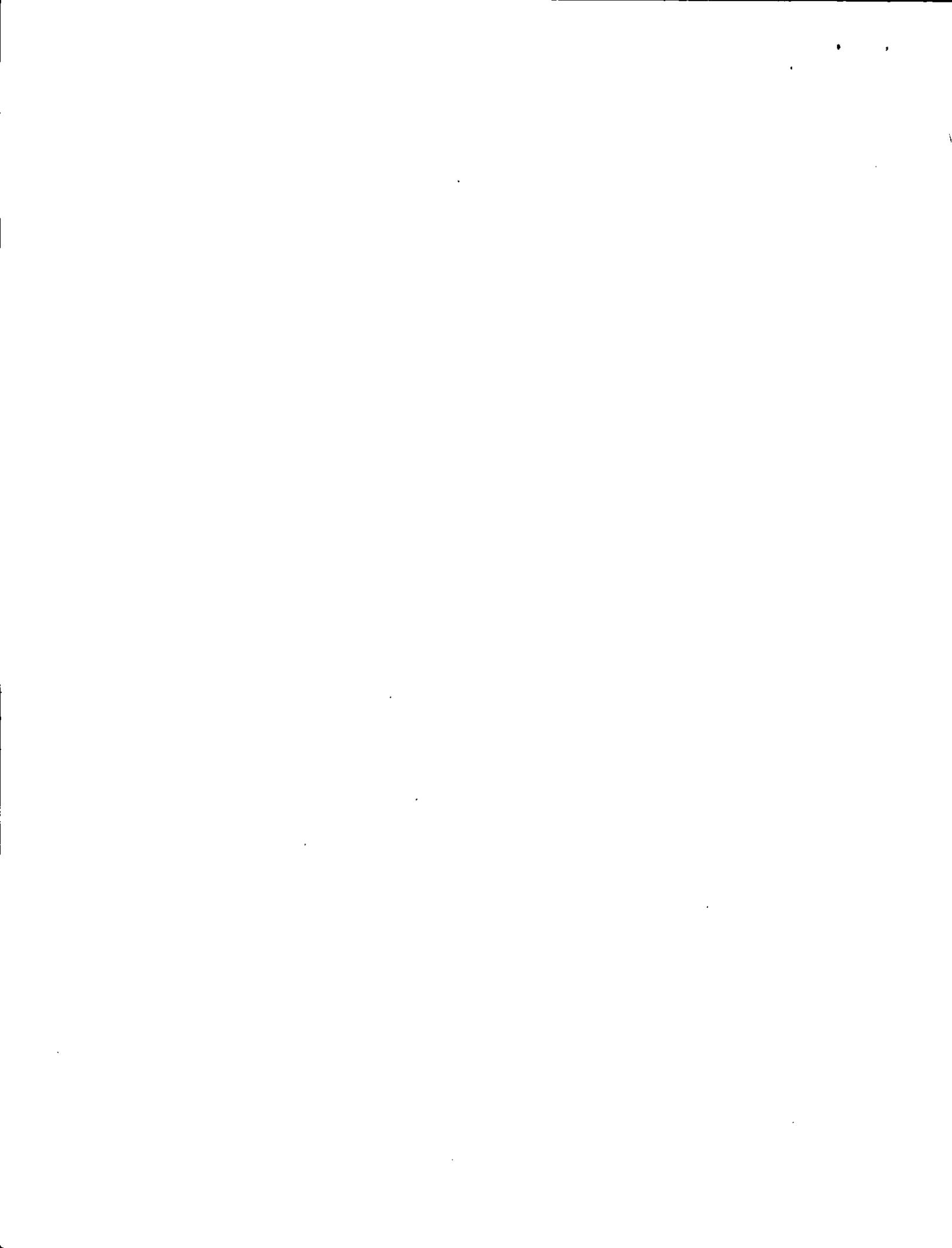
cc: USEPA

SEDO

Patti L. Smith

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

2004 JAN 22 AM 10:12
O.E.P.A.
S.E.D.O.





Permit To Install
Terms and Conditions

Issue Date: 1/13/2004
Effective Date: 1/13/2004

FINAL AIR/WASTEWATER PERMIT TO INSTALL 06-07283

Application Number: 06-07283
APS Premise Number: 0666000050
Permit Fee: \$400
Name of Facility: Portsmouth Gaseous Diffusion Plant/Becht
Person to Contact: Rosemary Richmond
Address: PO Box 900
Piketon, OH 45661

Location of proposed air contaminant source(s) [emissions unit(s)]:
3930 US Rt 23 S
Piketon, Ohio

Description of proposed emissions unit(s):
X 627 groundwater treatment.

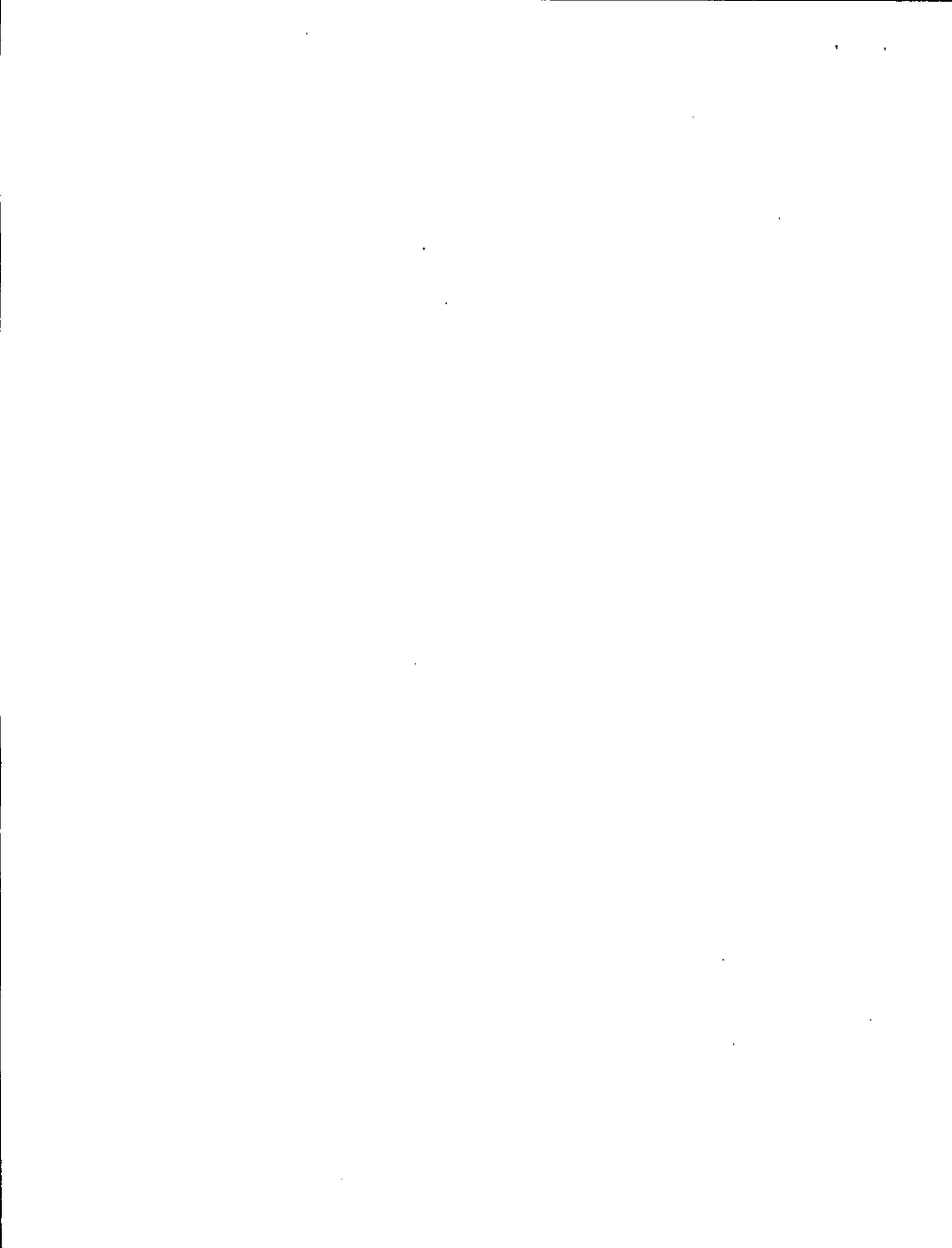
Description of Proposed Wastewater Source: Groundwater Treatment Facility for X-622 T Groundwater Treatment Facility Upgrades, Piketon, Pike County
Wastewater Person to Contact: Michael M. Arozarena
Telephone: 513-825-7500

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.

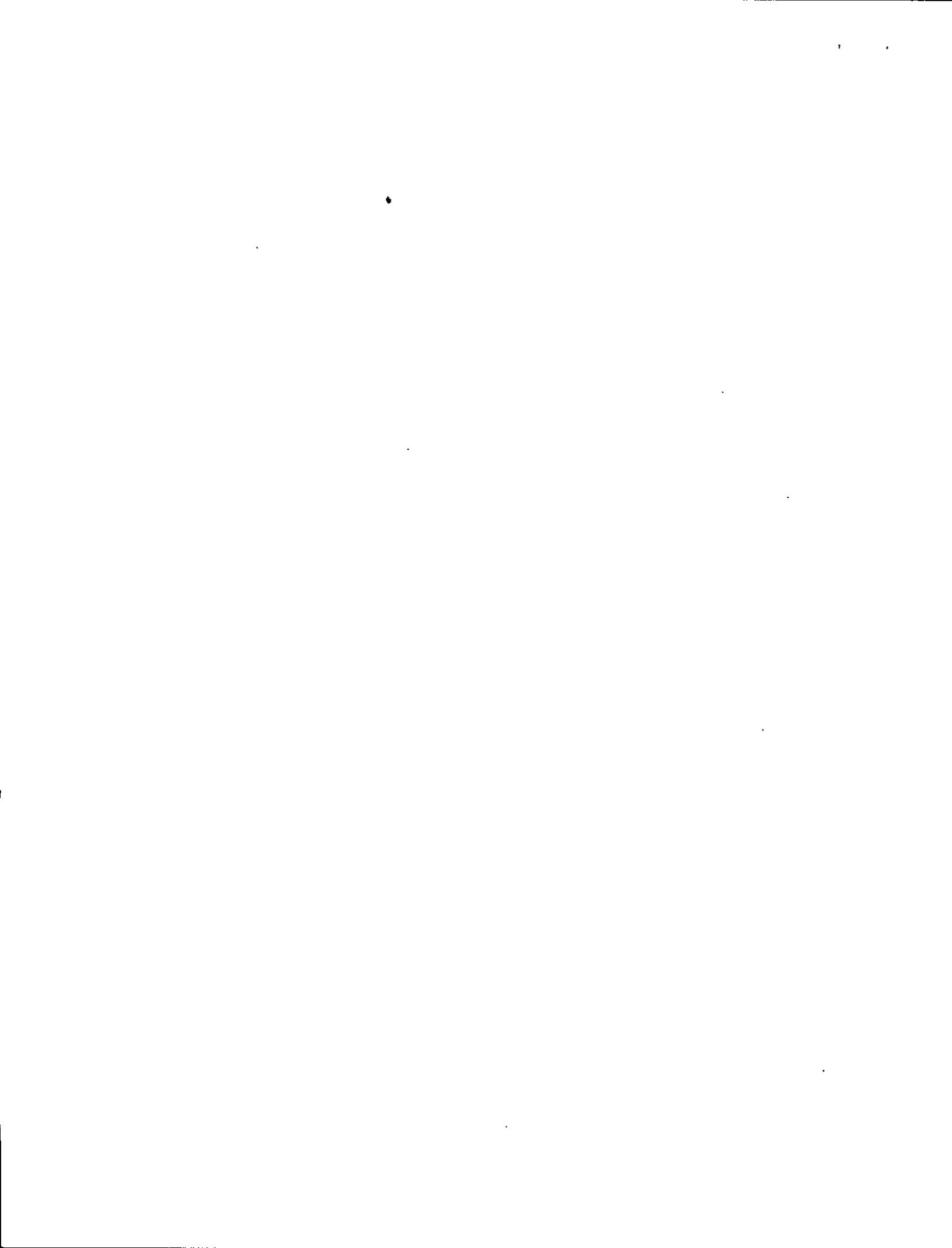
Ohio Environmental Protection Agency

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

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 Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

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.

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	1.46

Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions

1. The permittee shall submit to Ohio EPA a copy of the annual compliance report of the radionuclide emissions from all the emissions units at the facilities (DOE & USEC) as submitted to U.S. EPA and required under 40 CFR Part 61, Subparts A and H.

All copies of reports required by or relating to 40 CFR Part 61, shall be sent to:

DAPC Supervisor
Ohio Environmental Protection Agency
Southeast District Office
2195 Front Street
Logan, OH 43138

Assistant Chief Permitting
Ohio Environmental Protection Agency
Division of Air Pollution Control
Lazarus Government Center
122 South Front Street
Columbus, Ohio 43216-1049

Electronic reporting is an acceptable alternative to paper reporting with prior approval from Ohio EPA.

2. In those instances where the information requested in the annual report is classified, such information will be made available to the Ohio EPA Southeast District Office separate from the report, and will be handled and controlled according to applicable security and classification regulations and requirements.

PART III - 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>
P474 - X-627 Ground Water Treatment Facility, air stripper with liquid phase carbon absorption unit, vapor-phase carbon adsorption unit, and ancillary filtration and recovery equipment.	OAC rule 3745-31-05(A)(3)	Emissions of Organic Compounds (OC) shall not exceed 0.27 lb/hr. Emissions of OC shall not exceed 1.18 TPY. The requirements of this rule also include compliance with the requirements of 40 CFR Part 61, Subparts A & H.
	OAC rule 3745-31-05(a)(2)(d)	See A.2.a and Part II.A.1

2. Additional Terms and Conditions

- 2.a OAC rule 3745-31-05(A)(2)(d) provides that the director shall issue a permit on the basis that the new installation shall be in compliance with "National Emission Standards for Hazardous Air Pollutants" adopted by the administrator of the United States environmental protection agency pursuant to section 112 of the Clean Air Act and the regulations promulgated thereunder (including 40 CFR Part 61 and 40 CFR Part 63). Due to the information supplied by Bechtel Jacobs Company LLC and the cited rule, the permittee and any additional facility or organization entering into a contractual agreement with Bechtel Jacobs Company LLC for work at this site shall comply with all the requirements of 40 CFR Part 61, Subparts A and H.

B. Operational Restrictions

1. The permittee shall operate the liquid phase carbon absorption unit, and the vapor-phase carbon adsorption unit system whenever this emissions unit is in operation.

C. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit P474 was evaluated based on the groundwater data from engineering report design submittal and the design parameters of the emissions 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 this emissions 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:

Pollutant: Trichloroethylene (TCE)

TLV (mg/m3): 269

Maximum Hourly Emission Rate (lbs/hr): 0.25

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 10.49

MAGLC (ug/m3): 6,405

Physical changes to or changes in the method of operation of the emissions unit after its 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 groundwater data, 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 groundwater data, 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

change(s) is (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.

2. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still 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.
3. The permittee shall maintain daily records that document any time periods when the liquid phase carbon absorption unit, and/or the vapor-phase carbon adsorption unit systems were not in service when the emissions unit was in operation.

D. Reporting Requirements

1. The permittee shall notify the Ohio EPA Southeast District Office, in writing, of any daily record showing that the liquid phase carbon absorption unit and/or the vapor-phase carbon adsorption unit systems were 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 Ohio EPA Southeast District Office within 45 days after the exceedance occurs.

E. Testing Requirements

1. Emission Limitation:

Emissions of Organic Compounds (OC) shall not exceed 0.27 lb/hr.
Applicable Compliance Method:

If required, compliance shall be determined in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 25 or 25A.

2. Emission Limitation:

Emissions of OC shall not exceed 1.18 TPY.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the allowable hourly emission rate or the actual emission rate as required in Section E.2 by the maximum hours of operation (8,760), and dividing by 2000 lbs/ton.

F. Miscellaneous Requirements

1. None

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>
T104 - X-627 Equalization Tank TA-1A, 15,000 gallon storage tank with submerged fill	OAC rule 3745-31-05(A)(3)	Emissions of Organic Compounds (OC) shall not exceed 0.27 lb/hr.
		Emissions of OC shall not exceed 1.18 TPY.
		The requirements of this rule also include compliance with the requirements of 40 CFR Part 61, Subparts A & H.
		See A.2.c
	OAC rule 3745-21-09(L)	See A.2.b.
	OAC rule 3745-31-05(a)(2)(d)	See A.2.a and Part II.A.1.

2. Additional Terms and Conditions

- 2.a OAC rule 3745-31-05(A)(2)(d) provides that the director shall issue a permit on the basis that the new installation shall be in compliance with "National Emission Standards for Hazardous Air Pollutants" adopted by the administrator of the United States environmental protection agency pursuant to section 112 of the Clean Air Act and the regulations promulgated thereunder (including 40 CFR Part 61 and 40 CFR Part 63). Due to the information supplied by Bechtel Jacobs Company LLC and the cited rule, the permittee and any additional facility or organization entering into a contractual agreement with Bechtel Jacobs Company LLC for work at this site shall comply with all the requirements of 40 CFR Part 61, Subparts A and H.

- 2.b In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.
- 2.c The submerged fill pipe(s) are to be installed and operated so they are within six (6) inches of the bottom of the storage tank.

B. Operational Restrictions

- 1. None

C. Monitoring and/or Recordkeeping Requirements

- 1. None

D. Reporting Requirements

- 1. None

E. Testing Requirements

- 1. Emission Limitation:

Emissions of Organic Compounds (OC) shall not exceed 0.14 TPY.

Compliance Method:

Compliance shall be determined by a one time calculation using the TANKS Program 4.0 or other method acceptable to the Ohio EPA Southeast District Office.

F. Miscellaneous Requirements

- 1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

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>
T105 - X-627 Equalization Tank TA-1B, 15,000 gallon storage tank with submerged fill	OAC rule 3745-31-05(A)(3)	Emissions of Organic Compounds (OC) shall not exceed 0.27 lb/hr.
		Emissions of OC shall not exceed 1.18 TPY.
		The requirements of this rule also include compliance with the requirements of 40 CFR Part 61, Subparts A & H.
		See A.2.c
	OAC rule 3745-21-09(L)	See A.2.b.
	OAC rule 3745-31-05(a)(2)(d)	See A.2.a and Part II.A.1.

2. Additional Terms and Conditions

- 2.a OAC rule 3745-31-05(A)(2)(d) provides that the director shall issue a permit on the basis that the new installation shall be in compliance with "National Emission Standards for Hazardous Air Pollutants" adopted by the administrator of the United States environmental protection agency pursuant to section 112 of the Clean Air Act and the regulations promulgated thereunder (including 40 CFR Part 61 and 40 CFR Part 63). Due to the information supplied by Bechtel Jacobs Company LLC and the cited rule, the permittee and any additional facility or organization entering into a contractual agreement with Bechtel Jacobs Company LLC for work at this site shall comply with all the requirements of 40 CFR Part 61, Subparts A and H.

- 2.b In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.
- 2.c The submerged fill pipe(s) are to be installed and operated so they are within six (6) inches of the bottom of the storage tank.

B. Operational Restrictions

- 1. None

C. Monitoring and/or Recordkeeping Requirements

- 1. None

D. Reporting Requirements

- 1. None

E. Testing Requirements

- 1. Emission Limitation:

Emissions of Organic Compounds (OC) shall not exceed 0.14 TPY.

Compliance Method:

Compliance shall be determined by a one time calculation using the TANKS Program 4.0 or other method acceptable to the Ohio EPA Southeast District Office.

F. Miscellaneous Requirements

- 1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

SECTION II

APPLICABLE WASTEWATER REQUIREMENTS

Plans Received May 30, 2003

From Environmental Quality Management Inc.

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 cannot meet applicable standards.

This permit applies to a wastewater disposal system designed to serve an average daily hydraulic flow of no more than 86,400 gallons.

No liquids, sludges, or toxic or hazardous substances other than those set forth in the approved permit shall be accepted for disposal without the prior written approval of the Ohio Environmental Protection Agency.

The applicant shall notify the Ohio Environmental Protection Agency if he does not continue as the sole user of the sewage 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.

The United States Department of Energy shall be responsible for proper operation and maintenance of the wastewater disposal system.



State of Ohio Environmental Protection Agency

Street Address:

Lazarus Gov. Center
122 S. Front Street
Columbus, OH 43215

TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

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

**RE: DRAFT COMBINED
AIR/WASTEWATER PERMIT
TO INSTALL
PIKE COUNTY
Application No: 06-07283**

CERTIFIED MAIL

DATE: 9/30/2003

Portsmouth Gaseous Diffusion Plant/Becht
Rosemary Richmond
PO Box 900
Piketon, OH 45661

Y	TOXIC REVIEW
	PSD
	SYNTHETIC MINOR
	CEMS
	MACT
	NSPS
40 CFR Part 61, Subparts A & H	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43266-0149.

A Permit to Install may be issued in proposed or final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final air Permit to Install a fee of \$400 will be due. Please do not submit any payment now.

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. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Field Operations & Permit Section at (614) 644-3631.

Very truly yours,

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

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

CC: USEPA SEDO KY WV
Pike County Health Department Environmental Quality Management Inc. United States Department of Energy



Permi

Issue Date: To be entered upon final issuance

t To Install
Terms and Conditions

Effective Date: To be entered upon final issuance

DRAFT AIR/WASTEWATER PERMIT TO INSTALL 06-07283

Application Number: 06-07283

APS Premise Number: 0666000050

Air Permit Fee: **To be entered upon final issuance**

Name of Facility: Portsmouth Gaseous Diffusion Plant/Becht

Air Person to Contact: Rosemary Richmond

Address: PO Box 900
Piketon, OH 45661

Location of proposed air contaminant source(s) [emissions unit(s)]:
3930 US Rt 23 S
Piketon, Ohio

Description of proposed emissions unit(s):
X 627 groundwater treatment.

Description of Proposed Wastewater Source: Groundwater Treatment Facility for X-622 T Groundwater Treatment Facility Upgrades, Piketon, Pike County
Wastewater Person to Contact: Michael M. Arozarena
Telephone: 513-825-7500

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

PIKE COUNTY

**OHIO ENVIRONMENTAL PROTECTION AGENCY PUBLIC NOTICE OF ISSUANCE OF A
COMBINED DRAFT PERMIT TO INSTALL (PTI) FOR PORTSMOUTH GASEOUS DIFFUSION
CORPORATION BECHTEL JACOBS, (PTI # 06-07283)**

Public notice is hereby given that the Director of the Ohio Environmental Protection Agency (EPA) issued a combined Division of Air Pollution Control and Division of Surface Waters draft Permit to Install (PTI) to Portsmouth Gaseous Diffusion Plant/Bechtel Jacobs. The draft permit was issued on September 30, 2003.

Portsmouth Gaseous Diffusion Plant/Bechtel Jacobs applied for a PTI (# 06-07283) to install a ground water treatment system and associated surface water discharge which will be used to remediate ground water contamination at the facility.

Comments concerning this draft action, or a request for a public meeting, must be sent in writing to the address identified below no later than thirty (30) days from the date this notice is published.

Copies of the permit applications, draft permit, and technical support information may be reviewed and/or copied by first calling to make an appointment at the Southeast District Office of Ohio EPA, 2195 Front Street, Logan, Ohio, telephone 740-385-8501.

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

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

APPLICABLE AIR REQUIREMENTS

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 Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

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

- a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. 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 source(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>
OC	1.46

Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions

1. The permittee shall submit to Ohio EPA a copy of the annual compliance report of the radionuclide emissions from all the emissions units at the facilities (DOE & USEC) as submitted to U.S. EPA and required under 40 CFR Part 61, Subparts A and H.

All copies of reports required by or relating to 40 CFR Part 61, shall be sent to:

DAPC Supervisor
Ohio Environmental Protection Agency
Southeast District Office
2195 Front Street
Logan, OH 43138

Assistant Chief Permitting
Ohio Environmental Protection Agency
Division of Air Pollution Control
Lazarus Government Center
122 South Front Street
Columbus, Ohio 43216-1049

Electronic reporting is an acceptable alternative to paper reporting with prior approval from Ohio EPA.

2. In those instances where the information requested in the annual report is classified, such information will be made available to the Ohio EPA Southeast District Office separate from the report, and will be handled and controlled according to applicable security and classification regulations and requirements.

PART III - 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>
P474 - X-627 Ground Water Treatment Facility, air stripper with liquid phase carbon absorption unit, vapor-phase carbon adsorption unit, and ancillary filtration and recovery equipment.	OAC rule 3745-31-05(A)(3)	Emissions of Organic Compounds (OC) shall not exceed 0.27 lb/hr. Emissions of OC shall not exceed 1.18 TPY. The requirements of this rule also include compliance with the requirements of 40 CFR Part 61, Subparts A & H.
	OAC rule 3745-31-05(a)(2)(d)	See A.2.a and Part II.A.1

2. Additional Terms and Conditions

- 2.a OAC rule 3745-31-05(A)(2)(d) provides that the director shall issue a permit on the basis that the new installation shall be in compliance with "National Emission Standards for Hazardous Air Pollutants" adopted by the administrator of the United States environmental protection agency pursuant to section 112 of the Clean Air Act and the regulations promulgated thereunder (including 40 CFR Part 61 and 40 CFR Part 63). Due to the information supplied by Bechtel Jacobs Company LLC and the cited rule, the permittee and any additional facility or organization entering into a contractual agreement with Bechtel Jacobs Company LLC for work at this site shall comply with all the requirements of 40 CFR Part 61, Subparts A and H.

B. Operational Restrictions

1. The permittee shall operate the liquid phase carbon absorption unit, and the vapor-phase carbon adsorption unit system whenever this emissions unit is in operation.

C. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit P474 was evaluated based on the groundwater data from engineering report design submittal and the design parameters of the emissions 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 this emissions 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:

Pollutant: Trichloroethylene (TCE)

TLV (mg/m³): 269

Maximum Hourly Emission Rate (lbs/hr): 0.25

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m³): 10.49

MAGLC (ug/m³): 6,405

Physical changes to or changes in the method of operation of the emissions unit after its 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 groundwater data, 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 groundwater data, 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 change(s) is (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.

2. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still 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.

3. The permittee shall maintain daily records that document any time periods when the liquid phase carbon absorption unit, and/or the vapor-phase carbon adsorption unit systems were not in service when the emissions unit was in operation.

D. Reporting Requirements

1. The permittee shall notify the Ohio EPA Southeast District Office, in writing, of any daily record showing that the liquid phase carbon absorption unit and/or the vapor-phase carbon adsorption unit systems were 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 Ohio EPA Southeast District Office within 45 days after the exceedance occurs.

E. Testing Requirements

1. Emission Limitation:

Emissions of Organic Compounds (OC) shall not exceed 0.27 lb/hr.
Applicable Compliance Method:

If required, compliance shall be determined in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 25 or 25A.

2. Emission Limitation:

Emissions of OC shall not exceed 1.18 TPY.

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the allowable hourly emission rate or the actual emission rate as required in Section E.2 by the maximum hours of operation (8,760), and dividing by 2000 lbs/ton.

F. Miscellaneous Requirements

1. None

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>
T104 - X-627 Equalization Tank TA-1A, 15,000 gallon storage tank with submerged fill	OAC rule 3745-31-05(A)(3)	Emissions of Organic Compounds (OC) shall not exceed 0.27 lb/hr. Emissions of OC shall not exceed 1.18 TPY. The requirements of this rule also include compliance with the requirements of 40 CFR Part 61, Subparts A & H. See A.2.c
	OAC rule 3745-21-09(L)	See A.2.b.
	OAC rule 3745-31-05(a)(2)(d)	See A.2.a and Part II.A.1.

2. Additional Terms and Conditions

- 2.a OAC rule 3745-31-05(A)(2)(d) provides that the director shall issue a permit on the basis that the new installation shall be in compliance with "National Emission Standards for Hazardous Air Pollutants" adopted by the administrator of the United States environmental protection agency pursuant to section 112 of the Clean Air Act and the regulations promulgated thereunder (including 40 CFR Part 61 and 40 CFR Part 63). Due to the information supplied by Bechtel Jacobs Company LLC and the cited rule, the permittee and any additional facility or organization entering into a contractual agreement with Bechtel Jacobs Company LLC for work at this site shall comply with all the requirements of 40 CFR Part 61, Subparts A and H.
- 2.b In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.
- 2.c The submerged fill pipe(s) are to be installed and operated so they are within six (6) inches of the bottom of the storage tank.

B. Operational Restrictions

1. None

C. Monitoring and/or Recordkeeping Requirements

1. None

D. Reporting Requirements

1. None

E. Testing Requirements

1. Emission Limitation:

Emissions of Organic Compounds (OC) shall not exceed 0.14 TPY.

Compliance Method:

Compliance shall be determined by a one time calculation using the TANKS Program 4.0 or other method acceptable to the Ohio EPA Southeast District Office.

F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

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>
T105 - X-627 Equalization Tank TA-1B, 15,000 gallon storage tank with submerged fill	OAC rule 3745-31-05(A)(3)	Emissions of Organic Compounds (OC) shall not exceed 0.27 lb/hr. Emissions of OC shall not exceed 1.18 TPY. The requirements of this rule also include compliance with the requirements of 40 CFR Part 61, Subparts A & H. See A.2.c
	OAC rule 3745-21-09(L)	See A.2.b.
	OAC rule 3745-31-05(a)(2)(d)	See A.2.a and Part II.A.1.

2. Additional Terms and Conditions

- 2.a OAC rule 3745-31-05(A)(2)(d) provides that the director shall issue a permit on the basis that the new installation shall be in compliance with "National Emission Standards for Hazardous Air Pollutants" adopted by the administrator of the United States environmental protection agency pursuant to section 112 of the Clean Air Act and the regulations promulgated thereunder (including 40 CFR Part 61 and 40 CFR Part 63). Due to the information supplied by Bechtel Jacobs Company LLC and the cited rule, the permittee and any additional facility or organization entering into a contractual agreement with Bechtel Jacobs Company LLC for work at this site shall comply with all the requirements of 40 CFR Part 61, Subparts A and H.
- 2.b In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.
- 2.c The submerged fill pipe(s) are to be installed and operated so they are within six (6) inches of the bottom of the storage tank.

B. Operational Restrictions

1. None

C. Monitoring and/or Recordkeeping Requirements

1. None

D. Reporting Requirements

1. None

E. Testing Requirements

1. Emission Limitation:

Emissions of Organic Compounds (OC) shall not exceed 0.14 TPY.

Compliance Method:

Compliance shall be determined by a one time calculation using the TANKS Program 4.0 or other method acceptable to the Ohio EPA Southeast District Office.

F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the emissions unit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

SECTION II

APPLICABLE WASTEWATER REQUIREMENTS

**Portsmouth Gaseous Diffusion Plant/Becht
PTI Application: 06-07283
Issued: To be entered upon final issuance**

Facility ID: 0666000050

Plans Received May 30, 2003
From Environmental Quality Management Inc.

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 cannot meet applicable standards.

This permit applies to a wastewater disposal system designed to serve an average daily hydraulic flow of no more than 86,400 gallons.

No liquids, sludges, or toxic or hazardous substances other than those set forth in the approved permit shall be accepted for disposal without the prior written approval of the Ohio Environmental Protection Agency.

The applicant shall notify the Ohio Environmental Protection Agency if he does not continue as the sole user of the sewage 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.

The United States Department of Energy shall be responsible for proper operation and maintenance of the wastewater disposal system.