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TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

400 Chestnut Street Tower II

May 18, 1983

BLRD-50-438/82-68

BLRD-50-439/82-61

U.S. Nuclear Regulatory Commission
Region II

Attn: Mr. James P. O'Reilly, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - GENERIC DEFICIENCIES AT
CONSOLIDATED CONTROLS CORPORATION - BLRD-50-438/82-68, BLRD-50-439/82-61 -
SECOND INTERIM REPORT

The subject deficiency was initially reported to NRC-OIE Inspector
R. V. Crlenjak on September 16, 1982 in accordance with 10 CFR 50.55(e) as
NCR 1950. This was followed by our first interim report dated October 18,
1982. Enclosed is our second interim report. We expect to submit our next
report on or about November 17, 1983. We consider 10 CFR Part 21
applicable to this deficiency.

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

Very truly yours,

TENNESSEE VALLEY AUTHORITY

L. M. Mills

L. M. Mills, Manager
Nuclear Licensing

Enclosure

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

Records Center (Enclosure)
Institute of Nuclear Power Operations
1100 Circle 75 Parkway, Suite 1500
Atlanta, Georgia 30339

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REGION II
ATLANTA, GEORGIA

ENCLOSURE

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2
GENERIC DEFICIENCIES AT CONSOLIDATED CONTROLS CORPORATION
NCR 1950
BLRD-50-438/82-68, BLRD-50-439/82-61
10 CFR 50.55(e)
SECOND INTERIM REPORT

Description of Deficiency

Consolidated Controls Corporation (CCC) of Bethel, Connecticut, has supplied TVA with the solid state control system (SSCS) as well as the basic control room switch modules (Type 5N3) for the Bellefonte Nuclear Plant. Since the beginning of shipment in May 1977 and continuing to the present, there have been at least 39 nonconformances written against the equipment supplied by CCC. At least six of these nonconformances have been determined to be reportable to the NRC. Individually, most of these nonconformances do not represent a significant condition adverse to quality; however, collectively, they do indicate a breakdown in the supplier's quality control program.

Bellefonte is the only TVA plant to receive equipment under a QA contract from CCC.

Interim Progress

CCC has responded to the QA/QC concerns of this nonconformance report (NCR) in their letter to TVA dated December 15, 1982 (EEB 821217 017), and in their responses to TVA audits in September 1981 and October 1982 and to the NRC audit in July 1982.

CCC has provided some failure analyses of failed equipment listed on other NCRs. Failure analyses on the remainder of failed equipment are due by August 1, 1983. Preliminary evaluation of their submittals indicates that CCC has corrected their quality control problems and that numerous equipment failures are random failures. TVA will fully evaluate quality control issues and discuss the results in a subsequent report.