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April 19, 1984
SBU 87243
File: 9.1, LCC
No Response Required

Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Dear Sir:

Subject: 10CFR21 - Final Report of a Defect Related to
Public Service Company of New Hampshire
Seabrook Station - Units 1 and 2

This is to inform you of the corrective action taken for a defect related to the adequacy of the closure welds for the Fuel Transfer Tube for the Seabrook Station. While this defect has been reported by the Public Service Company of New Hampshire in accordance with 10CFR50.55(e), we are providing this 10CFR21 Report to assure that the commission has been adequately informed.

Details of our report are attached.

Very truly yours,

H. G. Kreider
Vice President - Power

HGK/DMS/mc
Attachment

copy: Regional Director
USNRC - Region 1

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FINAL REPORT

April 19, 1984

NAME AND ADDRESS OF THE INDIVIDUAL OR INDIVIDUALS INFORMING THE COMMISSION:

H. G. Kraider, Vice President - Power
United Engineers & Constructors Inc.
30 South 17th Street
Post Office Box 8223
Philadelphia, PA 19101

IDENTIFICATION OF THE FACILITY, THE ACTIVITY, OR THE BASIC COMPONENT SUPPLIED FOR SUCH FACILITY OR SUCH ACTIVITY WITHIN THE UNITED STATES WHICH FAILS TO COMPLY OR CONTAINS A DEFECT:

Public Service Company of New Hampshire, Seabrook Station. Design of the welds on the expansion joints for the Fuel Transfer Tube.

IDENTIFICATION OF THE FIRM CONSTRUCTING THE FACILITY OR SUPPLYING THE BASIC COMPONENT WHICH FAILS TO COMPLY OR CONTAINS A DEFECT:

United Engineers & Constructors Inc.

NATURE OF THE DEFECT OR FAILURE TO COMPLY AND THE SAFETY HAZARD WHICH IS CREATED OR COULD BE CREATED BY SUCH DEFECT OR FAILURE TO COMPLY:

The seam closure welds on expansion joints for the Fuel Transfer Tube have been found to be stressed beyond code limits under design conditions. This was discovered during investigation of a similar condition for the Containment Spray System Encapsulation Vessels.

THE DATE ON WHICH THE INFORMATION OF SUCH DEFECT OR FAILURE TO COMPLY WAS OBTAINED:

April 19, 1984

IN CASE OF A BASIC COMPONENT WHICH CONTAINS A DEFECT OR FAILS TO COMPLY, THE NUMBER AND LOCATION OF ALL SUCH COMPONENTS IN USE AT, SUPPLIED FOR, OR BEING SUPPLIED FOR ONE OR MORE FACILITIES OR ACTIVITIES SUBJECT TO THE REGULATIONS IN THIS PART:

The specific ASME III Code requirements narrowed down the investigation to the Washington Public Power Supply System (WNP-1) plant. A review of similar designs in WNP-1 revealed that no reportable deficiency exists in that plant. This defect applies only to the Seabrook Station, Units 1 and 2.

THE CORRECTIVE ACTION WHICH HAS BEEN, IS BEING, OR WILL BE TAKEN: THE NAME OF THE INDIVIDUAL OR ORGANIZATION RESPONSIBLE FOR THE ACTION: AND THE LENGTH OF TIME THAT HAS BEEN OR WILL BE TAKEN TO COMPLETE THE ACTION:

Modifications will be made to add gusset plates to the end plate of the expansion joints in order to withstand the loading. United Engineers & Constructors Inc. will be responsible for these modifications. The design of the modifications will be completed by April 30, 1984.

ANY ADVICE RELATED TO THE DEFECT OR FAILURE TO COMPLY ABOUT THE FACILITY, ACTIVITY OR BASIC COMPONENT THAT HAS BEEN, IS BEING, OR WILL BE GIVEN TO PURCHASERS OR LICENSEES:

Public Service Company of New Hampshire has reported the defect under the provisions of 10CFR50.55(e).