

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

July 30, 1981

NRC REGION II
ATLANTA, GEORGIA

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WBRD-50-390/81-57

Mr. James P. O'Reilly, Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Region II - Suite 3100
101 Marietta Street
Atlanta, Georgia 30303



Dear Mr. O'Reilly:

WATTS BAR NUCLEAR PLANT UNIT 1 - CENTRIFUGAL CHARGING PUMP 1A-A IMPELLER -
WBRD-50-390/81-57 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector R. V. Crlenjak on June 29, 1981 in accordance with 10 CFR 50.55(e) as NCR W-40-P. Enclosed is our first interim report. We expect to submit our next report by October 1, 1981.

If you have any questions, please get in touch with D. L. Lambert at FTS 857-2581.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L M Mills by DSK

L. M. Mills, Manager
Nuclear Regulation and Safety

Enclosure

cc: Mr. Victor Stello, Director (Enclosure)
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

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ENCLOSURE

WATTS BAR NUCLEAR PLANT UNIT 1
CENTRIFUGAL CHARGING PUMP 1A-A IMPELLER
WBRD-50-390/81-57
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

During the performance of flushing activities for the emergency core cooling system, the pump suction strainer for the centrifugal charging pump became plugged. The plugging resulted in insufficient net positive section head for the pump. The lack of head resulted in the impeller overheating and siezing, thus damaging the internal element of the 1A-A pump.

Interim Progress

TVA is continuing the investigation of this deficiency.