

The Commission, having considered the following Application for permits 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 Applications, Summary Reports, or amendments thereto, and Subsection 4(d) of the Arkansas Plan of Implementation; provided, however, that the 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>
694-A	Earth Industrial Waste Management, Inc. West Memphis	50,000
695-A	Monroe Auto Equipment Company Paragould	144,000
696-A	A.E. Staley Manufacturing Company Van Buren	N/A

The Summary Report, prepared by the staff, is 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 Order, the Permit, and the Summary Report, are to be attached to the Application for Permit which is on file in the Department's central office. It is further noted that the approval of this application is based upon information contained within the Application for Permit - not the Summary Report. Nevertheless, the applicant is expected to forthwith notify the Department of any discrepancies found between the two documents.

COMMISSIONERS

JB
JAS
WMB
JRE
DS7
MP-RT
OW

John P. Sartors
Chairman

SUBMITTED BY John D. Ward DATE PASSED 11-19-82

ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY Earth Industrial Waste Management, Inc.
West Memphis

CSN 180124 CASE REFERENCES _____

FIRST SUBMITTAL 10/25/82 AMENDED _____

SUMMARY:

Earth Industrial Waste Management proposes to install four 20,000 gallon fuel storage tanks in the Bridgeport Industrial Park of West Memphis. The fuel will be burned in boilers as part of an alternate fuel program. The tank farm will be totally contained inside an existing concrete warehouse with the tanks connected to a single outside vent. The maximum allowable emission rate from this vent will be 0.8 pounds of VOC's per hour.

ESTIMATED COST: \$ N/A TOTAL PROJECT: \$ 50,000

COMMENCEMENT OF INSTALLATION 10/82 COMMENCEMENT OF OPERATION 11/82

RECOMMENDATION Approval ASSIGNED PERMIT NUMBER 694-A

AIR CODE X SIP _____ PSD _____ NSPS _____ NESHAPS _____

REVIEWED BY MAP APPROVED BY JDW APPROVAL DATE 11/19/82

ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY Monroe Auto Equipment Co

Paragould

CSN 280058 CASE REFERENCES _____

FIRST SUBMITTAL 9/17/82 AMENDED 10/25/82

SUMMARY:

The Monroe Auto Equipment Company at Paragould proposes to install a waste heat recovery boiler at their shock absorber plant. The unit will burn cardboard and paper along with natural gas; the gas burners will be adjustable from 50,000 to 800,000 Btu per hour. An interlock system will be installed which will monitor the temperature in the afterburner and adjust the Btu input accordingly. The maximum emission rate will be 0.07 grains/dscf at 12% CO₂ (0.8 lb/hr) and the opacity limit will be no visible emissions.

ESTIMATED COST: \$ 46,000 TOTAL PROJECT: \$ 144,000

COMMENCEMENT OF INSTALLATION 11/82 COMMENCEMENT OF OPERATION 12/82

RECOMMENDATION Approval ASSIGNED PERMIT NUMBER 695-A

AIR CODE X SIP _____ PSD _____ NSPS _____ NESHAPS _____

REVIEWED BY MAP APPROVED BY JDW APPROVAL DATE 11/19/82

ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY A. E. Staley Manufacturing Company

Van Buren

CSN 170013 CASE REFERENCES _____

FIRST SUBMITTAL 10/14/82 AMENDED _____

SUMMARY:

A. E. Staley has purchased the Calcium Pantothenate Plant formerly owned by Diamond Shamrock and located in Van Buren. They intend to manufacture Granulated Starch and Methyl Glucoside. Although Staley will use existing process equipment, the process itself will be radically different than the one used by Diamond Shamrock. The emission rates will also be different.

Methyl Glucoside (MG) is produced by reacting carbohydrates in methyl alcohol with heat and pressure. The methanol is separated from the MG, is then washed, dried, and packed for shipment. Granulated Starch is manufactured by a similar process. In this case, starch caustics, epoxides, heat and/or pressure react in an alcohol solution to form the products. The alcohol is the carrier medium for both reactions. After the reaction it is removed from the product, condensed, distilled, and recycled for reuse.

The allowable emission rates are summarized in Table I. Detailed information about each emission point may be found in Attachments D, E, F, and G of the permit application.

The issuance of this permit rescinds Permit 403-A which was issued to Diamond Shamrock.

ESTIMATED COST: \$ 320,000 TOTAL PROJECT: \$ N/A

COMMENCEMENT OF INSTALLATION 12/82 COMMENCEMENT OF OPERATION 3/83

Approval

RECOMMENDATION with conditions ASSIGNED PERMIT NUMBER 696-A

AIR CODE X SIP X PSD _____ NSPS _____ NESHAPS _____

REVIEWED BY MAP APPROVED BY JDW APPROVAL DATE 11/19/82

APPLICANT - A. E. Staley
PERMIT NO. 696-A

POLLUTANT	TOTAL ANNUAL EMISSION RATE (TON/YR)
Hydrocarbons	35
Particulate	7
Sulfur Dioxide	20
Carbon Monoxide	61
Oxides of Nitrogen	6

TABLE II SPECIFIC CONDITIONS

1. The boilers will burn natural gas in order to generate 30,000 lb/hr of steam. In the event that the natural gas supply is curtailed A. E. Staley may burn #6 fuel oil. Under no circumstances will the applicant be allowed to burn #6 oil for more than ten(10) days per year.
2. The opacity limit for all particulate sources shall be no visible emissions. Demonstration of compliance with the opacity limit shall be presumed to represent compliance with particulate mass emission limits.
3. Permit 403-A issued to Diamond Shamrock is hereby rescinded.