

November 17, 1982

SBN-375
T.F. B7.1.2

United States Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Mr. George W. Knighton, Chief
Licensing Branch 3
Division of Licensing

References: (a) Construction Permits CPPR-135 and CPPR-136, Docket
Nos. 50-443 and 50-444
(b) USNRC Letter, dated February 12, 1982, "Request for
Additional Information," F. J. Miraglia to W. C. Tallman
(c) PSNH Letter, dated March 12, 1982, "Response to 430 Series
RAIs; (Power Systems Branch)," J. DeVincentis to
F. J. Miraglia

Subject: Revised Response to RAI 430.127; (Power Systems Branch)

Dear Sir:

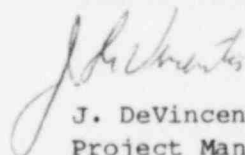
We have enclosed a revised response to the subject Request for Additional
Information (RAI) which was forwarded in Reference (b).

The original response to this RAI was submitted in Reference (c).

The enclosed response will be included in OL Application Amendment 48.

Very truly yours,

YANKEE ATOMIC ELECTRIC COMPANY



J. DeVincentis
Project Manager

ALL/fsf

cc: Atomic Safety and Licensing Board Service List

BOO!

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430.127
(9.5.8)

You state in Section 9.5.8.1 of the FSAR that the Diesel Generator Intake, Exhaust, and Crankcase Vacuum Systems are designed to ANSI B31.1 "Piping Code". The supports for the components and piping for this system are designed in accordance with Seismic Category I requirements. You also state that the components of the system located inside the Diesel Generator Building are protected from tornado and turbine missiles. Figures 1.2-36 and 9.5-9 show that the above systems are non-seismic, non-nuclear safety and the portions of the Diesel Engine Exhaust System and Crankcase Exhaust System external to the Diesel Generator Building are not being protected from tornado and turbine missiles. This is not acceptable. We require that the entire Diesel Generator Intake, Exhaust, and Crankcase Vacuum Systems be designed to Seismic Category I, ASME Section III, Class 3 (Quality Group C) requirements and be protected from tornado and turbine missiles. Comply with this position.

RESPONSE: The diesel generator air intake filters and exhaust silencers are not commercially available as ASME Section III, Class 3 design. All piping and components in the Intake, Exhaust, and Crankcase Vacuum Systems are designed to Seismic Category I requirements, and conform to Quality Group D requirements of Regulatory Guide 1.26. (See response to Question 430.76.) The Crankcase Exhaust System is desirable, but not essential for operation of the diesel generators.

As agreed upon in a meeting with the Power Systems Branch on June 17, 1982, the following additional information, relative to the piping NDE, and periodic visual inspections of flanged joints, is provided justifying ANSI B31.1 in lieu of ASME Section III, Class 3.

This piping is designed for shop fabrication of spool assemblies to minimize the field installation effort required. Flanged joints are utilized to facilitate fit-up, and reduce the number of field welded joints. The air intake lines have only one field weld, and the exhaust lines have only two field welds. The flanged joints in the exhaust piping will be visually inspected for leakage during periodic diesel generator testing.

The Nondestructive Examination (NDE) required for shop fabricated piping is as follows:

I. Diesel Engine Exhaust Piping

A. Minimum requirements per ANSI B31.1:

1. Longitudinal Butt welds -----radiograph & visual
2. Circumferential Butt welds -----radiograph & visual
3. Branch Piping Weld Joints -----radiograph & visual
4. Fillet, Socket Welds -----mag. particle & visual

ANSI B31.1 Standards describe radiography, magnetic particle and visual examinations and give acceptance standards for each.

B. Additional requirements:

1. Bolts, studs, nuts -----visual
2. Deposited weld metal as reinforcement -----visual

II. Diesel Engine Combustion Air Intake Piping

A. Minimum requirements per ANSI B31.1:

1. Longitudinal Buttwelds -----visual
2. Circumferential Buttwelds -----visual
3. Branch Piping Weld Joints -----visual
4. Fillet, Socket Welds -----visual

B. Additional requirements:

1. Bolts, studs, nuts -----visual
2. Deposited weld metal as reinforcement -----visual

NDE for field welding is to conform to the requirements of ANSI B31.1, and is the same as itemized in I.A and II.A above.