



01 April 1994

Document Control Desk
United States Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Air Piping Support Stud, Turbo End
10 CFR Part 21 Notification 93-005

To whom it may concern:

On 16 September 1993, Northern States Power Company's Prairie Island Nuclear Generation Plant notified Fairbanks Morse Engine Division, via Nonconforming Item Report No.: 0900, of the failure of two(2) support studs(FMED P/N 16100711) on the Discharge Piping Bracket to the Turbocharger that provide support for the Air Inlet Housing.

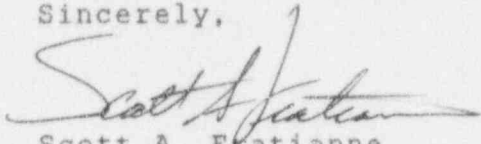
The subject studs are manufactured by Fairbanks Morse Engine Division, and are made from cold finished carbon steel: AISI C1117 material equal to Grade 2. The design of the part dates back to 1962, and are in use on all 12 cylinder turbo parallel units shipped to date; these parts have not been previously reported as a service problem.

The stud and bracket assembly is used for support and control of vibration only. The failure mode may be caused by excessive torque, or misalignment during the life of this component; the design is not in question.

The results of the engineering evaluation pursuant to this issue indicates that this condition does not constitute a substantial safety hazard as defined.

However, affected utilities with 12 cylinder turbo parallel units should pay special attention to the alignment, and torque conditions associated with the installation of the stud and bracket assembly during future maintenance and inspection activities.

Sincerely,



Scott A. Fratianne
Quality Assurance Manager,
Supplier and Systems Quality

cc: W. Martin
T. Stevenson
Northern States Power Company
File 93-005