

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 - PROCESS CONTROL EQUIPMENT

PERMIT NO.	FACILITY & LOCATION	COST
331-A	Riceland Foods Stuttgart, Arkansas	\$ 5,000
332-A	Bunge Corporation Augusta, Arkansas	\$ 45,953
333-A	Bunge Corporation Grady, Arkansas	\$ 37,688
334-A	Bunge Corporation St. Charles, Arkansas	\$ 66,646
335-A	Bunge Corporation Arkansas City, Arkansas	\$ 45,953
336-A	Bunge Corporation Blytheville, Arkansas	\$ 45,953
337-A	Lion Oil Company El Dorado, Arkansas	
338-A	Lion Oil Company El Dorado, Arkansas	\$ 380,000
339-A	Harrisburg Gin Company Harrisburg, Arkansas	

COMMISSIONERS

[Handwritten signatures and initials]
PERMITS DIVISION

CHAIRMAN

SUBMITTED BY: Jarrell E. Southall DATE PASSED: 5/28/76
Chief, Air Division

ARKANSAS DEPARTMENT OF
POLLUTION CONTROL AND ECOLOGY

LOCATION - SUBJECT: AIR PERMITS

MINUTE ORDER NO. _____

MAY 28, 1976
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APPLICATION FOR PERMIT - INCINERATOR

PERMIT NO.	FACILITY & LOCATION	COST
261-AI	Tucker Prison Farm Tucker, Arkansas	20,000
262-AI	Cummins Prison Farm Grady, Arkansas	25,000
270-AI	Craighead County Memorial Hospital Jonesboro, Arkansas	7,013
271-AI	St. Bernard's Hospital Jonesboro, Arkansas	9,680

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 and initials]
RCR for Hwy 87E

CHAIRMAN

SUBMITTED BY: Jarrell E. Southall DATE PASSED: 5/28/76
Chief, Air Division

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Riceland Foods
Stuttgart

CSN: 010051

FIRST SUBMITTAL: May 5, 1976 AMENDED: _____

CASE REFERENCES: _____

SUMMARY:

Riceland Foods has submitted an application for permit, pursuant to the provisions of Section 3(c) of the Air Code, for the construction and operation of an extraction plant to be located adjacent to the soybean plant facilities and east of Park Avenue. The plant will incorporate a solvent extraction process including distillation and liquid handling equipment, solvent recovery equipment, and equipment for the disposition of finished products. A fabric filter will be used for the collection of finished products. The solvent vapors will be processed through a recovery unit with an emission rate less than 15 pounds per hour.

ESTIMATED COST: \$5,000 TOTAL PROJECT: \$900,000

COMMENCEMENT OF INSTALLATION: January, 1976

COMMENCEMENT OF OPERATION: October, 1976

REVIEWED BY: CDH APPROVED: JES

RECOMMENDATION: Approval

ASSIGNED PERMIT NUMBER: 331-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
Post Office Box 536
Augusta, Arkansas 72066

CSN: 740048

FIRST SUBMITTAL: 01/27/76 AMENDED: _____

CASE REFERENCES: _____

SUMMARY:

Bunge Corporation has instituted an air pollution control program at their Augusta grain elevator. This facility has a capacity to receive and ship 300 tons per hour. The grain is shipped to the elevator via trucks, and is transferred to barges in the White River.

Mechanical conveyors are used for all of the transfer operations. Bunge proposes to install a system to collect the fugitive emissions from the truck dump pit, transfer points, etc. through the use of ducting and a fabric filter. The proposed emission rate is less than one pound per hour.

ESTIMATED COST: \$45,953 TOTAL PROJECT: \$52,000

COMMENCEMENT OF INSTALLATION: January, 1975

COMMENCEMENT OF OPERATION: June, 1975

REVIEWED BY: IHB APPROVED: JES

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 332-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
Route 1 (Linwood Landing)
Grady, Arkansas 71644

CSN: 400017

FIRST SUBMITTAL: 01/27/76 AMENDED: _____

CASE REFERENCES: _____

SUMMARY:

Bunge Corporation has instituted an air pollution control program at their Grady grain elevator. This facility has a capacity to receive and ship 300 tons per hour. The grain is shipped to the elevator via trucks, and is transferred to barges in the Arkansas River.

Mechanical conveyors are used for all of the transfer operations. Bunge proposes to install a system to collect the fugitive emissions from the truck dump pit, transfer points, etc. through the use of ducting and a fabric filter. The proposed emission rate is less than one pound per hour.

ESTIMATED COST: \$37,668 TOTAL PROJECT: \$43,000

COMMENCEMENT OF INSTALLATION: January, 1975

COMMENCEMENT OF OPERATION: June, 1975

REVIEWED BY: IHB APPROVED: JES

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 333-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
Post Office Box 26
St. Charles, Arkansas 72140

CSN: 010052

FIRST SUBMITTAL: 01/27/76 AMENDED: _____

CASE REFERENCES: _____

SUMMARY:

Bunge Corporation has instituted an air pollution control program at their St. Charles grain elevator. This facility has a capacity to receive and ship 300 tons per hour. The grain is shipped to the elevator via trucks, and is transferred to barges in the White River.

Mechanical conveyors are used for all of the transfer operations. Bunge proposes to install a system to collect the fugitive emissions from the truck dump pit, transfer points, etc. through the use of ducting and a fabric filter. The proposed emission rate is less than one pound per hour.

ESTIMATED COST: \$66,646 TOTAL PROJECT: \$75,000

COMMENCEMENT OF INSTALLATION: January, 1975

COMMENCEMENT OF OPERATION: June, 1975

REVIEWED BY: IHB APPROVED: JES

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 334-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
Post Office Box 327 (DeSoto Landing)
Arkansas City, Arkansas 71630

CSN: 210037

FIRST SUBMITTAL: 01/27/76 AMENDED: _____

CASE REFERENCES: _____

SUMMARY:

Bunge Corporation has instituted an air pollution control program at their Arkansas City grain elevator. This facility has a capacity to receive and ship 300 tons per hour. The grain is shipped to the elevator via trucks, and is transferred to barges in the Mississippi River.

Mechanical conveyors are used for all of the transfer operations. Bunge proposes to install a system to collect the fugitive emissions from the truck dump pit, transfer points, etc. through the use of ducting and a fabric filter. The proposed emission rate is less than one pound per hour.

ESTIMATED COST: \$45,953 TOTAL PROJECT: \$52,000

COMMENCEMENT OF INSTALLATION: January, 1975

COMMENCEMENT OF OPERATION: June, 1975

REVIEWED BY: IHB APPROVED: JES

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 335-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
Post Office Box 526
Blytheville, Arkansas 72315

CSN: 470118

FIRST SUBMITTAL: 01/27/76 AMENDED: _____

CASE REFERENCES: _____

SUMMARY:

Bunge Corporation has instituted an air pollution control program at their Blytheville grain elevator. This facility has a capacity to receive and ship 300 tons per hour. The grain is shipped to the elevator via trucks, and is transferred to barges in the Mississippi River.

Mechanical conveyors are used for all of the transfer operations. Bunge proposes to install a system to collect the fugitive emissions from the truck dump pit, transfer points, etc. through the use of ducting and a fabric filter. The proposed emission rate is less than one pound per hour.

ESTIMATED COST: \$45,953 TOTAL PROJECT: \$52,000

COMMENCEMENT OF INSTALLATION: January, 1975

COMMENCEMENT OF OPERATION: June, 1975

REVIEWED BY: IHB APPROVED: JES

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 336-A

COMMISSION MINUTE ORDER NUMBER: _____

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Lion Oil Company

El Dorado, Arkansas

CSN: 700016

FIRST SUBMITTAL: 03/18/76 AMENDED: 05/26/76

CASE REFERENCES: _____

SUMMARY: As a result of water pollution control efforts, Lion Oil proposes the installation of a sour water stripper to strip hydrogen sulfide from the refinery wastewater stream. The stripped hydrogen sulfide will be converted to sodium hydrosulfide for market in Lion's sodium hydrosulfide facility. Because of the increased loading of this facility, modifications are necessary to improve its efficiency such that a net increase in sulfur oxides from the refinery will not be realized.

Conditions:

(1) The modifications, as permitted herein, of the sodium hydrosulfide facility are not to be construed as a modification of the permitted emission rate as established in Permit No. 82-A.

(2) Modifications of the existing sodium hydrosulfide facility shall be accomplished prior to commencement of operation of the sour water stripper.

(3) Prior to September 1, 1976, Lion Oil shall submit to the Department an approvable plan demonstrating those procedures which will be undertaken during periods of upset to reduce emissions of SO_2 and H_2S .

ESTIMATED COST: _____ TOTAL PROJECT: _____

COMMENCEMENT OF INSTALLATION: June 1, 1976

COMMENCEMENT OF OPERATION: July 1, 1977

REVIEWED BY: LEH APPROVED: JES

RECOMMENDATION: Approval

ASSIGNED PERMIT NUMBER: 337-A

COMMISSION MINUTE ORDER NUMBER: _____

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Lion Oil Company
El Dorado

CSN: 700016

FIRST SUBMITTAL: 5-17-76 AMENDED: _____

CASE REFERENCES: _____

SUMMARY: Lion Oil proposes the installation of a scrubber-incinerator-waste heat boiler to control the emissions of approximately 1,700 pounds per hour of hydrocarbons resulting from the operation of the asphalt plant. The hydrocarbons from three existing oxidizer stacks will pass through a low energy water scrubber which will remove the heavy hydrocarbons. The remaining hydrocarbons will be thermally destroyed by direct flame incineration at a temperature of 1800°F. The hot gases exiting from the incinerator will flow through a waste heat boiler designed to produce 10,750 pounds per hour of steam at 300 psig.

Approval is based upon the following conditions:

- (1) After start-up of the incinerator, emission sampling will be conducted for particulate, sulfur dioxide, and oxides of nitrogen in accordance with sampling and analytical methods approved by the Director.
- (2) Lion Oil shall proceed with the construction of the incinerator and waste heat boiler as expeditiously as possible. Operation of the asphalt oxidizing plant after April 1, 1977 without the controls described above is not to be permitted by the Department.

ESTIMATED COST: \$380,000 TOTAL PROJECT: _____

COMMENCEMENT OF INSTALLATION: September 30, 1976

COMMENCEMENT OF OPERATION: April 1, 1976 11'

REVIEWED BY: LEH APPROVED: JES

RECOMMENDATION: Approval With Conditions

ASSIGNED PERMIT NUMBER: 338-A

COMMISSION MINUTE ORDER NUMBER: _____

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Harrisburg Gin Company
Harrisburg, Arkansas

CSN: 560020

FIRST SUBMITTAL: May 6, 1976 AMENDED: _____

CASE REFERENCES: _____

SUMMARY: The Harrisburg Gin Company proposes the installation of cyclones and associated equipment to be used for the collection and storage of the waste generated by the cotton gin. At the present, the purchase of used equipment from several sources is being considered.

Qualifications: When the specific equipment to be installed is selected by the applicant, the applicant will submit sufficient information for the staff to ascertain that the equipment will be adequate.

ESTIMATED COST: Unk. TOTAL PROJECT: _____

COMMENCEMENT OF INSTALLATION: To be installed by August 10, 1976

COMMENCEMENT OF OPERATION: _____

REVIEWED BY: CDH APPROVED: JES

RECOMMENDATION: Approval with Qualification

ASSIGNED PERMIT NUMBER: 339-A

COMMISSION MINUTE ORDER NUMBER: _____

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Tucker Prison Farm
Arkansas Department of Corrections
Tucker, Arkansas

CSN: 350112

FIRST SUBMITTAL: November 17, 1975 AMENDED: _____

CASE REFERENCES: _____

SUMMARY: Tucker Prison Farm of Tucker has installed a Kelley-Hoskinson incinerator, Model 780, to burn 4,800 pounds of type 0, 1 and 2 waste daily. The incinerator has a capacity of 875 lbs/hour and will be operated for 8 hrs/day. It is a starved-air incinerator with one primary burner and two after-burners (400,000 BTU/hr. capacity each). From the test data submitted with the application, the particulate emissions were found to be 0.08 gr/SCF at 12% CO₂.

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

COMMENCEMENT OF INSTALLATION: December, 1975

COMMENCEMENT OF OPERATION: December, 1975

REVIEWED BY: IHB APPROVED: JES

RECOMMENDATION: Approval

ASSIGNED PERMIT NUMBER: 261-AI

COMMISSION MINUTE ORDER NUMBER: _____

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Cummins Prison Farm
Arkansas Department of Correction, Grady, Arkansas

CSN: 400016

FIRST SUBMITTAL: November 17, 1975 AMENDED: _____

CASE REFERENCES: _____

SUMMARY: Cummins Prison Farm of Grady, Arkansas has installed a Kelley-Hoskinson incinerator, Model 780, to burn 4800 pounds of type 0, 1 and 2 waste daily. The incinerator has a capacity of 875 lbs/hr and will be operated for 8 hrs/day. It operates on starved-air principle and has an automatic feeder. The unit has one primary burner and two after-burners (each 400,000 BTU/hr capacity). From the test data submitted with the application, the particulate emissions were found to be 0.08 gr/SCF at 12% CO₂.

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

COMMENCEMENT OF INSTALLATION: December, 1975

COMMENCEMENT OF OPERATION: December, 1975

REVIEWED BY: IHB APPROVED: JES

RECOMMENDATION: Approval

ASSIGNED PERMIT NUMBER: 262-AI

COMMISSION MINUTE ORDER NUMBER: _____

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Craighead County Memorial Hospital
Jonesboro, Arkansas

CSN: 160099

FIRST SUBMITTAL: 01/01/76 AMENDED: _____

CASE REFERENCES: _____

SUMMARY:

Craighead County Memorial Hospital of Jonesboro proposes to install a Consumat pathological incinerator (Model C-75P) to burn 2000 lbs of type 0, 1 and 4 waste daily. The capacity of incinerator is 250 lbs/hr for type 0 waste, 320 lbs/hr for type 1 waste and 175 lbs/hr for type 4 waste. The unit has two primary and one secondary burners, each with a capacity of 700,000 BTU/hr. The test data submitted with application shows the particulate emissions to be 0.0973 gr/SCF at 12% CO₂.

ESTIMATED COST: \$7,013 TOTAL PROJECT: \$7,013

COMMENCEMENT OF INSTALLATION: _____

COMMENCEMENT OF OPERATION: _____

REVIEWED BY: IHB APPROVED: JES

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 270-AI

COMMISSION MINUTE ORDER NUMBER: _____

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: St. Bernard's Hospital
Jonesboro, Arkansas

CSN: 160100

FIRST SUBMITTAL: 03/30/76 AMENDED: _____

CASE REFERENCES: _____

SUMMARY:

St. Bernard's Hospital of Jonesboro proposes to install a Consumat pathological incinerator (Model C-75P) to burn 2000 lbs of type 0, 1 and 4 waste daily. The capacity of incinerator is 250 lbs/hr for type 0 waste, 320 lbs/hr for type 1 waste and 175 lbs/hr for type 4 waste. The unit has two primary and one secondary burners, each with a capacity of 700,000 BTU/hr. The test data submitted with application shows the particulate emissions to be 0.0973 gr/SCF at 12% CO₂.

ESTIMATED COST: \$9,680 TOTAL PROJECT: \$9,680

COMMENCEMENT OF INSTALLATION: _____

COMMENCEMENT OF OPERATION: _____

REVIEWED BY: IHB APPROVED: JES

RECOMMENDATION: APPROVAL

ASSIGNED PERMIT NUMBER: 271-AI

COMMISSION MINUTE ORDER NUMBER: _____