

PART 21 IDENTIFICATION NO. 81-360-000 COMPANY NAME Tennessee Valley Authority

DATE OF LETTER 2/4/81 DOCKET NO. EA-328

DATE DISTRIBUTED 2/11/81 a.m. ORIGINAL REPORT ☒ SUPPLEMENTARY ☐

DISTRIBUTION:

REACTOR (R) ☒

FUEL CYCLE & ☐

SAFEGUARDS (S) ☐

~~"IE FILES"~~

MATERIALS (M)

IE FILES

EES

IE FILES

AD/SG

AD/FFMSI

AD/ROI

REGIONS I,II,III,IV,V

REGIONS I,II,III,IV,V

REGIONS I,II,III,IV,V

VENDOR BR. R-IV

VENDOR BR. R-IV

VENDOR BR. R-IV

LOEB / MPA MNB 5715

NMSS / FCMS SS-395

NRR/DOL

AEOD MNB 7602

LOEB / MPA MNB 5715

NMSS / SG SS-881

NRR/DOE

AEOD MNB 7602

LOEB / MPA MNB 5715

NRR/DSI

ASLBP E/W 450

AEOD MNB 7602

NRR/DST

SAP/SP MNB-7210A

ASLBP E/W 450

NRR/DOL

ASLBP E/W 450

CENTRAL FILES 016

CENTRAL FILES 016

CENTRAL FILES (CHRON)

CENTRAL FILES (CHRON)

PDR

CENTRAL FILES SS-395

LPDR

PDR

TERA

LPDR

TERA

CENTRAL FILES 016

CENTRAL FILES (CHRON)

PDR

LPDR

TERA

ACTION:

PRELIMINARY EVALUATION OF THE ATTACHED REPORT INDICATES LEAD RESPONSIBILITY FOR FOLLOWUP AS SHOWN BELOW:

IE ☒

NRR ☐

NMSS ☐

OTHER ☐

EES

8102250541

REV. 8/1/80
9/17/80

NRC Part 21 10 - 31-520-000
TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

February 4, 1981

SQRD-50-328/81-11

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:

SEQUOYAH NUCLEAR PLANT UNIT 2 - STRESS CORROSION CRACKING IN TUBING
ON THE REACTOR COOLANT PUMP OIL COOLERS - SQRD-50-328/81-11 -
SECOND INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector R. W. Wright on December 2, 1980, in accordance with 10 CFR 50.55(e) as NCR SQN NEB 8028. An interim report was submitted on January 2, 1981. We expect to submit our next report by March 27, 1981. We consider 10 CFR 21 applicable to this deficiency.

TVA has received and is evaluating the quotation from Westinghouse for replacing the unit 2 reactor coolant pump lubrication oil cooler tubing with 90-10 copper-nickel. TVA is also investigating the idea of plugging the oil cooler tubes which leak. This would be acceptable in view of the fact that hydrazine, which was used as the component cooling system water treatment, has been removed from the system. Ammonia, which resulted from the decomposition of hydrazine, in conjunction with residual and operating stresses, caused the stress corrosion cracking.

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

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills, Manager
Nuclear Regulation and Safety

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

POOR ORIGINAL