

AUG 16 1972

Docket Nos. 50-348  
and 50-364

Mr. Alan R. Barton  
Senior Vice President  
Alabama Power Company  
600 North 18th Street  
Birmingham, Alabama 35203

Dear Mr. Barton:

The Atomic Energy Commission has issued Construction Permits Nos. CPPR-85 and CPPR-86 to the Alabama Power Company authorizing construction of two pressurized water nuclear reactors, designated as the Joseph M. Farley Nuclear Plant, Units 1 and 2.

Copies of the Construction Permits are enclosed, together with a related notice which has been transmitted to the Office of the Federal Register for filing and publication.

The Permits have been issued pursuant to the Initial Decision of the Atomic Safety and Licensing Board. A copy of the Decision is enclosed.

Sincerely,

Original Signed By  
R. C. DeYoung  
R. C. DeYoung, Assistant Director  
for Pressurized Water Reactors  
Directorate of Licensing

Enclosures:

1. Construction Permits Nos. CPPR-85 and CPPR-86
2. Federal Register Notice
3. Initial Decision *(see hearing file)*

cc: See Attached

SEE DOCKET NO. 50-348 FOR CONCURRENCES

OFFICE ▶	L:AD/PWRs	L:PWR-2	L:PWR-2	L:AD/PWRs	
SURNAME ▶	<i>MS</i> MService:emp	<i>LK</i> LKintner	<i>KK</i> KKniel	<i>RC</i> RCDeYoung	<i>LP</i>
DATE ▶	8/18/72	8/18/72	8/18/72	8/16/72	

Mr. Alan R. Barton

cc w/encls:

George F. Trowbridge, Esq.  
Shaw, Pittman, Pitts, Trowbridge,  
and Madden  
910 17th Street  
Washington, D. C. 20006

Mr. Ruble A. Thomas  
Vice President  
Southern Services, Inc.  
P. O. Box 2641  
Birmingham, Alabama 35202

Ira L. Myers, M.D.  
State Health Officer  
State Department of Public Health  
State Office Building  
Montgomery, Alabama 36104

Honorable A. A. Middleton  
Chairman  
Houston County Commission  
Dothan, Alabama 36301

bcc w/encl:

H. J. McAlduff, ORO  
H. Mueller, GMR/H  
J. A. Harris, IS  
J. R. Buchanan, ORNL  
T. W. Laughlin, DTIE  
ASLAB  
N. H. Goodrich, ASLBP  
F. W. Karas, SECY  
St. George T. Arnard, ORNL

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OFFICE ▶						
SURNAME ▶						
DATE ▶						

UNITED STATES ATOMIC ENERGY COMMISSION

DOCKET NOS. 50-348 AND 50-364

JOSEPH M. FARLEY NUCLEAR PLANT, UNITS 1 AND 2

NOTICE OF ISSUANCE OF CONSTRUCTION PERMITS

Notice is hereby given that, pursuant to the Initial Decision of the Atomic Safety and Licensing Board, dated August 11, 1972, the Deputy Director for Reactor Licensing has issued Construction Permits Nos. CPPR-85 and CPPR-86 to the Alabama Power Company for construction of pressurized water nuclear reactors at the Alabama Power Company's site in Houston County, Alabama. The site is located about 15 miles north of Jackson County, Florida, and across the river from Early County, Georgia. The proposed reactors, designated as the Joseph M. Farley Nuclear Plant, Units 1 and 2, each has a rated thermal output of 2652 megawatts.

A copy of the Initial Decision and Construction Permits are on file in the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C., and at the George S. Houston Memorial Library, 212 W. Vurdeshaw Street, Dothan, Alabama 36301.

Dated at Bethesda, Maryland, this 16<sup>th</sup> day of August, 1972.

FOR THE ATOMIC ENERGY COMMISSION

Original Signed By  
**R. C. DeYoung**

R. C. DeYoung, Assistant Director  
for Pressurized Water Reactors  
Directorate of Licensing



UNITED STATES  
ATOMIC ENERGY COMMISSION  
WASHINGTON, D.C. 20545

ALABAMA POWER COMPANY

JOSEPH M. FARLEY NUCLEAR PLANT UNIT 1

DOCKET NO. 50-348

CONSTRUCTION PERMIT

Construction Permit No. CPPR-85

1. Pursuant to §103 of the Atomic Energy Act of 1954, as amended (the Act), and Title 10, Chapter 1, Code of Federal Regulations, Part 50, "Licensing of Production and Utilization Facilities," and pursuant to the Initial Decision of the Atomic Safety and Licensing Board, the Atomic Energy Commission (the Commission) hereby issues a construction permit to the Alabama Power Company (the applicant) for a utilization facility (the facility), designed to operate at 2652 megawatts (thermal) described in the application and amendments thereto (the application) filed in this matter by the applicant and as more fully described in the evidence received at the public hearing upon that application. The facility, known as the Joseph M. Farley Nuclear Plant, Unit 1, will be located in Houston County, Alabama, about 15 miles north of Jackson County, Florida, and across the river from Early County, Georgia.
2. This permit shall be deemed to contain and be subject to the conditions specified in §§50.54 and 50.55 of said regulations; is subject to all applicable provisions of the Act, and rules, regulations and orders of the Commission now or hereafter in effect; and is subject to the conditions specified or incorporated below:
  - A. The earliest date for the completion of Unit No. 1 of the facility is July 1, 1974, and the latest date for completion is July 1, 1975.
  - B. The facility shall be constructed and located at the site as described in the application, in Houston County, Alabama.
  - C. This construction permit authorizes the applicant to construct the facility described in the application and the hearing record in accordance with the principal architectural and engineering criteria set forth therein.

D. This construction permit is subject to the following conditions for the protection of the environment.

- (1) The applicant will define a comprehensive environmental monitoring program (chemical, biological, thermal, and radiological), extending for at least one year of plant operation, and considered by the Regulatory staff to be adequate to determine changes which may occur in land and water ecosystems as a result of plant operations. If adverse effects are detected, the applicant will analyze the effects and provide a course of action to alleviate those attributed to plant operation. Data collected during the monitoring activities will be made available to the public through the Commission's local repository in Dothan, Alabama.
- (2) The applicant will develop and maintain a program for collecting comprehensive weather data from the site meteorological tower for a minimum of one year prior to the commencement of facility operations for the purpose of determining the frequency of natural occurring fogging conditions; and by using analytical methods, calculate the extent of cooling tower plumes and determine the probability of incremental fogging over those sectors that can be attributed to plant facility operation. The information collected and the calculations will be made available to the public through the Commission's local repository in Dothan, Alabama. Although it appears unlikely, if significant adverse effects such as icing or fogging conditions which create a hazard to traffic are observed; the applicant will set up a system to warn the public about such hazards.

(3) The applicant will obtain necessary specifications from the manufacturers of the cooling towers and the turbine generators and make a detailed calculation of the noise level at the site boundary paralleling Highway 95.

(4) The applicant will install gaging equipment in the Chattahoochee River in the vicinity of the facility so that continuous flow conditions of the river can be recorded. Since the impact of entrainment of aquatic life depends upon the proportion of the total volume of river water that is diverted through the facility, the applicant will also make a further assessment of the impact of entrainment during minimum and average flow conditions.

E. Pursuant to §105c(8) of the Act, the Commission has consulted with the Attorney General regarding the issuance of this construction permit. After said consultation, the Commission has determined that the issuance of this permit, subject to the conditions set forth in this subparagraph E., in advance of consideration of and findings with respect to matters covered in §105c. of the Act, is necessary in the public interest to avoid unnecessary delay in construction of the plant. At the time this construction permit is being issued an antitrust proceeding has been Noticed for hearing but not completed. The Commission, accordingly, has made no determination with respect to matters covered in §105c. of the Act including conditions, if any, which may be appropriate as a result of the outcome of the antitrust proceeding. On the basis of its findings made as a result of such antitrust proceeding, the Commission may continue this permit as issued, rescind this permit or amend this permit to include such conditions as the Commission deems appropriate. This construction permit therefore shall be subject to the outcome of an antitrust proceeding to be held pursuant to a notice of hearing dated June 28, 1972, for the purpose of determining "whether the activities under the permit[s] in question would create or maintain a situation inconsistent with the antitrust laws." Applicant and others who may be affected

hereby are on notice that the granting of this permit is without prejudice to any subsequent licensing action, including the imposition of appropriate conditions,\* which may be taken by the Commission as a result of the outcome of this antitrust proceeding. In the course of its planning and other activities, applicant will be expected to conduct itself accordingly.

3. This permit is subject to the limitation that a license authorizing operation of the facility will not be issued by the Commission unless (a) the applicant submits to the Commission, by amendment to the application, the complete final safety analysis report, portions of which may be submitted and evaluated from time to time; (b) the Commission finds that the final design provides reasonable assurance that the health and safety of the public will not be endangered by the operation of the facility in accordance with procedures approved by it in connection with the issuance of said license; and (c) the applicant submits proof of financial protection and the execution of an indemnity agreement as required by §170 of the Act.

Dated at Bethesda, Maryland, this 16<sup>th</sup> day of August, 1972.

FOR THE ATOMIC ENERGY COMMISSION

Original Signed By

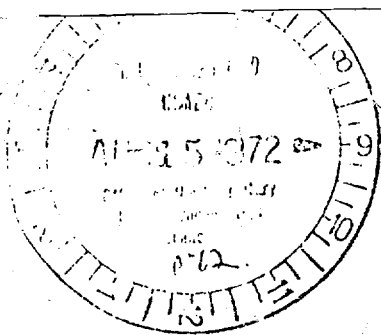
R. C. DeYoung

*for*

A. Giambusso, Deputy Director  
for Reactor Projects  
Directorate of Licensing

\* In the consultation with the Department of Justice, the Department has informed the Commission that in the course of the antitrust proceeding conditions may be sought to be attached to the permit which would require applicant among other things, to:

- 1) grant access to the Farley units to other electric utilities
- 2) provide transmission service to other electric utilities
- 3) interconnect and engage in the interchange and sale of electric bulk power supply to other electric utilities; and
- 4) engage in coordinated planning and operation of bulk power supply facilities with other electric utilities in connection with the foregoing.



DOCKET NO. 50-348, 364

UNITED STATES OF AMERICA  
ATOMIC ENERGY COMMISSION

In the Matter of )  
ALABAMA POWER COMPANY ) Docket Nos. 50-348  
(Joseph M. Farley Nuclear Plant, ) 50-364  
Units 1 and 2 )

ADDENDUM  
TO  
INITIAL DECISION

On August 11, 1972 the Atomic Safety and Licensing Board issued an Initial Decision in the above matter.

The following addendum is being incorporated in the Initial Decision. On page 28 of the Initial Decision it is stated, "As a condition of the Construction Permit, the Applicant will be required to conduct a comprehensive weather data collection program at the site for a minimum of one year of facility operations to check on meteorological effects". This condition should read, "for a minimum of one year prior to commencement of facility operations." Furthermore, on page 33 of the Initial Decision it is stated, "This program will be carried out for a period of time encompassing at least one year of facility operations." This condition should read, "for a period of




time encompassing at least one year prior to facility operations."

With respect to its continuing meteorological monitoring responsibilities the Applicant, of course, is subject to Criterion 64 of Appendix A to Part 50; the provisions of 50:34(b)(1); and the provisions of Part 100.

The results of such meteorological monitoring programs both before and during operations will be made available to the public through the Commission's local repository in Dothan, Alabama.

FOR THE ATOMIC SAFETY AND LICENSING BOARD

  
James R. Yore, Chairman

Dated at: Washington, D. C.

this 14th day of August, 1972