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 AUTH. NAME: CURTIS, N.W. AUTHOR AFFILIATION: Pennsylvania Power & Light Co.
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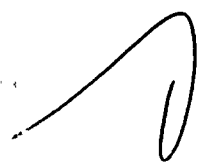
SUBJECT: Update to 800201 deficiency report re unauthorized welding of attachment to reactor pressure vessel. Caused by human error & unclear construction drawings. Craftsmen & foremen instructed that welding & burning on pressure vessel is prohibited.

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JUN 23 1980



THE UNIVERSITY OF CHICAGO
DIVISION OF THE PHYSICAL SCIENCES
DEPARTMENT OF CHEMISTRY

REPORT OF THE
COMMISSION ON THE ORGANIZATION
OF THE DEPARTMENT OF CHEMISTRY
FOR THE FISCAL YEAR 1964-1965

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TWO NORTH NINTH STREET, ALLENTOWN, PA. 18101 PHONE: (215) 821-5151

NORMAN W. CURTIS
Vice President-Engineering & Construction
821-5381

June 13, 1980

Mr. Boyce H. Grier
Director, Region I
U. S. Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, Pennsylvania 17406

SUSQUEHANNA STEAM ELECTRIC STATION
UPDATE REPORT OF A DEFICIENCY RESULTING
FROM THE UNAUTHORIZED WELDING OF AN ATTACHMENT
TO THE UNIT #1 RPV
DOCKET NO: 50-387
LICENSE NO: CPPR-101
ER 100450 FILE 840-4
PLA-496

Dear Mr. Grier:

This letter serves to update our letter No. PLA-446 of February 1, 1980 in which a deficiency regarding the unauthorized welding of an attachment to the Unit #1 RPV was reported to the Commission under the provisions of 10CFR50.55(e).

Subsequent to that letter, PP&L conducted a formal investigation to determine the cause of the deviation, corrective action required, and the ultimate effect on schedule. The results of this investigation are as follows:

CAUSE OF DEVIATION

The cause of this deviation was determined to be human error compounded by the fact that the construction drawings were unclear. When the craftsmen checked with the cognizant Field Hanger Engineer, the Field Hanger Engineer also misinterpreted the drawing. Additionally, the precautionary stencil stating "Reactor Vessel - Do Not Weld or Burn" had deteriorated to the point of being illegible. Our conclusion is that the cumulative effect of these individual events led to the deficiency.

CORRECTIVE ACTION

- (1) The craftsmen and foreman in the area were specifically instructed that welding and burning on the pressure vessel was prohibited. The "Do Not Weld or Burn" stencils were reapplied to all original locations on the vessel.
- (2) The Field Hanger Engineer in charge of the area was transferred to the day shift, to receive additional instruction.
- (3) ~~EDDR-KRI-193 was issued by GE NEBG to involve General Electric Co. in the evaluation of the deviation and subsequent repair. FCI-M-180 was issued~~

PENNSYLVANIA POWER & LIGHT COMPANY

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by Bechtel as a procedure to accomplish the removal of the unauthorized attachment and rework of the vessel in accordance with the requirements of ASME B&PV Code Section XI.

SCHEDULE CONSIDERATIONS

- (1) Complete administrative controls and procedure review cycles by 6/30/80.
- (2) Initiate physical work to remove the unauthorized hanger pad by mechanical removal of the weld material by 7/1/80.
- (3) Complete final grinding and contouring of vessel by 8/12/80.
- (4) Complete final NDE of excavated area by 8/18/80.
- (5) General Electric Co. to initiate final review of reworked area by 8/20/80.

You will be advised, accordingly, of the results of the corrective action upon completion of the repair.

Should you have any questions regarding this matter, please advise.

Very truly yours,



N. W. Curtis
Vice President-Engineering & Construction-Nuclear

ARS:mcb

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

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

Mr. Robert M. Gallo
U. S. Nuclear Regulatory Commission
P. O. Box 52
Shickshinny, Pennsylvania 18655