

The Commission, having considered the following Applications for Permit submitted by the following respective firms and having reviewed the staff recommendations and the Summary Reports attached hereto does hereby approve said Applications subject to the conditions contained with the Application, Summary Reports, or amendments thereto, and Subsection 4(d) of the Arkansas Plan of Implementation; provided, however, that the applicant complies with all general terms of the permit and all special terms and conditions to the permit, if any, which are so specified.

APPLICATION FOR PERMIT - INDUSTRIAL FACILITIES

<u>PERMIT NO.</u>	<u>FACILITY &amp; LOCATION</u>	<u>COST</u>
444-A	Allied Chemical Corporation Helena	--
445-A	Dow Chemical Company Russellville	152,000
446-A	Dow Chemical Company Magnolia	350,000
447-A	Ayers Furniture Industries Fayetteville	--
448-A	Reynolds Metals Company Jones Mill	600,000
449-A	Arkansas Power and Light Company Newark *	80,000,000
450-A	Gurdon Charcoal Company Gurdon	12,000
451-A	Frit Industries Walnut Ridge	218,500
452-A	Auto Tread Corporation Little Rock	20,000
453-A	River Service Terminal Corporation North Little Rock	5,100
92-A (MODIFICATION)	Diamond Shamrock Corporation Van Buren	1,890
406-A (MODIFICATION)	Eldra Arkansas, Inc. Osceola	100,000

COMMISSIONERS

J. B.  
[Signature]  
[Signature]  
[Signature]  
[Signature]

Salch R. Demas CHAIRMAN SUBMITTED BY John A. Mitchell DATE PASSED 1/27/78

\* The provisions of Condition (8) of the AP&L permit are subject to modification to conform with the provisions of the EPA determination to be later issued.

APPLICATION FOR PERMIT - INCINERATORS

<u>PERMIT NO.</u>	<u>FACILITY &amp; LOCATION</u>	<u>COST</u>
302-AI	Hot Spring County Memorial Hospital Malvern	---
303-AI	Animal Diagnostic Clinic (Arkansas Livestock & Poultry Commission) Springdale	25,418
304-AI	Little Rock Air Force Base Jacksonville	7,440

The Summary Reports, prepared by the staff, are designed to facilitate the administration of the air pollution control program for the State of Arkansas and, otherwise, for the convenience of the Commission and other interested persons. Copies of the Minute Orders, the Permits, and the Summary Reports are to be attached to the Applications for Permit which are on file in the Department's central office. It is further noted that the approvals of these applications are based upon information contained within the Application for Permit - not the Summary Reports. Nevertheless, the applicant is expected to forthwith notify the Department of any discrepancies found between the two documents.

COMMISSIONERS

J.B.  
K.L.  
M.H.  
S.S.  
R.H.  
C.C.

Ralph A. Dumas CHAIRMAN SUBMITTED BY John A. Mitchell DATE PASSED 1/27/78

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY  
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Allied Chemical Corporation

Helena

CSN: 540003

FIRST SUBMITTAL: 11/15/77 AMENDED: \_\_\_\_\_

CASE REFERENCES: \_\_\_\_\_

SUMMARY:

Allied Chemical Corporation purchased Gardinier Big River, Inc. on November 5, 1977 and requested transfer of Permits 300-A and 398-A from Gardinier to Allied. No new equipment or modification are included in this request.

ESTIMATED COST: --- TOTAL PROJECT: \_\_\_\_\_

COMMENCEMENT OF INSTALLATION: 11/05/77

COMMENCEMENT OF OPERATION: 11/05/77

REVIEWED BY: RMM APPROVED BY: JAM

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 444-A

COMMISSION MINUTE ORDER NUMBER: \_\_\_\_\_

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY  
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Dow Chemical Company  
Russellville

CSN: 580011

FIRST SUBMITTAL: 10/31/77 AMENDED: \_\_\_\_\_

CASE REFERENCES: \_\_\_\_\_

SUMMARY:

Dow proposes the construction of a facility for the fabrication of anodes from vendor supplied metals.

Dow asks that the process be held confidential as allowed under Section 3C of the Arkansas Air Pollution Code.

All emissions have been determined by testing at a similar facility. Particulate emissions will be controlled by a bag house and gaseous emissions are controlled by a fume scrubber. Total emissions of both gaseous and particulate matter will be 4.1 pounds an hour or less.

ESTIMATED COST: \$152,000 TOTAL PROJECT: \$6,400,000

COMMENCEMENT OF INSTALLATION: 12/12/77

COMMENCEMENT OF OPERATION: 11/15/79

REVIEWED BY: PDD APPROVED BY: JES

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 445-A

COMMISSION MINUTE ORDER NUMBER: \_\_\_\_\_

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY  
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Dow Chemical Company  
Magnolia

CSN: 140011

FIRST SUBMITTAL: 12/08/77 AMENDED: \_\_\_\_\_

CASE REFERENCES: Permit No. 95-A and 284-A

SUMMARY:

Dow proposes to install a sour gas sweetening unit on the outlet of the existing sulfur recovery unit to reduce the SO<sub>2</sub> emission rate and provide sweet gas (gas with hydrogen sulfide removed) for combustion in an existing boiler.

The hydrogen sulfide is removed by passing it counter current with a suitable amine through a packed tower. The amine absorbs the hydrogen sulfide. The amine is regenerated by passing it through a heat exchanger and a stripping tower. The hydrogen sulfide that is driven off is then sent to the sulfur recovery unit.

ESTIMATED COST: \$350,000 TOTAL PROJECT: \$450,000

COMMENCEMENT OF INSTALLATION: 07/78

COMMENCEMENT OF OPERATION: 08/78

REVIEWED BY: PDD APPROVED BY: JAM

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 446-A

COMMISSION MINUTE ORDER NUMBER: \_\_\_\_\_

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY  
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Ayers Furniture Industries

Fayetteville

CSN: 720029

FIRST SUBMITTAL: 09/06/77 AMENDED: \_\_\_\_\_

CASE REFERENCES: \_\_\_\_\_

SUMMARY:

Ayers Furniture Industries (Fort Smith) has leased and is now operating the wood furniture parts manufacturing plant at Fayetteville which was previously operated by Fulbright Wood Products.

ESTIMATED COST: -- TOTAL PROJECT: \_\_\_\_\_

COMMENCEMENT OF INSTALLATION: \_\_\_\_\_

COMMENCEMENT OF OPERATION: \_\_\_\_\_

REVIEWED BY: STC APPROVED BY: JAM

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 447-A

COMMISSION MINUTE ORDER NUMBER: \_\_\_\_\_

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY  
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Reynolds Metals Company

Jones Mill

CSN: 300030

FIRST SUBMITTAL: 11/30/77 AMENDED: \_\_\_\_\_

CASE REFERENCES: \_\_\_\_\_

SUMMARY:

Reynolds Metals Company proposes to install and operate a continuous casting and rolling aluminum sheet plant, approximately one mile north of its reduction plant at Jones Mill.

Molten aluminum will be transported from the reduction plant by truck to three 90,000 pound capacity aluminum melting furnaces. Alloy metals, flux and plant generated scrap will be added to the furnaces which will be fired with No. 6 fuel oil and will have a predicted emission rate of 27.4 pounds per hour particulates and 113.2 pounds per hour of SO<sub>2</sub>. The metal is then fed to a continuous sheet casting machine and the coiled aluminum sheet is ultimately reduced to 0.045 inches thick sheet in three phases in cold rolling mills.

A kerosene base will be used in the cold rolling process and the emissions of kerosene oil mist will be collected by a hood and passed through an oil - water separator. Testing made at other Reynolds rolling mill facilities shows a hydrocarbon emission rate of 8.2 pounds per hour. However, since this is a relatively new process, Reynolds will perform the hydrocarbon emission testing to confirm the predicted emission rate.

The fugitive emissions from the dross cooling facility will be controlled by a baghouse. Process steam requirements will be met by two 5,000,000 BTU per hour heat input boilers fired with No. 6 fuel oil, one of which will be a standby boiler. Transfer of the molten metal requires the use of specially fabricated marinite nozzles and since marinite contains asbestos, all shop air will be vented through a baghouse.

ESTIMATED COST: \$600,000 TOTAL PROJECT: \$40,000,000

COMMENCEMENT OF INSTALLATION: 04/01/78

COMMENCEMENT OF OPERATION: 01/01/80

REVIEWED BY: IHB APPROVED BY: JAM

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 448-A

COMMISSION MINUTE ORDER NUMBER: \_\_\_\_\_

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY  
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Arkansas Power and Light Company (AP&L)

Newark

CSN: 320042

FIRST SUBMITTAL: 11/01/77

AMENDED: \_\_\_\_\_

CASE REFERENCES: Independence Steam Electric Station

**SUMMARY:**

AP&L proposes the installation of a coal-fired steam electric station near Newark on the White River in Independence County, Arkansas. At the maximum rate, each of the two identical units will produce 880 megawatts (peak, 700 net at 100 percent capacity) and consume an average of 491 tons/hour of low sulfur coal (0.28 percent average) from Wyoming. The sulfur content of the coal and a common 1,000 foot stack assures that the predicted sulfur dioxide (SO<sub>2</sub>) emissions will comply with the New Source Performance Standard (NSPS) and Section 8 of the Arkansas Air Pollution Control Code. Additionally, the permit to be issued by the federal Environmental Protection Agency (EPA) concerning Prevention of Significant Deterioration (PSD) limits the SO<sub>2</sub> emission rate to 0.93 pounds per million BTU heat input, as compared to the NSPS of 1.2 pounds per million BTU of sulfur dioxide.

The particulate matter generated in the combustion process will be controlled by electrostatic precipitators (ESP's) with a guaranteed efficiency of 99.5 percent. Additionally, the ESP's will be designed to handle all of the ash produced, although only 80 percent is calculated to be entrained in the flue gases, and the collector plate area is to be 10 percent larger than that determined by the design calculations. The fugitive emissions generated by the handling of the coal and ash are to be controlled by dust suppressant sprays and fabric filters.

(See Attached Sheets)

ESTIMATED COST: \$80,000,000 TOTAL PROJECT: \$672,000,000

COMMENCEMENT OF INSTALLATION: Fall 1978

COMMENCEMENT OF OPERATION: Unit 1 - 10/82; Unit 2 - 10-84

REVIEWED BY: CDH, STC APPROVED BY: JAM

RECOMMENDATION: APPROVAL WITH SPECIAL CONDITIONS

ASSIGNED PERMIT NUMBER: 449-A

COMMISSION MINUTE ORDER NUMBER: \_\_\_\_\_

Atmospheric dispersion modelling predicts that the three hour allowable PSD increment is the most restrictive with 41 percent estimated to be used by this facility. However, this occurs at a distance of 1.5 kilometers. At 5 kilometers this is reduced to 19 percent of the increment.

Special Conditions of the permit are as follows:

- CONDITIONS:
- (1) Emissions from facility shall comply with all applicable emission regulations and boundary line standards adopted by the Arkansas Commission on Pollution Control and Ecology and the Environmental Protection Agency.
  - (2) Emissions from the facility shall not interfere with the attainment and maintenance of the National Ambient Air Quality Standards or the Significant Deterioration increments.
  - (3) Applicant shall comply with all monitoring requirements established by the EPA and other monitoring requirements established as conditions of this permit.
  - (4) The facility shall be designed and so constructed to permit the installation of flue gas scrubbers should the Commission later determine that such scrubbers are necessary to (a) comply with requirements of the EPA, (b) protect the health and welfare of the public or (c) accommodate growth in the area without causing a violation of the Prevention of Significant Deterioration increments, which increments are set forth in the 1977 amendments to the Clean Air Act.
  - (5) Prior to January 1, 1980, the permittee shall submit to the Department approvable plans for an air quality monitoring program which program will be initiated at least 18 months prior to commencement of operation of Unit No. 1 and which program shall continue in a manner approved by the Commission. The required plans shall specify, as a minimum, the contaminants and effects to be monitored; the methods to be employed; descriptions of sampling schedules, sampling equipment and locations of such equipment; and the procedures by which sampling and analytical data is to be compiled, evaluated and reported.
  - (6) Prior to January 1, 1980, the permittee shall submit to the Department an approvable plan setting forth procedures for coal sampling and, as necessary, coal blending in order that compliance with the New Source Performance Standards for sulfur dioxide will be assured.

- (7) Prior to January 1, 1980, the permittee shall submit to the Department an approvable plan describing the methods which the permittee proposes to evaluate the need for, and characteristics of, a load reduction program (or intermittent control system) which load reduction would be made to assure that ground level concentrations of sulfur dioxide, directly attributable to the permitted facility, will not exceed  $533 \mu\text{g}/\text{m}^3$  for any thirty minute duration. Said evaluation is to be initiated with commencement of operation of Unit No. 1 so that a load reduction program, if necessary, can be developed and approved by the Commission prior to commencement of operation of Unit No. 2.
- (8) The facility shall comply with the conditions attached to the EPA permit as follows:
- (a) The source shall meet the requirements for the application of Best Available Control Technology as follows:
- (i) The source shall comply with the requirements of the New Source Performance Standards (NSPS) for Solid Fossil Fuel-Fired Steam Generators (40 CFR, Part 60, Subpart D) except that the maximum emissions of TSP and  $\text{SO}_2$  shall be 0.04 and  $0.93 \text{ lbs}/10^6 \text{ BTU}$ , respectively.
- (ii) The source shall comply with the NSPS for Coal Preparation Plants (40 CFR, Part 60, Subpart Y).
- (b) The maximum emission rates of  $\text{SO}_2$  and TSP resulting from the two 880 MW coal-fired units (Unit 1 and 2) and emitted from the one common stack shall not exceed 15,510 pounds  $\text{SO}_2/\text{hr}$  and 611 pounds TSP/hr, based on the use of coal with a heat content of 8,700 BTU/lb and a maximum of sulfur and ash content at 0.45 percent and 8 percent respectively.
- (c) Compliance with the above required emission limitations shall be determined by the test methods and procedures as outlined in 40 CFR 60.46 and 60.454.

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY  
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Gurdon Charcoal Company  
Gurdon

CSN: 100032

FIRST SUBMITTAL: 1-3-78 AMENDED: \_\_\_\_\_

CASE REFERENCES: \_\_\_\_\_

SUMMARY:

Gurdon Charcoal Company proposes the installation of six Missouri type charcoal kilns near Gurdon. In anticipation of federal and/or state requirements for all charcoal kilns, it is proposed that each set of three kilns be ducted to a stack with afterburner systems installed. However, the applicant maintains that operation of the controls would not allow the proposed facility to be competitive with the existing uncontrolled charcoal operations.

Qualifications:

1. Within 120 days of start-up, the controlled and uncontrolled emission rates shall be measured using methods approved by the Department.
2. Should the uncontrolled emission rate exceed Section 7(a) of the Air Code and/or a nuisance condition be created as determined by the staff, the afterburners shall be operated continuously or operation of the kilns shall cease upon written notification by the Department.

ESTIMATED COST: \$12,000 TOTAL PROJECT: \$174,000

COMMENCEMENT OF INSTALLATION: Upon Approval

COMMENCEMENT OF OPERATION: 6-1-78

REVIEWED BY: CDH APPROVED BY: JAM

RECOMMENDATION: APPROVED WITH QUALIFICATIONS

ASSIGNED PERMIT NUMBER: 450-A

COMMISSION MINUTE ORDER NUMBER: \_\_\_\_\_

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY  
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Frit Industries

Walnut Ridge

CSN: 380019

FIRST SUBMITTAL: 11/16/77

AMENDED: \_\_\_\_\_

CASE REFERENCES: \_\_\_\_\_

**SUMMARY:**

Frit Industries has submitted an engineering proposal for the installation of control equipment designed to bring their fertilizer manufacturing facility into compliance with the SIP and the Air Code. EPA has questioned the Department's enforcement authority with respect to the SIP regulations in this particular case and a legal opinion is being sought by the Department.

**QUALIFICATION:**

- (1) All equipment is to be ordered by March 31, 1978.
- (2) Equipment installation shall begin on or about May 1, and completed by August 1, 1978.
- (3) Upon installation, source sampling shall be undertaken to demonstrate compliance with the SIP no later than 90 days after start-up.
- (4) A certification of compliance shall be submitted by Frit to this Department.

ESTIMATED COST: \$218,500

TOTAL PROJECT: \$218,500

COMMENCEMENT OF INSTALLATION: 5/1/78

COMMENCEMENT OF OPERATION: 8/1/78

REVIEWED BY: RMM

APPROVED BY: JAM

RECOMMENDATION: APPROVAL WITH QUALIFICATIONS

ASSIGNED PERMIT NUMBER: 451-A

COMMISSION MINUTE ORDER NUMBER: \_\_\_\_\_

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY  
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Auto Tread Corporation  
Little Rock

CSN: 600424

FIRST SUBMITTAL: 12/21/77 AMENDED: \_\_\_\_\_

CASE REFERENCES: \_\_\_\_\_

**SUMMARY:**

Auto Tread proposes to operate a tire retreading plant with a daily capacity of 550 tires.

Major processes will include buffing, adhesive spraying, application of tread rubber, and curing. Process steam will be provided by a 30 horsepower gas/oil-fired package boiler. A cyclone will be utilized to control emissions from the tire buffers.

ESTIMATED COST: \$20,000 TOTAL PROJECT: \$500,000

COMMENCEMENT OF INSTALLATION: \_\_\_\_\_

COMMENCEMENT OF OPERATION: January, 1978

REVIEWED BY: JBJ APPROVED BY: JAM

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 452-A

COMMISSION MINUTE ORDER NUMBER: \_\_\_\_\_

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY  
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: River Service Terminal Corporation  
North Little Rock

CSN: 600426

FIRST SUBMITTAL: 1/3/78 AMENDED: \_\_\_\_\_

CASE REFERENCES: \_\_\_\_\_

**SUMMARY:**

River Service Terminal Corporation operates a bulk barge loading and unloading facility on the Arkansas River in North Little Rock. The company plans to control fugitive dust emissions from the unloading of granular fertilizer by making the following modifications to their existing equipment and work area:

- (1) An 18,000 CFM suction fan will be installed on one side of the fertilizer unloading hopper to remove fugitive dust while the hopper is being filled.
- (2) A cyclone dust collector will be installed to collect dust from the suction fan. Material collected by the cyclone will be returned to the hopper or receiving truck.
- (3) A ten-foot wide roadway from the unloading hopper to a proposed opening in the floodwall at Walnut Street will be concreted. This should eliminate dust created by truck travel on the company's property.
- (4) Should permission not be obtained for the floodwall opening at Walnut Street, the company will pave a ten-foot wide roadway from the unloading hopper to the existing pavement at the south end of Cedar Street. This is the present route used by trucks hauling fertilizer. The roadway will be paved across all property either owned or leased by the company.

(See Attached Sheet)

ESTIMATED COST: \$5,100 TOTAL PROJECT: \$11,000

COMMENCEMENT OF INSTALLATION: Upon Approval

COMMENCEMENT OF OPERATION: \_\_\_\_\_

REVIEWED BY: JBI APPROVED BY: JAM

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 453-A

COMMISSION MINUTE ORDER NUMBER: \_\_\_\_\_

- (5) If the proposed suction fan and cyclone for the unloading hopper does not adequately control fugitive dust emissions, the company will install a 2700 CFM pressure fan on the opposite side of the hopper from the suction fan to improve dust control.

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY  
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Diamond Shamrock Corporation

Van Buren

CSN: 170013

FIRST SUBMITTAL: 12/05/77 AMENDED: \_\_\_\_\_

CASE REFERENCES: \_\_\_\_\_

SUMMARY:

Diamond Shamrock Corporation proposes to replace the existing mechanical and pneumatic conveying system for unloading and transferring bulk raw materials received via railroad hopper cars with an all air transfer system in their animal food supplements premix plant in Van Buren. The raw materials received are rice hulls, ground limestone and a vitamin B complex ingredient.

This installation will reduce a source of fugitive emissions from this facility and reduce the maintenance costs associated with the mechanical transfer system. The proposed system will place the raw material unloading operation under positive control with the only point of emission to the atmosphere being served by the proposed bin vent filter. The predicted emission rate would be 0.5 pounds per hour for a process weight rate of 25,000 pounds per hour.

ESTIMATED COST: \$1,890 TOTAL PROJECT: \$48,000

COMMENCEMENT OF INSTALLATION: \_\_\_\_\_

COMMENCEMENT OF OPERATION: \_\_\_\_\_

REVIEWED BY: IHR APPROVED BY: JAM

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 92-A (MODIFICATION)

COMMISSION MINUTE ORDER NUMBER: \_\_\_\_\_

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY  
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Eldra Arkansas, Inc.  
Osceola

CSN: 470121

FIRST SUBMITTAL: 1-16-78 AMENDED: \_\_\_\_\_

CASE REFERENCES: \_\_\_\_\_

**SUMMARY:**

On May 27, 1977 a permit was issued to Eldra Arkansas, Inc. for the installation of a facility to draw and enamel copper wire at Bentonville. Eldra now proposes to install this facility near Osceola.

The copper wire will be drawn into the desired size, coated with enamel, and baked to cure the finish. The solvents driven off during the baking process shall be catalytically combusted. It is estimated that the process will emit 1.65 pounds per hour of hydrocarbons to the atmosphere.

**QUALIFICATION:**

Thirty days prior to start-up, applicant shall submit an approvable sampling program.

ESTIMATED COST: \$100,000 TOTAL PROJECT: \$4,000,000

COMMENCEMENT OF INSTALLATION: March, 1978

COMMENCEMENT OF OPERATION: June, 1978

REVIEWED BY: CDH APPROVED BY: JAM

RECOMMENDATION: APPROVAL WITH QUALIFICATION

ASSIGNED PERMIT NUMBER: 406-A (Modification)

COMMISSION MINUTE ORDER NUMBER: \_\_\_\_\_

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY  
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Hot Spring County Memorial Hospital

Malvern

CSN: 300012

FIRST SUBMITTAL: 12/07/77 AMENDED: \_\_\_\_\_

CASE REFERENCES: \_\_\_\_\_

SUMMARY:

Hot Spring County Memorial Hospital of Malvern proposes to install a pathological incinerator, Shenandoah, Model G-71-ITC to dispose of 50 pounds per day of Type IV waste. The unit has a rated capacity of 35 pounds per hour and will be used for 1-2 hours per day. The unit has one primary and one secondary burner, with maximum capacities of 200,000 and 400,000 BTU per hour respectively. The test data submitted shows a particulate emission rate of 0.133 gr/dscf at 12% CO<sub>2</sub>.

QUALIFICATION: Within 60 days of startup the proposed unit will be stack tested using approved methods. This permit is subject to immediate revocation should said testing reflect emissions greater than that represented in the permit application.

ESTIMATED COST: \_\_\_\_\_ TOTAL PROJECT: \$4,000

COMMENCEMENT OF INSTALLATION: UPON APPROVAL

COMMENCEMENT OF OPERATION: UPON APPROVAL

REVIEWED BY: IHB APPROVED BY: JAM

RECOMMENDATION: APPROVAL WITH QUALIFICATION

ASSIGNED PERMIT NUMBER: 302-AI

COMMISSION MINUTE ORDER NUMBER: \_\_\_\_\_

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY  
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Animal Diagnostic Clinic (Arkansas Livestock & Poultry Commission)  
Springdale

CSN: 720099

FIRST SUBMITTAL: 12/13/77 AMENDED: \_\_\_\_\_

CASE REFERENCES: \_\_\_\_\_

SUMMARY:

Arkansas Livestock and Poultry Commission proposes to install a Consumat pathological incinerator, Model 120-P, at their Animal Diagnostic Clinic in Springdale, Arkansas. The unit has a design capacity of 435 lbs/hr for type 0 waste, 560 lbs/hr for type 1 waste and 290 lbs/hr for type 4 waste. The unit will be operated up to 8 hrs/day for burning 3000 lbs/day of type 0, 1 and 4 wastes. The unit has 2 primary burners of 1,300,000 BTU/hr capacity each and one secondary burner of 1,000,000 BTU/hr capacity.

ESTIMATED COST: \$25,418 TOTAL PROJECT: \$25,418

COMMENCEMENT OF INSTALLATION: \_\_\_\_\_

COMMENCEMENT OF OPERATION: \_\_\_\_\_

REVIEWED BY: IHB APPROVED BY: JAM

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 303-AI

COMMISSION MINUTE ORDER NUMBER: \_\_\_\_\_

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY  
D.A.P.C.

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Little Rock Air Force Base  
Jacksonville

CSN: 600425

FIRST SUBMITTAL: 01-11-78 AMENDED: \_\_\_\_\_

CASE REFERENCES: \_\_\_\_\_

SUMMARY:

Little Rock Air Force Base in Jacksonville proposes to install a pathological incinerator, CONSUMAT, Model C-18P, at the base hospital. The rated capacity of the unit is 50 pounds per hour for type IV waste and 50 to 80 pounds of type IV waste would be burned daily. The unit has one primary burner and one secondary burner, with rated capacity of 350,000 BTU per hour each. The test data submitted showed a particulate emission rate of 0.094 grains per dry standard cubic foot, corrected to 12% CO<sub>2</sub>.

ESTIMATED COST: \$7,440 TOTAL PROJECT: \$7,440

COMMENCEMENT OF INSTALLATION: February, 1978

COMMENCEMENT OF OPERATION: February, 1978

REVIEWED BY: IHB APPROVED: JAM

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 304-AI

COMMISSION MINUTE ORDER NUMBER: \_\_\_\_\_