

Commonwealth Edison Company

ONE FIRST NATIONAL PLAZA ★ CHICAGO, ILLINOIS

Address Reply to:

POST OFFICE BOX 767 ★ CHICAGO, ILLINOIS 60690

January 16, 1973

Mr. Boyce H. Grier
Regional Director
Directorate of Regulatory
Operations - Region III
U.S. Atomic Energy Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Subject: Limitorque Valve Operators with Possible
Defective Torque Switches at Dresden,
Quad-Cities and Zion Stations, AEC Dkts
50-10, 50-237, 50-249, 50-254, 50-265,
50-295 and 50-304

Dear Mr. Grier:

Your letter of December 6, 1972, included Directorate of Regulatory Operations Bulletin 72-3, requesting information on certain types of Limitorque valves which might be installed at our nuclear stations. An outline of your questions and our response for our nuclear stations is as follows:

Information requested:

1. The number of valves having model SMB-00 and SMB-000 valve operators equipped with torque switches with a weak return spring which could prevent resetting of the torque switch after an operation.
2. A list of the systems in which these particular valves are installed.
3. A description of the corrective actions.
4. A schedule of completion dates of the corrective actions.

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Mr. Boyce H. Grier

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Response:

The following comments are made in reply to the requirements of items 1, 2, 3 and 4 for Dresden, Quad-Cities and Zion Stations.

Dresden Station

Unit 1:

1. Seven valves
2. Limitorque model SMB-00 and SMB-000 valve operators are used only in seven valves on the recently installed core spray system.
3. The switches will be replaced.
4. All switches will be replaced by the end of the 1973 refueling outage which is presently scheduled to be completed by about June, 1973.

Units 2 and 3:

The Limitorque model SMB-00 and SMB-000 valve operators installed at Dresden Station are not of the vintage operator in question. Therefore, no corrective action is necessary.

Quad-Cities Station

There are more than 270 Limitorque model SMB-00 and SMB-000 valve operators at Quad-Cities. To verify the number and vintage of these valves will require additional time to gather serial numbers and data from Station records. We should have complete information by January 31, 1973.

When the information is available, the number to be replaced and the schedule for replacement will be forwarded to the AEC.

Zion Station

1. There are 182 of the subject Limitorque model SMB-00 and SMB-000 valve operators installed at Zion Station on Units 1 and 2.
2. The systems in which these valve operators are installed are:

Auxiliary Steam Supply
Chemical and Volume Control System
Containment Spray System
Blowdown System
Component Cooling System
Feed Water System
Main Steam System
Reactor Coolant System
Residual Heat Removal System
Safety Injection System
Service Water System
Turbine Building Vents and Drains

3. The corrective action to be taken at Zion Station will be to replace the torque switches on all valves equipped with model SMB-00 and SMB-000 valve operators with a modified torque switch supplied by the Limitorque Corporation.
4. All of the model SMB-00 and SMB-000 valve operators installed on Zion Unit 1 have been modified with new torque switches supplied by Limitorque Corporation.

All of the model SMB-00 and SMB-000 valve operators installed on Zion Unit 2 will have their torque switches replaced with modified torque switches by October 1973.

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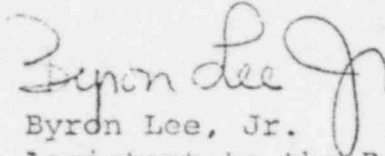
Mr. Boyce H. Grier

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We trust that our program is responsive to your request. If further information is required, please do not hesitate to call on us.

Very truly yours,

A handwritten signature in cursive script that reads "Byron Lee Jr." with a large, stylized flourish at the end.

Byron Lee, Jr.
Assistant to the President