



**Commonwealth Edison**  
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U.S. ATOMIC ENERGY COM. 1.  
 MAIL & RECORDS SECTION

March 2, 1973

Mr. Angelo Giambusso  
 Deputy Director of Reactor Projects  
 Directorate of Licensing  
 U. S. Atomic Energy Commission  
 Washington, D. C. 20545

Reference: Quad-Cities Nuclear Power Station  
 Docket Numbers 50-254 and 50-265  
 License DPR 29 & 30, Appendix A  
 Sections 1.0.A.2 and 3.1

Dear Mr. Giambusso:

The purpose of this letter is to inform you of the details concerning the setpoint drift of the pressure switches which monitor the condenser vacuum and initiate a reactor scram. During routine surveillance calibration of the Unit 1 switches on February 22, 1973 and the Unit 2 switches on February 21, 1973, six switches were found to be set at greater than 23" Hg contrary to Technical Specification 3.1. This abnormal occurrence was reported to Region III Compliance by telephone on February 23, 1973.

The switches involved are all Barksdale Model DTT-H18SS with a specified accuracy of  $\pm 3$ " Hg. The setpoints were found as follows:

UNIT 1

PS 1-503B 22.88"  
 PS 1-503C 22.82"

UNIT 2

PS 2-503A 22.83  
 PS 2-503B 22.85  
 PS 2-503C 22.60  
 PS 2-503D 22.60

The safety function of the condenser low vacuum scram is to anticipate the stop valve closure scram. The stop valve closure occurs at a condenser vacuum of 20" Hg and also includes an anticipatory scram from valve limit switches

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Mr. Angelo Giambusso

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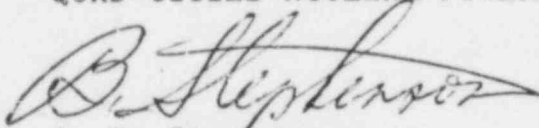
March 2, 1973

which was operable at all times. With the existing setpoints and logic a scram would have occurred on Unit 1 at  $> 22$ " Hg vacuum and on Unit 2 at 22.8" Hg. The safety significance of this instrument drift is therefore considered to be minor.

Setpoint drift problems have been experienced before with these switches. As a result of the review of instrument setpoints described in my letter dated December 1, 1972 the calibration setpoint of the low vacuum scram was changed to 23.3" Hg. Since this change did not provide an adequate margin to prevent a drift beyond the LCO, the setpoint has been increased to 23.6" Hg.

Very truly yours,

COMMONWEALTH EDISON COMPANY  
QUAD-CITIES NUCLEAR POWER STATION



B. B. Stephenson  
Superintendent

BBS/zm