

December 14, 2004

Mr. L. William Pearce
Vice President
FirstEnergy Nuclear Operating Company
Beaver Valley Power Station
Post Office Box 4
Shippingport, PA 15077

SUBJECT: BEAVER VALLEY POWER STATION, UNIT NOS. 1 AND 2 (BVPS-1 AND 2) -
REQUEST FOR ADDITIONAL INFORMATION (RAI) - REACTOR TRIP
SYSTEM (RTS) AND ENGINEERED SAFEGUARDS FEATURES ACTUATION
SYSTEM (ESFAS) INSTRUMENTATION (TAC NOS. MC3404 AND MC3405)

Dear Mr. Pearce:

The Nuclear Regulatory Commission (NRC) staff has reviewed the information provided in your June 2, 2004, license amendment application to increase the surveillance test interval from monthly to quarterly for the subject RTS and ESFAS instrumentation channel functional tests. The NRC staff has determined that the additional information contained in the enclosure to this letter is needed to complete its review. As discussed with your staff, we request your response within 45 days of receipt of this letter, in order for the NRC staff to complete its scheduled review of your submittal.

Sincerely,

/RA/

Timothy G. Colburn, Senior Project Manager, Section 1
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Docket Nos. 50-334 and 50-412

Enclosure: RAI

cc w/encl: See next page

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DATE	12/09/04	12/09/04	12/09/04	12/14/04

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REQUEST FOR ADDITIONAL INFORMATION
RELATED TO FIRSTENERGY NUCLEAR OPERATING COMPANY (FENOC)
BEAVER VALLEY POWER STATION, UNIT NOS. 1 AND 2 (BVPS-1 AND 2)
REACTOR TRIP SYSTEM (RTS) AND ENGINEERED SAFEGUARDS
FEATURES ACTUATION SYSTEM (ESFAS) INSTRUMENTATION
DOCKET NOS. 50-334 AND 50-412

By letter dated June 2, 2004, FENOC (the licensee) proposed changes to BVPS-1 and 2 Technical Specifications (TSs) to change the surveillance interval for RTS and ESFAS instrumentation from monthly to quarterly for channel functional tests. The staff has determined that it will need the additional information identified below to complete its review.

(1) The procedure for conducting an RTS surveillance should require an evaluation of any RTS channel test failure to determine if that failure could result in a common-cause failure. The Nuclear Regulatory Commission (NRC) staff would need to verify this by reviewing the licensee's procedure or have the licensee demonstrate how the licensee's procedure determines if the failure could be a common-cause failure.

(2) The licensee evaluated the setpoint drift for these relays using data from past calibrations and surveillances in a year-2000 study. The NRC staff requests that the licensee provide its year-2000 study and supporting analysis and justification that concludes that the extended surveillance is adequately accounted for in the instrument setpoint drift calculations for undervoltage and underfrequency RTS relays and undervoltage and degraded voltage ESFAS relays. If the proposed extended surveillance is based on any new setpoint calculations not previously approved, the NRC staff requests the licensee provide the methodology and calculations for review or otherwise confirm that no new setpoint methodologies or calculations form the basis for the requested surveillance extension.

(3) Regarding applicability of the generic analysis to BVPS-1 and 2, the licensee stated that the remaining changes have been analyzed by Westinghouse using the methodology employed by WCAP-10271. The NRC staff requests the licensee discuss in greater detail the applicability of WCAP-10271 to its facilities.

ENCLOSURE

Beaver Valley Power Station, Unit Nos. 1 and 2

cc:

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