



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

March 14, 1994

Docket No. 50-482

Mr. Neil S. Carns
President and Chief Executive Officer
Wolf Creek Nuclear Operating Corporation
Post Office Box 411
Burlington, Kansas 66839

Dear Mr. Carns:

SUBJECT: GENERIC LETTER 89-10, SUPPLEMENT 5, "INACCURACY OF MOTOR-OPERATED VALVE DIAGNOSTIC EQUIPMENT" (TAC NO. M88022)

On June 28, 1993, the NRC staff issued Supplement 5, "Inaccuracy of Motor-Operated Valve Diagnostic Equipment," to Generic Letter (GL) 89-10, "Safety-Related Motor-Operated Valve Testing and Surveillance," requesting nuclear power plant licensees and construction permit holders (1) to reexamine their MOV programs and to identify measures taken to account for uncertainties in properly setting valve operating thrust to ensure operability, and (2) to evaluate the schedule necessary to consider the new information on MOV diagnostic equipment inaccuracy and to take appropriate action in response to that information. Within 90 days of receipt of Supplement 5 to GL 89-10, licensees were required (1) to notify the NRC staff of the diagnostic equipment used to confirm the proper size, or to establish settings, for safety-related MOVs, and (2) to report whether they had taken actions or planned to take actions (including schedule) to address the new information on the accuracy of MOV diagnostic equipment.

The staff has reviewed the responses, and has found that, for the most part, licensees and permit holders have been actively addressing the uncertainties regarding the accuracy of MOV diagnostic equipment. The increased inaccuracy of MOV diagnostic equipment can raise questions regarding (1) the adequacy of torque switch settings to provide sufficient thrust while not exceeding thrust or torque structural limits and (2) the capability of actuator motors at current settings. In their responses, licensees and permit holders indicated that many MOVs had the potential for underthrusting or overthrusting as a result of the higher than expected inaccuracy of MOV diagnostic equipment. Consequently, some licensees reported that MOVs have been retested, adjusted, or modified to resolve the concerns regarding the accuracy of MOV diagnostic equipment.

You responded to Supplement 5 by letter dated September 29, 1993, which provided the following information.

- (1) WCNOG uses Liberty Technologies' VOTES equipment for MOV diagnostic testing;

150051

9403170257 940314
PDR ADDCK 05000482
P PDR

NRC FILE CENTER COPY

DF01 10

- (2) WCNOC reviewed the Liberty Technologies' Part 21 notice (dated October 2, 1992) in January 1993;
- (3) WCNOC found no operability concerns;
- (3) WCNOC replaced overthrust/overtorque actuators and had readjusted torque switch settings for some MOVs;
- (4) WCNOC currently uses the VOTES 2.3 software; and
- (5) WCNOC provides training for its personnel on these uncertainty issues.

During a future inspection, the NRC staff will discuss WCNOC's resolution of the MOV diagnostic equipment accuracy issue. Particularly, the staff will discuss your operability evaluations of MOVs found to need actuator replacement or torque switch adjustment.

This completes all efforts on TAC No. M88022. If you have any questions regarding this issue, please call me at (301) 504-1314.

Sincerely,

Original Signed By

William D. Reckley, Project Manager
 Project Directorate IV-2
 Division of Reactor Projects III/IV/V
 Office of Nuclear Reactor Regulation

cc: See next page

DISTRIBUTION:

- Docket
- NRC PDR
- Local PDR
- PDIV-2 Reading
- JRoe
- EAdensam
- EPeyton
- WReckley
- OGC
- ACRS (10)
- LYandell, Region IV
- AHansen
- TScarbrough

| | | | | | |
|--------|---------|----------|--------|-----|-----|
| OFFICE | PDIV-2 | PDIV-2 | PDIV-2 | | |
| NAME | EPeyton | WReckley | SBlack | | |
| DATE | 3/14/94 | 3/9/94 | 3/9/94 | / / | / / |

Mr. Neil S. Carns

- 3 -

March 14, 1994

cc:

Jay Silberg, Esq.
Shaw, Pittman, Potts & Trowbridge
2300 N Street, NW
Washington, D.C. 20037

Mr. Otto Maynard
Vice President, Plant Operations
Wolf Creek Nuclear Operating Corporation
P. O. Box 411
Burlington, Kansas 66839

Mr. C. John Renken
Policy and Federal Department
Missouri Public Service Commission
P. O. Box 360
Jefferson City, Missouri 65102

Regional Administrator, Region IV
U.S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011

Regional Administrator, Region III
U.S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Mr. Kevin J. Moles
Manager Regulatory Services
Wolf Creek Nuclear Operating Corporation
P. O. Box 411
Burlington, Kansas 66839

Senior Resident Inspector
U.S. Nuclear Regulatory Commission
P. O. Box 311
Burlington, Kansas 66839

U.S. Nuclear Regulatory Commission
Resident Inspectors Office
8201 NRC Road
Steedman, Missouri 65077-1302

Chief Engineer
Utilities Division
Kansas Corporation Commission
1500 SW Arrowhead Road
Topeka, Kansas 66604-4027

Office of the Governor
State of Kansas
Topeka, Kansas 66612

Attorney General
1st Floor - The Statehouse
Topeka, Kansas 66612

County Clerk
Coffey County Courthouse
Burlington, Kansas 66839

Mr. Gerald Allen
Public Health Physicist
Bureau of Air & Radiation
Division of Environment
Kansas Department of Health
and Environment
Forbes Field Building 283
Topeka, Kansas 66620