

DC 10

JUN 30 1992

Docket No. 50-440

Centerior Service Company
ATTN: Mr. Michael D. Lyster
Vice President
Nuclear - Perry
c/o The Cleveland Electric Illuminating
Company
10 Center Road
Perry, OH 44081

Dear Mr. Lyster:

This letter is to inform you of a planned special ALARA appraisal at the Perry Nuclear Power Plant from September 13 to 18, 1992. The team is expected to include four inspectors from Region III and two individuals from other NRC offices. We will provide certification of radiation protection training so that site specific training will be sufficient for unescorted access to radiologically controlled areas.

To assist the team in its preparation, we would appreciate that the information identified in the attachments to this letter be provided to Region III by August 5, 1992.

The above information was discussed with Mr. L. VanDerHorst on June 24, 1992. We appreciate your cooperation in this matter. If you have any questions, please contact Marty Schumacher at (708) 790-5514 or Dr. Charles Gill at (708) 790-5261.

Sincerely,

ORIGINAL SIGNED BY W. L. AXELSON

Charles E. Norelius, Director
Division of Radiation Safety
and Safeguards

Attachments:

1. Index of Requested Material
2. Perry Processes & Practices Questionnaire

See Attached Distribution

RIII 7AK 6/30/92 Kunowski/jp	RIII (19) Gill 6/30/92 yes	RIII <i>[Signature]</i> Schumacher y	RIII <i>[Signature]</i> Pederson 6/30/92	RIII RDF Lanksbury 6/30/92 IE 06
------------------------------------	--	---	---	--

[Handwritten notes: In light 6/30/92]

9207100175 920630
PDR ADOCK 05000440
PDR

JUN 30 1992

Distribution:

cc w/attachments:

F. R. Stead, Director, Nuclear
Support Department
R. A. Stratman, General Manager,
Perry Nuclear Power Plant
Kevin P. Donovan, Manager,
Licensing and Compliance Section
S. F. Kensicki, Director, Perry
Nuclear Engineering Dept.
H. Ray Caldwell, General
Superintendent Nuclear Operations
DCD/DCB (RIDS)
Licensing Fee & Debt Collection
Branch
Resident Inspector, RIII
Terry J. Lodge, Esq.
James R. Williams, State of Ohio
Robert E. Owen, Ohio
Department of Health
A. Grandjean, State of Ohio,
Public Utilities Commission
Clinton SRI

INDEX OF REQUESTED MATERIAL

- + Completed ALARA Questionnaire (Attachment 2)
- + A description of the ALARA organization structure (Routine and Outage, 1991-1992)
- + ALARA Committee meeting minutes (1989-1992)
- + ALARA program procedures
- + ALARA suggestion/incentive program description
- + A description of any ALARA training courses (beyond basic radiation worker training); please include lesson plans and student handouts and reference material
- + ALARA program assessments/audits and responses (1989-1992)
- + Post-outage ALARA reports and critiques (1989-1992)
- + RWP, work request, and modification procedures
- + A list of person-rem goals, estimates, and actual doses for high dose jobs, as listed on page 14 and in Appendix A of NUREG/CR-4254 (1988-1992)
- + A list of person-rem goals and actual doses by work group (1988-1992)
- + A description of your person-rem goal setting method
- + Dose rate buildup survey data (e.g., BRAC, Diamond Surveys) (1987-1992)

PERRY PROCESSES AND PRACTICES QUESTIONNAIRE

Unit No.: _____
Contact Person: _____
Phone: _____

GROUP 1 - CONTROL OF DOSE RATES

<u>SOURCE RELATED</u>	<u>Adopted¹</u>	<u>Comment²</u>	<u>Cost/Benefit³</u>
<u>Material</u>			
1. Cobalt QA-procedures on fuel pins, and control blades?	_____	_____	_____
2. Cobalt reduction program?	_____	_____	_____
3. Material selection for piping and deaeration tank?	_____	_____	_____
<u>Chemistry</u>			
4. Fe control?	_____	_____	_____
5. O ₂ control in feedwater and reactor water?	_____	_____	_____
6. Zn in reactor water or Zn injection?	()	_____	_____
7. Monitor and control metallic ion content of both condensate and reactor water?	()	_____	_____
8. Hydrogen water chemistry?	_____	_____	_____

¹Place a yes or no in this column or a specific value if parentheses are used.

²Place an H (High), M (Medium), or L (Low) in this column to indicate impact on dose reduction. Add a check mark (✓) in this column if a comment is attached.

³Place a check mark (✓) in this column if a cost-benefit analysis was done and attach a summary.

	<u>Adopted¹</u>	<u>Comment²</u>	<u>Cost/Benefit³</u>
<u>Preconditioning</u>			
9. Passivation of new piping?	_____	_____	_____
10. Pre-filming conditioning for primary circuit?	_____	_____	_____
<u>Decontamination, Filters, Flushing</u>			
11. Cavity wall and other special decontamination machines?	_____	_____	_____
12. Chemical decontamination of primary systems?	_____	_____	_____
13. Electropolish:			
(a) refueling tools?	_____	_____	_____
(b) lifting rigs?	_____	_____	_____
(c) new piping?	_____	_____	_____
14. Condensate pre-filters?	_____	_____	_____
15. High-temperature electromagnetic filters?	_____	_____	_____
16. Pre-coat filters on condensate demineralizers?	_____	_____	_____
17. Hollow fibre filter in condensate or feed water systems?	_____	_____	_____
18. Special clean-up procedures after valve maintenance?	_____	_____	_____
19. Hot-spot reduction program?	_____	_____	_____
<u>Radiation Shielding</u>			
20. Fuel transfer chute shielding?	_____	_____	_____
21. Reactor head shield?	_____	_____	_____

¹Place a yes or no in this column or a specific value if parentheses are used.

²Place an H (High), M (Medium), or L (Low) in this column to indicate impact on dose reduction. Add a check mark (✓) in this column if a comment is attached.

³Place a check mark (✓) in this column if a cost-benefit analysis was done and attach a summary.

	<u>Adopted¹</u>	<u>Comment²</u>	<u>Cost/Benefit³</u>
22. Shield wall between turbine and generator?	_____	_____	_____
23. Special shields (control rod drive, temperature indicator probe detector cable, etc.)?	_____	_____	_____
<u>Working Requirements</u>			
24. Sealless RWCU pump?	_____	_____	_____
25. Valve and valve-packing improvement program?	_____	_____	_____
26. Improved in-core neutron monitor?	_____	_____	_____
27. Bellows seal-type valves?	_____	_____	_____
<u>Automation Tools</u>			
28. Automatic control rod drive handling machines?	_____	_____	_____
29. Automatic or semi-automatic ultrasonics for inspection of piping and components?	_____	_____	_____
30. Main steam isolation valve automatic seat-lapping and handling equipment?	_____	_____	_____
31. Multi-stud tensioner for reactor vessels head bolts?	_____	_____	_____
32. Permanent platforms?	_____	_____	_____
33. Quick-disconnect insulation?	_____	_____	_____
34. Computer-controlled automatic indexing refueling machine?	_____	_____	_____

¹Place a yes or no in this column or a specific value if parentheses are used.

²Place an H (High), M (Medium), or L (Low) in this column to indicate impact on dose reduction. Add a check mark (✓) in this column if a comment is attached.

³Place a check mark (✓) in this column if a cost-benefit analysis was done and attach a summary.

	<u>Adopted¹</u>	<u>Comment²</u>	<u>Cost/Benefit³</u>
35. Remote tooling, robotics, and remote surveillance? (Give examples)	_____	_____	_____
36. Semi-automatic overhauling and inspection equipment for control rod drive mechanisms?	_____	_____	_____
37. Thread cleaner for reactor pressure vessel?	_____	_____	_____
38. Viewing windows (e.g., rad-waste and fork truck)?	_____	_____	_____
39. High-pressure water jet for primary circuit and reactor pressure vessel cleaning?	_____	_____	_____
40. RWCU pump in lower temperature side?	_____	_____	_____
<u>GROUP 3 - ALARA MEASURES</u>			
41. Special training for high-dose jobs: (a) Computerized plant tour system? (b) Mockup and dry runs?	_____ _____	_____ _____	_____ _____
42. Formalized mechanism to incorporate lessons learned from post job reviews into future jobs?	_____	_____	_____
43. ALARA or similar committees?	_____	_____	_____
44. Valuation of person-rem in cost-benefit evaluations?	_____	_____	_____
45. Overall plant ALARA study and prioritization of actions?	_____	_____	_____

¹Place a yes or no in this column or a specific value if parentheses are used.

²Place an H (High), M (Medium), or L (Low) in this column to indicate impact on dose reduction. Add a check mark (✓) in this column if a comment is attached.

³Place a check mark (✓) in this column if a cost-benefit analysis was done and attach a summary.

	<u>Adopted¹</u>	<u>Comment²</u>	<u>Cost/Benefit³</u>
<u>Operations</u>			
46. Fuel cycle length (months)?	()	_____	_____
47. Fuel rod cleaning?	_____	_____	_____
48. Minimize and control crud burst during shutdown?	_____	_____	_____
49. Fuel sip for minor leaks?	_____	_____	_____
50. Policy on shutdown if fuel leaks?	_____	_____	_____
51. Percent water processes by reactor water clean-up system during:			
(a) operation?	()	_____	_____
(b) shutdown?	()	_____	_____
(c) startup?	()	_____	_____

¹Place a yes or no in this column or a specific value if parentheses are used.

²Place an H (High), M (Medium), or L (Low) in this column to indicate impact on dose reduction. Add a check mark (✓) in this column if a comment is attached.

³Place a check mark (✓) in this column if a cost-benefit analysis was done and attach a summary.