From: Michelle Honcharik
To: McCutchen, Edward L.
Date: 4/14/04 2:27PM
Subject: LOCA Dose Methodology

Ed,
Please see attached.
Michelle

CC: Paul Fleming

Plant: Cooper

Docket: 50-298

PM: Michelle Honcharik

The following questions are for Monday's call; page references are to attachment 1 of the December 9, 2003 submittal.

1. Page 7 - Please describe how the operator will be able to access both Turbine Stop Valves that are located approximately 8.5 feet off the floor.

2. Page 8 - Please describe how the walk down was performed. For example, how many individuals/crews participated in the walk down? What actions were actually demonstrated to be performed within the "estimated 30 minutes" time to accomplish the task...e.g., did the time include ingress/egress to the valve locations, access to the tools that are 25-30 feet away from the valves, etc? The illustration provided in the December 9, 2003 submittal shows an operator at the valve location dressed in "anti-C's", it appears. Did the 30 minute time estimate include tie to dress-out?

3. Page 8 - "With the MSIV leakage assumed in the LOCA analysis and conservative assumptions, this evolution would be performed well before any radiological release to the Turbine Building could occur from Turbine Valve shaft clearance area leakage. The implementing emergency procedure directs completion within 30 hours." Please explain how the 30 hours time to take the required manual actions was derived. What is the minimum amount of time that an operator will have to perform the required actions before encountering a hostile environment?

4. Page 9 - Please explain what modifications were made after RFO21 to improve the capability of the emergency lighting system. "Directly after a LOCA induced shutdown, the area surrounding the Turbine Stop Valves would be hot from residual heat in the piping and valves..." Though the "majority of equipment in the area is insulated," how hot is the area expected to become? Is there need for special personnel protection/equipment?

5. Page 15 (Table 1) - Please explain/clarify: Are all the manual actions in the table required to "configure the MSIV Leakage Pathway," as the table title (and Page 3) indicate? If so, please explain how the manual actions (other than the Turbine Stop Valve adjustments) are accomplished. For example, where are the locations of the other valves in relation to the Turbine Stop Valves? Does the same person who is manually adjusting the Turbine Stop Valves carry out the remaining valve closures? What steps are required to perform the remaining valve manipulations? How much time is required to complete the remaining valve manipulations? How has it been determined that the other valve manipulations can be successfully performed in the time allowable?

Mail Envelope Properties (407D827F.20B : 11 : 19583)

Subject:	LOCA Dose Methodology
Creation Date:	4/14/04 2:27PM
From:	Michelle Honcharik
Created By:	MCH3@nrc.gov

Recipients	**Action**	**Date & Time**
nppd.com		
elmccut (McCutchen, Edward L.)		
pvflemi CC (Paul Fleming)		

Post Office	**Delivered**	**Route**
	Pending	nppd.com

Files	**Size**	**Date & Time**
MC1572 April questions.doc	26624	04/14/04 02:25PM
MESSAGE	550	04/14/04 02:27PM

Options

Auto Delete:	No
Expiration Date:	None
Notify Recipients:	Yes
Priority:	Standard
Reply Requested:	No
Return Notification:	
Send Notification when Opened	
Concealed Subject:	No
Security:	Standard
To Be Delivered:	Immediate
Status Tracking:	Delivered & Opened