

TERA



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
631 PARK AVENUE
KING OF PRUSSIA, PENNSYLVANIA 19406

TERA

June 26, 1979

Docket No. 50-213

Connecticut Yankee Atomic Power Company
ATTN: Mr. W. G. Council
Vice President - Nuclear
Engineering and Operations
P. O. Box 270
Hartford, Connecticut 06101

Gentlemen:

The enclosed IE Circular 79-10 is provided as an early notification of a possibly significant matter. It is expected that recipients will review the information for possible applicability to their facilities. No specific action or response is requested at this time. If further NRC evaluations so indicate, an IE Bulletin will be issued to recommend or request specific licensee actions. If you have questions regarding this matter, please contact this office.

Sincerely,

James M. Allan
Boyce H. Grier
Director

Enclosures:

- 1. IE Circular No. 79-10
- 2. List of IE Circulars Issued
in Last Twelve Months

cc w/encls:

- R. Graves, Plant Superintendent
- D. G. Diedrick, Manager of Quality Assurance
- J. R. Himmelwright, Licensing Safeguards Engineer

298 044

7907060180 Q

ENCLOSURE 1

UNITED STATES
NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT
WASHINGTON, D.C. 20555

IE Circular No. 79-10
Date: June 26, 1979
Page 1 of 2

PIPEFITTINGS MANUFACTURED FROM UNACCEPTABLE MATERIAL

Description of Circumstances:

Liberty Equipment and Supply Company of Kennewick, Washington and Tube Turns Division, Chemetron Corporation of Louisville, Kentucky reported on April 4 and 12, 1979, respectively, that potentially defective pipe fittings were manufactured from material with a high carbon content beyond the range allowed by ASTM A-234 WPB. These high carbon content fittings may crack when welded.

Tube Turns received 3.500 OD x .250W pipe from U. S. Steel - Lorain - identified as U. S. Steel Heat No. N570028. A total of 28,153 feet was received and identified by Tube Turns as Lot W6719. U. S. Steel has not been able to determine the exact number of lengths of pipe of incorrect chemistry, but indicated it could be at least four lengths. From this pipe, 4" - 90 degrees and 45 degrees - .237 wall elbows and 2" - .237 wall straight tees, ASTM A-234 WPB, were produced by Tube Turns. Each length of pipe is twenty feet and makes from 20 to 30 fittings. Approximately 27,000 fittings were produced and each is identified by Tube Turns Lot No. W6719. Shipment of these fittings started in March of 1978, and it is estimated all were shipped before the end of 1978.

On May 10, 1979, the Tube Turns Division reported to the NRC that 4" elbows, Lot W6719, have been provided to the nuclear power plants listed below. U.S. Steel has tested about one hundred and fifty (150) loose and installed fittings at the seven sites noted by an asterisk.

| | | | |
|----------------|------------|--------------|----------------|
| *Grand Gulf | *Zimmer | *Phipps Bend | *Waterford III |
| *Brown's Ferry | Midland | Limerick | |
| Shoreham | *LaSalle | Sequoyah | |
| *Brunswick | Hartsville | Bellefonte | 298 045 |

On June 1, 1979, the Tube Turns Division reported to the NRC via telephone that of the 160 fittings tested at Nuclear Power Plants, three (3) pieces were found to have a high carbon content and were replaced.

All construction permit holders are advised to conduct a review of their pipefitting receiving documents for the permittees and determine if fittings manufactured by the permittees identified as Tube Turn Lot W6719. If shipments were received, appropriate corrective action should be taken.

DUPLICATE DOCUMENT

Entire document previously entered into system under:

ANO 7907020171

No. of pages: 5