

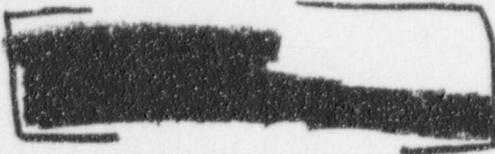


UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

November 25, 1997

RI-97-A-0049



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Subject: CONCERNS YOU RAISED TO THE NRC REGARDING PENNSYLVANIA  
POWER AND LIGHT COMPANY'S SUSQUEHANNA FACILITIES

This letter updates my September 23, 1997, letter to you regarding your last concern on the validity of computer data used at the Susquehanna Steam Electric Station.

You were concerned about the quality of computer data used to determine the adequacy of nuclear plant operator performance and specifically, the significance of a February 1997 occurrence where an emergency diesel generator alarm test (OC577E) apparently did not result in a computer data entry. We have completed our review of this concern, and determined that there was a computer entry for the specific test cited, and further, that none of the known computer data discrepancies has detracted from the validity of the data used to evaluate NPO performance.

Following a February 13, 1997, alarm panel test failure, a condition report and work authorizations were processed to determine why the control room did not get an alarm reflash. At the time that the alarm panel test was performed, a separate plant testing activity was being performed. The presence of alarms associated with the second test caused the control room alarms that would have indicated OC577E alarm panel test to be in the alarmed condition on February 13, 1997, prior to the performance of the alarm panel test. As a result, the alarm panel test should have caused a reflash in the control room. The reflash condition did not occur because of a failed reflash component. Computer points EGZ12 & 14 are normally actuated by the OC577E alarm test. The functioning of the Unit 1 and 2 EGZ14 computer points was also affected by the interaction between the two tests and the reflash component failure. The Unit 2 computer point EGZ12 was inoperable on February 13, but the Unit 1 computer point EGZ12 was operable throughout the February 13, 1997 test and accurately recorded the performance of the test. There was no evidence to indicate that this condition was other than an random low probability occurrence. The licensee's corrective actions and root cause determination associated with the condition report were adequate.

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

9902080028 990129  
PDR FOIA  
SORENSEN99-36 PDR

9902080028

Stewart

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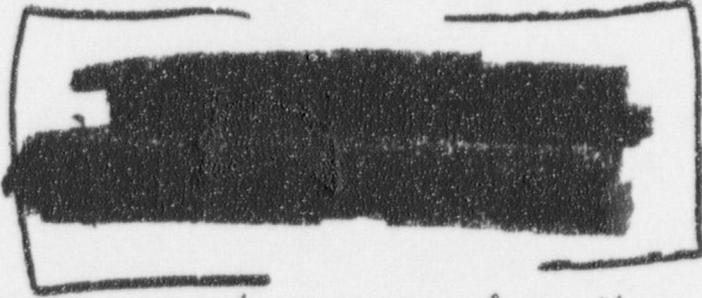
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A sample of test and maintenance data was reviewed to determine if there were similar or repeated failures of control room reflash relays. No evidence of repeated similar failures could be identified. In addition, these findings and two other potential discrepancies involving radiological waste control room alarms and ESS transformer alarms were assessed to determine whether these issues collectively discredited the OC577E alarm test data. No common initiating or contributing conditions in either of the other reviews were identified that corresponded to the root cause of the failed February 13, 1997 test; or that could affect the OC577E data. Therefore, we have concluded that none of the identified concerns affected the validity of the OC577E alarm computer data.

Thank you for informing us of your concerns. We feel that our actions in this matter have been responsive to those concerns. If you have any further questions or comments on this matter, please call me via the NRC Safety Hotline at 1-800-695-7403.

Sincerely,

David J. Vito  
Senior Allegation Coordinator

TELEPHONE CONVERSATION RECORD		Date: October 3, 1997	Time: 4:50 p.m.
Licensee Name:			
License No.:		Docket No.:	
File No.:		Licensee:	
Person Calling: Sharon Johnson		Telephone No.:	
Person Called: [REDACTED]		7C	
Subject: Telephone Calls to Nelson and Swetland on 10/3/97			
Summary: <b>MISSED ALARM TESTS</b>			
Individual made calls to Nelson and Swetland based on receipt of NRC letter (for RI-97-A-0214) which does not address his issues raised under RI-97-A-0145.			
Johnson called the individual this date to clarify his concerns. Johnson left message on answering machine for individual to call 1-800-695-7403.			
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<p>other missed alarm tests i.e. 97-49 97-145</p>			
Action Required/Taken:			
Place in file. Await individual to call back.			
Signature: Sharon Johnson		Date: October 3, 1997	

Dennett

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