

December 4, 1987

Docket No. 50-335

DISTRIBUTION

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FACILITY: St. Lucie Plant, Unit No. 1

SUBJECT: SUMMARY OF OCTOBER 29 AND 30, 1987 AUDIT OF J. OATS AND  
HOLTEC IN SUPPORT OF RERACKING OF THE UNIT 1 SPENT FUEL  
POOL (TAC NO. 65587)

~~Docket File~~

NRC & Local PDRs

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OGC-Bethesda

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J. Partlow

H. Ashar

ACRS (10)

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Members of the NRC staff (E. Tourigny, H. Ashar and NRC Consultant from Brookhaven National Laboratory, G. DeGrassi) visited two of the Florida Power and Light Company's (FP&L) consultants on October 29 and 30, 1987. One FP&L consultant, J. Oats, of Camden, New Jersey, is responsible for fabricating the new spent fuel racks. The other FP&L consultant, Holtec, is providing structural analysis services. The purpose of the audit was to review the rack fabrication process and to review details of the structural analysis calculations.

The NRC staff observed some of the FP&L racks during various stages of fabrication. The staff discussed the various fabrication steps and quality control (Q/C) check points with J. Oats personnel. Stainless steel sheets are precut and formed into half channels. Two half channels are then mated to form a channel or box. Boraflex strips are then placed on the side of a channel and secured in place by a cover plate.

The channels are then placed side-to-side and welded along the length of the channels. The welds are placed a few inches apart. Once all the channels are welded together, the rack module is welded to the base plate. The top girdle bar is then welded to the top of the rack or module. Quality control personnel independently check all the above steps.

The NRC staff reviewed the details of the various structural analysis calculations. Holtec personnel took the lead in presenting methodology, input assumptions and results. The staff noted that for the structural analysis, the weight of material contained in a fuel cell box was twice the weight of a standard St. Lucie plant fuel assembly. However, the multi-rack impact analysis will be performed using the weight of a single fuel assembly per fuel cell.

E. G. Tourigny, Project Manager  
Project Directorate II-2  
Division of Reactor Projects-I/II

cc: See next page \*SEE PREVIOUS CONCURRENCE

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NRR/ESGB  
HAshar  
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D:PDII-2  
HBerkow  
12/4/87

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1. The first part of the report deals with the general situation of the country and the progress of the work during the year. It is a summary of the work done and the results achieved. It is a general overview of the work done and the results achieved.

2. The second part of the report deals with the specific work done during the year. It is a detailed account of the work done and the results achieved. It is a detailed account of the work done and the results achieved.

3. The third part of the report deals with the financial situation of the country. It is a summary of the financial situation and the progress of the work during the year. It is a summary of the financial situation and the progress of the work during the year.

4. The fourth part of the report deals with the social situation of the country. It is a summary of the social situation and the progress of the work during the year. It is a summary of the social situation and the progress of the work during the year.

5. The fifth part of the report deals with the economic situation of the country. It is a summary of the economic situation and the progress of the work during the year. It is a summary of the economic situation and the progress of the work during the year.

6. The sixth part of the report deals with the political situation of the country. It is a summary of the political situation and the progress of the work during the year. It is a summary of the political situation and the progress of the work during the year.

7. The seventh part of the report deals with the cultural situation of the country. It is a summary of the cultural situation and the progress of the work during the year. It is a summary of the cultural situation and the progress of the work during the year.

8. The eighth part of the report deals with the educational situation of the country. It is a summary of the educational situation and the progress of the work during the year. It is a summary of the educational situation and the progress of the work during the year.

9. The ninth part of the report deals with the health situation of the country. It is a summary of the health situation and the progress of the work during the year. It is a summary of the health situation and the progress of the work during the year.

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Mr. C. O. Woody  
Florida Power & Light Company

St. Lucie Plant

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