

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>FACILITIES AND LOCATION</u>	<u>COST</u>
412-A	Velsicol Chemical Corporation El Dorado, AR	\$ 80,600
413-A	Riviana Foods, Inc. Brinkley, AR	\$ 20,000
414-A	Georgia-Pacific Corporation Crossett, AR	\$ 150,000
415-A	Harrison Furniture Manufacturing Company Harrison, AR	--
416-A	Bunge Corporation Huffman, AR	--
417-A	ALCOA Bauxite, AR	\$ 35,000
372-A	Valmac Industries, Inc. Clarksville, AR	--
360-A (MODIFICATION)	Southern Rendering Company Little Rock, AR	\$ 56,000
418-A	Universal/Nolin Conway, AR	--

COMMISSIONERS

[Handwritten signatures and initials]

Bucy *[Signature]* SUBMITTED BY Jarrell E. Southall DATE PASSED 7/22/77
CHAIRMAN

APPLICATION FOR PERMIT - INCINERATOR

<u>PERMIT NO.</u>	<u>FACILITY AND LOCATION</u>	<u>COST</u>
285-AI	Comer Nursing Home Carlisle, AR	\$ 2,387
286-AI	Harps Food Store Springdale, AR	\$ 6,000
158-AI (MODIFICATION)	City of Osceola Osceola, AR	--

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

[Handwritten signatures]

Becky F... SUBMITTED BY Jarrell E. Southall DATE PASSED 7/22/77
CHAIRMAN

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Velsicol Chemical Corporation

El Dorado, AR

CSN: 700037

FIRST SUBMITTAL: 06/08/77 AMENDED: _____

CASE REFERENCES: _____

SUMMARY:

Velsicol proposes the operation of a production research facility at El Dorado. This semiworks plant is designed to produce small quantities of products on a developmental basis and to quantify process parameters. The production runs for each product are expected to last from one to six months.

At least 30 days prior to the expected startup of each run for a product not previously approved by the Department, Velsicol will submit the following information: Block flow diagrams, process and instrumentation drawings, control techniques, emission estimates and toxicological information, including Ames tests of unique materials associated with each such production run.

The first product to be produced is a solid brominated flame retardant, hexabromocyclododecane (HBCD). The gaseous emissions from the HBCD process are to be controlled by two caustic scrubbers and particulate emissions are to be controlled by a fabric filter. Due to the research nature of this project, Velsicol has submitted the application under the confidentiality provisions of Section 3C of the Air Code.

(See attached sheet)

ESTIMATED COST: \$80,600 TOTAL PROJECT: \$3,500,000

COMMENCEMENT OF INSTALLATION: 10/12/76

COMMENCEMENT OF OPERATION: Originally 07/01/77; currently 07/25/77

REVIEWED BY: PDD APPROVED BY: JES

RECOMMENDATION: APPROVAL WITH QUALIFICATION

ASSIGNED PERMIT NUMBER: 412-A

COMMISSION MINUTE ORDER NUMBER: _____

VELSICOL CHEMICAL CORPORATION
EL DORADO, AR
PERMIT NO. 412-A

QUALIFICATIONS:

1. Applicant must receive written approval from the Department prior to startup of the first run for each new product.
2. Applicant shall submit a sampling program (stack and ambient) for each new product to be produced. The initial results from the sampling program shall be submitted no later than 30 days after startup of each run.
3. By acceptance of this permit, applicant agrees that the Director may require of applicant additional control measures and may require cessation of operation prior to the implementation of said measures, in the event that the Director determines that existing control measures are inadequate to prevent air pollution as defined by Ark. Stats. 82-1933.
4. This permit shall not become effective until such time that Velsicol commits, in writing, that it will expeditiously install sulfur control equipment, designed to handle all sour gas from the brine wells and the brine stripper off-gas. The emissions from such control equipment shall not exceed 220 pounds per hour of sulfur dioxide and shall be emitted such as to comply with the provisions of the Air Code. Further, the equipment shall be designed to operate at an efficiency no less than 85%.

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Riviana Foods, Inc.
Brinkley, AR

CSN: 480014

FIRST SUBMITTAL: 06/28/77 AMENDED: _____

CASE REFERENCES: _____

SUMMARY:

Riviana Foods will install two high efficiency cyclones at their Brinkley rice drying and storage facility. The cyclones will be utilized for rice dust control during all rice handling operations except receiving.

Required fans and ducting will be installed to make the dust collection system operational prior to the 1977 rice harvest season.

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

COMMENCEMENT OF INSTALLATION: _____

COMMENCEMENT OF OPERATION: August, 1977

REVIEWED BY: JB APPROVED BY: JES

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 413-A

COMMISSION MINUTE ORDER NUMBER: _____

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Georgia-Pacific Corporation (Particleboard)
Crossett, AR

CSN: 020006

FIRST SUBMITTAL: March 14, 1977 AMENDED: June 30, 1977

CASE REFERENCES: _____

SUMMARY:

Georgia-Pacific proposes to install two cyclones at their Crossett particleboard plant for improved control of wood processing emissions.

One unit (10.5 feet diameter) will be used to control plant clean up material and the other cyclone (12 feet diameter) will handle screened green shavings and plywood waste material from the plant storage building. Both will be long cone, high efficiency cyclones.

ESTIMATED COST: \$150,000 TOTAL PROJECT: \$250,000

COMMENCEMENT OF INSTALLATION: _____

COMMENCEMENT OF OPERATION: August 1, 1977

REVIEWED BY: JBJ APPROVED: JES

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 414-A

COMMISSION MINUTE ORDER NUMBER: _____

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Harrison Furniture Manufacturing Company

Harrison, AR

CSN: 050012

FIRST SUBMITTAL: 06/20/77 AMENDED: _____

CASE REFERENCES: _____

SUMMARY:

Harrison Furniture Manufacturing Company has purchased the boiler system of Seagrams Cooperage Facility at Pine Bluff. The system is to be dismantled and reassembled at Harrison to match the former operating conditions. No component or system modification will be required. The system has been operating under Permit Number 142-A.

The Harrison Furniture Manufacturing Company is primarily a manufacturer of hardwood bedroom furniture. Oak wood, kiln dried to a moisture content of 6% is used in the process. The process produces waste consisting of planer shavings, saw dust, sander dust and hogged wood scraps. This waste, similar to that generated by the Seagrams Cooperage Facility, has been sold or burned in the past. Particulate emission rate is not to exceed 3.36 pounds per hour.

QUALIFICATION: The operation of the existing tee-pee burner will not be reactivated, except for upset conditions with prior written approval.

ESTIMATED COST: _____ TOTAL PROJECT: _____

COMMENCEMENT OF INSTALLATION: July, 1977

COMMENCEMENT OF OPERATION: October, 1977

REVIEWED BY: HMF APPROVED BY: JES

RECOMMENDATION: APPROVAL WITH QUALIFICATION

ASSIGNED PERMIT NUMBER: 415-A

COMMISSION MINUTE ORDER NUMBER: _____

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Bunge Corporation
Huffman, AR

CSN: 470118

FIRST SUBMITTAL: May 23, 1977 AMENDED: _____

CASE REFERENCES: _____

SUMMARY:

Bunge Corporation plans to install a column grain dryer at their Huffman facility to dry soybeans, wheat, and milo.

The dryer will be a Ferrell-Ross "Town and Country" Model FR. The unit will have a capacity to dry 4,500 bushels of grain per hour and will be oil-fired.

The predicted emission rate for the dryer is 5.2 pounds per hour of grain dust.

ESTIMATED COST: _____ TOTAL PROJECT: _____

COMMENCEMENT OF INSTALLATION: _____

COMMENCEMENT OF OPERATION: September 1, 1977

REVIEWED BY: JBJ APPROVED: JES

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 416-A

COMMISSION MINUTE ORDER NUMBER: _____

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: ALCOA

Bauxite, AR

CSN: 630010

FIRST SUBMITTAL: 06/14/77 AMENDED: _____

CASE REFERENCES: _____

SUMMARY:

Alcoa of Bauxite proposes to install a cyclone and a bag type dust collector in their F-100 pilot plant in Building 70. In this process, finely ground alumina is calcined in a natural gas fired furnace. The product-laden gases are conveyed to the primary dust collector, which is a cyclone, where approximately 55% of product is removed. The cyclone off-gases then goes to a bag type dust collector, where the 99% product is removed. The product from both the cyclone and dust collector report to a product bin, while the gas discharging from dust collector is exhausted to the atmosphere. The particulate emissions from the baghouse would be less than 1 lb/hr.

ESTIMATED COST: \$35,000 TOTAL PROJECT: \$290,000

COMMENCEMENT OF INSTALLATION: _____

COMMENCEMENT OF OPERATION: _____

REVIEWED BY: IHB APPROVED BY: JES

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 417-A

COMMISSION MINUTE ORDER NUMBER: _____

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Universal/Nolin

Conway, AR

CSN: 230006

FIRST SUBMITTAL: 07/18/77 AMENDED: _____

CASE REFERENCES: _____

SUMMARY:

Universal/Nolin proposes to install a facility in Conway which will manufacture wooden store fixtures such as display counters.

The raw material will consist of plywood sheets, particle board sheets, wood pieces, and high pressure laminate. Control of wood waste (in the form of sawdust) will be by a pneumatic conveying system ejecting into a cyclone with a collection bin mounted underneath. The predicted emission rate is less than one-half pound per hour.

ESTIMATED COST: --- TOTAL PROJECT: ---

COMMENCEMENT OF INSTALLATION: 08/01/77

COMMENCEMENT OF OPERATION: 09/15/77

REVIEWED BY: RMM APPROVED BY: JES

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 418-A

COMMISSION MINUTE ORDER NUMBER: _____

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Valmac Industries, Inc.

Clarksville, AR

CSN: 360013

FIRST SUBMITTAL: 11/19/76 AMENDED: 06/09/77

CASE REFERENCES: Permit No. 372-A

SUMMARY:

Valmac Industries, Inc. purchased a protein conversion plant at Clarksville from Hanford Produce Company effective May 31, 1977. Valmac requests transfer of the permit (No. 372-A) from Hanford Produce Company to Valmac Industries. There have been no changes in plant operation or equipment since the change in ownership.

ESTIMATED COST: _____ TOTAL PROJECT: _____

COMMENCEMENT OF INSTALLATION: _____

COMMENCEMENT OF OPERATION: _____

REVIEWED BY: JBJ APPROVED BY: JES

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 372-A

COMMISSION MINUTE ORDER NUMBER: _____

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Southern Rendering Company

Little Rock, AR

CSN: 600027

FIRST SUBMITTAL: 09/24/76 AMENDED: 05/18/77

CASE REFERENCES: Permit No. 360-A

SUMMARY:

Southern Rendering Company requests modification of Permit No. 360-A to reflect a two-stage scrubber which has been installed to control odors from the company's feather processing plant.

The scrubber, manufactured by the Air Conditioning Corporation, is rated at 38,000 cubic feet per minute. Sodium hypochlorite will be utilized in the scrubbing water to provide odor abatement.

ESTIMATED COST: \$56,000 TOTAL PROJECT: \$97,000

COMMENCEMENT OF INSTALLATION: _____

COMMENCEMENT OF OPERATION: July, 1977

REVIEWED BY: JBJ APPROVED BY: JES

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 360-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: Comer Nursing Home

Carlisle, AR

CSN: 430041

FIRST SUBMITTAL: 06/19/77 AMENDED: _____

CASE REFERENCES: _____

SUMMARY:

Comer Nursing Home of Carlisle proposes to install a SWESCO pathological incinerator, Model SP-3, to dispose of 10 to 15 pounds per day of type 1 and type 4 wastes. The unit has one primary and one secondary burner each with a capacity of 50,000 BTU/hr. The test data predict a particulate emission rate of 0.09 gr/dscf at 12% CO₂, excluding the contribution by auxiliary fuel.

ESTIMATED COST: \$2,387 TOTAL PROJECT: \$2,387

COMMENCEMENT OF INSTALLATION: _____

COMMENCEMENT OF OPERATION: _____

REVIEWED BY: IHB APPROVED BY: JES

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 285-AI

COMMISSION MINUTE ORDER NUMBER: _____

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Harps Food Store

Springdale, AR

CSN: 720098

FIRST SUBMITTAL: 05/02/77 AMENDED: _____

CASE REFERENCES: _____

SUMMARY:

Harps Food Store in Springdale proposes to install an Atlas incinerator, Model VM-54, to dispose of 1000 pounds/day of type 0 and 1 waste. The unit has a rated capacity of 400 pounds/hour and shall be operated for 4 to 5 hours/day. The unit has one afterburner of 400,000 BTU/hour capacity. The afterburner is automatically turned on and stays on up to 20 minutes, whenever the door is opened. The stack sampling test made on a similar unit in Gassville, Arkansas gave particulate emissions of 0.073 gr/dscf at 12% CO₂.

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

COMMENCEMENT OF INSTALLATION: _____

COMMENCEMENT OF OPERATION: _____

REVIEWED BY: IHB APPROVED BY: JES

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 286-AI

COMMISSION MINUTE ORDER NUMBER: _____

DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY
DIVISION OF AIR POLLUTION CONTROL

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: City of Osceola
Osceola, AR

CSN: 470111

FIRST SUBMITTAL: 05/22/73 AMENDED: 06/21/77

CASE REFERENCES: _____

SUMMARY:

The City of Osceola proposes to install two Consumat incinerators, Model CS-1200, to dispose of municipal solid waste of type II. Each unit will have a capacity of 2,080 pounds per hour for a total burning capacity of 50 tons per day. The units will be located on property leased to the city by Crompton Mills and will be operated 24 hours per day. The steam production of 10,000 pounds per hour will be purchased by Crompton Mills. Particulate emissions are not to exceed 0.08 grains per dry standard cubic foot at 12% CO₂. The units hereby permitted are to replace the existing units which are not equipped with heat recovery devices.

QUALIFICATION: This permit does not authorize the disposal of toxic material or liquid waste.

ESTIMATED COST: _____ TOTAL PROJECT: \$960,000

COMMENCEMENT OF INSTALLATION: _____

COMMENCEMENT OF OPERATION: _____

REVIEWED BY: IHB APPROVED BY: JES

RECOMMENDATION: APPROVAL WITH QUALIFICATION

ASSIGNED PERMIT NUMBER: 158-AI (MODIFICATION)

COMMISSION MINUTE ORDER NUMBER: _____