

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, is 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

SUBMITTED BY John C. Ward DATE PASSED 3-27-81

CHAIRMAN

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY Riverside Furniture Corporation
Fort Smith (Plant #1)

CSN 600004 CASE REFERENCES _____

FIRST SUBMITTAL 2-27-81 AMENDED Modification to 490-A

SUMMARY:

Riverside Furniture manufactures wood household products. Riverside proposes to replace 3 existing cyclones with bag filters so that the air may be returned to the process area to conserve energy. The waste that is collected by the bag filters will be transported pneumatically to a storage bin. The emissions from the storage bin will be controlled by a cyclone.

Estimate emissions are less than 0.1 pounds an hour of particulate from each of the three bag houses and 2.7 pounds an hour from the cyclone.

ESTIMATED COST: \$ 495,000 TOTAL PROJECT: \$ 495,000

COMMENCEMENT OF INSTALLATION 4/1/81 COMMENCEMENT OF OPERATION 8/31/81

RECOMMENDATION Approval ASSIGNED PERMIT NUMBER 490-A (Modification)

REVIEWED BY PDD APPROVED BY JDW APPROVAL DATE 3-27-81

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY Superwood Corporation
North Little Rock

CSN 600110 CASE REFERENCES _____

FIRST SUBMITTAL 3/2/81 AMENDED _____

SUMMARY:

Superwood Corporation proposes to install a set of multiclones on two wood waste boilers at its pressboard facility at North Little Rock. These multiclones which are designed with a collection efficiency of 83 percent are being installed to lessen the amount of particulate fallout on area houses and businesses. At full operation, the potential emission rate will be twenty-five (25) pounds per hour; normal emissions will be twelve (12) pounds per hour.

QUALIFICATION: Within 60 days of full operation, Superwood will conduct source sampling to demonstrate compliance with all permit conditions.

ESTIMATED COST: \$ 92,500 TOTAL PROJECT: \$ 138,433

COMMENCEMENT OF INSTALLATION 8/15/81 COMMENCEMENT OF OPERATION 10/1/81
qualification

RECOMMENDATION Approval with ASSIGNED PERMIT NUMBER 248-A (Modified)

REVIEWED BY RMM APPROVED BY WLT APPROVAL DATE 3/27/81

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Kanark, Limited Partnership

Reydell

CSN: 350162 CASE REFERENCES: _____

FIRST SUBMITTAL: 5 March 81 AMENDED: _____

SUMMARY:

Kanark proposes the construction of a facility to unload urea, potash, and phosphate rock from barges on the Arkansas River. The material will be unloaded with a clamshell on to trucks where it will be carried about one hundred yards to a storage facility. The material will be transported from the trucks to the storage facility with a conveyer. Approximately 50 percent of the material will be loaded onto trucks for delivery to farmers in the area. The other 50 percent will be blended before being trucked to the farms in the area. The operation will be seasonal. It is estimated that the total emissions will be less than 25 tons per year.

QUALIFICATIONS: It is thought that dusting will not be a problem because of the the size of the material being handled. If dusting does become a problem, the facility must be closed until corrective action has been taken.

ESTIMATED COST: \$1,000 TOTAL PROJECT: \$100,000

COMMENCEMENT OF INSTALLATION: 15 July 81 COMMENCEMENT OF OPERATION: 30 September 81

REVIEWED BY: PDD APPROVED BY: JDW

RECOMMENDATION: Approval ASSIGNED PERMIT NUMBER: 647-A

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY Huntsville Memorial Hospital

Huntsville, Arkansas

CSN 440031 CASE REFERENCES _____

FIRST SUBMITTAL 2-17-81 AMENDED _____

SUMMARY:

The Huntsville Memorial Hospital proposes the installation of an incinerator to consume approximately 75 pounds per day of pathological waste. The proposed unit is a Shenandoah Model G 71/ITC-A with three burners - one in the primary chamber, one in the secondary chamber, and one between the chambers. The burners are controlled by a pyrometer and timer such that the secondary chamber is pre-heated to 1400 degrees F before the primary burner ignites. The controls also insure that the secondary chamber temperature will remain above 1400 degrees F.

As this is the first installation of a Shenandoah incinerator in Arkansas, this permit would normally be qualified to require stack testing. However, Shenandoah has submitted acceptable test data from another installation. The allowable particulate emission rate is 0.1 grains per dry standard cubic foot when corrected to 12 percent carbon dioxide without the contribution of auxiliary fuel.

ESTIMATED COST: \$ _____ TOTAL PROJECT: \$ 8,240

COMMENCEMENT OF INSTALLATION 4/1/81 COMMENCEMENT OF OPERATION 4/15/81

RECOMMENDATION Approval ASSIGNED PERMIT NUMBER 352-AI

REVIEWED BY CDH APPROVED BY WTT APPROVAL DATE 3/27/81

REV. 6/80

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY Energy Transportation Systems, Inc.
White Bluff - Redfield, Arkansas

CSN 350163 CASE REFERENCES _____

FIRST SUBMITTAL 3 February 81 AMENDED _____

SUMMARY:

ETSI proposes the construction of a coal evaluation plant at the White Bluff generating station near Redfield. The proposed system will receive 2 inch by zero sub bituminous coal from three mines in the Powder River Basin area of Wyoming. A pipeline will transport coal from Wyoming, through Nebraska and Kansas to receiving terminals in Arkansas. The coal evaluation plant will be used as a testing facility for the system design. This plant will consist of a small coal preparation plant and a small slurry dewatering plant. Atmospheric emissions will result from handling the coal with a front end loader, covered belt conveyers, and the exhausts of wet scrubbers used for dust control at coal crushers and dryers. The proposed plant will process 50 tons per day of coal and have atmospheric emissions of 65 tons per year. Emissions will be controlled in accordance with N.S.P.S. guidelines.

ESTIMATED COST: \$ 300,000 TOTAL PROJECT: \$ 7,000,000

COMMENCEMENT OF INSTALLATION 2/1/81 COMMENCEMENT OF OPERATION 8/1/81

RECOMMENDATION Approval ASSIGNED PERMIT NUMBER 645-A

REVIEWED BY PDD APPROVED BY JDW APPROVAL DATE 3/27/81

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY Arkla Industries, Inc.
Paragould, Arkansas

CSN 280044 CASE REFERENCES _____

FIRST SUBMITTAL 7-15-80 AMENDED _____

SUMMARY:

Arkla Industries proposes the installation of a degreaser at their Paragould facility. The degreaser will be a Corpane inline ultrasonic degreaser. The degreaser will be used to remove dirt, grease, and oil from various small machine parts. Estimated emissions of trichlorotri-fluoroethane are 19 tons a year.

QUALIFICATION: The federal government is now in the process of promulgating New Source Performance Standards for degreasers. When these rules are finalized, the degreaser installed by Arkla must meet or exceed all applicable federal standards.

ESTIMATED COST: \$ 1,000 TOTAL PROJECT: \$ 12,000

COMMENCEMENT OF INSTALLATION 8/8/80 COMMENCEMENT OF OPERATION 10/15/80

RECOMMENDATION Approval ASSIGNED PERMIT NUMBER 646-A

REVIEWED BY PDD APPROVED BY JDW APPROVAL DATE 3-27-81

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY Eck-Adams Corporation

Osceola, Arkansas 72370

CSN 470163 CASE REFERENCES

FIRST SUBMITTAL 2/2/81 AMENDED

SUMMARY:

Eck-Adams Corporation proposes the construction of a facility to manufacture metal and wood framed office seating products. The process includes fabrication and finishing of wood and metal chair frames, upholstery, and assembly operation. Expected emissions of particulate are 1.4 pounds an hour.

ESTIMATED COST: \$ 100,000 TOTAL PROJECT: \$ 3,100,000

COMMENCEMENT OF INSTALLATION 1/1/81 COMMENCEMENT OF OPERATION 9/1/81

RECOMMENDATION Approval ASSIGNED PERMIT NUMBER 644-A

REVIEWED BY PDD APPROVED BY JDW APPROVAL DATE 3/27/81

REV. 6/80

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY Morrow Insulation Manufacturing Company

Little Rock, Arkansas 72204

CSN 600583 CASE REFERENCES _____

FIRST SUBMITTAL 1/29/81 AMENDED _____

SUMMARY:

Morrow Insulation proposes to install additional dust control equipment on their existing equipment. Cellulose insulation is manufactured by milling together waste newspaper and fire retardant chemicals. The equipment consists of a hammermill, conveying equipment and packaging devices. Morrow proposes to install a cyclone and a bag house to reduce particulate emissions. Emission will be .7 pounds an hour on one process and 1.5 on another. The control efficiency will be greater than 95%.

ESTIMATED COST: \$ 3,000 TOTAL PROJECT: \$ 5,400

COMMENCEMENT OF INSTALLATION 1/81 COMMENCEMENT OF OPERATION 3/81

RECOMMENDATION Approval ASSIGNED PERMIT NUMBER 643-A

REVIEWED BY PDD APPROVED BY JDW APPROVAL DATE 3/27/81

REV. 6/80

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY Gasohol One, Inc.

Caraway

CSN 160168 CASE REFERENCES _____

FIRST SUBMITTAL 22 February 81 AMENDED _____

SUMMARY:

Gasohol One, Inc. proposes the construction of an ethyl alcohol plant using milo as the feed stock. The output will be denatured with gasoline. The spent grains will be dewatered for sale as a by-product. The milo feedstock will be transported from local offsite storage facilities by grain carts to on site storage bins. From the grain bins, the milo will be transferred by covered conveyers to a hammermill where the milo will be ground into fine particles. The prepared grain is then introduced into a pre-cooking tank where it is mixed with recycled stillage. The material is then cooked under pressure for a predetermined length of time. The cooked material is then sent to a distillation system where the necessary separations take place. Solids present after distillation will be dewatered and sold as animal feed.

Gasohol One lists 20 separate emission or potential emission points. Only three are of significance and these are all connected with the grain loading, unloading, and grinding. The combined total of the three dust emission points will be less than 18 pounds an hour on a yearly average.

ESTIMATED COST: \$67,000 TOTAL PROJECT: \$1,500,000

COMMENCEMENT OF INSTALLATION 4/15/81 COMMENCEMENT OF OPERATION 12/15/81

RECOMMENDATION Approval ASSIGNED PERMIT NUMBER 648-A

REVIEWED BY PDD APPROVED BY JDW APPROVAL DATE 3-27-81

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REV. 6/80

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY Arkansas Power and Light Company
Russellville

CSN 380002 CASE REFERENCES _____

FIRST SUBMITTAL 2-25-81 AMENDED _____

SUMMARY:

Arkansas Power and Light proposes the installation of an incinerator to be used in conjunction with a solid waste landfill for the disposal of the non-radioactive waste generated at Arkansas Nuclear One, and the 500 to 6,000 pounds per day of fish killed on the cooling water influent trash racks. The proposed incinerator is a Consumat Model C-225P rated at 800 pounds per hour. Approximately 6,000 pounds per day will be incinerated each day. The allowable particulate emission rate is 0.15 grains per dry standard cubic foot when corrected to 12% CO₂ without the contribution of auxiliary fuel.

ESTIMATED COST: \$ _____ TOTAL PROJECT: \$ 80,759

COMMENCEMENT OF INSTALLATION _____ COMMENCEMENT OF OPERATION _____

RECOMMENDATION Approval ASSIGNED PERMIT NUMBER 353-AI

REVIEWED BY CDH APPROVED BY WLT APPROVAL DATE 3-27-81

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY Maybelline Company

North Little Rock

CSN 600578 CASE REFERENCES _____

FIRST SUBMITTAL 3-11-81 AMENDED _____

SUMMARY:

Permit No. 350-AI (Temp.) was issued in November of 1980 to Maybelline for the temporary installation of an incinerator to be used for testing to determine the feasibility of thermal destruction of the waste generated in the manufacture of cosmetics, and the practicality of recovering the heat generated. Sufficient data has been collected and reviewed to demonstrate that Maybelline's waste is satisfactorily destroyed by incineration producing an inert residue with minimal emissions to the atmosphere. Additionally, the average heat content of the waste (8000 BTU per pound) makes the installation of a waste fuel fired boiler economically favorable. Therefore, the design of a boiler for permanent installation is proceeding. In the interim period before the installation of the boiler, Maybelline is proposing the continued use of the existing incinerator subject to the following conditions.

CONDITIONS:

1. The incinerator shall be operated, at all times, in accordance with the procedures submitted by Maybelline.
2. The temperatures shall be measured and recorded in the primary and secondary chambers at all times the incinerator is in operation.
3. The secondary chamber temperature shall be maintained above 1800 degrees F. whenever the incinerator is being charged with waste and for 2 hours after the feed has ceased.
4. The ash shall be disposed of only in a permitted landfill.

ESTIMATED COST _____ TOTAL PROJECT \$85,000

COMMENCEMENT OF INSTALLATION Installed REVIEWED BY CDH

COMMENCEMENT OF OPERATION Upon approval APPROVED BY WLT

RECOMMENDATION Approval with conditions ASSIGNED PERMIT NUMBER 350-AI (MOD.)

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY Delhi Gas Pipeline Corporation

Fouke

CSN 460070 CASE REFERENCES _____

FIRST SUBMITTAL 17 March 81 AMENDED _____

SUMMARY:

Delhi Gas Pipeline Corporation proposes the construction of a gas sweetening facility to be located in Miller County, four miles northeast of Fouke. Hydrogen sulfide will be selectively absorbed from natural gas by rapid contact with sodium hydroxide. The gas/liquid mixture is separated into a gas and a liquid by passing it through a static separator. Then the natural gas is contacted with diethanolamine to remove any remaining H₂S. The H₂S is separated from the amine in a flash tank. The H₂S from the flash tank is sent to a thermal oxidizer. The emissions from the thermal oxidizer are estimated at 3.0 pounds an hour of SO₂.

ESTIMATED COST: \$ 40,000 TOTAL PROJECT: \$ 1,250,000

COMMENCEMENT OF INSTALLATION 5/15/81 COMMENCEMENT OF OPERATION 6/30/81

RECOMMENDATION Approval ASSIGNED PERMIT NUMBER 649-A

REVIEWED BY PDD APPROVED BY JDW APPROVAL DATE 3/27/81

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY The Singer Company, Furniture Division

Trumann, Arkansas

CSN 560005 CASE REFERENCES Permit No. 243-A (Modification)

FIRST SUBMITTAL 18 March 81 AMENDED

SUMMARY:

Singer Furniture of Trumann proposes to install two wood lathes for processing pieces of furniture. The lathes will be hooded to remove dust and chips from the working area. The dust will be pneumatically conveyed to a cyclone which will remove the large particles and then to a second cyclone which will remove smaller particles. The estimated emission from each cyclone will be 4.7 pounds an hour when they are operating. The cyclones will typically operate 10 hours a day, 5 days a week.

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

COMMENCEMENT OF INSTALLATION 4/1/81 COMMENCEMENT OF OPERATION 6/1/81

RECOMMENDATION Approval ASSIGNED PERMIT NUMBER 243-A (Modification)

REVIEWED BY PDD APPROVED BY JDW APPROVAL DATE 3-27-81

REV. 6/80

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY Scott Paper Company
Rogers, Arkansas

CSN 040112 CASE REFERENCES Permit modification 338-A

FIRST SUBMITTAL March 4, 1981 AMENDED

SUMMARY:

Scott Paper proposes the construction of a new facility to produce a non-woven textile product consisting of polyester fibers and latex adhesives. The process involves the application of latex adhesive to a fiber mat which is then dried by steam - heated drums to produce the nonwoven product. Scott Paper requests confidentiality of a portion of the process. Estimated emissions are 3.4 pounds an hour of hydrocarbons and 5.5 pounds an hour of particulate.

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

COMMENCEMENT OF INSTALLATION 5/81 COMMENCEMENT OF OPERATION 10/81

RECOMMENDATION Approval ASSIGNED PERMIT NUMBER 338-A (Modification)

REVIEWED BY PDD APPROVED BY JDW APPROVAL DATE 3-27-81

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY Macmillan Ring-Free Oil Company, Inc.
Norphlet, Arkansas

CSN 700010 CASE REFERENCES _____

FIRST SUBMITTAL March 17, 1981 AMENDED _____

SUMMARY:

The Macmillan Refinery at Norphlet has been in operation at that location for over 50 years and have been operating with a registration rather than a permit. In order to conserve energy, Macmillan proposes to increase its refining capacity to 6000 barrels a day from its current level of 4500 barrels a day. Because of a big reduction in energy consumption, the overall emissions will be decreased by about 30%. Macmillan currently has 13 existing sources of air pollution. Five of these will be modified with the expansion. The maximum emission from any one source will be less than 2 pounds an hour of particulate, .04 pounds an hour of SO₂, 1.25 pounds an hour of CO, .25 pounds an hour of hydrocarbons, and 12.6 pounds an hour of NO_x.

ESTIMATED COST: \$ 150,000 TOTAL PROJECT: \$ 2,000,000

COMMENCEMENT OF INSTALLATION 4/81 COMMENCEMENT OF OPERATION 3/82

RECOMMENDATION Approval ASSIGNED PERMIT NUMBER 650-A

REVIEWED BY PDD APPROVED BY JDW APPROVAL DATE 3-27-81

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REV. 6/80