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Docket Nos. 50-348  
and 50-364

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AUG 10 1981



Mr. F. L. Clayton  
Senior Vice President  
Alabama Power Company  
P. O. Box 2641  
Birmingham, Alabama 35291

Dear Mr. Clayton:

This confirms our telephone authorization given on August 7, 1981 for an extension to the one-time change in Technical Specifications for the Joseph M. Farley Nuclear Plant, Unit No. 1 and Unit No. 2 as requested by telecopy on August 7, 1981. The license amendments issued on July 21, 1981 approved a temporary, one-time request and associated Technical Specification changes.

That action extended the existing Technical Specification allowed outage time of 72 hours to a total allowable outage time of nine days. By telecopy of August 7 you have requested further extension of six days to a total allowable outage time of 15 days to complete the repairs of the more extensive damage found in diesel generator 1C. We grant the emergency request to allow continued operation of Farley Units 1 and 2.

Facility Operating Licenses No. NPF-2 and NPF-8 are amended on August 7, 1981 by making the following Technical Specification changes:

<u>UNIT NO.</u>	<u>REMOVE PAGES</u>	<u>INSERT PAGES</u>
1 & 2	3/4 8-1	3/4 8-1
1 & 2	3/4 8-2	3/4 8-2
2	3/4 8-3	3/4 8-3

Copies of the license amendment, our safety evaluation, and the Federal Register Notice will be sent to you when completed.

Sincerely,

Original Signed By:

Thomas M. Novak, Assistant Director  
for Operating Reactors  
Division of Licensing

Enclosure:  
As Stated

\*See previous 318 for concurrence.

OFFICE	cc w/enclosure: See next page	ORB#1:DL	LB#1:DL	ORB#1:DL	AD-OR:DL
SURNAME		EReeves/cab.	JThoma	SVarga	TNovak
		8/10/81	8/7/81	8/10/81	8/10/81
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PDR ADOCK 05000348	PDR				

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Docket Nos. 50-348  
 and 50-364

Mr. F. L. Clayton  
 Senior Vice President  
 Alabama Power Company  
 P. O. Box 2641  
 Birmingham, Alabama 35291

Dear Mr. Clayton:

This confirms our telephone authorization given on August 7, 1981, for an extension to one-time change in Technical Specifications for the Joseph M. Farley Nuclear Plant, Unit No. 1 and Unit No. 2 as requested by telecopy on August 7, 1981. The license amendments issued on July 31, 1981 approved the temporary, one-time request and associated Technical Specification changes.

That action extended the existing Technical Specification allowed outage time of 72 hours to a total allowable outage time of nine days. By telecopy of August 7 you have requested further extension of six days to a total allowable outage time of 15 days to complete the repairs of the more extensive damage found in diesel generator 1C.

We have reviewed your request which included your safety analysis and details of tests to be done following completion of repairs. We met with your representatives and the diesel generator vendor representative in Bethesda, Maryland on August 3 for further dialogue. At this time all parties have a better understanding of the complex job of diesel overhaul which you have undertaken. Further, we understand that you consider the emergency on-site power system and the off-site power system to be highly reliable at this time. You have stated that the additional 6-days requested to complete DG 1C repairs and tests would have no adverse effects on safe operation at Farley Station.

Based on our review of your submittal, we agree to the extension and enclose new Technical Specification pages to replace those provided on July 31, 1981. The change revises only the 9 days to be 15 days in the footnotes. We consider that the 6-day added time does not substantially change the conclusions of the July 31, 1981 Safety Evaluation.

Sincerely,

Thomas M. Novak, Assistant Director for  
 Operating Reactors,  
 Division of Licensing

Enclosure: As Stated

OFFICE	cc. w/enclosure: See next page	ORB#1:DL	LB#1:DL	ORB#1:DL	AD/OR:DL
SURNAME		EReeves:ds	JThoma	SVarga	TNovak
DATE		8/7/81	8/7/81	8/7/81	8/7/81

Mr: F. L. Clayton  
Alabama Power Company

cc: Mr. W. O. Whitt  
Executive Vice President  
Alabama Power Company  
Post Office Box 2641  
Birmingham, Alabama 35291

Ruble A. Thomas, Vice President  
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George F. Trowbridge, Esquire  
Shaw, Pittman, Potts and Trowbridge  
1800 M Street, N.W.  
Washington, D. C. 20036

Chairman  
Houston County Commission  
Dothan, Alabama 36301

Mr. Robert A. Buettner, Esquire  
Balch, Bingham, Baker, Hawthorne,  
Williams and Ward  
Post Office Box 306  
Birmingham, Alabama 35201

George S. Houston Memorial Library  
212 W. Burdeshaw Street  
Dothan, Alabama 36303

Resident Inspector  
U. S. Nuclear Regulatory Commission  
Post Office Box 1814  
Dothan, Alabama 36302

State Department of Public Health  
ATTN: State Health Officer  
State Office Building  
Montgomery, Alabama 36104

Regional Radiation Representatives  
EPA Region IV  
345 Courtland Street, N.E..  
Atlanta, Georgia 30308

## 3/4.8.1 A.C. SOURCES

OPERATINGLIMITING CONDITION FOR OPERATION

3.8.1.1 As a minimum, the following A.C. electrical power sources shall be OPERABLE:

- a. Two physically independent circuits from the offsite transmission network to the switchyard and two physically independent circuits from the switchyard to the onsite Class 1E distribution system, and
- b. Two separate and independent diesel generator sets (one 4075 Kw and one 2850 Kw) each with:
  1. Separate day tanks containing a minimum volume of 900 gallons of fuel for the 4075 kw diesel generators and 700 gallons of fuel for the 2850 kw diesel generators.
  2. A separate fuel transfer pump for each diesel.
- c. A fuel storage system consisting of four independent storage tanks each containing a minimum of 25,000 gallons of fuel.

APPLICABILITY: MODES 1, 2, 3 and 4.

ACTION:

- a. With either an offsite circuit or a diesel generator set of the above required A.C. electrical power sources inoperable, demonstrate the OPERABILITY of the remaining A.C. sources by performing Surveillance Requirements 4.8.1.1.1.a and 4.8.1.1.2.a.4 within one hour and at least once per 8 hours thereafter; restore at least two offsite circuits and both diesel generator sets to OPERABLE status within 72\* hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.
- b. With one offsite circuit and one diesel generator set of the above required A.C. electrical power sources inoperable, demonstrate the OPERABILITY of the remaining A.C. sources by performing Surveillance Requirements 4.8.1.1.1.a and 4.8.1.1.2.a.4 within one hour and at least once per 8\* hours thereafter; restore at least one of the inoperable sources to OPERABLE status within 12 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours. Restore at least two offsite circuits and both diesel generator sets to OPERABLE status within 72\* hours from the time of initial loss or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

\*One time only exception for repair of Diesel 1C - the 72 hour action statement for operability of Diesel 1C may be extended to a period of 15 days provided Diesel 1C is returned to OPERABLE status as soon as maintenance is completed. The provisions of specification 3.0.4 are not applicable for this one time change.

\*\*One time only exception during repair of Diesel 1C - the 8 hour interval test is extended to 72 hours.

## ELECTRICAL POWER SYSTEMS

### ACTION (Continued)

- c. With two of the above required offsite A.C. circuits inoperable, demonstrate the OPERABILITY of both diesel generator sets by performing Surveillance Requirement 4.8.1.1.2.a.4 within one hour and at least once per 8 hours thereafter, unless the diesel generators are already operating; restore at least one of the inoperable offsite sources to OPERABLE status within 24 hours or be in at least HOT STANDBY within the next 6 hours. With only one offsite source restored, restore at least two offsite circuits to OPERABLE status within 72 hours from time of initial loss or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.
- d. With both of the above required diesel generator sets inoperable, demonstrate the OPERABILITY of two offsite A.C. circuits by performing Surveillance Requirement 4.8.1.1.1.a within one hour and at least once per 8 hours\* thereafter; restore at least one of the inoperable diesel generator sets to OPERABLE status within 2 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours. Restore both diesel generator sets to OPERABLE status within 72\* hours from time of initial loss or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

### SURVEILLANCE REQUIREMENTS

4.8.1.1.1 Each of the above independent circuits between the offsite transmission network and the onsite Class 1E distribution system shall be:

- a. Determined OPERABLE at least once per 7 days by verifying correct breaker alignments, indicated power availability, and
- b. Demonstrated OPERABLE at least once per 18 months during shut-down by transferring unit power supply from the normal circuit to the alternate circuit.

4.8.1.1.2 Each diesel generator set shall be demonstrated OPERABLE:

- a. At least once per 31 days, on a STAGGERED TEST BASIS, by:
  - 1. Verifying the fuel level in the day tank,
  - 2. Verifying the fuel level in the fuel storage tanks,

\*One time only exception for repair of Diesel 1C - the 72 hour action statement for operability of Diesel 1C may be extended to a period of 15 days provided Diesel 1C is returned to OPERABLE status as soon as maintenance is completed. The provisions of specification 3.0.4 are not applicable for this one time change.

\*\*One time only exception during repair of Diesel 1C - the 8 hour interval test is extended to 72 hours.

## 3/4.8 ELECTRICAL POWER SYSTEMS

### 3/4.8.1 A.C. SOURCES

#### OPERATING

#### LIMITING CONDITION FOR OPERATION

3.8.1.1 As a minimum, the following A.C. electrical power sources shall be OPERABLE:

- a. Two physically independent circuits between the offsite transmission network to the switchyard and two physically independent circuits from the switchyard to the onsite Class 1E distribution system, and
- b. Two separate and independent diesel generator sets (Set A: DG 1-2A and DG-1C, Set B: DG-2B and DG-2C) each with:
  1. Separate day tanks containing a minimum volume of 900 gallons of fuel for the 4075 kw diesel generators and 700 gallons of fuel for the 2850 kw diesel generator.
  2. A separate fuel transfer pump for each diesel.
- c. A fuel storage system consisting of four, independent storage tanks each containing a minimum of 25,000 gallons of fuel.\*

APPLICABILITY: MODES 1, 2, 3 and 4.

#### ACTION:

- a. With an offsite circuit inoperable, demonstrate the OPERABILITY of the remaining A.C. sources by performing Surveillance Requirements 4.8.1.1.1.a and 4.8.1.1.2.a.4 within one hour and at least once per 8 hours thereafter; restore at least two offsite circuits to OPERABLE status within 72 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.
- b. With one diesel generator set inoperable, demonstrate the operability of the remaining A.C. sources by performing Surveillance Requirements 4.8.1.1.1.a and 4.8.1.1.2.a.4 within one hour and at least once per 8 hours thereafter. Restore both diesel generator sets to OPERABLE status within 72 hours or comply with the following:
  - 1) Be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

\*One inoperable fuel storage tank is equivalent to one inoperable diesel generator set.

\*\*One time only exception for repair of Diesel 1C - the 72 hour action statement for operability of Diesel 1C may be extended to a period of 15 days provided Diesel 1C is returned to OPERABLE status as soon as maintenance is completed. The provisions of specification 3.0.4 are not applicable for this one time change.

\*\*\*One time only exception during repair of Diesel 1C - the 8 hour interval test is extended to 72 hours.

## ELECTRICAL POWER SYSTEMS

### ACTION (Continued)

2) One diesel generator set may be made inoperable for up to 14 days to perform scheduled maintenance and testing on diesel generators 1C (or 2C) provided all the following are satisfied:

- a) Unit 1 is in MODE 5 or 6 and appropriate technical specifications covering the diesel generator sets are satisfied.
- b) The remaining Unit 2 diesel generators 1-2A, 2B, 1C (or 2C) are OPERABLE.
- c) The service water system is recirculated to the pond and surveillance requirement 4.7.6.2.1 is verified prior to removing 1C (or 2C) from service and once per 8 hours thereafter.
- d) Diesel Generator 1C (or 2C) is returned to OPERABLE status as soon as maintenance is completed.

Otherwise, be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

- c. With one offsite circuit and one diesel generator set of the above required A.C. electrical power sources inoperable, demonstrate the OPERABILITY of the remaining A.C. sources by performing Surveillance Requirements 4.8.1.1.1.a and 4.8.1.1.2.a.4 within one hour and at least once per 8 hours thereafter; restore at least one of the inoperable sources to OPERABLE status within 12 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours. Restore at least two offsite circuits and both diesel generator sets to OPERABLE status within 72\*hours from the time of initial loss or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.
- d. With two of the above required offsite A.C. circuits inoperable, demonstrate the OPERABILITY of both diesel generator sets by performing Surveillance Requirement 4.8.1.1.2.a.4 within one hour and at least once per 8 hours thereafter, unless the diesel generators are already operating; restore at least one of the inoperable offsite sources to OPERABLE status within 24 hours or be in at least HOT STANDBY within the next 6 hours. With only one offsite source restored, restore both offsite circuits to OPERABLE status within 72 hours from time of initial loss or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

\*One time only exception for repair of Diesel 1C - the 72 hour action statement for operability of Diesel 1C may be extended to a period of 15 days provided Diesel 1C is returned to OPERABLE status as soon as maintenance is completed. The provisions of specification 3.0.4 are not applicable for this one time change.

\*\*One time only exception during repair of Diesel 1C - the 8 hour interval test is extended to 72 hours.

## ELECTRICAL POWER SYSTEMS

### ACTION: (Continued)

- e. With both of the above required diesel generator sets inoperable, demonstrate the OPERABILITY of two offsite A.C. circuits by performing Surveillance Requirement 4.8.1.1.1.a within 1 hour and at least once per 8 hours\* thereafter; restore at least one of the inoperable diesel generator sets to OPERABLE status within 2 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours. Restore both diesel generator sets to OPERABLE status within 72\* hours from time of initial loss or be in least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

### SURVEILLANCE REQUIREMENTS

4.8.1.1.1 Each of the above required independent circuits between the offsite transmission network and the onsite Class 1E distribution system shall be:

- a. Determined OPERABLE at least once per 7 days by verifying correct breaker alignments, indicated power availability, and
- b. Demonstrated OPERABLE at least once per 18 months during shutdown by transferring unit power supply from the normal circuit to the alternate circuit.

4.8.1.1.2 Each diesel generator shall be demonstrated OPERABLE:

- a. In accordance with the frequency specified in Table 4.8-1 on a STAGGERED TEST BASIS by:
  - 1. Verifying the fuel level in the day tank,
  - 2. Verifying the fuel level in the fuel storage tanks,
  - 3. Verifying the fuel transfer pump can be started and transfers fuel from the storage system to the day tank,
  - 4. Verifying the diesel starts from ambient condition and accelerates to at least 900 rpm, for the 2850 kw generator and 514 rpm for the 4075 kw generators, in less than or equal to 10 seconds. The generator voltage and frequency shall be  $\geq 3952$  volts and  $\geq 57$  Hz within 10 seconds after the start signal.
  - 5. Verifying the generator is synchronized, loaded to greater than or equal to its continuous rating, and operates for greater than or equal 60 minutes,

\*One time only exception for repair of Diesel 1C - 72 hour action statement for operability of Diesel 1C may be extended to a period of 15 days provided Diesel 1C is returned to OPERABLE status as soon as maintenance is completed. The provisions of specification 3.0.4 are not applicable for this one time change.

\*\*One time only exception during repair of Diesel 1C - the 8 hour interval test is extended to 72 hours.