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R. P. McDonald
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August 31, 1984

Docket Nos. 50-348
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 - Units 1 and 2
NUREG-0737, Item II.B.3, Post-Accident Sampling Capability

Gentlemen:

NUREG-0737, Item II.B.3, Post-Accident Sampling Capability, provides that the Farley Nuclear Plant be capable of performing chloride analysis of post-accident samples within four days after the decision to take a post-accident sample. This analysis is not required to be performed onsite. In Alabama Power Company's February 9, 1981 letter to the NRC, it was stated that arrangements had been made to perform this analysis offsite within the four day time-constraint.

By letter dated April 1, 1983 Alabama Power Company reiterated the four day time-constraint for chloride analysis and stated that ion specific electrodes would be utilized in such analysis. This position was confirmed by the December 15, 1983 NRC Safety Evaluation regarding NUREG-0737 Item II.B.3, Post-Accident Sampling Capability. It has been subsequently determined that use of ion specific electrodes for chloride analysis may not be appropriate for all levels of possible iodine concentration. In the event that the iodine concentration of the post-accident sample precludes the use of an ion specific electrode for chlorine analysis, an ion chromatograph will be utilized for chloride measurement within the four day time-constraint. This instrument is capable of measuring the expected levels of chloride concentration in the anticipated post-accident iodine environment.

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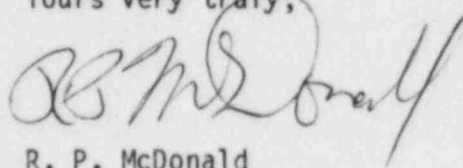
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Alabama Power Company hereby clarifies its April 1, 1983 response in that chloride analysis may be performed either onsite, by use of either an ion chromatograph or other suitable instrument, or offsite if required. In any event, chloride analysis will be performed within four days as required by NUREG-0737, Item II.B.3.

If there are any questions, please advise.

Yours very truly,

A handwritten signature in cursive script, appearing to read "R. P. McDonald".

R. P. McDonald

RPM/JAR:grs-D7

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