

From: Thomas Alexion
To: BENNETT, STEVE A
Date: 1/29/04 10:36AM
Subject: EXPANSION OF QUESTION 5 - ANO-1 STEAM GENERATOR INSPECTION REPORT

Steve,

See the attached.

Tom

Mail Envelope Properties (4019286D.BC6 : 0 : 20628)

Subject: EXPANSION OF QUESTION 5 - ANO-1 STEAM GENERATOR
INSPECTION REPORT

Creation Date: 1/29/04 10:36AM

From: Thomas Alexion

Created By: TWA@nrc.gov

Recipients	Action	Date & Time
entergy.com	Transferred	01/29/04 10:36AM
SBENNE2 (BENNETT, STEVE A)		

Post Office	Delivered	Route
		entergy.com

Files	Size	Date & Time
Murphy.wpd	5604	01/28/04 03:00PM
MESSAGE	657	01/29/04 10:36AM

Options

Auto Delete: No
Expiration Date: None
Notify Recipients: Yes
Priority: Standard
Reply Requested: No
Return Notification: None

Concealed Subject: No
Security: Standard

To Be Delivered: Immediate
Status Tracking: Delivered & Opened

Expansion of Question #5 from the Previous RAI
Steam Generator Inspection Report
Arkansas Nuclear One, Unit 1

1. What is the acceptance criterion that is being used?
2. What is the basis / derivation of the acceptance criterion?
3. If the acceptance criterion is expressed in terms of post-accident dose or if the acceptance criteria was backcalculated from dose, please explain the significant assumptions and inputs that are used to calculate the dose from the measured leakage and vice versa.
4. Are the methodology, assumptions and inputs of these analyses consistent with regulatory guidance for design basis accidents?
5. Provide summary description of how the 1.87 gpm leak rate estimate was determined for LBLOCA. This should include the following information:
 - a. Does this estimate consider leakage from flaws other than circumferential cracks?
 - b. Brief description of method used to calculate leakage for circumferential cracks in the original roll or heat affected zone adjacent to the tube-to-tubesheet seal weld if no reroll is present.
 - c. Brief description of method used to calculate leakage for circumferential cracks at or below lower transition of original roll if no reroll is present.
 - d. Brief description of method used to calculate leakage for circumferential cracks at reroll repair.
 - e. Brief description of method used to calculate leakage for circumferential cracks inboard of reroll repair.
 - f. Brief description of method used to calculate leakage for circumferential cracks outboard of reroll repair. Are the portions of tubing outboard of reroll repairs subject to inspection?