

UNITED STATES
ATOMIC ENERGY COMMISSION
DIVISION OF COMPLIANCE
REGION I
970 BROAD STREET
NEWARK, NEW JERSEY 07102

201 645-3960

SEP 3 1971

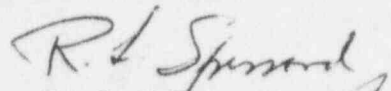
R. T. Carlson, Senior Reactor Inspector
Division of Compliance, Region I

EVALUATION MEMORANDUM
JERSEY CENTRAL POWER & LIGHT CO. (OYSTER CREEK 1)
INSPECTIONS OF JUNE 23 - 25 AND JULY 2, 1971

1. Site Organization - Jersey Central continues to improve in their staffing at the facility. Three additional new hires have joined the site operating staff since the last routine inspection in April, 1971. The operator retraining program was reviewed and although it is not completely on schedule with the proposed program, there are indications that improvement in this area should be forthcoming. Based on discussions at the site and with Mr. Finfrock, I would expect some labor problems to develop at the facility before the end of the calendar year.
2. General Office Review Board Performance - My review at Morristown and at the site indicates significant improvements since October, 1970. In my opinion, the GORB's performance presently meets the requirements of the Technical Specifications.
3. Administration of the Maintenance Organization - My subjective observations were that Riggle is still not completely on top of his job. The planned addition of an engineer for the maintenance group should result in improvements. At this point in time I don't believe that we have sufficient justification to make a major issue with JC management.
4. Core Spray System - McCluskey informed me that the second jockey pump has been installed for the other core spray loop and this has resulted in the virtual elimination of "water hammer" following core spray pump starts. McCluskey also stated in the exit interview on June 25, 1971 that the final resolution of the core spray water hammer problem would include investigations of other components and instrumentation in the system. We should followup on this. Jersey Central still owes us a followup report on their evaluation of the pipe stresses in the core spray system.
5. Containment Oxygen Sampling Line Isolation Valves - McCluskey committed to provide double automatic closing isolation valves in these lines prior to the September - October, 1971 outage. In

addition, JC still plans to provide a pressurized oxygen analyzer which will exhaust back to containment. The type of valve which was replaced at OC-1 was a GE procured item. We should review other facilities to insure they do not have similar valves.

6. Control Linkage Failure in Initial Pressure Regulator Controls - GE's metallurgical evaluation of the failed linkage that was removed from the Oyster Creek facility in October, 1970 disclosed that the member failed due to overstress. GE has replaced all questionable linkages at the Oyster Creek and the Nine Mile Point facilities. Boiling water reactors of Dresden 2 vintage and later should not be of concern, since they use a different control scheme without the linkages.
7. Partial Pluggage of Condenser Inlet Structure - I reviewed with Joe Carroll the plant response to complete and sudden blockage of the entire intake structure. My review disclosed no deficiencies and it appears that the plant can be shut down and cooled down safely.
8. Compressed Air Systems - PI 2500 was not completed in total.
9. Liquid Rad Waste System Performance - Leo's review disclosed that JC has continued to improve the performance of the liquid rad waste system. In general, the volume and the total activity released from the facility in liquid radioactive waste has diminished since November, 1970. From discussions with Don Ross it appears that Jersey Central will continue to develop refinements in their operation of the system and the plant and still further reduce plant effluents.
10. Main Steam Isolation Valve Performance - JC is still committed to perform leak testing during each extended cool down. We should review the leak tightness of the valves during the next inspection.


R. J. McDermott
Reactor Inspector 