

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

March 30, 1982

WBRD-50-390/82-26

WBRD-50-391/82-23

U.S. Nuclear Regulatory Commission
Region II

Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303



Dear Mr. O'Reilly:

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2 - INCORRECT LUBE OIL USED IN DIESEL
GENERATORS - WBRD-50-390/82-26, WBRD-50-391/82-23 - FIRST INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
R. V. Crlenjak on February 25, 1982 in accordance with 10 CFR 50.55(e)
as NCR W-88-P. Enclosed is our first interim report. We expect to submit
our next report by June 21, 1982.

If you have any questions, please get in touch with R. H. Shell at
FTS 858-2688.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

A handwritten signature in cursive script, which appears to be "L. M. Mills".

L. M. Mills, Manager
Nuclear Regulation and Safety

Enclosure

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

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ENCLOSURE
WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
INCORRECT LUBE OIL USED IN DIESEL GENERATORS
NCR W-88-P
WBRD-50-390/82-26, WBRD-50-391/82-23
10 CFR 50.55(e)
FIRST INTERIM REPORT

Description of Deficiency

Chevron Delo 400 was used as a lubricant for the emergency diesel generator engines. Delo 400 has 1300 ppm zinc. However, lube oil with greater than 10 ppm zinc can be detrimental to the silver coating on the wrist pin bearings. The incorrect oil was initially installed by TVA Construction based on the recommendation of the operating division (TVA's Division of Nuclear Power). The operating division has continued to use Delo 400 in these engines. The root cause of this deficiency was the specification of Delo 400 lubricating oil without checking the vendor's specifications for chemical content.

Interim Progress

Watts Bar Construction reviewed WBNP-QCP-4.14, Lubrication Control for Permanent Mechanical Equipment, and found it to be adequate. TVA is continuing the investigation of this deficiency and will supply additional information in our next report.