Omaha Public Power District
1623 Harney Omaha, Nebraska 68102
402/536-4000

May 20, 1983
LIC-83-106

Mr. J. T. Collins, Administrator
U. S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011

Reference: Docket No. 50-285

Dear Mr. Collins:

Check Valve Failures in Raw Water
Cooling Systems of Diesel Generators
IE Bulletin 83-03

The subject bulletin requested Omaha Public Power District to take the following actions concerning check valves in the Fort Calhoun Station's (FCS) diesel generator cooling systems:

1. Licensees are requested to review the plant pump and valve in-service test (IST) program required by Section XI of the ASME Boiler and Pressure Vessel Code and modify it if necessary to include check valves in the flow path of cooling water for the diesel generators from the intake to the discharge. Those portions of the cooling water system which do not directly supply the diesel may be excluded from this review. For example, if the cooling water to the diesel is supplied by the normally operating service water system, the loop of piping to the diesel from the service water piping and back must be considered, but not the complete service water system. For those cooling water systems which come into operation only upon demand for diesel cooling, all portions of the system which are required to change state must be reviewed.

2. For the valves described in (1) above, licensees are requested to examine the IST program and modify it if necessary to include verification procedures that confirm the integrity of the valve internals. This may be accomplished by using both a forward flow and a back flow test or by valve disassembly and inspection. Other equally effective means of assuring integrity of the valves may be used. A reasonable schedule for the test of these valves shall also be included in the IST program.

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3. Licensees are requested to perform initial valve integrity verification procedures for the valves identified in (1) above using the methods described in (2) above, to be completed by the end of the next refueling outage commencing after April 1, 1983.

4. Licensees are requested to submit a report to the NRC within 90 days of the date of this bulletin, which lists the valves identified in (1) above and describes the valve integrity verification procedure methods and schedule identified in (2) above. This report should include the history of any known previous failures of these valves at your plant.

5. Licensees are requested to submit a report to the NRC within 90 days of completion of the results of the initial valve integrity verification procedure performed in accordance with (3) above. For those valves which are found to have undergone either partial or complete disassembly of valve internals, a description of the failure mode should be included.

The cooling systems on the FCS's two emergency diesel generators are integral parts of the diesel engines and require no external support (i.e., coolant supply) during performance of their emergency functions. There are no check valves associated with these systems as can be seen on the attached Drawing No. B120F04002. The District therefore deems this issue resolved and further action unnecessary. Please consider this letter a written response to both items 4 and 5 above.

Sincerely,

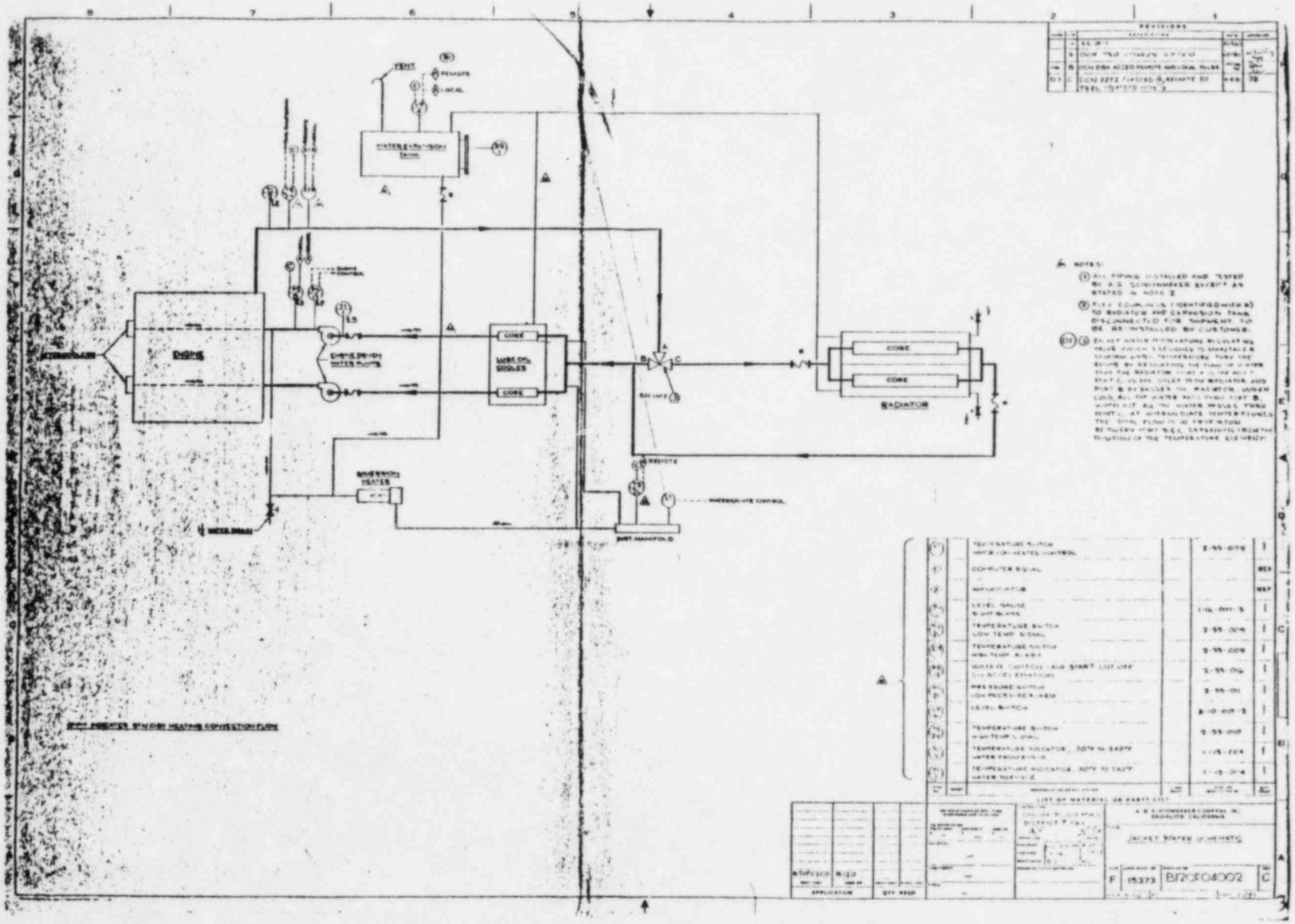
W. C. Jones
Division Manager
Production Operations

WCJ/TLP:jmm

Attachment

cc: LeBoeuf, Lamb, Leiby & MacRae
1333 New Hampshire Avenue, N.W.
Washington, D.C. 20036

Mr. E. G. Tourigny, Project Manager
Mr. L. A. Yandell, Senior Resident
Inspector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REMOTE
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NOTES:
LIST OF MATERIAL OR PARTS LIST
JACKET WATER HEATING
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