

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 7904190082 DOC. DATE: 79/04/09 NOTARIZED: NO DOCKET #  
 FACIL: 50-438 BELLEFONTE NUCLEAR PLANT, UNIT 1, TENNESSEE VALLEY AU 05000438  
 50-439 BELLEFONTE NUCLEAR PLANT, UNIT 2, TENNESSEE VALLEY AU 05000439  
 AUTH. NAME AUTHOR AFFILIATION  
 GILLELAND, J.E. TENNESSEE VALLEY AUTHORITY  
 RECIP. NAME RECIPIENT AFFILIATION  
 O'REILLY, J.P. REGION 2, ATLANTA, OFFICE OF THE DIRECTOR

SUBJECT: WILL SUBMIT COMBINED WRITTEN REPT COVERING NRC 871 & NRC 898  
 RE EXPANSION ANCHORS NOT PASSING QUALIFICATION TESTS BY  
 790609. *5 trans 3rd Intern rpt*

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 TITLE: CONSTRUCTION DEFICIENCY REPORT (10CFR50.55E).

NOTES: 7904190084

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ACTION:	14 PM <i>BOURNIA</i>	1 1	15 BC <i>LWR #3</i>	1 1
	20 LA <i>LWR #3</i>	1 1	21 AD <i>VASSALLO</i>	1 1
INTERNAL:	01 <b>REG FILE</b>	1 1	02 NRC PDR	1 1
	05 <i>1&amp;E</i>	2 2	07 EDO & STAFF	1 1
	08 MPA	1 1	09 DEPY DIR DPM	1 1
	10 QAB	1 1	11 STANDRDS DEV	1 1
	12 JORDAN, E/IE	1 1	13 FIELD COOR/IE	1 1
	16 AD FOR ENGR	1 1	17 AD PLANT SYS	1 1
	17 AD REAC SFTY	1 1	19 AD SYS/PROJ	1 1
	22 DIR DPM	1 1	23 OELD	1 1
EXTERNAL:	03 LPDR	1 1	04 NSIC	1 1
	24 ACRS	16 16		

*Encl: 7904190084*

APR 20 1979

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Rb*

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401  
500C Chestnut Street Tower II

APR 9 1979

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 - EXPANSION ANCHORS NOT PASSING  
QUALIFICATION TESTS - NCR 871 AND NCR 898 - THIRD INTERIM REPORT

On July 10, 1978, R. W. Wright, NRC-OIE Region II, was informed that NCR 871 was determined to be reportable in accordance with 10 CFR 50.55(e). This was followed by our first interim report dated August 9, 1978. Since that time, related NCR 898 has been determined to be reportable in accordance with 10 CFR 50.55(e) and was reported in our second interim report dated January 26, 1979. We expect to submit our combined final written report covering both of these NCR's by June 8, 1979.

If you have any questions concerning this matter, please get in touch with M. R. Wisenburg at FTS 854-2581.

Very truly yours,

J. E. Gilleland  
Assistant Manager of Power

Enclosure

cc: Mr. John G. Davis, Acting Director (Enclosure)  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

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ENCLOSURE

BELLEFONTE NUCLEAR PLANT  
NCR 871 AND NCR 898  
EXPENSION ANCHORS NOT PASSING QUALIFICATION TESTS  
THIRD INTERIM REPORT

Description of Condition

This deficiency involves self-drilling anchors used to anchor Seismic Category I supports to concrete. These anchors were installed without qualification tests as required by TVA General Construction Specification G-32. Also, when the anchors were tested in a test slab, they did not meet qualification testing performance specifications.

Interim Progress

TVA has completed the qualification test in accordance with G-32. Two anchor installation configurations have been tested, one configuration in concrete with cutting through rebar and the second without cutting rebar. Detailed test results and data are now being evaluated by Engineering Design research and development employees for assurance that anchors will meet design requirements.

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