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10 CFR 20.1703(b)

April 10, 2015
NRC-15-0046

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555-0001

- References:
- 1) Fermi 2
NRC Docket No. 50-341
NRC License No. NPF-43
 - 2) DTE Electric Company, NRC-15-0019, "Request for Use of MURUROA Supplied Air Suits Models MTH2 & V4F1 and the MURUROA BLU Suit Systems," February 12, 2015 (ML15043A782)
 - 3) U.S. Nuclear Regulatory Commission, "Fermi 2- Supplemental Information Needed for Acceptance of Request for Use of MURUROA Supplied Air Suits Models MTH2 & V4F1 and the MURUROA BLU Suit Systems (TAC NO. MF5742)," March 30, 2015 (ML15084A069)

Subject: Response to NRC Request for Supplemental Information Needed for
Acceptance of Request for Use of MURUROA Supplied Air Suits

In Reference 2, DTE Electric Company (DTE) submitted a request for authorization for use of the MURUROA supplied air suits, Models MTH2 and V4F1, and the MURUROA BLU Suit Systems, which have not been tested or certified by the National Institute for Occupational Safety and Health (NIOSH). In Reference 3, the U.S. Nuclear Regulatory Commission (NRC) requested that DTE provide supplemental information needed to complete their acceptance review of the request. The enclosure to this letter provides the requested supplemental information.

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This letter contains no new commitments. Should you have any questions or require additional information, please contact Mr. Christopher Robinson, Licensing Manager at (734) 586-5076.

Sincerely,

A handwritten signature in black ink, appearing to read "Vito A. Kammh". The signature is fluid and cursive, with the first name "Vito" and last name "Kammh" clearly distinguishable.

Enclosure: Response to Request for Supplemental Information

cc: Director, Office of Nuclear Reactor Regulation
NRC Project Manager
NRC Resident Office
Reactor Projects Chief, Branch 5, Region III
Regional Administrator, Region III
Michigan Public Service Commission,
Regulated Energy Division (kindschl@michigan.gov)

Enclosure to NRC-15-0046

Response to Request for Supplemental Information

Response to Request for Supplemental Information

Background

On February 12, 2015, DTE Electric Company (DTE) submitted a request for authorization for use of the MURUROA supplied air suits, Models MTH2 and V4F1, and the MURUROA BLU Suit Systems, which have not been tested or certified by the National Institute for Occupational Safety and Health (NIOSH). On March 30, 2015, the U.S. Nuclear Regulatory Commission (NRC) requested that DTE provide additional information regarding the minimum supplied inlet air pressure to the MTH2 and V4F1 suits or revise the scope of the application regarding inlet air pressure to the suits. NRC requested that DTE “provide reliable test information that demonstrates that the MTH2 and V4F1 will provide adequate air pressure to the suits sufficient to meet the minimum air flow and [carbon dioxide] CO2 build up limits of the [European Union] EU certification standard” or “revise the scope of the application to be within the test data provided.”

Response

In accordance with NRC’s request, DTE is revising the scope of the application to be within the test data provided regarding inlet air pressure to the MTH2 and V4F1 suits. This change complies with the manufacturer’s instructions. This change will revise the first paragraph on Page 4 of Reference 2, Enclosure 1, Section 1.2.2 to state:

Air hoses of any length can be used, but air shall be supplied to the suits at 85 PSI (6 bar). A regulator at the inlet is used to adjust the airflow. To ensure user safety, the regulator cannot shut off the air supply. There are two patented exhaust valves on the back of the suit, one behind the neck and one at the lower back. The exhaust valves prevent any aspiration of contaminants if supplied air is lost.

The last paragraph in Reference 2, Enclosure 1, Section 1.2.4 on page 5 will be revised to state:

DTE will follow the manufacturer's instructions for use ensuring that the minimum operating air pressure and airflow is being supplied to the suit prior to working in them, specifically ensuring that the minimum pressure will be monitored during regular use. Air hoses of any length can be used, but air shall be supplied to the MURUROA MTH2 and V4F1 at 85 PSI (6 bar). A regulator at the inlet can adjust the air flow. To ensure user safety, the regulator cannot shut off the air supply. The maximum noise level is kept between 76 decibels (dB) at maximum air flow and 58 dB at minimum air flow.