



Pennsylvania Power & Light Company

Two North Ninth Street • Allentown, PA 18101 • 215 / 770-5151

Norman W. Curtis  
Vice President-Engineering & Construction-Nuclear  
215 / 770-5381

54-387  
54-378

August 27, 1981

Mr. Boyce H. Grier  
Director, Region I  
U. S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, Pennsylvania 19406

SUSQUEHANNA STEAM ELECTRIC STATION  
FINAL REPORT OF A CONDITION INVOLVING  
PACIFIC SWING CHECK VALVES  
ERs 100450/100508 FILES 840-4/  
PLA-916 900-10



Reference: PLA-654 (3/11/81)

Dear Mr. Grier:

The referenced letter described a condition involving the failure of Mark Controls Corporation/Pacific swing check valves. The deficiency report was based upon the discovery of excessive wear at the hinge arm/disc stud interface of some non-'Q' check valves. The valve discs were noted to jam behind the hinge arms thus preventing proper closure. Additionally, the wear was noted as a cause of the disc failing to seat tightly, thereby allowing a leak path by the valve seat.

The condition was reported based on similarities of castings and material between the 'Q' and non-'Q' purchase orders for check valves purchased under Bechtel P.O. P-12BC and P-22B respectively in conjunction with the reported discovery of a defective 'Q' check valve on site. The report of a defective 'Q' check valve on site proved to be erroneous. Inspections of selected 'Q' valves of similar size, class and having similar installation configurations as the defective non 'Q' valves revealed no evidence of a similar wear condition as was identified on the non-'Q' check valves.

Based on the activities described above which support a conclusion that the identified deficiencies do not exist in 'Q' valves, PP&L has concluded that a reportable condition is no longer considered to exist. The wear problem appears isolated to non-'Q' check valves. The imposition of a formal QA/QC program during the manufacturing, inspection and testing process is identified as unique to the 'Q' valves and is considered as basis for the deficiency being limited to non-'Q' valves.

An inspection of 'Q'-listed check valves after fuel load has been planned. This inspection will insure that if future wear problems do develop on the 'Q' check valves, they will be detected and promptly corrected.

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Mr. Boyce H. Grier

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We trust Commission will find our conclusion acceptable.

Very truly yours,



N. W. Curtis

Vice President-Engineering & Construction-Nuclear

FLW:jmk

cc: Mr. Victor Stello (15)  
Director-Office of Inspection & Enforcement  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Mr. G. McDonald, Director (1)  
Office of Management Information & Program Control  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Mr. Gary Rhoads  
U. S. Nuclear Regulatory Commission  
P.O. Box 52  
Shickshinny, PA 18655