

January 8, 1993

Docket Nos. 50-313
and 50-368

Mr. Jerry W. Yelverton
Vice President, Operations AND
Entergy Operations, Inc.
Route 3 Box 137G
Russellville, Arkansas 72801

Dear Mr. Yelverton:

SUBJECT: POST-ACCIDENT MEASUREMENT OF pH AT ARKANSAS NUCLEAR ONE, UNITS 1
AND 2 (TAC NOS. M82201 AND M82202)

By letter dated November 15, 1991, Entergy Operations, Inc. (the licensee), described their methodology for pH measurement in the post-accident grab samples for Arkansas Nuclear One, Units 1 and 2. In a previous letter dated September 7, 1984, the licensee informed the NRC that the measurement of pH in the post-accident grab samples will be performed offsite. However, no specific details were provided at that time.

In the November 15, 1991, submittal, the licensee stated that Babcock and Wilcox will perform analyses of the post-accident grab samples and measure their pH. The pH will be measured with a pH probe to an accuracy of ± 0.3 pH units for values in the range of 5 to 9, and ± 0.5 units for all other pH values. The range over which measurements will be made is from pH 1 to 13.

We have reviewed the licensee's submittal and find that the methodology for pH measurement as proposed by the licensee meets the requirements specified in Regulatory Guide 1.97, Table 3, and the guidelines clarifying the post-accident sampling criteria, described in NUREG-0737, Item 11.B.3. We conclude, therefore, that the methodology is acceptable.

Sincerely,

ORIGINAL SIGNED BY:

Roby B. Bevan, Project Manager
Project Directorate IV-1
Division of Reactor Projects - III/IV/V
Office of Nuclear Reactor Regulation

ORIGINAL SIGNED BY:

Thomas W. Alexion, Project Manager
Project Directorate IV-1
Division of Reactor Projects - III/IV/V
Office of Nuclear Reactor Regulation

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P PDR

cc: See next page

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Docket File

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OGC

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NRC & Local PDRs

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PD4-1 Plant File

ACRS (10) (P-315)

PD4-1 Reading

J. Larkins

T. Alexion

A. B. Beach

OFC	LA:PD4-1	PM:PD4-1	PM:PD4-1	D:PD4-1
NAME	PNoonan	RBevan.pk	TAlexion	JLarkins
DATE	12/31/92	12/31/92	1/5/93	1/18/93

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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We have reviewed the licensee's submittal and find that the methodology for pH measurement as proposed by the licensee meets the requirements specified in Regulatory Guide 1.97, Table 3, and the guidelines clarifying the post-accident sampling criteria, described in NUREG-0737, Item II.B.3. We conclude, therefore, that the methodology is acceptable.

Sincerely,

A handwritten signature in cursive script, reading "Roby B. Bevan".

Roby B. Bevan, Project Manager
Project Directorate IV-1
Division of Reactor Projects - III/IV/V
Office of Nuclear Reactor Regulation

A handwritten signature in cursive script, reading "Thomas W. Alexion".

Thomas W. Alexion, Project Manager
Project Directorate IV-1
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Office of Nuclear Reactor Regulation

cc: See next page

Mr. Jerry W. Yelverton
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Arkansas Nuclear One, Units 1 & 2

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