

October 18, 1982
SBN - 343
T.F. Q2.2.2

United States Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, PA 19406

Attention: Mr. Richard W. Starostecki, Director
Division of Resident and Project Inspection

References: (a) Construction Permits CPPR-135 and CPPR-136, Docket
Nos. 50-443 and 50-444
(b) Telecon of August 5, 1982, H. E. Wingate (YAEC) to
Eugene Kelly (NRC Region I)
(c) PSNH letter, dated September 2, 1982, "Interim
10CFR50.55(e) Report; Sheared Pinion Keys", J. DeVincentis
to R. W. Starostecki

Subject: Interim 10CFR50.55(e) Report; Sheared Pinion Keys

Dear Sir:

On September 2, 1982, we filed an interim 10CFR50.55(e) report regarding sheared pinion keys in Limitorque Model SB-0-25 motor operators [Reference (c)]. Since the time of our initial telephone report of a potential 10CFR50.55(e) deficiency [Reference (b)], Westinghouse and Limitorque have been investigating the causes of the sheared pinion keys. The investigations have yielded the following information:

Metallurgical evaluations of the sheared pinion keys have indicated that the keys were made of a resulfurized carbon steel (1100 series) in lieu of the required 1018 carbon steel material. Additionally, Limitorque has conducted extensive stall tests of the SB-0-25 motor operator with the 1018 pinion key material and verified the adequacy of this material for its intended use. Based on the currently available information, it appears that the previously reported sheared pinion keys were a result of the use of inappropriate key material.

Westinghouse and Limitorque are continuing to investigate this item to identify the Motor Operators affected and to determine what long-term corrective actions may be required.

The applicability of this item to Seabrook [and thus its reportability or non-reportability under 10CFR50.55(e)] is contingent on the results of the on-going investigation by Westinghouse and Limitorque. Region I will be

5
B210260330 B21018
PDR ADDCK 05000443
PDR

IE27

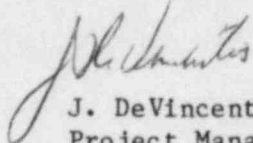
United States Nuclear Regulatory Commission
Attention: Mr. Richard W. Starostecki, Director

October 18, 1982
Page 2

notified by January 15, 1983, as to the status of the investigation. This report is being filed pursuant to the interim reporting provision of 10CFR50.55(e)(3).

Very truly yours,

YANKEE ATOMIC ELECTRIC COMPANY



J. DeVincentis
Project Manager

JDV/ba

cc: Director, Office of Inspection and Enforcement
Washington, DC 20555