

April 10, 1979

Mr. James P. O'Reilly, Director
Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Serial No. 383B
PSE&C/RLR:adw:mc

Docket No. 50-404
50-405

Dear Mr. O'Reilly:

On July 5, 1978, NRC Region II was notified that a possible deficiency existed in the design of the Recirculation Spray Coolers for North Anna Units 3 and 4. These coolers were not specifically analyzed for the start-up hydraulic transient and the associated effects on the structural integrity of the coolers. Also no provisions had been made to vent the cooler during start-up.

We informed you on July 31, 1978 that the manufacturer of the coolers, Joseph Oat Corporation, would be performing a complete analysis of the coolers capabilities regarding the start-up transient. This analysis has been completed.

We are pleased to report that the existing cooler design is entirely satisfactory and capable of withstanding the start-up hydraulic transient. No modifications are required to the existing design.

Provisions have been initiated to vent these coolers to a suitable location inside the containment. All vent piping will be appropriately sized and supported.

This report is considered a supplemental report on this subject. We anticipate no further correspondence on this subject.

Very truly yours,

Sam C. Brown, Jr.

Sam C. Brown, Jr.
Senior Vice President - Power Station
Engineering and Construction

cc: Mr. John G. Davis, Acting Director
Office of Inspection & Enforcement

✓ Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation

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