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**R. P. McDonald**  
Senior Vice President  
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August 17, 1984



Docket No. 50-364

Director, Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Attention: Mr. S. A. Varga

Joseph M. Farley Nuclear Plant - Unit 2  
10CFR50.49 - Environmental Qualification  
of Regulatory Guide 1.97 Equipment

Gentlemen:

In letter dated October 21, 1983, the NRC granted Alabama Power Company an extension until March 31, 1985 to complete the upgrading of selected Unit 2 Regulatory Guide 1.97 (R.G. 1.97) equipment in lieu of the schedule provided in 10CFR50.49(g). This extension was in response to Alabama Power Company's September 27, 1983 request which included as Attachment 2 a list of accident monitoring equipment potentially requiring environmental qualification. These potential modifications were referenced in the October 21, 1983 NRC letter as those modifications for which the extension to March 31, 1985 had been granted.

Alabama Power Company, in consultation with the NRC Staff, has subsequently determined that modifications of R.G. 1.97 instruments with only environmental qualification deviations may be considered separately from modifications of R.G. 1.97 instruments which address deviations of more than one R.G. 1.97 criteria. As a result, those instruments identified in Attachment 2 of the September 27, 1983 letter with only deviations to the environmental qualification provisions of R.G. 1.97 will be completed in accordance with the 10CFR50.49 schedule of March 31, 1985, as provided in the October 21, 1983 NRC extension letter. These instruments, applicable to the 10CFR50.49 completion schedule, are included in the attachment to this letter.

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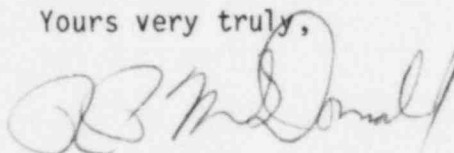
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It should be noted that these Farley Nuclear Plant - Unit 2 items are equivalent to the items for which the NRC granted an extension for Unit 1 by letter dated April 16, 1984. The remaining Unit 2 potential environmental qualification modifications identified in the September 27, 1983 Alabama Power Company extension request will be completed in accordance with the Regulatory Guide 1.97 implementation schedule as committed to in Alabama Power Company's March 30, 1984 R.G. 1.97 Compliance Report to the NRC. The qualification of the accident monitoring equipment in this manner provides for a coordinated modification effort which addresses all applicable R.G. 1.97 provisions for each instrument as opposed to a series of modification efforts on the same instrument which address only individual R.G. 1.97 provisions (e.g., environmental qualification).

If you have any questions, please advise.

Yours very truly,



R. P. McDonald

RPM/JAR:grs-D29

Attachment

cc: Mr. L. B. Long  
Mr. G. F. Trowbridge  
Mr. J. P. O'Reilly  
Mr. E. A. Reeves  
Mr. W. H. Bradford

Attachment

Accident Monitoring Equipment Which is to be Replaced Within  
the Extended Schedule of 10CFR50.49

Identified below are manufacturer and model numbers for presently installed equipment that is located in a harsh environment and for which environmental qualification documents have not been located. These components are scheduled to be replaced with qualified components during the Unit 2, third refueling outage.

A. Containment Spray Flow

<u>Plant ID No.</u>	<u>Generic Name</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Location</u>
N2E13FT0958A	Transmitter	Foxboro	E13DMISAH2	Auxiliary Building E1-100'
N2E13FT0958B	Transmitter	Foxboro	E13DMISAH2	Auxiliary Building E1. 100'

B. Charging Line Flow

<u>Plant ID No.</u>	<u>Generic Name</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Location</u>
N2E21FT0122	Transmitter	Foxboro	E13DHISAH2	Auxiliary Building E1. 100'

C. Letdown Flow

<u>Plant ID No.</u>	<u>Generic Name</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Location</u>
Q2E21FT0150	Transmitter	Foxboro	E13DMISAH2	Auxiliary Building E1. 100'

D. Volume Control Tank Level

<u>Plant ID No.</u>	<u>Generic Name</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Location</u>
Q2E1LT0115	Transmitter	Barton	396	Auxiliary Building E1. 121'

## Attachment

Accident Monitoring Equipment Which is to be Replaced Within the  
Extended Schedule of 10CFR50.49

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## E. Reactor Coolant Pump Seal Injection Flow

<u>Plant ID No.</u>	<u>Generic Name</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Location</u>
N2E21FT0124	Transmitter	Foxboro	E13DH1SAM2	Auxiliary Bldg. El. 121'
127	Transmitter	Foxboro	E13DH1SAM2	Auxiliary Bldg. El. 121'
130	Transmitter	Foxboro	E13DH1SAM2	Auxiliary Bldg. El. 121'
N2E21FI0124B	Local Indicator	To be Determined	To be Determined	Auxiliary Bldg. El. 121'
127B	Local Indicator	To be Determined	To be Determined	Auxiliary Bldg. El. 121'
130B	Local Indicator	To be Determined	To be Determined	Auxiliary Bldg. El. 121'

## F. Containment High Range Radiation Monitor

<u>Plant ID No.</u>	<u>Generic Name</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Location</u>
2VAI5011F	Cable	Belden	8263	Auxiliary Bldg. El. 139'
2VAI5011H	Cable	Belden	8263	Auxiliary Bldg. El. 139'