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November 11, 1998

Document Control Desk U.S. Nuclear Regulatory Commission Washington, DC 20555

File No. 98-001

Subject: FM-Alco 251 Engine, Wrist Pin Assembly, Catalog No.: 2420021-2

On November 11, 1998, Coltec Industries, Fairbanks Engine Division (FMED), became aware of a potential safety hazard associated with the wrist pin assemblies for FM-Alco 251 engines. The wrist pin assembly consists of a wrist pin and a sleeve fitted in the bore of the wrist pin and held in place by rolling each end which causes a tight friction fit. The sleeves of the subject wrist pin assemblies were supplied with an incorrect material, which is not suitable for rolling - expansion. Therefore, the friction fit between the pin and the sleeve may not be sufficient, which could cause the sleeve to become lose and possibly contact the liner. A drawing of the wrist pin assembly is attached.

Corrective actions have been taken to prevent recurrence, which include no longer using the supplier of the defective wrist pins, and retraining the Receipt Inspectors and the Quality Assurance Supervisor to perform proper inspections and reviews of certifications.

The only affected utility is Consumers Power – Palisades, which received a total of 36 wrist pin assemblies between 1995 and 1996. It should be noted that no failures have occurred to date and the problems with the wrist pin assemblies occurred in commercial applications after many thousands of hours of cyclic operation. FM-Alco 251 engines in nuclear applications are not typically subjected to this type of operation. However, it is recommended that the subject wrist pins be replaced with pin assemblies made with the correct sleeve material.

Sincerely,

James C. Golding

Senior Quality Assurance Engineer

James C. Golding

Cc: Terry Gill Mary Armfield Ted Stevenson

9811180227 981111 PDR ADOCK 05000255 S PDR General Information or Other (GEN)

Event #

35030

Rep Org: COLTEC INDUSTRIES Licensee: COLTEC INDUSTRIES

Notification Date / Time: 11/13/1998 15:45

(EST)

Event Date / Time: 11/13/1998 14:45

(CST)

Last Modification: 11/13/1998

Region: 3

Docket #:

City: Beloit

Agreement State: No

County:

21 21

License #:

State: WI

NRC Notified by: James Golding

Notifications: GEOFFREY WRIGHT

R3

HQ Ops Officer: JOHN MacKINNON **Emergency Class: NON EMERGENCY** **VERN HODGE**

NRR

10 CFR Section:

UNSPECIFIED PARAGRAPH

Coltec Industries, Fairbanks Engine Division (FMED) became aware of a potential safety hazard associated with the wrist pin assemblies of FM-Alco 251 engines. Only affects Palisades Nuclear Power Plant.

10 CFR PART 21 REPORT

On November 11, 1998, Coltec Industries, Fairbanks Engine Division (FMED), became aware of a potential safety hazard associated with the wrist pin assemblies for FM-Alco 251 engines. The wrist pin assembly consists of a wrist pin and a sleeve fitted in the bore of the wrist pin and held in place by rolling each end which causes a tight friction fit. The sleeves of the subject wrist pin assemblies were supplied with an incorrect material, which is not suitable for rolling - expansion. Therefore, the friction fit between the pin and the sleeve may not be sufficient, which could cause the sleeve to become loose and possibly contact the liner.

Corrective actions have been taken to prevent recurrence, which includes no longer using the supplier of the defective wrist pin, and retraining the Receipt Inspectors and the Quality Assurance Supervisor to perform proper inspections and reviews of certifications.

Consumers Power - Palisades is the only utility, which received a total of 36 wrist pin assemblies between 1995 and 1996. It should be noted that no failures have occurred to date and the problems with the wrist pin assemblies occurred in commercial applications after many thousands of hours of cyclic operation. FM-Alco 251 engines in nuclear applications are not typically subjected to this type of operation. However, it is recommended that the subject pins be replaced with pin assemblies made with the correct sleeve material.





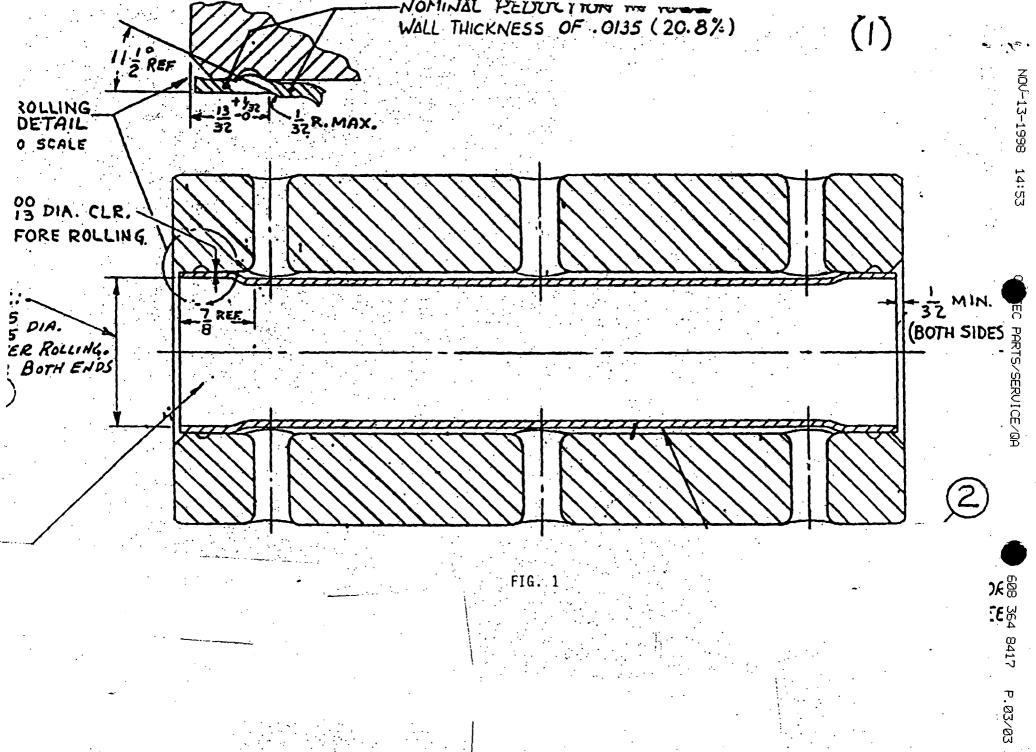
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Coitec Industries FAIrbanks Morse Engine Division	FAX TO:	PAGE	
		DATE	
ATTN: NRC Operations Center		OUR REF	
FROM: James Golding, Coltec Industries		YOUR REF	
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SUBJECT: Part 21 File No. 98-001

Attached is notification of part 21 File No. 98-001. Written notification will follow. If there are any questions please contact me at (608) 364-8315.

James Golding

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THIRD ANGLE PROJEC