

**Ohio Environmental Protection Agency (OEPA)**

**And**

**Ravenna Army Ammunition Plant (RVAAP)**

**1981 Correspondences**

# Permit to Operate an Air Contaminant Source Terms and Conditions

Date of Issuance 05/06/81

Application Number 16E70E00H4R023

Effective Date 05/06/81

Permit Fee \$ 30

This document constitutes issuance to: **RAVENNA ARMY AMMUNITION PLANT**  
**RAVENNA**  
**RAVENNA** **OHIO 44266**

of a permit to operate:  
**B & W OIL-FIRED BOILER MODEL 4-22 SPL**  
**POWERHOUSE #6, BOILER #1**

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 05/05/84. 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**

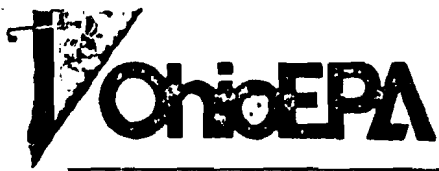
Any transferee of this permit shall, personally, assume the responsibilities of the original permit holder-transferor. The Ohio EPA must be notified in writing of any transfer of this permit.

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

This permit is subject to the supplementary conditions attached.

OHIO ENVIRONMENTAL PROTECTION AGENCY

Director



# Permit to Operate an Air Contaminant Source

## Terms and Conditions

Date of Issuance 05/06/81

Application Number 16E70G0084B024

Effective Date 05/06/81

Permit Fee \$ 30

This document constitutes issuance to: **RAVENNA ARMY AMMUNITION PLANT**  
**RAVENNA**  
**RAVENNA** **CHIC 44266**

of a permit to operate:  
**P & W OIL-FIRED BOILER MODEL 4-22 SPL**  
**POWEROHOUSE #6, BOILER #2**

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

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OHIO ENVIRONMENTAL PROTECTION AGENCY



# Permit to Operate an Air Contaminant Source Terms and Conditions

Date of Issuance 05/06/81

Application Number 16670E00848023

Effective Date 05/06/81

Permit Fee \$ 30

This document constitutes issuance to: **RAVENNA ARMY AMMUNITION PLANT  
RAVENNA  
RAVENNA**

**OHIO 44266**

of a permit to operate:

**R & W OIL-FIRED BOILER MODEL 4-22 SPL  
POWERHOUSE #6, BOILER #1**

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OHIO ENVIRONMENTAL PROTECTION AGENCY

Director

# Permit to Operate an Air Contaminant Source

## Terms and Conditions

Date of Issuance 05/06/81Application Number 166700004H024Effective Date 05/06/81Permit Fee \$ 50This document constitutes issuance to: **RAVENNA ARMY AMMUNITION PLANT**  
**RAVENNA**  
**RAVENNA**

OHIO 4426E

of a permit to operate:

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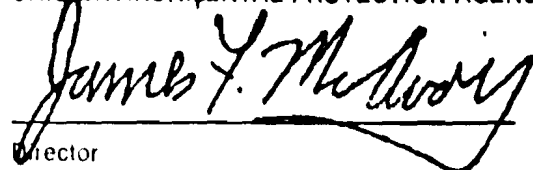
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This permit is subject to the supplementary conditions attached.

OHIO ENVIRONMENTAL PROTECTION AGENCY

  
Director

File



# AIR POLLUTION CONTROL

Serving: AKRON, BARBERTON, KENT, RAVENNA; MEDINA, SUMMIT & PORTAGE COUNTIES

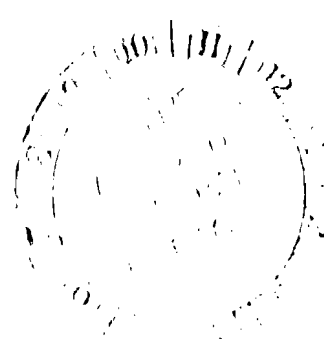
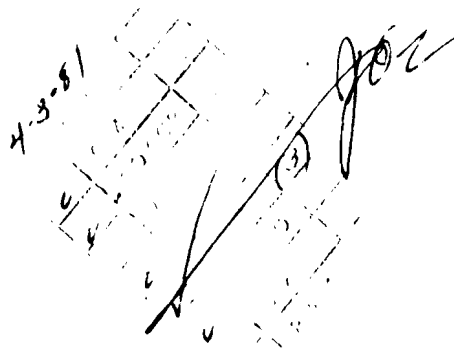
177 S. Broadway • Akron, Ohio 44308

Telephone: (216) 375-2480

ADMINISTRATOR  
NORMAN F. KECKLER, P.E.

DATE April 2, 1981

PERMIT NO. #507



Mr. A. W. Meier  
Load Line No. 6  
Ravenna Army Ammunition Plant  
Ravenna, OH 44266

Dear Mr. Meier:

This office has reviewed your application for permission to open burn dated: April 1, 1981

Open burning, as described below, shall be undertaken in accordance with the provisions set forth in regulation: OAC 3745-19-04 (D) (1)

This regulation conditionally permits open burning:

- for the disposal of hazardous or toxic wastes
- or
- for instruction in methods of fire fighting
- or
- in emergency or other extraordinary circumstances
- or
- for the disposal of landscape wastes in unrestricted areas, using an air curtain destructor or equivalent device
- or
- for recognized agricultural management purposes in restricted or in unrestricted areas.

Permission is hereby granted for open burning as follows:

Materials to be burned: 300 pounds of contaminated wrapping paper, boxes that contained explosives, rags and residues that have been in contact with explosives.

Location of the burning: Load Line No. 6 - Ravenna Army Ammunition Plant.

#### ADVISORY COMMITTEE

PAUL V. BASEL • EDWARD M. BINIC • DR. FREDERICK A. FRI, JR. • ERNEST R. GENOVESE • P. DAVID GURA • W. E. HAGERMAN  
G. FORD HOVIS • MRS. JOHN W. INGRAM • O. C. JONES • COLEMAN J. MAJOR • MASON McCONNELL • JOHN R. MOORE  
MRS. EDWIN H. SONNECKEN • ARTHUR R. WILSON • DAVID WILSON • HOWARD R. WILSON

The burning shall take place:

x on or during: April 28, 1981 or April 29, 1981  
or  
\_\_\_\_\_ on any day having appropriate weather conditions between the date  
of issuance of this permission and:  
\_\_\_\_\_ between the hours of \_\_\_\_\_ and \_\_\_\_\_  
\_\_\_\_\_ additional conditions:

Burning shall not occur when an air alert, warning, or emergency is in effect.

Violations of any of the conditions of this permission shall be grounds for revocation of this permission and refusal to grant future permission, as well as for the imposition of other sanctions provided by law.

This permission does not relieve you of the responsibility to comply with any other applicable statute or regulation of any other department of the State government, including the Department of Natural Resources. Also, this permission to open burn does not relieve you of the duty of complying with any applicable local ordinance or regulation. You should consult local law enforcement authorities to determine whether the burning will violate any of these laws or regulations.

Very truly yours,

*J. J. Garro m.p.*

Jerry J. Garro  
Air Monitoring Officer

JJG/ly

cc ~~Fire Chief~~ Fire Brigade, Ravenna Arsenal  
APC Inspector(s) W. Scott

MR ROBERT J KASPER  
SARRY  
AV 346-3324

ENVIRONMENTAL MANAGEMENT-B-OBJECTIVES (EMBO) REPORT  
FOS DD-W(SA) 1465

INSTALLATION NAME

RAVENNA AAP

REPORT DATE: JUNE 81  
PAGE: 1

SECTION I - GENERAL

A. AIR QUALITY

1. THE INSTALLATION IS LOCATED IN AN AIR QUALITY CONTROL REGION(S) CLASSIFIED AS IN:  
ATTAINMENT [ ]  
NONATTAINMENT [ ]  
(C539) LAST REPORT: ATTAINMENT
2. IF NONATTAINMENT, CHECK THOSE POLLUTANTS WHICH ARE IN NONATTAINMENT: TSP [ ] SO2 [ ] CO [ ] NOX [ ]  
OZONE [ ] HYDROCARBONS [ ] LEAD [ ]  
(C542) LAST REPORT: ....., ....., ....., ....., ....., ....., .....
3. NUMBER OF POINT SOURCES (24X 40 CFR 51.1) LOCATED ON INSTALLATION: [ ]  
(C106) LAST REPORT: 2
4. IS A TRANSPORTATION CONTROL PLAN (TCP) OTHER THAN VEHICLE I&M REQUIRED FOR THE INSTALLATION? (SEE 40 CFR 51.1 AND CLEAN AIR ACT SECTION 108 FOR EXAMPLES OF TCP'S)  
YES [ ] NO [ ]  
(C547) LAST REPORT: NO  
  
IF TCP NOT REQUIRED, SKIP ITEMS 5-8.
5. IF YES, DATE THE TCP WAS COMPLETED: YR [ ] MO [ ] DA [ ]  
(C646) LAST REPORT: .....
6. IF TCP REQUIRED BUT NOT COMPLETE, DATE EXPECTED TO BE COMPLETED: YR [ ] MO [ ] DA [ ]  
(C649) LAST REPORT: .....
7. DOES THE INSTALLATION HAVE TO DEVELOP A LOCAL AIR EMERGENCY EPISODE PLAN (AEEP)? YES [ ] NO [ ]  
(C534) LAST REPORT: NO  
  
IF AEEP NOT REQUIRED, SKIP ITEMS 8 THROUGH 11.
8. IF YES, GIVE THE REGULATORY AGENCY REQUIRING THE AEEP:  
[ ..... ]  
(C536) LAST REPORT: .....
9. IF AEEP REQUIRED, GIVE COMPLETION STATUS:  
COMPLETED [ ] NOT COMPLETE [ ]  
(C535) LAST REPORT: .....
10. IF AEEP REQUIRED BUT NOT COMPLETE, DATE EXPECTED TO BE COMPLETED: YR [ ] MO [ ] DA [ ]  
(C538) LAST REPORT: .....
11. DATE AEEP LAST EXERCISED: YR [ ] MO [ ] DA [ ]  
AGENCY REQUIRES EXERCISING YES [ ] NO [ ]  
(C537) LAST REPORT: .....
12. IS A VEHICLE ENVIRONMENTAL INSPECTION AND MAINTENANCE (I&M) PLAN REQUIRED? YES [ ] NO [ ]  
(C635) LAST REPORT: NO  
  
IF I&M NOT REQUIRED, SKIP ITEMS 13 THROUGH 18.
13. GIVE THE REGULATORY AGENCY REQUIRING I&M: [ ..... ]  
(C643) LAST REPORT: .....
14. HAS THE I&M PLAN BEEN IMPLEMENTED?  
COMPLETED [ ] IMPLEMENTED [ ] NOT IMPLEMENTED [ ]  
(C644) LAST REPORT: .....
15. WHAT IS THE I&M INSPECTION FREQUENCY? [ ..... ]  
(C638) LAST REPORT: .....
16. IS THE INSPECTION PORTION OF I&M DONE BY:  
CONTRACT [ ] IN HOUSE [ ] STATE/LOCAL FACILITY [ ]  
(C637) LAST REPORT: .....
17. IS THE MAINTENANCE PORTION OF I&M DONE BY:  
CONTRACT [ ] IN HOUSE [ ]  
(C645) LAST REPORT: .....
18. IF IN HOUSE INSPECTION, HOW MANY EXHAUST GAS ANALYZERS ARE REQUIRED FOR THE:  
A) ADMINISTRATIVE MOTOR POOLS? [ ] (C639) LAST REPORT: .....
- B) TO&E MOTOR POOLS? [ ] (C640) LAST REPORT: .....
- NUMBER ACQUIRED FOR THE:  
C) ADMINISTRATIVE MOTOR POOLS? [ ] (C641) LAST REPORT: .....
- D) TO&E MOTOR POOLS? [ ] (C642) LAST REPORT: .....



RAVENNA ARMY AMMUNITION PLANT  
RAVENNA, OHIO 44266

Ravenna Arsenal, Inc.

AIR QUALITY:

1. There are 3 air monitoring pads which have been constructed on the installation for the purpose of continuous air monitoring.
2. One trailer equipped with the necessary instrumentation is scheduled to arrive only on plant reactivation and will be used to monitor the air for:
  - a. Particulates: Smoke  
Dust  
Condensed Vapors
  - b. Gases: NO<sub>x</sub>  
SO<sub>x</sub>  
CO<sub>x</sub>  
Hydrocarbons  
Oxidants

The monitoring program will satisfy all current EPA Standards, both State and Federal.

3. At present the only source of air pollution on the installation is the steam generating plant. With the installation in standby status, this plant is in operation during the winter months generating steam for heat.

This steam generating plant has modern automatic controls which limit the amount of air pollution. Total emission data is not available, however, a stack smoke analyzer indicates no pollution hazard.

Mobilization will require that five additional steam generating plants be activated. These plants were built in 1941 and have manually controlled oil-fired boilers. Manual operation would result in air pollution above required standards. Modernization project for Installation of Modern Automatic Controls for the five plants has been placed into long range. Automatic controls plus use of No. 5 or No. 6 fuel oil with low sulfur content would eliminate significant pollution.

4. All boilers in use must be registered with the Ohio EPA and a copy of the licenses are attached.