

NOTICE OF NONCONFORMANCE

Mid-South Nuclear, Inc.
Birmingham, Alabama

Docket No.: 99901270/94-01

Based on the results of an NRC inspection conducted on January 25 through 28, 1994, it appears that certain of your activities were not conducted in accordance with NRC requirements.

- A. Criterion VII, "Control of Purchased Material, Equipment and Services," of Appendix B to Title 10 of the Code of Federal Regulations (10 CFR) Part 50, requires, in part, that measures shall be established to assure that purchased material conforms to procurement documents.

Paragraph 3.6 of Section 3, "Order Processing," of the Mid-South Nuclear, Inc. (MSN) Quality Assurance (QA) Manual, Revision 1, dated March 25, 1992, requires, in part, that applicable requirements necessary to meet the customer's purchase order (PO) shall be documented on appropriate documents.

Contrary to the above, neither the applicable MSN material critical characteristics forms nor the sales orders for the following purchase orders identified adequate critical characteristics and verifications to ensure that the items being supplied met the customer's procurement document requirements. (Nonconformance 99901270/94-01-02)

Dedication activities performed by MSN for the following POs included reviewing nonqualified material manufacturer certifications, verifying material identifications, dimensional checks, and chemical and/or hardness overchecks. However, MSN did not perform any overchecks to verify that the tensile properties and heat treatment of the material met the customer's procurement document requirements.

1. Sales Order No. 3225, Item 1, for the supply of one 3 foot long, 5 inch nominal diameter, schedule 120, A-312, Type 304, seamless stainless steel pipe in accordance with Bechtel Corporation (Bechtel) PO No. 21042-T-0504Q, Revision 0, dated January 5, 1993, for use at the Browns Ferry nuclear plant.
2. Sales Order No. 3309, Item 1, for the supply of one A-234, Grade WPB, butt weld connection, reducing pipe tee with openings of 3 inch diameter by 4 inch diameter by 4 inch diameter, in accordance with Bechtel PO No. 21042-T-0536Q, Revision 0, dated February 24, 1993, for use at the Browns Ferry nuclear plant.

Dedication activities performed by MSN for the following POs included reviewing nonqualified material manufacturer certifications, verifying

material identifications, dimensional checks, and hardness checks. However, MSN did not perform any overchecks to verify the material chemistry or to confirm the actual tensile strength listed on the material manufacturer's certification.

3. Sales Order No. 3292, Item 1, for the supply of six pieces of 16 inch nominal diameter, schedule 30, SA-105, Class 150, raised face weldneck pipe flanges, in accordance with Bechtel PO No. 21042-SW-2012AQ, Revision 0, dated February 11, 1993, for use at the Browns Ferry nuclear plant.
 4. Sales Order No. 3381, Item 1, for the supply of 2 1/2 inch diameter by 10 foot long, A-36 carbon steel round bar, in accordance with Bechtel PO No. 21042-C-0227Q, Revision 0, dated April 16, 1993, for use at the Browns Ferry nuclear plant.
 5. Sales Order No. 3428 for the supply of Items 1-6, A-36 structural steel plate, angle, and bars of various sizes, lengths, and qualities supplied in accordance with Tennessee Valley Authority (TVA) PO No. P-93PJX-35732H-001, dated April 12, 1993, for use by the TVA Muscle Shoals Distribution Center, Muscle Shoals, Alabama.
 6. Sales Order Nos. 3376 and 3376A for the supply of Items 1-19, A-36 structural steel items such as plates, angles, channels, and bars, of various sizes, lengths, and qualities in accordance with TVA PO No. P-93PGC-36737H, dated May 13, 1993, for use by TVA Muscle Shoals Distribution Center.
- B. NC-2610 of The American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code (Code), Section III, "Rules for Construction of Nuclear Power Plant Components," (Section III) permits certain small products to be furnished as ASME Code, Section III, Class material with a Certificate of Compliance certifying that the material is furnished in accordance with the applicable material specification and the applicable requirements of the ASME Code, Section III. However, NC-2610 requires, in part, that for these small products, the Certificate Holder's Quality Assurance Program (NCA-4000) shall provide measures to assure that the applicable specification and Code requirements are met.

NCA-9000 of the ASME Code, Section III, defines the Certificate Holder as an organization holding a valid N, NPT, or NA Certificate of Authorization issued by the society.

Contrary to the above requirements, MSN issued a Certificate of Compliance that indicated approximately 7000 feet of 1/4 inch outside diameter by 0.049 inch wall thickness, SA-213, Type 304, seamless stainless steel tubing had been furnished to TVA (Bechtel Constructors PO No. 21042-TS-990Q, for use at Browns Ferry) in accordance with the requirements of ASME Code, Section III, NC-2610, 1989 Edition, without the required involvement of a Certificate Holder. The Certificate of Compliance also indicated that the material met Material Specification SA-213 and ASME Code, Section III, Class 2, 1989 Edition, requirements.

Because MSN holds an ASME Quality System Certificate and is not an ASME Certificate holder, MSN should have furnished the tubing in accordance with NCA-3800 requirements. (Nonconformance 99901270/94-01-03)

Please provide a written statement or explanation to the U.S. Nuclear Regulatory Commission, ATTN: Document Control Desk, Washington, D.C. 20555, with a copy to the Chief, Vendor Inspection Branch, Division of Reactor Inspection and Licensee Performance, Office of Nuclear Reactor Regulation, within 30 days of the date of the letter transmitting this Notice of Nonconformance. This reply should be clearly marked as a "Reply to a Notice of Nonconformance" and should include for each nonconformance: (1) a description of steps that have been or will be taken to correct these items; (2) a description of steps that have been or will be taken to prevent recurrence; and (3) the dates your corrective actions and preventive measures were or will be completed.

Dated at Rockville, Maryland
this 8th day of March, 1994.