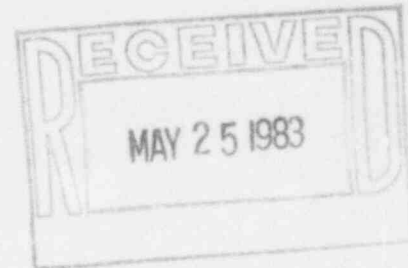




KANSAS GAS AND ELECTRIC COMPANY

GLENN L. KOESTER
VICE PRESIDENT - NUCLEAR

May 23, 1983



Mr. W.C. Seidle, Chief
Reactor Projects Branch 2
U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011

KMLNRC 83-058

Re: Docket No. STN 50-482

Ref: Letter KMLNRC 83-020 dated 3/3/83 from
GLKoester, KG&E, to WCSeidle, NRC

Subj: Final 10CFR50.55(e) Report - U-Bolt
Material Traceability

Dear Mr. Seidle:

This letter provides the final report concerning the material traceability of U-bolts and bulk bolting materials. Kansas Gas and Electric Company initially reported this matter to Region IV of the Nuclear Regulatory Commission on February 4, 1983, and the Reference provided an interim written report.

The attached final report is submitted pursuant to 10CFR50.55(e). If you have any questions concerning this subject, please contact me or Mr. Otto Maynard of my staff.

Yours very truly,

Glenn L. Koester

GLK:bb
Attach

cc: RCDeYoung, w/a
HRoberts/WSchum, w/a

8305310148 830523
PDR ADOCK 05000482
S PDR

IE-27

10CFR50.55(e) Final Report
On
U-Bolt Material Traceability
For
Wolf Creek Generating Station, Unit No. 1

Kansas Gas and Electric Company

May 23, 1983

TABLE OF CONTENTS

- I. Introduction
- II. Description of Deficiency
- III. Analysis of Safety Implication
- IV. Corrective Actions

I. INTRODUCTION

In February 1983, Kansas Gas and Electric Company (KG&E) determined that some U-Bolts and bulk bolting materials purchased for non-safety-related applications could have potentially been used in safety-related or special scope (such as two-over-one, II/I) applications. Therefore, Mr. Earl Creel of KG&E reported this concern as a potential 10CFR50.55(e) to Mr. Johns Jaudon of the Nuclear Regulatory Commission (Region IV) on February 4, 1983.

II. DESCRIPTION OF DEFICIENCY

The Wolf Creek Constructor uses a color coding system to segregate safety-related and non-safety-related bulk bolting material. The bolting materials are painted with different colors to indicate material acceptability/traceability. The method being used to apply the paint to the items in question did not ensure that the paint remained on the item.

U-bolts have been installed in safety-related and special scope applications which no longer have a painted color to indicate type of material. Furthermore, there was no requirement for installation verification that acceptable material was installed. Since there has been some bolting material purchased under non-safety-related purchase orders which may not meet the minimum material properties specified for safety-related and special scope applications, the potential exists that some non-safety-related bolting material could have been used in safety-related or special scope applications.

III. ANALYSIS OF SAFETY IMPLICATIONS

The design of Wolf Creek Generating Station is very conservative, and even if some non-safety-related bolting materials were used in safety-related applications as described above, it is unlikely that safety would have been compromised. However, to confirm this would require evaluation and material testing on a case by case basis. This evaluation and testing would not be

practical in this case and KG&E would still replace any materials of unknown quality found in safety-related or special scope applications. Therefore, rather than performing a safety evaluation for this concern, the conservative assumption was made that all nontraceable bulk bolting material used in safety-related applications could fail to perform its designed function and adversely affect safety.

IV. CORRECTIVE ACTION

Several corrective actions have been initiated to preclude similar problems in the future as well as assuring previously installed U-bolts and bulk bolting materials are acceptable. More specifically, marking requirements have been established that assure the materials can be properly identified. All existing and future inventories will be marked in accordance with acceptable marking requirements and any U-bolts or bulk bolting materials of unknown quality will be removed from the job site.

Effective April 18, 1983, no supports with U-bolts and bulk bolting material will be Quality accepted unless an approved marking can be found on the materials in questions. All supports Quality accepted prior to April 18, 1983, with U-bolts or bulk bolting material will be reinspected to assure the subject materials are acceptable. Any of the subject materials that do not meet the acceptable marking requirements will be replaced with acceptable stock material.