

POWER AUTHORITY OF THE STATE OF NEW YORK

JAMES A. FITZPATRICK NUCLEAR POWER PLANT



JOHN D. LEONARD, JR.  
Resident Manager

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September 13, 1979  
JAFP 79-482

Boyce H. Grier, Director  
Nuclear Regulatory Commission  
Region I  
631 Park Avenue  
King of Prussia, PA 19406

SUBJECT: NRC I&E BULLETIN 79-02  
PIPE SUPPORTS USING CONCRETE EXPANSION ANCHOR BOLTS

Dear Mr. Grier:

The program of inspection and repair of pipe supports and anchors with respect to Bulletin 79-02 continues. We are following a 100% test program rather than a sample program and we are repairing any deficiencies found on an expedited basis. This program was reviewed by your staff during Inspections 79-09 and 79-11. Currently 15% of the pipe supports have been inspected and have been restored to at least their original design condition when repairs were required. All supports in areas inaccessible during normal operations are complete. Analysis of the effects of baseplate flexibility has commenced. Initial results indicate that flexibility will not result in a significant amount of anchor problems.

Inspection and repair of supports with respect to Bulletin 79-02 is being coordinated with the efforts of the pipe stress re-analysis effort directed by the Show Cause Order dated March 13, 1979, and the field verification effort of piping encompassed in this task. Because of the magnitude of these three efforts and their overlapping concerns, the effort of qualifying anchors and baseplates has been paralleling the effort of analyzing piping supports. This type approach has assured best utilization of engineering and maintenance staffs to date and has allowed use of the most up-to-date load information and drawings in the Bulletin 79-02 effort. As these efforts draw to completion, the progress rate for inspection and associated repair of anchors will increase.

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Results to date indicate approximately 30% of the anchors inspected require rework. Based upon this fact, the inspection program will continue on a 100% basis as stated to your inspector. This complete inspection and associated repair program will require between 80 and 120 contractor personnel. These personnel are presently on site and have been engaged in this work for the preceeding several months.

The following schedule of completion of the analysis, inspection and repairs is our best estimate for the pipe supports for which Bulletin 79-02 applies:

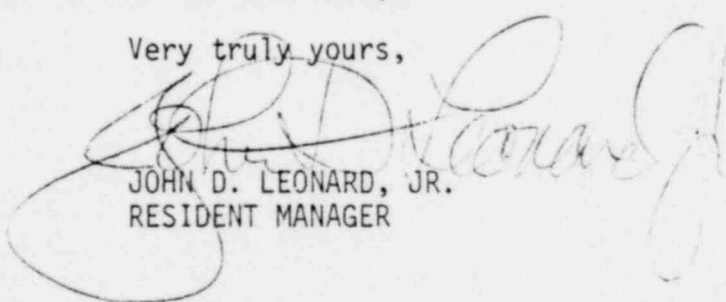
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| 1 March 1980                    | - | Completion of initial inspection of baseplates and anchors. Completion of baseplate flexibility analysis. Required repairs will be made following or during each inspection. |
| 1 April 1980                    | - | Completion of repairs not requiring plant shutdown.  |
| End of 1980<br>Refueling Outage | - | Completion of repairs requiring plant shutdown.  |

NOTE: Supports deemed inoperable as the result of inspections and analysis will be repaired in a timely fashion consistent with Revision 1, Supplement 1, of I&E Bulletin 79-02.

The program we are pursuing is believed to be a thorough and conservative review of the concrete expansion anchor problem. Because of the large scope of this program and need for continuing input from the pipe stress reanalysis program, we feel the above schedule represents a realistic attempt to resolve this problem in a careful, timely fashion.

Should you have any further questions regarding this, please contact W. Verne Childs, Assistant to the Resident Manager.

Very truly yours,

  
JOHN D. LEONARD, JR.  
RESIDENT MANAGER

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