

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401
400 Chestnut Street Tower II

April 18, 1985

Director of Nuclear Reactor Regulation
Attention: Ms. E. Adensam, Chief
Licensing Branch No. 4
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Ms. Adensam:

In the Matter of the Application of) Docket Nos. 50-390
Tennessee Valley Authority) 50-391

During recent meetings between TVA and NRC representatives, held to discuss power systems issues, TVA was requested to obtain vendor verification that the Watts Bar diesel generator auxiliary system piping meets the requirements of ANSI B31.1.

Enclosed is a copy of Morrison-Knudsen Company, Inc's. (the Watts Bar diesel engine supplier) letter to TVA dated April 17, 1985 which provides the requested information. We believe that this information should resolve NRC Safety Evaluation Report outstanding item 13.

If you have any questions concerning this matter, please get in touch with D. B. Ellis at FTS 858-2682.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

R. H. Shell

R. H. Shell
Nuclear Engineer

Sworn to and subscribed before me
this 18th day of April 1985.

Paulette F. White
Notary Public

My Commission Expires 8-24-88

Enclosure

cc: U.S. Nuclear Regulatory Commission (Enclosure)
Region II
Attn: Dr. J. Nelson Grace, Regional Administrator
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

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MORRISON-KNUDSEN COMPANY, INC.
POWER SYSTEMS DIVISION

POST OFFICE BOX 1928
ROCKY MOUNT, NORTH CAROLINA 27802-1928
PHONE: (919) 877-2720 / TWX: (910) 828-0725
TELEX 802807 PSD-RYMO

April 17, 1985

S/N 379C-0-0252

Tennessee Valley Authority
W7C126
400 West Summit Hill Drive
Knoxville, TN 37902

ATTENTION: Mr. T. A. Hogan

REFERENCE: Watts Bar Nuclear Plant
Contract 74C63-83090
M-K/PSD IWO #379

SUBJECT: B31.1 Piping at Watts Bar

Gentlemen:

A review of our QA records on this project reveals TVA Specification 2042, 1973 ANSI B31.1, PSD Bill of Material and PSD In-Process QA records that piping systems assembled by PSD meet the requirements of ANSI B31.1 (1973). The following are specific examples on which we base our decision:

- (1) Visual weld inspection performed in accordance with ANSI B31.1 Table 136.4. I have records to this effect signed by Mr. Max D. Dishen of TVA.
- (2) Initial service leak test performed in accordance with ANSI B31.1, paragraph 137. 1.3 witnessed by Mr. Max D. Dishen of TVA.
- (3) Material used to fabricate PSD piping assemblies meets the requirements found in ANSI B31.1, paragraph 123.2.5. A review of the purchase orders and the Bill of Material indicates this material was black malleable iron as required by Specification B31.1.
- (4) Welder and weld procedure qualification was in accordance with Section IX of the ASME Code as required by ANSI B31.1 paragraph 127.5. This can be substantiated with the in-process records used to fabricate piping assemblies. These records are also signed by Mr. Max D. Dishen of TVA.
- (5) Weld material used was in accordance with ANSI B31.1, paragraph 127.2 as indicated by Bill of Material and Purchase Orders.
- (6) In-process records reviewed indicated that material, workmanship, shop assembly, and testing was performed in accordance with TVA Specification 2042.

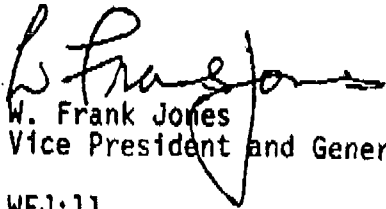
MORRISON-KNUDSEN COMPANY, INC.
POWER SYSTEMS DIVISION

Tennessee Valley Authority
April 17, 1985
Page 2

Note that the EMD engine and accessory rack are to manufacturers standard. In the opinion of our Engineering and QA Departments, this piping is as good as, or better, than B31.1.

Very truly yours,

MORRISON-KNUDSEN COMPANY, INC.
POWER SYSTEMS DIVISION



W. Frank Jones
Vice President and General Manager

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