

MARCH 6, 1975

MINUTE ORDER NO. 75-10

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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; 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 - PROCESS CONTROL EQUIPMENT

<u>PERMIT NO.</u>	<u>FACILITY & LOCATION</u>	<u>COST</u>
Modification of 168-A	Monsanto El Dorado, Arkansas	\$
281-A	Acme Brick Company Malvern, Arkansas	46,000
282-A	Crane Company Rogers, Arkansas	500,000
283-A	Jackson Dehi, Inc. Malvern, Arkansas	25,000
284-A	Malvern Minerals Company Hot Springs, Arkansas	15,000
285-A	Dow Chemical Company Magnolia, Arkansas	30,000

COMMISSIONERS

[Handwritten signatures and initials over the table rows]

Billy Free
Chairman

Submitted by J. E. Southall
Executive Committee

Date Passed March 6, 1975

APPLICATION FOR PERMIT - INCINERATOR

<u>PERMIT NO.</u>	<u>FACILITY & LOCATION</u>	<u>COST</u>
Modification of 218-AI	City of North Little Rock North Little Rock	\$285,000
229-AI	Piggly Wiggly Jacksonville, Arkansas	
230-AI	Piggly Wiggly Ashdown, Arkansas	

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 these 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

Don

Billy Frank
Chairman

Submitted by J. E. Southall
Executive Committee

Date Passed March 6, 1975

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Monsanto

El Dorado

CSN: 700040

FIRST SUBMITTAL: _____ AMENDED: _____

CASE REFERENCES: _____

SUMMARY:

Permit No. 168-A was issued to Monsanto on September 28, 1975 for the installation of a wet scrubber to control particulate emissions from two ammonium nitrate prilling towers. At that time the date of initial operation of the control equipment was to be January 1, 1975. Monsanto now proposes that this date be changed to March 1, 1975. The final compliance date of June 1, 1975 will not be altered by this modification.

ESTIMATED COST: _____ TOTAL PROJECT: _____

COMMENCEMENT OF INSTALLATION: _____

COMMENCEMENT OF OPERATION: _____

REVIEWED BY: CDH APPROVED: JES

RECOMMENDATION: Approval

ASSIGNED PERMIT NUMBER: Modification of No. 168-A

COMMISSION MINUTE ORDER NUMBER: _____

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Acme Brick Company
Malvern, Arkansas

CSN: 300008

FIRST SUBMITTAL: _____ AMENDED: _____

CASE REFERENCES: _____

SUMMARY:

Acme Brick Company operates a plant at Malvern which manufactures face brick. In a part of this operation, crushed clay is fed into two natural gas fired rotary kilns to produce calcine, a material used in the manufacture of brick. Acme Brick Company proposes to control the flue gases from these kilns by the use of a No. 360 Sly wet scrubber. The particulate emissions are to be less than 29 pounds per hour.

ESTIMATED COST: \$46,000 TOTAL PROJECT: _____

COMMENCEMENT OF INSTALLATION: 4-15-75

COMMENCEMENT OF OPERATION: _____

REVIEWED BY: CDH APPROVED: JES

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 281-A

COMMISSION MINUTE ORDER NUMBER: _____

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Crane Company
Rogers, Arkansas

CSN: 040025

FIRST SUBMITTAL: _____ AMENDED: _____

CASE REFERENCES: _____

SUMMARY:

Crane Company currently operates a facility in Rogers for the machining of brass castings, and now proposes to convert a part of the present plant to a brass casting facility. Two electric melting furnaces, and two electric, automatic pouring furnaces are to be used to process 2,200 pounds of new ingot brass and 180 pounds per hour of chips returned from the machining operations. An enclosed degreaser/dryer using trichloroethylene as a solvent will be used to process the chips before they are added to the melt furnaces.

Emissions from the furnaces, the sand casting operations, and the casting cleaning operations are to be controlled with four wet scrubber installations. The furnaces and pouring lines are to be controlled with a venturi scrubber and a packed tower scrubber in series. The remaining three scrubbers are of the packed tower type. The total particulate emissions from the process are to be less than 40 pounds per hour.

ESTIMATED COST: \$500,000 TOTAL PROJECT: \$5,000,000

COMMENCEMENT OF INSTALLATION: April 15, 1975

COMMENCEMENT OF OPERATION: September, 1975

REVIEWED BY: CDH APPROVED: JES

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 282-A

COMMISSION MINUTE ORDER NUMBER: _____

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Jackson Dehi, Inc.
Malvern, Arkansas

CSN: 300027

FIRST SUBMITTAL: Feb. 27, 1975 AMENDED: _____

CASE REFERENCES: _____

SUMMARY:

Jackson Dehi, Inc., proposes the installation of an alfalfa dehydration and processing plant near Malvern. This facility is designed and manufactured by the Thompson Dehydrating Company. One of the innovations included is the design in the coating of the leaves with water prior to introduction into the dryer. This minimizes the combustion of leaves in the dryer and the resulting generation of particulate matter. The particulates which are entrained in the drying air are removed by the use of mechanical collectors and recycling air streams within the circuit. Some of the smaller particulates are incinerated through the recycling of part of the stack gases to the dryer heat source. Two similar installations have been stack tested in Kansas, and the proposed emission rate is 8 pounds per hour.

ESTIMATED COST: \$25,000 TOTAL PROJECT: \$500,000

COMMENCEMENT OF INSTALLATION: April, 1975

COMMENCEMENT OF OPERATION: July, 1975

REVIEWED BY: CDH APPROVED: JES

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 283-A

COMMISSION MINUTE ORDER NUMBER: _____

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Malvern Minerals Company

220 Runyan Street, Hot Springs, Arkansas 71901

CSN: _____

FIRST SUBMITTAL: Feb. 20, 1975 AMENDED: _____

CASE REFERENCES: _____

SUMMARY:

Malvern Minerals Company of Hot Springs, Arkansas proposes to install a wet scrubber by W. W. Sly Mfg. Company to control emissions of about 50 lbs per 8 hour period. The proposed installation will reduce the emissions to less than 1 lb/hr, resulting in the recovery of valuable silica dust and reducing the air pollutant significantly and to a permissible level.

ESTIMATED COST: \$15,000 TOTAL PROJECT: \$25,000

COMMENCEMENT OF INSTALLATION: March, 1975

COMMENCEMENT OF OPERATION: April, 1975

REVIEWED BY: Steve Bohra APPROVED: JES

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 284-A

COMMISSION MINUTE ORDER NUMBER: _____

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: DOW CHEMICAL U. S. A.

Magnolia

CSN: 140011

FIRST SUBMITTAL: 1/20/75 AMENDED: _____

CASE REFERENCES: _____

SUMMARY: Dow proposes to install additional air pollution control equipment at their bromine plant in Magnolia to further reduce the bromine and chlorine vapors which may now be emitted during upset conditions.

The equipment is:

a. Lime neutralization system consisting of a lime storage silo, slaker and scrubber. The system will be used to control the pH of the brine effluent and in addition will be equipped with a valve to add lime by gravity flows to the effluent line and control bromine emission during upset conditions, such as power failure. A new emission point caused by the lime unloading will be controlled by a liquid scrubbing system.

b. A liquid contact scrubber which will replace the existing scrubber and will be double the size of the present scrubber. Dow calculations indicate that the new scrubber will be more than adequate to control bromine emissions during upset conditions. An alternate liquid supply will be provided by two diesel driven pumps in the event of a power failure.

ESTIMATED COST: \$30,000 TOTAL PROJECT: \$120,000,000

COMMENCEMENT OF INSTALLATION: As Soon as Permit is Received

COMMENCEMENT OF OPERATION: _____

REVIEWED BY: ROB APPROVED: JES

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 285-A

COMMISSION MINUTE ORDER NUMBER: _____

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: City of North Little Rock
North Little Rock

CSN: _____

FIRST SUBMITTAL: Feb. 18, 1975 AMENDED: _____

CASE REFERENCES: _____

SUMMARY:

On 9-27-74 Permit No. 218-AI was approved for the installation of a municipal incineration facility for the City of North Little Rock. The City of North Little Rock now proposes to install this facility on property owned by Kopper's in North Little Rock to dispose of 130,000 pounds of waste per day. The incinerators are to be equipped with heat recovery units, with the heat recovered to be used by Kopper's.

ESTIMATED COST: \$285,000 TOTAL PROJECT: _____

COMMENCEMENT OF INSTALLATION: _____

COMMENCEMENT OF OPERATION: _____

REVIEWED BY: CDH APPROVED: JES

RECOMMENDATION: Approval

ASSIGNED PERMIT NUMBER: Modification of 218-AI

COMMISSION MINUTE ORDER NUMBER: _____

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Piggly Wiggly
347 South James Street, Jacksonville, Arkansas, 72076

CSN: _____

FIRST SUBMITTAL: February 15, 1975 AMENDED: _____

CASE REFERENCES: _____

SUMMARY: Piggly Wiggly stores of Jacksonville proposes to install an FEI incinerator of the type VR-500 to burn about 1000 lbs. of corrugated boxes, waste paper and packing materials daily. The proposed incinerator has a capacity of 375 lbs/hr and would be operated for about 4 to 5 hrs/day. The particulate emissions were found to be 0.057 gr/dscf, from the test data submitted.

ESTIMATED COST: _____ TOTAL PROJECT: _____

COMMENCEMENT OF INSTALLATION: _____

COMMENCEMENT OF OPERATION: _____

REVIEWED BY: IS APPROVED: JES

RECOMMENDATION: Approval

ASSIGNED PERMIT NUMBER: 229-AI

COMMISSION MINUTE ORDER NUMBER: _____

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Piggly Wiggly
Highway 71 South, Ashdown, Arkansas 71822

CSN: _____

FIRST SUBMITTAL: February 15, 1975 AMENDED: _____

CASE REFERENCES: _____

SUMMARY: Piggly Wiggly stores of Ashdown proposes to install an FEI incinerator of the type VR-500 to burn about 1000 lbs. of corrugated boxes, waste paper and packing materials daily. The proposed incinerator has a capacity of 375 lbs/hr and would be operated for about 4 to 5 hrs/day. The particulate emissions were found to be 0.057 gr/dscf, from the test data submitted.

ESTIMATED COST: _____ TOTAL PROJECT: _____

COMMENCEMENT OF INSTALLATION: _____

COMMENCEMENT OF OPERATION: _____

REVIEWED BY: IB APPROVED: JES

RECOMMENDATION: Approval

ASSIGNED PERMIT NUMBER: 230-AI

COMMISSION MINUTE ORDER NUMBER: _____