

DMB

Colt Industries



Fairbanks Morse
Engine Division
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November 26, 1985

Office of Inspection & Enforcement
U.S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Ill. 60137

Attention: Mr. James G. Keppler, Director, Region III

Subject: Colt Industries-Fairbanks Morse Engine Division
Model 38TD8-1/8 Emergency Generators
Connecting Rod Nuts (Bolts)
Part 21 Report

Gentlemen:

During Colts factory assembly of connecting rod and rod bearing caps on a Model 38TD8-1/8 engine it was observed that the fit up of the nut to the mating surface of the connecting rod cap was not parallel. Further inspection led to the determination on November 25, 1985 that some nuts in stock have faces that are not perpendicular to the thread pitch line within the specified tolerance. This can result in a bending load being imposed on the bolt, inducing stresses beyond the design limit.

The suspect nuts are from vendor shipments received from April 9, 1984 thru the present. Nuts produced before this date were manufactured by Colt within the specified tolerance.

Utilities that could have defective parts are:

- 1) Baltimore Gas & Electric Co.; Calvert Cliffs, On Site Spare Engine only.
- 2) Virginia Electric & Power Co.; North Anna, On Site Spares.
- 3) Philadelphia Electric Co.; Limerick Station, On Site Spares.
- 4) Detroit Edison Co.; Fermi #2, On Site Spares.

To our knowledge, no operating engine, has potentially defective nuts installed.

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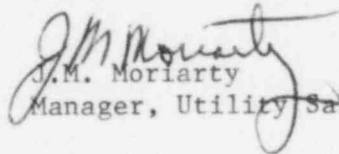
Our course of action on this potential defect is to:

- A) Replace all nuts and bolts in the assembled Calvert Cliffs On Site Spare Engine.
- B) Determine which nuts (bolts) shipped as on site spares have been assembled (Torqued Up) and replace both nuts and bolts.
- C) Determine which nuts have not been assembled (Torqued Up) and replace these nuts.

A copy of this report is being forwarded to the Utilities involved.

We will keep you informed of our progress in this matter.

Very truly yours,


J.M. Moriarty
Manager, Utility Sales

JMM/jl

cc: U.S. Nuclear Regulatory Commission
c/o Document Management Branch
Washington, D.C. 20555

Baltimore Gas & Electric Co.
Calvert Cliffs Nuclear Power Plant
Routes 2 and 4, Lusby, Md. 20657
Attention: L.B. Russell, Plant Superintendent

Virginia Electric & Power Co.
North Anna Nuclear Station
Mineral, Virginia 23117
Attention: E.W. Harrell, Station Manager

Detroit Edison Co.
Fermi Unit #2
6400 North Dixie Hwy.
Newport, Michigan 48166
Attention: R.S. Lenart, Plant Supt.

Philadelphia Electric Co.
2301 Market St.
Philadelphia, Pa. 19101
Attention: Mr. V.S. Boyer
Senior V.P., Nuclear Power