

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 within 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 &amp; LOCATION</u>	<u>COST</u>
Modification of 167-A	Lion Oil Company El Dorado	
254-A	Braztah Corporation West Memphis	\$150,000
255-A	ALCOA Bauxite	60,000

APPLICATIONS FOR PERMIT - INCINERATORS

<u>PERMIT NO.</u>	<u>FACILITY &amp; LOCATION</u>	<u>COST</u>
213-AI	Van Buren County Hospital Clinton	\$ 4,889
214-AI	Booneville City Hospital Booneville	4,889

COMMISS-  
SIONERS

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Executive Committee Recommended Approval  
8-30-74

Billy Jones  
Chairman

Submitted by Jarrell Southall Date passed 9-27-74

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Lion Oil Company  
El Dorado

CSN: \_\_\_\_\_

FIRST SUBMITTAL: July 31, 1974 AMENDED: \_\_\_\_\_

CASE REFERENCES: \_\_\_\_\_

SUMMARY:

SEE ATTACHED LETTER

ESTIMATED COST: \_\_\_\_\_ TOTAL PROJECT: \_\_\_\_\_

COMMENCEMENT OF INSTALLATION: \_\_\_\_\_

DATE OF COMPLIANCE: GIVEN: \_\_\_\_\_ SET: \_\_\_\_\_

REVIEWED BY: CDH APPROVED: JES

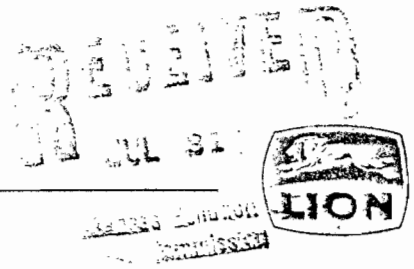
RECOMMENDATION: Approval

ASSIGNED PERMIT NUMBER: Modification of No. 167-A

COMMISSION MINUTE ORDER NUMBER: \_\_\_\_\_

LION OIL COMPANY

LION OIL BUILDING  
EL DORADO, ARKANSAS 71730  
(501) 863-3111



July 29, 1974

State of Arkansas  
Department of Pollution Control & Ecology  
8001 National Drive  
Little Rock, Arkansas 72209

Attn: Mr. S. Ladd Davies, Director

Re: Amendment of Permit No. 167-A

Gentlemen:

We thank you and Mr. Southall for taking time from your busy schedules to hear Lion's Mr. Tillstrom and Mr. Bassett. They explained our need to operate an additional fluid catalytic cracking facility in addition to that approved in ADPCE Permit 167-A dated September 28, 1973.

Permit 167-A as approved states that Lion proposes to modify two catalytic cracking units by combining the two units into one. A fluid catalytic cracking unit purchased from the American Oil Company was used in the redesign of the cracking system. Lion's two existing crackers are designated as No. 2 TCCU and No. 3 FCCU, both of which are registered with the ADPCE.

Redesign of the cracker system utilizing the equipment purchased from Amoco and the No. 2 TCCU will make up the new FCCU to be designated as No. 7 Unit. Upon completion of construction which is now in progress, the No. 2 TCCU will no longer exist as an operating unit.

Equipment in No. 3 FCCU will not be used in the new cracker construction. It is the continued operation of No. 3 Unit beyond the startup date of No. 7 Unit that Lion now proposes as an amendment to Permit 167-A. If approval is granted per this application, operations at No. 3 Unit will be uninterrupted for an interim period beyond startup of No. 7 and will continue until enlargement of No. 7 can be achieved to handle cracking capacity for a 65,000 B/D refinery.

Subsidiary of The Oil Shale Corporation

State of Arkansas  
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For your recollection, we submit the following justifications for this project as explained by Mr. Tillstrom and Mr. Bassett during their recent visit with your staff.

The business of Lion's parent company, The Oil Shale Corporation (TOSCO), is ENERGY! In its policies and objectives TOSCO is emphatic that a principal area of its corporate development lies in the continuing expansion of its petroleum refining and marketing operations.

Lion has been directed, therefore, to develop plans to expand and continue to modernize its refinery in El Dorado. A program of Efficiency-Modernization-Expansion (EME) is now underway. Our ultimate objective in this program is to increase our crude oil refining capacity from its present rated 47,000 barrels per day to 65,000 barrels per day. In so doing, we must construct new processing facilities, modernize others and certainly include facilities required to protect the environment. The benefits to Arkansas will be significant in terms of the tremendous capital expenditures required, jobs involved and increased supplies of petroleum products to be made available.

It is our intent to aggressively pursue this EME program so that our objectives can be reached in 3 to 4 years from now.

To proceed at this rapid pace we must utilize existing facilities to the fullest extent to generate and attract the new capital funds required. Mr. Tillstrom and Mr. Bassett explained to you how, by virtue of a processing agreement, we could commence the installation of an additional vapor recovery unit in the near future if permitted to operate our 8,000 B/D No. 3 Fluid Catalytic Cracking Unit (FCCU) in addition to the new No. 7 FCCU.

The new vapor recovery unit plus an existing similar unit would then be adequate for our needs at a capacity of 65,000 B/D crude oil. Thus, one part of our new facility needs for increased capacity can be built now.

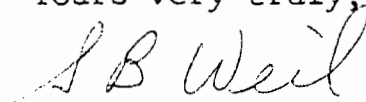
No additional pollution control equipment is planned now for No. 3 FCCU. It has been previously determined by your staff that the combined particulate emissions of 3,650 pounds/day from both our new No. 7 FCCU and No. 3 FCCU will not exceed the national ambient air standards nor the Arkansas Air Code Regulations. Maximum ground level concentration at most severe weather stability is 80  $\mu\text{g}/\text{m}^3$ .

State of Arkansas  
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When we reach 65,000 B/D capacity, our EME plan provides for increasing the capacity of No. 7 FCCU and shutting down No. 3 FCCU. At that time additional air pollution controls will be installed on No. 7 FCCU.

We submit this letter as formal application to amend Permit No. 167-A to include the operation of No. 3 and No. 7 FCC Units as described above. If you need additional information prior to submitting this application to the Commission for approval, please contact us.

Yours very truly,



S. B. Weil, Vice President  
Engineering & Planning

SEW/js

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Braztah Corporation

West Memphis

CSN: \_\_\_\_\_

FIRST SUBMITTAL: July 31, 1974 AMENDED: Aug. 14, 1974

CASE REFERENCES: \_\_\_\_\_

SUMMARY:

Braztah Corporation proposes to install a coal transfer and storage facility two miles south of West Memphis on a 125 acre site adjacent to the Mississippi River. This installation will be used for transferring coal from railroad cars to barges for shipment, and to stockpiles. Three 100 car unit trains per day will deliver coal from Utah to the proposed facility. The rail cars will be unloaded by use of a rotary car dumper. The stockpiles will be no higher than 50 feet, and they will be compacted and/or sprayed if necessary. All conveyors and transfer points will be enclosed. A dust suppressant spray system is to be installed at potential dust generation points. The transfer to the stockpile and to the barges will utilize minimum free fall distances. The applicant has presented evidence that other installations of this type are being operated with little or no fugitive emissions.

ESTIMATED COST: \$150,000 TOTAL PROJECT: \$20,000,000

COMMENCEMENT OF INSTALLATION: Late 1975

DATE OF COMPLIANCE: GIVEN: \_\_\_\_\_ SET: \_\_\_\_\_

REVIEWED BY: CDH APPROVED: JES

RECOMMENDATION: Approval

ASSIGNED PERMIT NUMBER: 254-A

COMMISSION MINUTE ORDER NUMBER: \_\_\_\_\_

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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: ALCOA

Bauxite

CSN: \_\_\_\_\_

FIRST SUBMITTAL: Aug. 26, 1974 AMENDED: \_\_\_\_\_

CASE REFERENCES: \_\_\_\_\_

SUMMARY:

ALCOA proposes to replace an existing nuisance dust collector installed in Bldg. 420. The replacement is to be a Flex-Kleen Model 84 UDC-72 bag type collector with 2720 ft<sup>2</sup> of filter area. The proposed emission rate is to be 0.5 pounds per hour of particulate.

ESTIMATED COST: \$65,000 TOTAL PROJECT: \_\_\_\_\_

COMMENCEMENT OF INSTALLATION: June 1975

DATE OF COMPLIANCE: GIVEN: \_\_\_\_\_ SET: \_\_\_\_\_

REVIEWED BY: CDH APPROVED: JES

RECOMMENDATION: Approval

ASSIGNED PERMIT NUMBER: 255-A

COMMISSION MINUTE ORDER NUMBER: \_\_\_\_\_



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

SUMMARY REPORT RELATIVE TO PERMIT APPLICATION

SUBMITTED BY: Booneville City Hospital  
Booneville

CSN: \_\_\_\_\_

FIRST SUBMITTAL: July 5, 1974 AMENDED: \_\_\_\_\_

CASE REFERENCES: \_\_\_\_\_

SUMMARY:

Booneville City Hospital proposes to install a pathological incinerator to consume 300-400 pounds of waste per day, 50 pounds of which is to be pathological. The incinerator is a Consumat Model C-18P rated at 50 pounds per hour. The design is multiple chamber, with primary and secondary burners. The particulate emissions are to be 0.1 grains per SCF.

ESTIMATED COST: \$4,889 TOTAL PROJECT: \_\_\_\_\_

COMMENCEMENT OF INSTALLATION: \_\_\_\_\_

DATE OF COMPLIANCE: GIVEN: \_\_\_\_\_ SET: \_\_\_\_\_

REVIEWED BY: CDH APPROVED: JES

RECOMMENDATION: Approval

ASSIGNED PERMIT NUMBER: 214-AI

COMMISSION MINUTE ORDER NUMBER: \_\_\_\_\_