

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
AIR QUALITY PROGRAM

OPERATING PERMIT

In accordance with provisions of the Air Pollution Control Act, the Act of January 8, 1960, P. L. 2119, as amended, and after due consideration of an application received under Chapter 127 of the rules and regulations of the Department of Environmental Resources, the Department hereby issues this permit for the operation of the air contamination source described below.

Permit No.	<u>40-0005</u>	Source &	<u>Boiler #8</u>
Owner	<u>U.G.I. Utilities, Inc.</u>	Air	<u>Cleaver Brooks Model D52S</u>
Address	<u>247 Wyoming Avenue</u>	Cleaning	<u>Number 2 Fuel Oil</u>
	<u>Kingston, PA 18704</u>	Device	<u></u>
Attention:	<u>Mark R. Dingman</u>	Location	<u>Route 11</u>
	<u>V.P. and Gen. Mgr.</u>		<u>Hunlock Creek</u>
			<u>Luzerne County</u>

This permit is subject to the following conditions:

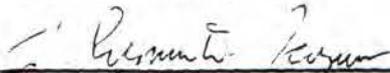
- (1) That the source and any associated air cleaning devices are to be:
 - (a) operated in such a manner as not to cause air pollution;
 - (b) in compliance with the specifications and conditions of the plan approvals previously issued for this source;
 - (c) operated and maintained in a manner consistent with good operating and maintenance practices.
- (2) This permit is valid only for the specific equipment, location and owner named above.

SEE ATTACHED.

Failure to comply with the conditions placed on this permit is in violation of Section 127.25. Violation of this or any other provision of Article III of the rules and regulations of the Department of Environmental Resources will result in suspension or revocation of this permit and/or prosecution under Section 9 of the Air Pollution Control Act.

Issued December 20, 1994

Expires August 31, 1999


 Thomas A. DiLazaro
 Program Manager
 Air Quality Program

- (3) In accordance with Sections 6.3(e) and 6.3(j) of the Pennsylvania Air Pollution Control Act (as amended) a two hundred fifth dollar (\$250.00) annual operating permit administrative fee is required each year. This administrative fee is to be submitted thirty (30) days prior to the anniversary date of this operating permit; and is to be submitted with the attached transmittal form.
- (4) This Operating Permit is valid for a limited time and may be renewed before its expiration. Requests for an Operating Permit Renewal must be in writing and must be accompanied by a permit fee in the amount of five hundred dollars (\$500.00) payable to the "Commonwealth of Pennsylvania - Clean Air Fund" (\$250.00 application processing fee and \$250.00 annual administrative fee). The request should be made on an Interim Application for Renewal of a Permit to Operate form and must be received by the Department along with a completed Compliance History form no later than the first of the month in which the permit expires.
- (3) This Operating Permit is issued for Package Boiler No. 8.
- (4) NOx RACT for the package boiler No. 8 shall be the installation, maintenance and operation of the source according to manufacturers specifications in accordance with the presumptive RACT emission limitation as found in 25 PA Code Section 129.93(b)(2).
- (5) The company shall maintain records in accordance with the recordkeeping requirements of 25 PA Code Section 129.95 and shall include as a minimum the following:
 - (a) Data which clearly demonstrate that the heat input for the auxiliary boiler never exceeds its rated capacity.
 - (b) All records shall be maintained for at least two years and shall be made available to the Department upon request.
- (6) The expiration date shown on this Operating Permit is for State purposes. For Federal Enforcement purposes, the Operating Permit shall remain in effect as part of the State Implementation Plan (SIP) until replaced pursuant to 40 CFR 51.4 and approved by the U.S. Environmental Protection Agency (EPA). The Operating Permit shall become enforceable by the U.S. EPA upon its approval of the above as a revision to the SIP.

- (7) This Operating Permit is valid for a limited period of time and may be renewed before its expiration date. Requests for an Operating Permit Renewal must be in writing and must be accompanied by a permit fee in the amount of (five hundred dollars) \$500.00 (\$250.00 application processing fee and \$250.00 annual administration fee). The request should be made on an Interim Application for Renewal of a Permit to Operate form and must be received by the Department along with a completed Compliance History form.

An annual Operating Permit administration fee of two hundred fifty dollars (\$250.00) is also due no later than the anniversary date of this Operating Permit. The administration fee is to be submitted with one of the transmittal forms (attached).

- (8) Any notification required as a result of any condition herein should be directed to:

Thomas A. Dilazaro
Program Manager
Department of Environmental Resources
Air Quality Program
667 North River St.
Plains, PA 18705-1099.

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL RESOURCES
 AIR QUALITY PROGRAM



PLAN APPROVAL

Permit No.	<u>40-0005A</u>	Source &	<u>Boiler No. 6</u>
Owner	<u>U.G.I. Utilities, Inc.</u>	Air	<u>Anthracite Coal (Fuel)</u> <u>Low Excess Air, Combustion Air</u>
Address	<u>247 Wyoming Avenue</u>	Cleaning	<u>Distribution & Fuel Biasing</u> <u>2 Electrostatic Precipitators</u>
	<u>Kingston, PA 18704</u>	Device	<u>U.O.P. Flue Gas Conditioner</u>
Attention:	<u>Mark R. Dingman</u>	Location	<u>Route 11</u> <u>Hunlock Creek</u> <u>Luzerne County</u>
	<u>V.P. & Gen. Manager</u>		

In accordance with provisions of the Air Pollution Control Act, the Act of January 3, 1960, P. L. 2119, as amended, and with Chapter 127 of the rules and regulations of the Department of Environmental Resources, the Department on December 20, 1994 approved plans modification of the above indicated air amination source.

This PLAN APPROVAL expires March 31, 1995.

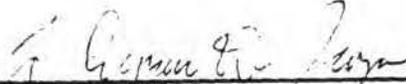
The plan Approval is subject to the following conditions:

- (1) The source is to be modified in accordance with the plans submitted with the application (as approved herein).

(SEE ATTACHED)

Notify the person noted below when the installation is completed so that the source can be inspected for issuance of an OPERATING PERMIT.

NOTE: Babu H. Patel
 Chief, Engineering Services
 Air Quality Program
 Cross Valley Centre
 667 North River Street
 Plains, PA 18705-1099


 Thomas A. DiLazaro
 Program Manager
 Air Quality Program

- (2) This Plan Approval includes Reasonably Available Control Technology (RACT) determination for Boiler No. 6 as required by the Title I of the CAAA; and, by the 25 PA Code, Section 129.91-4.
- (3) This RACT Plan Approval is for the installation and operation of Low Excess Air, Combustion Air distribution, and Fuel Biasing technologies on No. 6 Boiler.
- (4) Within 180 days after completing the installation of technologies stated in Condition No. 3, a stack test shall be performed in accordance with the provision of Chapter 139 of the Rules and Regulations of the Department of Environmental Resources to determine the NOx emission rate. The stack test shall be performed while the aforementioned source is operating at the maximum rated capacity as stated on the application.
- (5) At least two weeks prior to the test, the Regional Air Quality Program Manager shall be informed of the date and time of the test.
- (6) At least sixty (60) days prior to the test required by the Condition No. 4 pre-test protocol shall be submitted to the Department for review.
- (7) Within sixty (60) days of the completion of the test required by Condition No. 4, two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Program Manager.
- (8) Boiler No. 6 shall comply with the following NOx RACT emissions rate:
 - (a) 0.5 lb/MMBtu heat input - 30 day rolling average.
- (9) U.G.I. Utilities, Inc. shall implement the RACT requirements in accordance with schedule contained in the RACT proposal. The installation of RACT controls shall be as expeditious as practicable but no later than May 31, 1995.
- (10) Continuous monitoring requirements are as follows:
 - (a) Continuous monitors for nitrogen oxides shall be operated and maintained in accordance with the Department's "Continuous Source Monitoring Manual" (Revision No. 5-March 1993).
 - (b) Continuous monitoring shall be conducted in accordance with 25 PA Code Chapter 139 and 40 CFR 75 and be approved by the Department.

- (11) Record keeping and reporting requirements are as follows:
- (a) The company shall maintain a file containing all records and other data that are required to be collected pursuant to the various provisions of this Plan Approval, 25 PA Code Section 129.95, such that records provide sufficient data and calculations to clearly demonstrate that the requirements of 25 PA Code Sections 129.91-4 and 40 CFR 75 are met. This file shall include, but not be limited to: all air pollution control system performance evaluations and records of calibration checks, adjustments and maintenance performed on all equipment which is subject to this Plan Approval and 40 CFR 75. All measurements, records, and other data required to be maintained by the company shall be retained for at least two years following the date on which such measurements, records or data are recorded.
 - (b) All CEM reports shall be submitted to the Department within thirty (30) days after each quarter but no later than the time frame established in the Department's latest Continuous Source Monitoring Manual. The Department reserves the right to require the report submissions in floppy disks with a format acceptable to the Department.
- (12) The permittee shall keep records showing the operation of Boiler No. 6. Recordkeeping shall be in a format approved by the Department and shall be submitted to the Regional Air Quality Program Manager by January 31 of the following year.
- (13) This Plan Approval supersedes and consolidates the existing Plan Approval Nos. 40-306-002B and 40-302-057.
- (14) Nothing in this permit shall be construed to supercede, amend or authorize violation of the provisions of any valid and applicable local law, ordinance or regulation, provided that said local law, ordinance or regulation is not preempted by the Pennsylvania Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, 35 P.S. §§4001-4015, et seq.
- (15) The permittee shall comply with the Pennsylvania Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, 35 P.S. §§4001-4015, et seq. and Title 25, Rules and Regulations, Article III, Air Resources promulgated thereunder.

- (15) This Plan Approval authorizes temporary operation of the source(s) covered by this Plan Approval provided the following conditions are met.
- (a) The Department must receive written notice from the Owner/Operator of the completion of construction and the Operator's intent to commence operation at least five (5) working days prior to the completion of construction. The notice should state when construction will be completed and when Operator expects to commence operation.
 - (b) Operation is authorized only to facilitate the start-up and shakedown of sources and air cleaning devices, to permit operations pending the issuance of an Operating Permit or to permit the evaluation of the source(s) for compliance with all applicable regulations and requirements.
 - (c) This condition authorizes temporary operation of the source(s) for a period of 180 days from the date of commencement of operation, provided the Department receives notice from the Owner/Operator pursuant to subpart (a), above.
 - (d) The Owner/Operator may request an extension if compliance with all applicable regulations and Plan Approval requirements has not been established. The extension request shall be submitted in writing at least 15 days prior to the end of this period of temporary operation and shall provide a description of the compliance status of the source, a detailed schedule for establishing compliance, and the reasons compliance has not been established.
 - (e) The notice submitted by the Owner/Operator pursuant to subpart (a), above, prior to the expiration of this Plan Approval, shall modify the plan approval expiration date. The new plan approval expiration date shall be 180 days from the date of the written notice.

(17) This Plan Approval is only valid for the incineration of those waste oils identified in your Application No. 40-306-002B for plan approval and which are generated on the premises of the U.G.I. Corporation, Route 11, Hunlock Creek, PA.

(18) The fuel may not exceed the following limitations:

<u>Constituent/Property</u>	<u>Acceptable Level</u>	<u>Analytical Technique</u>
(a) Arsenic	less than 5 ppm	Atomic absorption
(b) Cadmium	less than 2 ppm	Atomic absorption
(c) Chromium	less than 10 ppm	Atomic absorption
(d) Lead	less than 100 ppm	Atomic absorption
(e) PCB	no detectable level	H ₂ SO ₄ extraction/GC with electron capture
(f) Total Halides	less than 1000 ppm	ASTM D-808-81

(19) The ash content of the waste fuel must not exceed the level determined by the following equation:

$$\% \text{ Ash} = \frac{0.4 * X}{8.34 * Y * 10^4}$$

X = Heating Value of Fuel in BTU/Gal.

Y = Specific Gravity of Fuel.

(20) No waste oil can be used as fuel in the boiler unless the Department is provided with:

A copy of an analysis, to be done monthly, of the constituents listed in conditions No. 4 and No. 5, and the amount to be utilized.

(21) Any notification required as a result of any condition herein should be directed to:

Thomas A. DiLazaro, Program Manager
Department of Environmental Resources
Air Quality Program
Cross Valley Centre
667 North River St.,
Plains, PA 18705-1099

