

7732

TEBA

# PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET

PHILADELPHIA, PA. 19101

V. S. BOYER  
VICE-PRESIDENT

(215) 841-4500

MAY 25 1979

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

SUBJECT: NRC Region I Letter dated March 30, 1979  
RE: IE Bulletin No. 79-04  
Incorrect Weights for Swing Check Valves  
Manufactured by Velan Engineering Corporation  
Limerick Generating Station - Units 1 and 2  
Docket Nos. 50-352 and 50-353

FILE: GOVT 1-1 (IE Bulletin 79-04)

Dear Mr. Grier:

In response to your letter of March 30, 1979, IE Bulletin 79-04, Philadelphia Electric Company submits the following information relative to swing check valves manufactured by the Velan Engineering Corporation. Our responses are numbered to correspond to the numbering of items in the Bulletin.

1. The following Seismic Category I piping systems have 3, 4 or 6 inch diameter Velan swing check valves installed or scheduled to be installed: Reactor Core Isolation Coolant, Reactor Water Cleanup, Core Spray, Residual Heat Removal, Reactor Building Cooling Water, High Pressure Coolant Injection, Emergency Service Water and Residual Heat Removal Service Water.
2. In order to verify that correct weights were used for the Velan swing check valves in Limerick piping analyses, a review of the input to the analyses was performed. It was found that all check valve weights used were in accordance with Velan design drawings. Velan confirmed that the Limerick valve drawings had correct valve weights indicated. In order to assure that the weights supplied by the Velan drawings were accurate, actual valves were weighed at the Limerick Jobsite. It was found that the weight of the valves was always slightly less than the weight that was used in the piping analyses. It was concluded that the analyses were conservative with the use of the higher valve weight.
3. The need for rerunning all the piping analyses with valve weights as determined by jobsite measurements was considered. It was concluded that if the analyses were rerun the results would show that changes in piping stresses would be minimal and the stresses would stay within the allowable range. Therefore, the piping analyses made using the valve weights from the Velan design drawings are considered acceptable.

360 257

2

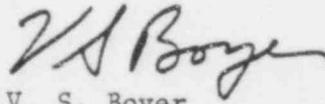
7907130 516

Q

4. No modifications to the piping systems identified in Item 1 or their supports are required because of changes in valve weights as identified in Item 2.
5. Calculations to determine stresses were judged not to be necessary since the design weights used are larger than the actual valve weights and that only minimal changes from the initial results would be anticipated.

Based on the above, we plan no further action on this matter.

Sincerely,



V. S. Boyer

DMG/dh17/2

Copy to: United States Regulatory Commission  
Office of Inspection and Enforcement  
Division of Reactor Construction Inspection  
Washington, DC 20555

360 238