

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

82 JUN 7 9:26
June 1, 1982

U.S. Nuclear Regulatory Commission
Region II
ATTN: James P. O'Reilly, Regional Administrator
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

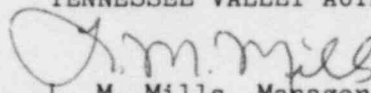
HARTSVILLE NUCLEAR PLANT A UNIT 1 - REPORTABLE DEFICIENCY -
SPLIT IN BIOLOGICAL SHIELD WALL - HTRD-50-518/82-13

The subject deficiency was initially reported to NRC-OIE, Region II, Inspector Ross Butcher on April 29, 1982. In accordance with paragraph 50.55(e) of 10 CFR Part 50, we are enclosing our first interim report on the subject deficiency.

TVA has elected to defer construction activities for this project. Deferral does not mean that the project is cancelled but that TVA is minimizing its expenditures and construction efforts until such time that TVA has sufficient information to indicate whether the project should be completed or cancelled. Therefore, we will not be submitting a final report for this nonconformance until a final decision is made regarding this project. If you have any questions, please call Jim Domer at FTS 858-2725.

Very truly yours,

TENNESSEE VALLEY AUTHORITY


L. M. Mills, Manager
Nuclear Licensing

Enclosure

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

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ENCLOSURE
HARTSVILLE NUCLEAR PLANT A UNIT 1
SPLIT IN BIOLOGICAL SHIELD WALL
10CFR50.55(e) REPORT NO. 1 (INTERIM)
NCR HNPA-203
HTRD-50-518/82-13

Description of Deficiency

During cleanup operations for placing Hartsville Nuclear Plant (HNP) in a deferred status, a split (approximately 1-1/2 inch wide by 48 inches long) in the unit A-1 biological shield wall was discovered. The split is located in the outer shell plate at azimuth 51° and between elevation 18'-4" and 21'-11". A void in the concrete directly behind the split has also been detected.

Safety Implications

The split violates the minimum wall thickness of the shield wall and therefore could adversely affect safe operation of the plant.

Correction Action

Because of the deferral of HNP, investigation into the cause of the split and proposals for effecting a repair may be postponed until the time that construction is resumed.

Preliminary investigations indicate that this damage may have been caused by freeze damage due to water entrapment in a void in the concrete. Further studies to be conducted at a later date may result in confirmation of the above or modification/revision to the apparent cause.