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 WALSHE, D.V. Grinnell Corp. (formerly ITT Grinnell Corp.)
 RECIP. NAME RECIPIENT AFFILIATION
 NRC - No Detailed Affiliation Given

SUBJECT: Part 21 rept re deviations on Duke Power purchase order for Grinnell hydraulic shock & sway suppressions. Util will clarify post accident environ temps & radiation level requirements in design specs.

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Grinnell[®]

CORPORATION

ENGINEERED PIPE SUPPORTS

Precision Park
160 Frenchtown Road
North Kingstown, RI 02852

September 16, 1996

United States Nuclear Regulatory Commission
Washington,
DC 20555

ATTENTION: NRC OPERATIONS CENTER**RE: INTERIM REPORT
TITLE 10 - CHAPTER 1 - 10CFR PART 21**

Gentlemen:

During a recent engineering review of a Duke Power Purchase Order, Grinnell discovered the following deviation:

Grinnell Hydraulic Shock and Sway Suppressors (Snubbers) have been qualified to the following environmental conditions:

Radiation: 3 x 10⁷ Rads

Temperature for Seals and Metal Reservoirs (PH 76N and PH 74R)

**340° F for 3 hours followed by
320° F for 3 hours followed by
250° F for 18 hours**

Temperature for Polycarbonate Reservoirs:

200° F Continuous Operation with Brief Transients to 250° F

These conditions vary from the accident environmental conditions contained in Duke Power's specifications for the Mc Guire and Oconee Plants.

After obtaining additional information Grinnell promptly notified Duke Power of the deviation so they could perform a safety evaluation.

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PDR ADOCK 05000269
S PDR

12/19/11

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September 16, 1996

RE: INTERIM REPORT

TITLE 10 - CHAPTER 1 - 10CFR PART 21

Duke Power notified Grinnell on September 3, 1996 that the snubbers are operable as shipped. This was confirmed by Duke Power Problem Investigation Reports - Serial # O-096-1636 for the Oconee site and Serial # O-M96-2408 for the McGuire Site. Duke Power intends to clarify the post accident environmental temperatures and radiation level requirements in their design specifications.

Grinnell is currently reviewing the environmental conditions (relative to hydraulic snubbers of customer design specifications to assure we are in compliance and we will notify the appropriate customers if any deviations are found. We will also keep the NRC informed.

Evaluation Completion: It is estimated that this review will be completed on or about November 18, 1996.

Grinnell Contacts:

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Stephen J. Perreault - Engineering Manager (401 - 886-3040)

Very truly yours,

Grinnell Corporation



David V. Walshe
Quality Assurance Manager

DVW/gp

cc: Part 21 Evaluation Group
D. Curtin - G/NK
B. Doherty - G/Exeter
Duke Power

GENERAL INFORMATION or OTHER

EVENT NUMBER: 31009

LICENSEE: GRINNELL CORP, NORTH KINGSTOWN, RI
CITY: NORTH KINGSTOWN REGION: 1
COUNTY: STATE: RI
LICENSE#: AGREEMENT: Y
DOCKET:

NOTIFICATION DATE: 09/16/96
NOTIFICATION TIME: 12:11 [ET]
EVENT DATE: 09/16/96
EVENT TIME: 00:01 [EDT]
LAST UPDATE DATE: 09/16/96

NOTIFICATIONS

NRC NOTIFIED BY: DAVE WALSH
HQ OPS OFFICER: CHAUNCEY GOULD

VERN HODGE NRR

EMERGENCY CLASS: NOT APPLICABLE
10 CFR SECTION:
CCCC 21.21 UNSPECIFIED PARAGRAPH

EVENT TEXT

- 10CFR21 REPORT -

THE GRINNELL CORPORATION DISCOVERED DEVIATIONS ON A DUKE POWER PURCHASE ORDER FOR GRINNELL HYDRAULIC SHOCK AND SWAY SUPPRESSORS (SNUBBERS).

THESE SNUBBERS HAD BEEN QUALIFIED TO ENVIRONMENTAL CONDITIONS THAT VARY FROM THE ACCIDENT ENVIRONMENTAL CONDITIONS CONTAINED IN DUKE POWER'S SPECIFICATIONS FOR THE MCGUIRE AND OCONEE PLANTS. GRINNELL NOTIFIED DUKE POWER SO THAT THEY COULD PERFORM A SAFETY EVALUATION. DUKE POWER NOTIFIED GRINNELL THAT THE SNUBBERS ARE OPERABLE, AS SHIPPED. THEY ARE CONTINUING FURTHER INVESTIGATION OF THESE SNUBBERS.

~~9/16/96~~