

July 21, 1970

Pacific Gas & Electric Company  
245 Market Street  
San Francisco, California 94106

Attention: Mr. Richard M. Peterson  
Senior Vice-President

Gentlemen:

This letter relates to the discussion Messrs. A. D. Johnson and J. L. Crews of this office held with Mr. W. R. Hersey and other members of your staff at the conclusion of the inspection conducted on June 23 through June 26, 1970, regarding the construction activities authorized by AEC Construction Permit No. CPPR-39.

As noted during the discussion, an apparent deficiency was identified involving an item not in conformance with statements in the Preliminary Safety Analysis Report as identified below, or which may otherwise raise questions concerning the adequacy of construction of the Diablo Canyon, Unit 1, facility. This item is as follows:

The Preliminary Safety Analysis Report, Section 5.2.1.2(a), states, regarding radiographic inspection of the containment building liner, that "...Liner plate seam welds in the cylindrical walls and dome will be spot radiographed...". The project quality control program relating to the radiographic inspection of the liner plate seam welds requires that the radiographic technique be in accordance with the requirements of the ASME Boiler and Pressure Vessel Code, Section VIII, Paragraph UW-51.

Our inspector observed in the case of two horizontal liner plate seam welds, designated 2H and 3H, that the finished surface of the reinforcement in several locations which had been radiographed was not in accordance with the requirements of Paragraph UW-51. Specifically, the thickness of the reinforcement was measured to be as much as 1/8-inch on these weld joints. Paragraph UW-51(a) limits the thickness of the reinforcement to 1/16-inch on weld joints with the plate thickness (3/8-inch) involved in weld seams 2H and 3H.

8805200140 880510  
PDR FOIA  
MCMILLAN88-156 PDR

A-16           

OFFICE ▶	CO:V	CO:V			
SURNAME ▶	Spencer:nh	Smith			
DATE ▶	7/ /70	7/ /70			

R. M. Peterson

2

July 21, 1970

Please provide us within 30 days, with your comments concerning this item and any steps which have been or will be taken to correct it and to minimize recurrences of a similar nature, including any appropriate changes that have been or will be made to your quality assurance program.

Should you have any questions concerning the matters discussed in this letter, please feel free to communicate directly with this office.

Very truly yours,

Original Signed by  
R. W. Smith

R. W. Smith  
Director

cc: D. V. Kelly,  
Chief Mechanical Engineer

Pacific Gas & Electric Company  
245 Market Street  
San Francisco, California 94106

Attention: Mr. Richard M. Peterson  
Senior Vice-President

Gentlemen:

This letter relates to the discussion Messrs. A. D. Johnson and J. L. Crews of this office held with Mr. W. R. Hersey and other members of your staff at the conclusion of the inspection conducted on June 23 through June 26, 1970, regarding the construction activities authorized by AEC Construction Permit No. CPPR-39.

As noted during the discussion, an apparent deficiency was identified involving an item not in conformance with statements in the Preliminary Safety Analysis Report as identified below, or which may otherwise raise questions concerning the adequacy of construction of the Diablo Canyon, Unit 1, facility. This item is as follows:

The Preliminary Safety Analysis Report, Section 5.2.1.2 a), states, regarding radiographic inspection of the containment building<sup>liner</sup> that "...Liner plate seam welds in the cylindrical walls and dome will be spot radiographed...". The project quality control program relating to the radiographic inspection of the liner plate seam welds requires that the radiographic technique be in accordance with the requirements

A-18

of the ASME Boiler and Pressure Vessel Code, Section VIII, Paragraph UW-51.

~~Our inspector~~ observed in the case of two horizontal liner plate seam welds, designated 2H and 3H, that the finished surface of the reinforcement in several locations which had been radiographed was not in accordance with the requirements of Paragraph UW-51. Specifically, the thickness of the reinforcement was measured to be as much as  $\frac{1}{8}$ -inch on these weld joints. Paragraph UW-51(a) limits the thickness of the reinforcement to  $\frac{1}{16}$ -inch on weld joints with the plate thickness ( $\frac{3}{8}$ -inch) involved in weld seams 2H and 3H.

Please provide us within 30 days, with your comments concerning this item and any steps which have been or will be taken to correct it and to minimize recurrences of a similar nature, including any appropriate changes that have been or will be made to your quality assurance program.

Should you have any questions concerning the matters discussed in this letter, please feel free to communicate directly with this office.

Very truly yours,

R. W. Smith  
Director

cc: D.V. Kelly, Chief Mechanical Engineer