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 FACIL: 50-438 Bellefonte Nuclear Plant, Unit 1, Tennessee Valley Au 05000438
 50-439 Bellefonte Nuclear Plant, Unit 2, Tennessee Valley Au ~~05000439~~
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 MILLS, L.M. Tennessee Valley Authority
 RECIP. NAME RECIPIENT AFFILIATION
 O'REILLY, J.P. Region 2, Atlanta, Office of the Director

SUBJECT: Final deficiency rept, initially reported 810129 re storage temp limit exceeded. During weekend of 810110-11, there was no heat in protective coating storage bldg. Caused by blown fuse. Bldg heaters & warning lights rewired.

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 TITLE: Construction Deficiency Report (10CFR50.55E)

NOTES:

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MAR 12 1981

TENNESSEE VALLEY AUTHORITY

MEMPHIS, TENNESSEE 38102

400 Chestnut Street Tower II

March 2, 1981

BLRD-50-438/81-18
BLRD-50-439/81-18

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:

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - STORAGE TEMPERATURE LIMIT EXCEEDED
- BLRD-50-438/81-18, BLRD-50-439/81-18 - FINAL REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
R. W. Wright on January 29, 1981, in accordance with 10 CFR 50.55(e) as
NCR 1340. Enclosed is our final report.

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

Enclosure

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

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ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
STORAGE TEMPERATURE LIMIT EXCEEDED
BLRD-50-438/81-18, BLRD-50-439/81-18
10 CFR 50.55(e)
FINAL REPORT

Description of Deficiency

During the weekend of January 10 and 11, 1981, there was no heat in the protective coating storage building. The temperature recorded on the maximum/minimum thermometer was 31^oF. A minimum of 40^oF is specified in Quality Control Procedure (QCP) 2.4. The apparent cause was a blown fuse.

Safety Implication

The protective coating at Bellefonte serves no safety function; it is used to facilitate cleanup after potential leaks in radioactive systems. The batch number of the coating is strictly controlled and, if approved for use, the coating exposed to low temperature will not be used in Service Level I (Reactor Building) buildings. In other locations where the coating may be used (e.g., Auxiliary Building), the failure of the coating would not affect adversely the safety of operations of the plant. Since this material will not be used in the Reactor Building and its failure in the other areas would not adversely affect safety of operations of the plant, no safety implications exist.

Corrective Action

The protective coating storage building heaters and warning light have been rewired to increase the reliability of the system. The significance of maintaining building heating has been reemphasized to site employees (in particular public safety employees who are charged with checking the system during off times).

Samples of the affected material have been taken and analyzed by Singleton Materials Engineering Laboratory (SME). Preliminary results from SME indicate the material can be used as is. The site is presently awaiting formal confirmation of preliminary input.