During disassembly of NR-P-1D as a result of high pump vibration, it was discovered that a top lug on a split ring coupling which joins two sections of the pump shaft had sheared. Therefore, although the shaft was still intact, the pump's ability to pump water over an extended period of time is unlikely. This event is considered reportable under T.S. 6.9.1.9.b equipment failure.

The cause for the coupling failure is most likely the result of high vibration induced by badly worn bearings. The defective component and the worn bearings are being replaced. The cause for the bearing wear is under investigation.