

Mr. J. P. O'Hanlon  
Senior Vice President - Nuclear  
Virginia Electric and Power Company  
Innsbrook Technical Center  
5000 Dominion Blvd.  
Glen Allen, VA. 23060

**SUBJECT: SURRY UNITS 1 AND 2 AND NORTH ANNA UNITS 1 AND 2 - REQUEST FOR ADDITIONAL INFORMATION RELATED TO GENERIC LETTER 96-05 (MOTOR-OPERATED VALVES) (TAC NOS. M97107, M97108, M97073, AND M97074)**

Dear Mr. O'Hanlon:

The purpose of this letter is to request additional information so that we may continue to review your September 17, 1999, response to Generic Letter 96-05, "Periodic Verification of Design-Basis Capability of Safety-Related Motor-Operated Valves."

Specific questions are provided in the Enclosure. The questions were discussed with Dave Sommers of your licensing staff on December 28, 1999, and he agreed to provide a response to these questions by March 1, 2000.

Sincerely,

Original signed by:

Gordon E. Edison, Senior Project Manager, Section 1  
Project Directorate II  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket Nos. 50-280, 50-281, 50-338,  
and 50-339

Enclosure: As stated

cc w/encl: See next page

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**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

WASHINGTON, D.C. 20555-0001

January 6, 2000

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A handwritten signature in cursive script that reads "Gordon E. Edison".

Gordon E. Edison, Senior Project Manager, Section 1  
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**Units 1 and 2**

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**Site Vice President**  
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**State Health Commissioner**  
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NORTH ANNA POWER STATION, UNITS 1 AND 2.  
SURRY POWER STATION, UNITS 1 AND 2

1. The Joint Owners Group (JOG) program focuses on the potential age-related increase in the thrust or torque required to operate valves under their design-basis conditions. In the NRC Safety Evaluation (SE) of the JOG program, dated October 30, 1997, the NRC specified that licensees are responsible for addressing the thrust or torque delivered by the motor operated valve (MOV) motor actuator and its potential degradation. Describe the plan at Surry and North Anna for ensuring adequate ac and dc MOV motor actuator output capability, including consideration of guidance in Limitorque Technical Update 98-01 and its Supplement 1. Clarify if there are any dc-powered MOVs in the Surry or North Anna Generic Letter 96-05 programs. Briefly discuss the MOV parameters that are trended in order to detect degradation of MOV performance.
2. Your letter dated September 17, 1999, states that the maximum interval between static diagnostic tests, including the grace period, will not exceed 10 years. In the NRC SE dated October 30, 1997, regarding the Westinghouse Owners Group (WOG) Topical Report MPR-1807 describing the JOG program, the NRC staff stated that MOVs tested at frequencies beyond 5 years will need to be grouped with other MOVs that will be tested at frequencies less than 5 years in order to validate assumptions for the longer test intervals. The NRC staff stated that this review must include valve thrust (or torque) requirements and actuator output capability. Please describe how your MOV static diagnostic testing program will satisfy this condition of the NRC Safety Evaluation.
3. In a letter dated September 17, 1999, VEPCO stated that it plans to implement (1) the three elements of the JOG program as described in Topical Report MPR-1807 (Revision 2); and (2) the MOV risk-ranking methodology described in WOG Engineering Report V-EC-1658 (Revision 2). Discuss the JOG dynamic test program and the JOG interim periodic test program implementation dates, and when MOV risk ranking will be complete.

Enclosure