OhioEPA

State of Ohio Environmental Protection Agency

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Permit to Operate an Air Contaminant Source
Terms and Conditions

Date of Issuance 12/10/82

Application Number 1576050214B003

Effective Date 12/10/82

Permit Fee $210

This document constitutes issuance to: AKRO CORPORATION
1212 7TH ST SW
CANTON OHIO 44711

of a permit to operate:

JOHNSON COAL BOILER WF-415
NO. 4 BOILER

The following terms and conditions are hereby expressly incorporated into this permit to operate:

Condition 1

The above described air contaminant source is now operating, and over the period covered by the permit will be operated, in full compliance with all applicable state and federal laws and regulations.

Condition 2

Prior to any physical change in, or change in the method of operation of, this air contaminant source which increases the amount of any air pollutant emitted, or results in the emission of any air pollutant not previously emitted, a permit to install must be granted by the Ohio Environmental Protection Agency (See Chapter 3745-31 of the Ohio Administrative Code).

Condition 3

The Director of the Ohio Environmental Protection Agency, or his authorized representative, may enter upon the premises of the source operation at any reasonable time and subject to safety requirements of the person in control of the premises for the purpose of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants and determining compliance with all applicable State and Federal air pollution laws and regulations and the terms and conditions of this permit.

Condition 4 (This condition applicable if checked: ☐)

Upon declaration of an Air Pollution Alert, Warning or Emergency Episode this air contaminant source will follow those emission reduction procedures enumerated in the Emergency Action Plan approved by the Director for this source.

Condition 5

This permit to operate shall be effective until 12/10/85. You will be contacted approximately six months prior to this date regarding the renewal of this permit. If you are not contacted, please write to this agency.

Condition 6

A permit fee in the amount specified above must be remitted within fifteen (15) days of the effective date of this permit.

Condition 7

Any transferee of this permit shall, personally, assume the responsibilities of the original permit holder-transferor. The Ohio EPA must be notified in writing of any transfer of this permit.

Condition 8 (This condition is applicable if checked: ☒)

This permit is subject to the supplementary conditions attached.

OHIO ENVIRONMENTAL PROTECTION AGENCY

Wayne L Nichols

Director

EPA 3834
4/12/78

SPECIAL TERMS AND CONDITIONS

1. Application Number: 15 76 05 0214 B003

2. Facility Name: The Akro Corporation

3. Equipment Description:

   Coal Fired Boiler - Fire Tube

4. Company ID:

   #4 Johnson Model, WF-415

5. Special Terms and Conditions:

   (a) Visible Emission Limitation:

   Except as otherwise specified in paragraphs (B) to (D) of OAC rule 3745-17-07, Akro Corp. shall not cause or allow the discharge into the ambient air from any stack, any air contaminant of a shade or density greater than 20 percent opacity.

   (b) Particulate Mass Emission Limitation:

   In accordance with the requirements of OAC rule 3745-17-10, the particulate emission discharge from Boiler No. 3 shall not exceed a maximum of 0.32 pounds of particulate emission per million BTU of actual heat input.

   (c) Sulfur Dioxide Emission Limitation:

   Sulfur dioxide emissions from Boiler No. 3 shall not exceed a maximum of 3.2 pounds of sulfur dioxide per million BTU of actual heat input.

   (d) Each shipment of coal received from the fuel supplier must meet the following minimum quality specifications on an "as received" basis:

   1) $<$ 2% Sulfur,
   2) $<$ 9% Ash, and
   3) $>$ 13,000 BTU/lb. heat content.

   (e) Akro Corp. shall submit quarterly reports to the Canton Air Pollution Control Agency concerning the quality and quantity of the coal received for use in Boiler No. 2 and Boiler No. 3 during each calendar quarter. These reports shall include the following information (as obtained from fuel supplier analyses) for each coal shipment received from the fuel supplier during the calendar quarter:

(a) the total quantity of coal received (tons);

(b) the ash content (%);

(c) the heat content (BTU/lb);

(d) the sulfur content (%); and

(e) the date(s) that each shipment was received.

The fuel supplier analyses obtained by Akro Corp. shall report the above parameters based on coal sampling and analysis procedures which are performed in accordance with ASTM methods D2234, D2013, D3177, D2015, and D3174.

The quarterly reports shall be submitted by February 15, May 15, August 15 and November 15 of each year and shall cover the data obtained during the previous calendar quarter.

(f) Compliance with the sulfur dioxide emission limitation shall be determined on the basis of the weighted (by weight of each shipment) arithmetic average of the sulfur and heat contents from fuel supplier analyses for each calendar month and by use of the following equation:

$$\underline{ER} = \frac{(1 \times 10^6)}{H} \times \underline{S} \times .019$$

Where: $\underline{ER}$ = average monthly emission rate in pounds of sulfur dioxide per MM BTU;
$\underline{H}$ = the weighted arithmetic average monthly heat content in BTU per pound; and
$\underline{S}$ = the weighted arithmetic average monthly sulfur content in percent.

(g) Only one boiler (Boiler No. 2 or No. 3) may be operated at any one time.

(h) At all times during the operation of Boiler No. 3 the steam injection system must be employed as well as the Breslove collector (one collector with the second sealed off).

(i) Malfunction Reporting:

Any malfunction of Boiler No. 3 or its associated air pollution control equipment, shall be reported by Akro Corp. to the Canton Air Pollution Control Agency in accordance with, and if required by, the provisions of OAC rule 3745-15-06.

(j) Continuous Opacity Monitoring/Recording/Excess Emission Reporting:

Upon issuance of this permit, Akro Corp. shall continue to operate, maintain, and calibrate as necessary, the continuous opacity monitor and recorder in accordance with the requirements of 40 CFR, Part 60, Section 60.13. Quarterly excess emission reports shall be submitted by Akro Corp. to the Canton City Air Pollution Control Agency in accordance with 40 CFR, Part 60, Section 60.7. Excess emissions shall be defined as any six-minute period during which the average opacity of emissions exceeds 20 percent opacity, except that one six-minute average per hour of up to 60 percent opacity need not be reported. The reports shall be submitted on February 15, May 15, August 15 and November 15 of each year. Each report shall cover any excess emissions which occurred during the previous calendar quarter.

All maintenance activities on these two devices are to be documented and filed for a period of at least 2 years for Canton Air Pollution Control Agency (APC) inspection. Recorded opacity data are also to be retained for at least 2 years for Canton Air Pollution Control Agency inspection.

(k) Stack Testing for Particulate Emissions:

By no later than six months of the expiration of this permit, Akro Corp. shall conduct, or have conducted, performance testing of the stack discharge from Boiler No. 3 in order to demonstrate compliance with the allowable particulate emission limitation specified in paragraph (5) (b) of the Special Terms and Conditions.

The test shall be conducted in accordance with procedures approved by the Canton Air Pollution Control Agency, and Akro Corp. shall submit a written report, signed by the source owner, or his authorized representative, describing the test procedures followed and the results of such tests. The Director or his representative shall be allowed to witness the tests, examine testing equipment and acquire, or cause acquisition and/or submission of, data and information necessary to provide adequate assurance that source operation, process operating parameters and other conditions, together with testing procedures, provide a valid representation and proper characterization of the source's emissions and/or control equipment performance.

Such testing shall be planned, scheduled and implemented so as to provide for:

(i) Prior written notification to the Canton Air Pollution Control Agency. Such notification shall be made thirty (30) days in advance and shall specify the source operating parameters, the proposed test procedures and the time, date, place and person(s) conducting such tests.

(ii) Submittal of the test results report within forty-five (45) days after the test completion.

PREPARED BY: ANDY PASKO
DATE PREPARED: September 29, 1982