

Official

DEC 20 1985

✓ Duke Power Company
ATTN: Mr. H. B. Tucker, Vice President
Nuclear Production Department
422 South Church Street
Charlotte, NC 28242

Gentlemen:

SUBJECT: CONFIRMATORY MEASUREMENT RESULTS
DOCKET NOS. 50-369, AND 50-370

As part of the NRC Confirmatory Measurements Program, spiked liquid samples were sent on July 22, 1985, to your facility for selected radiochemical analyses. We are in receipt of your analytical results transmitted to us by your letters dated October 1, and November 22, 1985, and subsequent to verification of your values as per our conversation by telephone on December 2, 1985. The following comparison of your results to the known values are presented in Enclosure 2 for your information. The acceptance criteria for the comparisons are listed in Enclosure 1.

In our review of the data, comparative results were in agreement for H-3, Sr-89 and Sr-90 analyses and disagreement for Fe-55. This disagreement may be indicative of a programmatic weakness and therefore, your attention is directed to determining the underlying cause for this disagreement. Furthermore, all data should be reviewed in greater detail by cognizant staff members for significant trends in the data among successive years in which samples have been analyzed by your facility.

These results and any results from previous years pertaining to these analyses will be discussed at future NRC inspections.

Sincerely,

Roger D. Walker, Director
Division of Reactor Projects

Enclosures:

1. Acceptance Criteria
2. Confirmatory Measurement Comparisons

cc w/encl:

✓ T. L. McConnell, Station Manager

bcc w/encl:

✓ NRC Resident Inspector
✓ D. Hood, NRR
Document Control Desk
State of North Carolina

RII

WPK GKuzo
12/16/85

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WCline
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DCollins
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HDance
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VBrownlee
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