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50-438-439**BELLEFONTIE NUCLEAR PLANT UNITS 1 AND 2
REPORTABLE DEFICIENCY ALTERATION OF
RECORDS BY BRISTOL STEEL AND IRON WORKS
INCORPORATED.**

ENCLOSURES:

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GOWER**R.A. HARTFIELD**



831 Power Building

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

*Reseta Facilities
Branch*

March 5, 1976

Dr. Donald F. Knuth, Director
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Washington, DC 20555

*50-438
439*

Dear Dr. Knuth:

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2 - REPORTABLE DEFICIENCY
ALTERATION OF RECORDS BY BRISTOL STEEL AND IRON WORKS, INCORPORATED
(BSIW)

Initial report of the subject deficiency was made to E. J. Vallish,
NRC-IE, Region II on October 14, 1975, and was followed by our
November 18 and December 15, 1975, and February 9, 1976, interim
reports, J. E. Gilleland to Donald F. Knuth. Enclosed is the
fourth interim report of the deficiency. We expect to submit
our next written report by April 5, 1976.

Very truly yours,

J. E. Gilleland
J. E. Gilleland
Assistant Manager of Power

Enclosure

CC: Mr. Norman C. Moseley, Director (Enclosure)
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
Region II - Suite 818
230 Peachtree Street, NW.
Atlanta, Georgia 30303

BELLEFONTE NUCLEAR PLANT UNITS 1 AND 2

ALTERATION OF RECORDS BY BRISTOL STEEL AND IRON WORKS, INCORPORATED

FOURTH INTERIM REPORT

Interim report No. 3 referred to a formal report to be submitted by Bristol Steel and Iron Works (BSIW) relative to the Division 2 Advance fabricated material for Unit 2 and its associated altered records. The BSIW formal report dated January 30, 1976, has been received and reviewed by TVA. Due to construction priority TVA is considering the material covered by the BSIW report in two parts:

1. The embedded materials, i.e., beams, angles, tees, etc. (Hereinreferred to as embedded material)
2. The steam generator anchorages.

This report is to advise you of TVA's proposed disposition and comments relative to the embedded materials only.

The independent approach taken in the BSIW report to demonstrate the integrity of the embedded materials is acceptable to TVA. TVA has verified, through a verification inspection, the narrative portion of the January 30 report for the embedded material. TVA established the following criteria for use in the verification inspection which has been performed by the TVA Inspection and Testing Branch on the embedded materials.

1. Each piece of embedded material must have a legible stenciled piece mark.
2. Each piece of embedded material must have a legible Bristol Steel paint stick applied material identification (ID) number. The ID number must be an original marking and bear no signs of alteration or changes.
3. Route sheets must have a recorded ID number and the recorded ID number bear no evidence of erasure or change.
4. Fabrication Control Records must have recorded an ID number, a Route Sheet number as appropriate, and where welding is required a welding material ID number, a qualified welder ID number and must reference an approved welding procedure specification. This recorded data shall bear no evidence of erasure or change.
5. The ID number on the piece must agree with ID number on the Route Sheet and the Fabrication Control Record.

Failure of the material or its supporting documentation to meet any one of the above criteria or combination would have rendered the material unacceptable and therefore cause for rejection.

Attachment 1 to this interim report represents a listing of acceptable material meeting the above criteria. The material as identified by piece mark on attachment 1 is acceptable to TVA and can therefore be released for shipment.

Attachment 2 to this interim report represents a listing of material which does not meet the criteria set forth above and is therefore unacceptable and is rejected.

Acceptable Embedded Material by Piece Mark

Mark

5B1L
5B2L
5B3L
6B1L
6B2L
7B1L
7B2R
7B2L
7B4
7B5
7B9L
8B1
8B2L
8B3L
10B1
10B2L
10B3L
11B1
11B2L
12B1
12B2
12B3L
13B1
13B2
13B3
13B4
14B1
14B2
14B3
14B4
14B5
15B1
15B2
15B3
16B1L
16B2L
16B3L
16B4L
16B5L
16B6L
16B7L
17B1L
17B2L

Mark

17B3L
18B1L
18B2
18B3L
19B1L
19B3L
20B1L
20B2L
20B3L
21B1L
21B2L
21B3L
22B1
22B2
22B3L
23B1L
23B2L
24B1R
24B1L
24B2-1
24B2-2
24B3
24B4
25A1-6
25A1-7
25A1-8
25A1-9
25A1-10
25A1-11
25A1-12
25A1-13
25A1-14
25A1-15
25A1-16
25A1-17
25A1-18
25A1-19
25A1-20
25A1-21
25A1-22
25A1-23

Embedded Material (Continued)

Mark

25M1-24
25M1-25
25M2
25M5R
25M5L
25M6
25M7
26MLR
26MLL
26M2
26M3
26M4
26M5-1
26M5-2
26M5-3
26M5-4
26M5-5
26M5-6
26M5-10
27M1
27M2
27M3
27M4
27M6
27P1
28P1
28P2
28P3
29A3
29A4
29A5
29A6
29A7
29A8
29A9L
30A1
30A2
30A3
30A4
30A5
30A6
30A7
30A8L
30A9
30A12
30A13
30A14

Mark

31B1-1
31B1-3
31B1-4
31B1-5
31B1-6
31B1-7
31B1-8
31B1-10
31B1-11
31B1-12
31B1-13
31B1-14
31B2
33B3L
33M4
33M5
33M6
33P1
34B1
34B2R
34B2L
34B3
34B4L
34B5
34B6
35B1L
35B2L
36F1
36F2
36F3
36F5
37E1
37E3L
37E4L
38E3L
39F1
39F2
39F3
39F4
40F1
40F2
40F3
41E3
42A1
42A3
42A4
42A5
42A6

Embedded Material (Continued)

Mark

42A8
42A9
42A10
42A11
42A12
42A13L
42A14R
42A15L
44A2L
44A3L
44A4L
44A5L
44A6R
44A6L
44A7L
45A1L
45A3L
45A5L
45A6L
45A7L
46B2L
47B1L
47B2-1
47B2-2
47B2-3
47B2-4
47B2-5
47B2-6
47B2-7
47B2-8
47B2-9
47B2-10
47B2-11
47B2-12
47B2-13
47B2-15
49A1L
49A2L
49A3L
49A4L
49A5L
49A6L
49A7L
49A8R

Mark

50A1L
50A2R
50A2L
50A3
50A4
50A5R
50A5L
50A6
51A1L
51A1
51B2-1
51B2-2
51B3
51B1
52A1
52A3
52A4
52A5
52A6
52A7
53A1
53A5
53A6
54A1
54A3L
54A6L
54A9
55B1L
55B3L

Rejected Embedded Material

<u>Piece Mark</u>	<u>Cause for Rejection</u>
9B1L 9B2L 9B3 25M1-1 25M1-2 25M1-3 25M1-4 25M1-5	Criterion 4 - Erasures to welding material ID on FCR.
24B5R 24B5L 25M3 25M4R 25M4L 29A2 35B3L 37B2L 38B1L 38B2L 38B4L 38B5L 41B1L 43B3L 46B3L 54A2L	Criterion 3 - Erasures of ID numbers on route sheets.
43B1L 43B2L	Criterion 4 - Erasures to welder ID numbers on FCR.
47B2-14 54A7L 54A8L	Criterion 4 - Erasures to ID numbers on FCR.
26M5-7 26M5-8 26M5-9 26M5-11 26M5-12 26M5-13 30A10 31B1-2 41B2L 44A1R 45A2L 46B1L 52M2 53M2 53M3 53M4 54A4L	Criterion 3 - ID number on route sheet does not match the ID number on the piece.

Rejected Embedded Material

Piece Mark

Cause for Rejection

19B2L
31B1-9
55B2L

Criterion 2 - ID number is not legible on the piece.

33M3R
35B4L
36P4L
40P2L
40P5L
45A4L
47B3
54A5L

Pieces could not be found during the verification inspection.