

June 17, 1997

Mr. Lew W. Myers
Vice President Nuclear - Perry
Centerior Service Company
P.O. Box 97, A200
Perry, OH 44081

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION, PERRY NUCLEAR POWER
PLANT, UNIT 1

Dear Mr. Myers:

The NRC staff had a discussion with your staff on June 11, 1997, regarding compensatory actions to be taken when emergency closed cooling water leakage necessitates operator actions to refill the system. Although the enclosed questions were addressed during the conference call, we are requesting a written response to ensure a consistent understanding. Please respond to the enclosed questions within one week of receipt.

Please contact me at (301) 415-3017 if you have any questions.

Sincerely,

Original signed by:

John B. Hickman, Project Manager
Project Directorate III-3
Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

Docket No. 50-440

Enclosure: Request for Additional Information

cc w/encl: See next page

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OFFICE	PD33-LA	E	PD33-PM	E
NAME	CBoyle <i>cyb</i>		JHickman <i>JHickman</i>	
DATE	06/17/97		06/17/97	

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NAME	CBoyle <i>CB</i>		JHickman <i>JH</i>	
DATE	06/17/97		06/17/97	

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L. Myers
Centerior Service Company

Perry Nuclear Power Plant
Units 1 and 2

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REQUEST FOR ADDITIONAL INFORMATION
PERRY NUCLEAR POWER PLANT, UNIT 1
DOCKET NO. 50-440

1. Is it correct that the operator actions are a temporary compensatory measure?
2. What events would require these actions to be taken (i.e., operator dispatched to manually fill the tank and maintain level)?
3. Please explain the staffing requirements discussed on p. 16/26 of the 10 CFR 50.59 evaluation.
4. Have you determined what the workload is expected to be for the operators over the range of events which would require them to take these actions? Would there be sufficient time and resources (i.e., operators) to carry out the activities?
5. What indications are used in the Control Room (CR) other than alarm indication (LO SURGE TK LVL) by the operators to determine if actions need to be taken?
6. What local indications are used by operators to assess tank level?
7. Are these indications qualified?
8. What procedures are in place to direct operator actions? Under what conditions (e.g., SBO, LOOP, Seismic, LOCA, etc.) would operators need to implement such procedures?
9. At what point, following the transient, would an operator be dispatched to check on tank status? What would be the proposed dose to individual?
10. What is the ingress/egress path for the operators to get to tank indication and to the valve which must be opened?
11. Must the operators dress-out to access the valves? Was this activity included in the timing evaluation conducted?
12. Is the valve(s) to be opened in close proximity to any similar valve(s)? What provisions are in place to ensure operators do not make an error of omission or commission in performing the activity?
13. Is the valve(s) routinely manipulated by operators? Is this action considered to be within the skill of the craft for the operators?
14. Are there any provisions for independent verification of the manual operator actions in the field?
15. Describe the training provided to the operators. Have all operators been trained on the evolution?

16. Once the valve(s) is opened, what provisions are in place to ensure that tank overfill does not occur?
17. What operator actions are required if overfill does occur? What is the dose projected to operators in the event this occurs?
18. If the CR annunciation system is lost, what provisions are in place to ensure tank status is recognized, and what actions are necessary to maintain the tank level within operating band?
19. In the 10 CFR 50.59 review, 5 minutes is stated as being sufficient to accomplish the tasks. What is this assumed time based on?
20. What is the impact on the ECCS if the operator does not fill the tank at 54/57 minutes? What is the expected outcome at approximately 55 or 65 minutes?