

MINUTE ORDER NO. 79-38

Air Permits

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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 each applicant is hereby ordered and directed to comply 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 & LOCATION</u>	<u>COST</u>
108-A (Modification)	Ralston Purina Company Russellville	\$ -
252-A (Modification)	Tosco Corporation El Dorado	107,000
505-A (Modification)	Pine Bluff Arsenal Pine Bluff	-
560-A	Windsor Door Company Knoxville	166,000
561-A	McGraw-Edison Searcy	120,000
562-A	A. Tenenbaum Company North Little Rock	276,000
COMMISSIONERS 563-A	Mechanics Lumber Company North Little Rock	70,000
<i>JB</i> <i>BA in Billy Greda</i> <i>[Signature]</i> <i>[Signature]</i> <i>[Signature]</i> <i>[Signature]</i> <i>[Signature]</i>	564-A The Pillsbury Company DeWitt	300,000
	565-A H. E. Cummins and Sons Van Buren	50,000

Ralph A. Dumas CHAIRMAN SUBMITTED BY John A. Mitchell DATE PASSED 27 July 1979

APPLICATION FOR PERMIT - INCINERATORS

<u>PERMIT NO.</u>	<u>FACILITY & LOCATION</u>	<u>COST</u>
311-AI	Helena Hospital West Helena	\$ -
328-AI	Arkansas Children's Colony Alexander	14,973
329-AI	Shock's Food Center Waldo	-
330-AI	Lawrence Memorial Hospital Walnut Ridge	-
331-AI	Jefferson Hospital Pine Bluff	-
332-AI	St. Louis - L. R. Hospitals, Inc. - Little Rock	-
333-AI	Hays Foods Van Buren	5,879

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

JB
BT for *Billy Gresham*
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Ralph C. Dumas CHAIRMAN SUBMITTED BY John A. Mitchell DATE PASSED 27 July 1979

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUBMITTED BY Ralston Purina Company

Russellville

CSN 580001

FIRST SUBMITTAL 6-25-79 AMENDED _____

CASE REFERENCES _____

SUMMARY:

Ralston Purina proposes the installation of a 200 horsepower pellet mill to replace an existing 100 horsepower pellet mill. Emissions from the cooler dryer, which follows the pellet mill, are estimated at 4.6 pounds an hour.

ESTIMATED COST \$ Confidential TOTAL PROJECT \$ Confidential

COMMENCEMENT OF INSTALLATION 8-79

COMMENCEMENT OF OPERATION 9-79

REVIEWED BY PDD APPROVED BY JAM

RECOMMENDATION Approval

ASSIGNED PERMIT NUMBER 108-A (Modification)

COMMISSION MINUTE ORDER NUMBER _____

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUBMITTED BY Tosco Corporation

El Dorado

CSN 700016

FIRST SUBMITTAL 5-23-79 AMENDED _____

CASE REFERENCES _____

SUMMARY:

Tosco proposes to install one 24 inch smokeless flare. The flare system presently consists of one John Zink STF-SA-24S smokeless flare for low pressure releases and two 16 inch flares for high pressure releases. The low pressure flare was installed in 1974. The new 24 inch high pressure flare will be identical to the low pressure flare and will replace the two 16 inch flares. Tosco estimates that the installation of the new flare will eliminate all smoke emissions that violate Section 8 of the Arkansas Air Code. Combustion of gases from the flare is not a continuous source. The flare is used only during upsets, shutdowns, or start ups of various units. Most flaring incidents will not exceed one hour duration.

ESTIMATED COST \$ 107,000 TOTAL PROJECT \$ 710,000

COMMENCEMENT OF INSTALLATION 8-79

COMMENCEMENT OF OPERATION 1-80

REVIEWED BY PDD APPROVED BY JAM

RECOMMENDATION Approval

ASSIGNED PERMIT NUMBER 252-A (Modification)

COMMISSION MINUTE ORDER NUMBER _____

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUBMITTED BY Pine Bluff Arsenal
Pine Bluff

CSN 350116

FIRST SUBMITTAL 6-5-78 AMENDED 7-27-79

CASE REFERENCES _____

SUMMARY:

The arsenal at Pine Bluff is applying to amend its air pollution control permit (505-A). The amendment is to add a thirteenth emission point to emit methylene chloride. The emission point, a 50 foot stack, is to be 90 percent controlled by one of two charcoal adsorbers. One of the charcoal adsorbers is to be steam regenerated while the other one is in service.

Total controlled emissions of methylene chloride are to be no more than 5 lbs of the 52 lbs/hr given off by the process. The captured 47 lbs/hr of methylene chloride and 185 lbs/hr of steam are to be condensed, stored in a 2,000 gallon tank and taken by tank truck for incineration at source # 8 as permitted in the previously granted permit. The process is to operate up to 6 hours per day, 5 days a week, 52 weeks per year.

According to the Army's Edgewood testing laboratory in Baltimore, Maryland, the methylene chloride is of commercial grade and not contaminated by any other substances. The pollutant is the result of an oven drying process of extruded pellets (1/4" in diameter x 1/2" long) composed of

(continued on attached sheet)
ESTIMATED COST \$ _____ TOTAL PROJECT \$ 2,570,000

COMMENCEMENT OF INSTALLATION 1-80

COMMENCEMENT OF OPERATION 1-82

REVIEWED BY HMF APPROVED BY JAM

RECOMMENDATION Approval with qualification

ASSIGNED PERMIT NUMBER 505-A (Modification)

COMMISSION MINUTE ORDER NUMBER _____

Summary Report
Pine Bluff Arsenal
Page Two

95 percent red phosphorus and 5 percent butyl rubber. For each 1,000 lbs of finished product, 250 lbs of methylene chloride are evaporated. These pellets are eventually used as a component in the manufacture of munitions.

Qualification:

1. Prior to destruction of any methylene chloride at previously permitted incinerator source # 8, information shall be submitted to the Department demonstrating that the operating parameters of the incinerator are sufficient for complete combustion of the methylene chloride.

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUBMITTED BY Windsor Door Company

Knoxville

CSN 360022

FIRST SUBMITTAL 6-13-79 AMENDED _____

CASE REFERENCES _____

SUMMARY:

Windsor Door Company proposes the installation of a new filtration system for their rough mill and sander lines. This plant manufactures wood parts and door panels for overhead garage doors. The rough mill system consists of cut-off saws and a finger joint system to develop clear wood parts and machining operations consisting of moulders and sanders. After assembly of the door panels, two sander lines prepare these assemblies for shipment. Estimated emissions are less than 0.5 pounds an hour from both processes.

ESTIMATED COST \$ 166,000 TOTAL PROJECT \$ 180,000

COMMENCEMENT OF INSTALLATION 7-79

COMMENCEMENT OF OPERATION 8-79

REVIEWED BY PDD APPROVED BY JAM

RECOMMENDATION Approval

ASSIGNED PERMIT NUMBER 560-A

COMMISSION MINUTE ORDER NUMBER _____

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUBMITTED BY McGraw - Edison

Searcy

CSN 730053

FIRST SUBMITTAL 5-10-79 AMENDED _____

CASE REFERENCES _____

SUMMARY:

As part of their program to reduce emissions of organic compounds, the Speed Queen Division of the McGraw - Edison Company plans to switch from a high solvent low solids paint to a paint high in solids and low in solvent. This new paint will require more passes to achieve the same level of paint thickness. So that they will not have to reduce their production rate, McGraw - Edison plans to install two new paint booths. Emissions from both booths will be controlled by fabric filters with a rated efficiency of 94%. When the program is complete in 1981, the emissions of volatile organic compounds will be reduced 42% and the emissions of solids will be reduced 6%.

ESTIMATED COST \$ 120,000 TOTAL PROJECT \$ 120,000

COMMENCEMENT OF INSTALLATION 7-79

COMMENCEMENT OF OPERATION 8-79

REVIEWED BY PDD APPROVED BY JAM

RECOMMENDATION Approval

ASSIGNED PERMIT NUMBER 561-A

COMMISSION MINUTE ORDER NUMBER _____

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUBMITTED BY A. Tenenbaum Company

North Little Rock

CSN 600434

FIRST SUBMITTAL 6-18-79 AMENDED _____

CASE REFERENCES _____

SUMMARY:

The A. Tenenbaum Company proposes the installation of an old automobile body shredder. The shredder is a hammer mill which reduces the typical body to pieces of metal about fist size in less than one minute. After shredding, the pieces are conveyed over a grate, sized, and collected. Trash and other particulate matter is removed from the metal by a vacuum fan which transports it to a cyclone. The cyclone removes all but the smallest particles which are conveyed to a wet scrubber. The wet scrubber removes most of the remaining particles. Tests on similar installations show emission of less than three pounds an hour to the atmosphere. Total collection efficiency is typically greater than 99%.

ESTIMATED COST \$ 276,000 TOTAL PROJECT \$ 1,500,000

COMMENCEMENT OF INSTALLATION 7-79

COMMENCEMENT OF OPERATION 10-79

REVIEWED BY PDD APPROVED BY JAM

RECOMMENDATION Approval

ASSIGNED PERMIT NUMBER 562-A

COMMISSION MINUTE ORDER NUMBER _____

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUBMITTED BY Mechanics Lumber Company

North Little Rock

CSN 600222

FIRST SUBMITTAL 6-20-79 AMENDED _____

CASE REFERENCES _____

SUMMARY:

Mechanics Lumber Company proposes the installation of a fabric filter to control dust emissions from its lumber mill. The mill will handle 15,000 board feet of lumber per day. The waste factor will depend upon the type of material being processed. The estimated collection efficiency is 99%. Calculated emissions are .3 pounds an hour.

ESTIMATED COST \$ 70,000 TOTAL PROJECT \$ 500,000

COMMENCEMENT OF INSTALLATION 11-1-79

COMMENCEMENT OF OPERATION 12-1-79

REVIEWED BY PDD APPROVED BY JAM

RECOMMENDATION Approval

ASSIGNED PERMIT NUMBER 563-A

COMMISSION MINUTE ORDER NUMBER _____

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUBMITTED BY The Pillsbury Company

DeWitt

CSN 010031

FIRST SUBMITTAL 6-25-79 AMENDED _____

CASE REFERENCES _____

SUMMARY:

The Pillsbury Company of Minneapolis, Minnesota has purchased the rice mill at DeWitt formerly owned by Pioneer Food Industries, Inc. Pillsbury plans to install two Pneumafil fabric filters for control of dust emissions at the mill.

The two filter systems, with capacities of 23,000 cubic feet per minute and 36,750 cubic feet per minute, will control all major dust emission sources at the mill, including the grain receiving pits. The new control equipment will have a rated efficiency above 99%, and will replace existing cyclones.

Since this installation will create a reduction in emissions, PSD regulations are not applicable.

ESTIMATED COST \$ 300,000 TOTAL PROJECT \$ 300,000

COMMENCEMENT OF INSTALLATION 8-1-79

COMMENCEMENT OF OPERATION _____

REVIEWED BY JBJ APPROVED BY JAM

RECOMMENDATION Approval

ASSIGNED PERMIT NUMBER 564-A

COMMISSION MINUTE ORDER NUMBER _____

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUBMITTED BY H. E. Cummins and Sons Construction Company
Van Buren

CSN 170048

FIRST SUBMITTAL 7-12-79 AMENDED _____

CASE REFERENCES _____

SUMMARY:

H. E. Cummins proposes the installation of a barge loading facility on the Arkansas River at Van Buren. Coal is transported by truck to a coal pile and loaded onto rail cars or barges at the rate of approximately 150,000 tons a year. Fugitive emissions of coal dust will be minimized by use of water sprays on the coal pile (to be operated as needed), a low-speed covered conveyor, and an adjustable height discharge chute. No coal processing will be done at the site. The source is not subject to the SIP.

ESTIMATED COST \$ 50,000 TOTAL PROJECT \$ 300,000

COMMENCEMENT OF INSTALLATION 8-1-79

COMMENCEMENT OF OPERATION 8-15-79

REVIEWED BY STC APPROVED BY JAM

RECOMMENDATION Approval

ASSIGNED PERMIT NUMBER 565-A

COMMISSION MINUTE ORDER NUMBER _____

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUBMITTED BY Helena Hospital
West Helena

CSN 540074

FIRST SUBMITTAL 4-27-78 AMENDED 7-11-79

CASE REFERENCES _____

SUMMARY:

Helena Hospital requests a name correction on their permit. Permit #311-AI was issued to Hospital Corporation of America, an organization acting only as Helena Hospital's "agents" for development, building, and furnishing the facility. The permit should have been issued in the name of Helena Hospital.

ESTIMATED COST \$ _____ TOTAL PROJECT \$ _____

COMMENCEMENT OF INSTALLATION _____

COMMENCEMENT OF OPERATION _____

REVIEWED BY HMF APPROVED BY JAM

RECOMMENDATION Approval

ASSIGNED PERMIT NUMBER 311-AI

COMMISSION MINUTE ORDER NUMBER _____

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUBMITTED BY State of Arkansas, Arkansas Children's Colony

Alexander

CSN 630033

FIRST SUBMITTAL 5-17-79 AMENDED _____

CASE REFERENCES _____

SUMMARY:

The Arkansas Children's Colony at Alexander proposes to install a pathological Consumat incinerator (Model C-75 P). It has a capacity of 250 pounds per hour for type "0" waste, 320 pounds per hour for type "1" waste, 360 pounds per hour for type "2" waste and 175 pounds per hour for type "4" waste.

The daily waste is about 600 pounds of which a small portion is pathological. The unit will be operated about eight hours per day.

The unit has primary and secondary burners, each with a capacity of 700,000 BTU/hour and is equipped to burn natural gas.

Test data on file with the Department shows this model's particulate emissions to be less than 0.08 grains per dry standard cubic foot (gr/dscf) at 12 percent carbon dioxide (CO₂).

ESTIMATED COST \$ 14,973 TOTAL PROJECT \$ 14,973

COMMENCEMENT OF INSTALLATION _____

COMMENCEMENT OF OPERATION _____

REVIEWED BY HMF APPROVED BY JAM

RECOMMENDATION Approval

ASSIGNED PERMIT NUMBER 328-AI

COMMISSION MINUTE ORDER NUMBER _____

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUBMITTED BY Shock's Food Center

Waldo

CSN 140045

FIRST SUBMITTAL 5-10-79 AMENDED _____

CASE REFERENCES _____

SUMMARY:

Shock's Food Center of Waldo proposes to install a Fire Engineer Incinerator, Model VR-400 to burn about 700 lbs. of type "O" waste daily. The incinerator has a capacity of 310 lbs/hr. and will be operated about 2 to 3 hours/day. Test data on file with the Department shows the particulate emissions to be 0.07 grains per dry standard cubic foot (gr/dscf) at 12 percent carbon dioxide (CO₂).

ESTIMATED COST \$ - TOTAL PROJECT \$ -

COMMENCEMENT OF INSTALLATION _____

COMMENCEMENT OF OPERATION _____

REVIEWED BY HMF APPROVED BY JAM

RECOMMENDATION Approval

ASSIGNED PERMIT NUMBER 329-AI

COMMISSION MINUTE ORDER NUMBER _____

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUBMITTED BY Lawrence Memorial Hospital

Walnut Ridge

CSN 380028

FIRST SUBMITTAL 5-14-79 AMENDED _____

CASE REFERENCES _____

SUMMARY:

Lawrence Memorial Hospital proposes to install a pathological Consumat incinerator (Model C-18 P). It has a capacity of 75 pounds per hour for type "0" waste, 95 pounds per hour for type "1" waste, 85 pounds per hour for type "2" waste and 50 pounds per hour for type "4" waste.

The daily waste is estimated to total 600 pounds of which there will be up to 50 pounds of type "4" waste. The unit will be operated about eight hours per day.

The unit has primary and secondary burners, each with a capacity of 350,000 BTU/hour and is equipped to burn natural gas.

Test data on file with the Department shows this model's particulate emissions to be less than 0.094 grains per dry standard cubic foot (gr/dscf) at 12 percent carbon dioxide (CO₂).

ESTIMATED COST \$ _____ TOTAL PROJECT \$ 6,697

COMMENCEMENT OF INSTALLATION _____

COMMENCEMENT OF OPERATION _____

REVIEWED BY HMF APPROVED BY JAM

RECOMMENDATION Approval

ASSIGNED PERMIT NUMBER 330-AI

COMMISSION MINUTE ORDER NUMBER _____

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUBMITTED BY Jefferson Hospital
Pine Bluff

CSN 350119

FIRST SUBMITTAL 5-30-79 AMENDED _____

CASE REFERENCES _____

SUMMARY:

Jefferson Hospital proposes to install a pathological Consumat incinerator (Model C-18 P). It has a capacity of 75 pounds per hour for type "0" waste, 95 pounds per hour for type "1" waste, 85 pounds per hour for type "2" waste and 50 pounds per hour for type "4" waste.

The daily waste is about 80 pounds and the unit will be operated about eight hours per day.

The unit has primary and secondary burners, each with a capacity of 350,000 BTU/hour and is equipped to burn natural gas.

Test data on file with the Department shows this model's particulate emissions to be less than 0.094 grains per dry standard cubic foot (gr/dscf) at 12 percent carbon dioxide (CO₂).

ESTIMATED COST \$ _____ TOTAL PROJECT \$ 6,697

COMMENCEMENT OF INSTALLATION _____

COMMENCEMENT OF OPERATION _____

REVIEWED BY HMF APPROVED BY JAM

RECOMMENDATION Approval

ASSIGNED PERMIT NUMBER 331-AI

COMMISSION MINUTE ORDER NUMBER _____

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUBMITTED BY St. Louis - Little Rock Hospitals, Inc.
Little Rock

CSN 600435

FIRST SUBMITTAL 6-29-79 AMENDED _____

CASE REFERENCES _____

SUMMARY:

St. Louis - Little Rock Hospitals, Inc. (Missouri - Pacific Hospital) proposes to install a pathological Consumat incinerator (Model C-18 P). It has a capacity of 75 pounds per hour for type "0" waste, 95 pounds per hour for type "1" waste, 85 pounds per hour for type "2" waste and 50 pounds per hour for type "4" waste.

The daily waste is about 600 pounds and the unit will be operated about eight hours per day.

The unit has primary and secondary burners, each with a capacity of 350,000 BTU/hour and is equipped to burn natural gas.

Recent test data on file with the Department shows this model's particulate emissions to be less than 0.094 grains per dry standard cubic foot (gr/dscf) at 12 percent carbon dioxide (CO₂).

ESTIMATED COST \$ _____ TOTAL PROJECT \$ 6,697

COMMENCEMENT OF INSTALLATION _____

COMMENCEMENT OF OPERATION _____

REVIEWED BY HMF APPROVED BY JAM

RECOMMENDATION Approval

ASSIGNED PERMIT NUMBER 332-AI

COMMISSION MINUTE ORDER NUMBER _____

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUBMITTED BY Hays Foods

Van Buren

CSN 170047

FIRST SUBMITTAL 6-25-79 AMENDED _____

CASE REFERENCES _____

SUMMARY:

Hays Foods of Van Buren proposes to install a Fire Engineers Incinerator, Model VR-500, to dispose of 750 pounds of type 0 waste daily. The rated capacity of the unit is 375 pounds per hour for type 0 waste. The unit has one afterburner, with a rated capacity of 500,000 BTU per hour. A similar unit has been tested in the State of Arkansas. This test showed a particulate emission rate of 0.12 grains per dry standard cubic foot (gr/dscf) corrected to 12 percent carbon dioxide (CO₂).

ESTIMATED COST \$ 5,879 TOTAL PROJECT \$ 5,879

COMMENCEMENT OF INSTALLATION _____

COMMENCEMENT OF OPERATION _____

REVIEWED BY HMF APPROVED BY JAM

RECOMMENDATION Approval

ASSIGNED PERMIT NUMBER 333-AI

COMMISSION MINUTE ORDER NUMBER _____