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**February 16, 2004**

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

**Subject: ABB Turbocharger Model VTC-304**

**On February 12, 2004, Fairbanks Morse Engine evaluation determined a potential safety hazard associated with the use of ABB turbocharger model VTC-304 on OP engines only.**

**Torsional resonance has been found in the rotating assembly which is excited by exhaust pulses. The resonance manifests itself as either a bent or broken shaft, slipped compressor wheel, cracked compressor wheel or complete rupture of the compressor set. Once failure occurs, engine power cannot be sustained.**

**This condition is corrected by machining the rotating assembly to tune the natural frequency away from operating conditions.**

**The only affected site is Crystal River 3. (6) turbos have been shipped to this site. None of the turbos have been installed and all are in storage. The FM parts department will arrange to have the turbos returned to the factory to have the necessary machining performed.**

**Sincerely,**

A handwritten signature in black ink, appearing to read "Todd Collins".

**Todd Collins  
Manager, QA**

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