

RELATED CORRESPONDENCE

U. S. Nuclear Regulatory Commission

In the Matter of  
CPC Midland Plant  
Units 1 & 2

Docket Nos.  
'82 DEC -9 A10 50-329 OL  
50-330 OL

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

12/2/82

STAMIRIS REQUESTS OF NRC STAFF REGARDING NONFUEL OPERATION  
AND MAINTENANCE COST CONSIDERATIONS

The following requests are based upon NUREG/CR2844, ORNL/TM 8324 "Nonfuel O & M Costs for Large Steam Electric Power Plants -1982" and the O & M cost considerations of the FES cost/benefit analysis for Midland. In recognition of the provisions of 10 CFR 2720(h)(2)(ii), Intervenor Stamiris requests the NRC Staff to voluntarily respond to these interrogatories.

1. Explain in detail the basis for the drop in O&M cost estimates from 10 mil/kwh to 6 mil/kwh between the DES and FES table 6.1 assessment, including the basis for the change in capacity factors of DES table 2.1(p2-3) and FES table 2.1 (pA-32).
2. Did the "kwh" denominator in the mil/ kwh column of FES table 2.1 change from its DES value? If yes, explain the change, the reason for change, and the effects of such change on O&M cost estimates.
3. Why did the NRC change from the DES "design rating" of 1310 MWe to the FES "gross nameplate rating" of 1357MWe, and what effect does this have on the O&M cost estimates? (tables 6.1 and 2.1)
4. What would the average annual O&M costs be if based on the 66% average lifetime capacity factor? (Answer in millions of dollars and mil/kwh.)

5. Are the O&M cost considerations equal for the Unit I and Unit II reactors? Explain.
6. Provide a breakdown of Midland's average annual O&M cost estimates into its component parts as set forth in NUREG/CR2844 table 1.1, p2. Cite the capacity factor and MWe value used. Include estimates for onsite staff, maintenance materials, supplies and expenses, regulatory expenses, offsite support services, insurance, administrative and general, and add any other factors considered for Midland.
7. To what extent have operational surveillance and monitoring or ISI programs been taken into account in O&M considerations? Include but do not limit this answer to programs discussed on SER pages 5-19, and 5-21, 3-13, 5-11, and 5-14.
8. What cost estimate has been made and/or included in O&M cost estimates for remediation of the Unit I beltline weld WF-70 or other reactor vessel welds to protect against embrittlement and pressurized thermal shock?
9. To what extent have the expenses of the galvanic protection system for piping been taken into account in the FES O&M estimates?

cc: ASLB Judges  
M. Miller, CPC  
W. Paton, NRC  
Secretary NRC

Respectfully Submitted,

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