



NVRO-130-05

COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

W. Tayloe Murphy, Jr.
Secretary of Natural Resources

NORTHERN VIRGINIA REGIONAL OFFICE
13901 Crown Court, Woodbridge, Virginia 22193
(703) 583-3800 Fax (703) 583-3801
www.deq.virginia.gov

Robert G. Burnley
Director

Jeffery A. Steers
Regional Director

July 14, 2005

Mr. Anthony J. Pollock
VP Global Procurement & Real Estate
Unisys Corporation
11720 Plaza America Drive
Reston, Virginia 20190

Registration No.: 73326

Dear Mr. Pollock:

Attached is a permit to construct and operate the Unisys Corporation building's diesel fired emergency generator located at 11720 Plaza America Drive in Reston, Virginia. This permit is issued in accordance with the provisions of the Commonwealth of Virginia State Air Pollution Control Board's (Board's) Regulations for the Control and Abatement of Air Pollution (Regulations).

This permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and civil penalty. Please read all permit conditions carefully.

In the course of evaluating the application and arriving at a final decision to approve the project, the Department of Environmental Quality (DEQ) deemed the application complete on April 21, 2005.

This approval to operate shall not relieve Unisys Corporation of the responsibility to comply with all other local, state, and federal permit regulations.

The Board's Regulations as contained in Title 9 of the Virginia Administrative Code 5-170-200 provides that you may request a formal hearing from this case decision by filing a petition with the Board within thirty days after this case decision notice was mailed or delivered to you. 9 VAC 5-170-180 provides that you may request direct consideration of the decision by the Board if the Director of the DEQ made the decision. Please consult the relevant regulations for additional requirements for such requests.

As provided by Rule 2A:2 of the Supreme Court of Virginia, you have thirty days from the date of service of this decision (the date you actually received this decision or the date on which it was mailed to you, whichever occurred first), within which to initiate an appeal of this decision by filing a Notice of Appeal with:

Event	Date	Initials
Code: PMNSK	7/14/05	TV
Scanned		
QC		

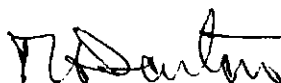
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Robert G. Burnley, Director
Department of Environmental Quality
P. O. Box 10009
Richmond, VA 23240-0009

In the event that this decision is served on you by mail, three days are added to the period in which to file an appeal. Please refer to Part Two A of the Rules of the Supreme Court of Virginia for information on the required content of the Notice of Appeal and for additional requirements governing appeals from decisions of administrative agencies.

If you have any questions concerning this permit, please call the regional office at (703) 583-3845.

Sincerely,



Terry H. Darton
Regional Air Permit Manager

THD/TMV/05130mnsr.doc

Attachment: Permit

cc: Director, OAPP (electronic file submission)
Manager, Data Analysis (electronic file submission)



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STATIONARY SOURCE PERMIT TO CONSTRUCT AND OPERATE **This permit includes designated equipment subject to**

In compliance with the Federal Clean Air Act and the Commonwealth of Virginia
Regulations for the Control and Abatement of Air Pollution,

Unisys Corporation
11720 Plaza America Drive
Reston, Virginia 20190
Registration No.: 73326

is authorized to operate

An emergency generator.

located at

Unisys Corporation
11720 Plaza America Drive
Reston, VA 20190

in accordance with the Conditions of this permit.

Approved on

July 14, 2005


Robert G. Burnley
Director, Department of Environmental Quality

Permit consists of 7 pages.
Permit Conditions 1 to 20

PERMIT CONDITIONS - the regulatory reference or authority for each condition is listed in parentheses () after each condition.

APPLICATION

1. Except as specified in this permit, the permitted facility shall be constructed and operated as represented in the permit application dated March 17, 2005. Any changes in the permit application specifications or any existing facilities which alter the impact of the facility on air quality may require a permit. Failure to obtain such a permit prior to construction may result in enforcement action.
(9 VAC 5-50-390 and 9 VAC 5-80-1210)

PROCESS REQUIREMENTS

2. **Equipment List** – Equipment to be operated at this facility consists of:

One Caterpillar diesel fired emergency generator, rated at 1818 brake horse power, Model 3512TA, with an electrical output of 1250 kW (Reference No. 1)

(9 VAC 5-80-1100)

OPERATING/EMISSION LIMITATIONS

3. **Operating Hours** – The Caterpillar diesel driven electric generator (Ref No. 1) shall not operate more than 500 hours/yr. The hours shall be calculated monthly as the sum of each consecutive twelve-month period.
(9 VAC 5-80-1180)
4. **Approved Fuels** – The approved fuel for the Caterpillar diesel driven electric generator (Ref No. 1) is low sulfur diesel oil. A change in fuel types may require a permit to modify and operate.
(9 VAC 5-80-1100)
5. **Fuel Specification** – The fuel shall meet the specifications below:

Low sulfur diesel fuel that meets the ASTM D975 fuel oil specifications for low sulfur diesel oil.
Maximum sulfur content per shipment: 0.5%

(9 VAC 5-80-1180)
6. **Emission Limits** – Emissions from the operation of the generator shall not exceed the limits specified below:

Sulfur Dioxide	2.56 lbs./hr	6.64 tons/yr.
Nitrogen Oxides (as NO ₂)	41.35 lbs./hr	10.34 tons/yr.
Carbon Monoxide	11.46 lbs./hr	2.87 tons/yr.

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition number 3, 4, and 5.
(9 VAC 5-50-260 and 9 VAC 5-50-180)

7. **Visible Emission Limit** – Visible emissions from the Caterpillar diesel driven electric generator, (Ref No. 1) shall not exceed 20 percent opacity except during one six-minute period in which visible emissions shall not exceed 30 percent opacity except during startup and shutdown as determined by EPA Method 9 (reference 40 CFR 60, Appendix A) when firing diesel oil.
(9 VAC 5-50-80, and 9 VAC 5-50-260)
8. **Testing/Monitoring Ports** - The permitted facility shall be constructed so as to allow for emissions testing and monitoring upon reasonable notice at any time, using appropriate methods. Test ports shall be provided when requested at the appropriate locations or in accordance with the applicable performance specification.
(9 VAC 5-50-30 F)

RECORDS AND REPORTING

9. **Facility Wide Recordkeeping Requirements** - The permittee shall maintain records of emission data and operating parameters as necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Air Compliance Manager, Northern Virginia Regional Office. These records shall include, but are not limited to:
 - The annual hours of operation of the Caterpillar diesel driven electric generator (Ref No. 1), calculated monthly as the sum of each consecutive twelve-month period.

These records shall be available for inspection by the DEQ and shall be current for the most recent five years.
(9 VAC 5-50-50)

10. **Fuel Certification** - The permittee shall obtain a certification from the fuel supplier with each shipment of diesel fuel oil. Each fuel supplier certification shall include the following:
 - a. The name of the fuel supplier;
 - b. The date on which the diesel fuel oil was received;
 - c. The volume of diesel fuel oil delivered in the shipment;
 - d. A statement that the diesel fuel oil complies with the American Society for Testing and Materials (ASTM) specifications D975-02 for numbers 1 or 2 low sulfur diesel fuel oil, and

e. The sulfur content of the diesel fuel oil.

(9 VAC 5-80-1180, and 9 VAC 5-50-410)

11. **Operating and Training Procedures** – Emergency generator emissions shall be controlled by proper operation and maintenance. Emergency generator operators shall be trained in the proper operation of all such equipment. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at minimum. The permittee shall maintain records of the required training including a statement of time, place and nature of training provided. The permittee shall have available good written operating procedures and a maintenance schedule for the boilers and air pollution control equipment. These procedures shall be based on the manufacturer's recommendations, at minimum. All records required by this condition shall be kept on site and made available for inspection by the DEQ.
(9 VAC 5-170-160)

GENERAL CONDITIONS

12. **Certification of Documents:**

- A. The following documents submitted to the Board shall be signed by a responsible official: (i) any emission statement, application, form, report, or compliance certification; (ii) any document required to be signed by any provision of the regulations of the board; or (iii) any other document containing emissions data or compliance information the owner wishes the board to consider in the administration of its air quality programs. A responsible official is defined as follows:
1. For a business entity, such as a corporation, association or cooperative, a responsible official is either:
 - a. The president, secretary, treasurer, or a vice president of the business entity in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the business entity; or
 - b. A duly authorized representative of such business entity if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit and either (i) the facilities employ more than 250 persons or have gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars) or (ii) the authority to sign documents has been assigned or delegated to such representative in accordance with procedures of the business entity.
 2. For a partnership or sole proprietorship, a responsible official is a general partner or the proprietor, respectively.

3. For a municipality, state, federal, or other public agency, a responsible official is either a principal executive officer or ranking elected official. A principal executive officer of a federal agency includes the chief executive officer having responsibility for the overall operations of the principal geographic unit of the agency.

- B. Any person signing a document under subsection A above shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who managed the system, or those persons directly responsible for gathering and evaluating the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

- C. Subsection B shall be interpreted to mean that the signer must have some form of direction or supervision over the persons gathering the data and preparing the document (the preparers), although the signer need not personally nor directly supervise these activities. The signer need not be in the same line of authority as the preparers, or do the persons gathering the form need to be employees (e.g., outside contractors can be used). It is sufficient that the signer has authority to assure that the necessary action is taken to prepare a complete and accurate document.

(9 VAC 5-20-230)

13. **Right of Entry** - The permittee shall allow authorized local, state, and federal representatives, upon the presentation of appropriate credentials:
 - a. To enter upon the permittee's premises on which the facility is located or in which any records are required to be kept under the terms and conditions of this permit;
 - b. To have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit or the State Air Pollution Control Board Regulations;
 - c. To inspect at reasonable times any facility, equipment, or process subject to the terms and conditions of this permit or the State Air Pollution Control Board Regulations; and
 - d. To sample or test at reasonable times.

For purposes of this condition, the time for inspection shall be deemed reasonable during regular business hours or whenever the facility is in operation. Nothing contained herein shall make an inspection time unreasonable during an emergency.
(9 VAC 5-170-130)

14. **Violation of Ambient Air Quality Standard** - The permittee shall, upon request of the Board (DEQ), reduce the level of operation at the facility if the Board (DEQ) determines that this is necessary to prevent a violation of any primary ambient air quality standard. Under worst case conditions, the Board (DEQ) may order that the owner shut down the facility, if there is no other method of operation to avoid a violation of the primary ambient air quality standard. The Board (DEQ) reserves the right to prescribe the method of determining if a facility will cause such a violation. In such cases, the facility shall not be returned to operation until it and the associated air pollution control equipment are able to operate without violation of any primary ambient air quality standard.
(9 VAC 5-20-180 I)

15. **Maintenance/Operating Procedures** - The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment, monitoring devices, and process equipment which affect such emissions:

- a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.
- b. Maintain an inventory of spare parts.
- c. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.
- d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

Records of maintenance and training shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.
(9 VAC 5-50-20 E)

16. **Permit Suspension/Revocation** - This permit may be suspended or revoked if the permittee:
- a. Knowingly makes material misstatements in the application for this permit or any amendments to it;
 - b. Fails to comply with the conditions of this permit;
 - c. Fails to comply with any emission standards applicable to the equipment listed in Condition No. 2;
 - d. Causes emissions from this facility which result in violations of, or interferes with the attainment and maintenance of, any ambient air quality standard;

- e. Fails to operate this facility in conformance with any applicable control strategy, including any emission standards or emission limitations, in the State Implementation Plan in effect on the date that the application for this permit is submitted;
- f. Fails to modify or operate this facility in accordance with the application for this permit or any amendments to it; or
- g. Allows the permit to become invalid.

(9 VAC 5-80-1210)

- 17. **Notification for Facility or Control Equipment Malfunction** - The permittee shall furnish notification to the Air Compliance Manager, Northern Virginia Regional Office of malfunctions of the affected facility or related air pollution control equipment that may cause excess emissions for more than one hour, by facsimile transmission, telephone or telegraph. Such notification shall be made as soon as practicable but not later than four daytime business hours of the malfunction. The permittee shall provide a written statement giving all pertinent facts, including the estimated duration of the breakdown, within 14 days of the occurrence. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the permittee shall notify the Air Compliance Manager, Northern Virginia Regional Office in writing.
(9 VAC 5-20-180 C)
- 18. **Change of Ownership** - In the case of a transfer of ownership of a stationary source, the new owner shall abide by any current permit issued to the previous owner. The new owner shall notify the Air Compliance Manager, Northern Virginia Regional Office of the change of ownership within 30 days of the transfer.
(9 VAC 5-80-1240)
- 19. **Registration/Update** - Annually the permittee will be required to provide information to the DEQ or the Board, which will be used to maintain the inventory of the stationary source emissions database. The information requested may include, as appropriate: process and production data; changes in control equipment; and operating schedules. Such requests for information from the DEQ will either be in writing or by personal contact. The availability of information submitted to the DEQ or the Board will be governed by applicable provisions of the Freedom of Information Act, §§ 2.1-340 through 2.1-348 of the Code of Virginia, § 10.1-1314 (addressing information provided to the Board) of the Code of Virginia, and 9 VAC 5-170-60 of the State Air Pollution Control Board Regulations. Information provided to federal officials is subject to appropriate federal law and regulations governing confidentiality of such information.
(9 VAC 5-170-60 and 9 VAC 5-20-160)
- 20. **Permit Copy** - The permittee shall keep a copy of this permit on the premises of the facility to which it applies.
(9 VAC 5-170-160)