

July 26, 2006

Mr. F. G. Burford  
Acting Director  
Nuclear Safety and Licensing  
Entergy Operations, Inc.  
1340 Echelon Parkway  
Jackson, MS 39213-8298

SUBJECT: ARKANSAS NUCLEAR ONE, UNIT 2 AND JAMES A. FITZPATRICK NUCLEAR POWER PLANT - REQUEST FOR THE USE OF DELTA PROTECTION'S SELF FED SINGLE USE "MURUROA BLU" SUIT SYSTEMS (TAC NOS. MD1822 AND MD1823)

Dear Mr. Burford:

By letter dated May 19, 2006 (Agencywide Documents and Access Management System (ADAMS) Accession No. ML061430015), as supplemented by letter dated July 13, 2006 (ADAMS Accession No. ML061980028), pursuant to Part 20 of Title 10 of the *Code of Federal Regulations* (10 CFR 20), Section 1703(b), Entergy Operations, Inc. and Entergy Nuclear Operating Inc., (Entergy or the licensee) requested the U.S. Nuclear Regulatory Commission's (NRC's) authorization for use of equipment that has not been tested or certified by National Institute for Occupational Safety and Health (NIOSH) for Arkansas Nuclear One, Unit 2 (ANO-2) and James A. Fitzpatrick Nuclear Power Plant (JAF).

Specifically, Entergy requested authorization to use the Delta Protection's Self Fed Single Use "Mururoa BLU" Suit Systems (hereafter referred to as the Delta BLU Suit), which are described in "Topical Report for Delta Protection Mururoa BLU Suit Systems," dated Thursday, October 27, 2005 (TR MURUBLU05NP), manufactured by Delta Protection, France, and previously reviewed and approved by the NRC by letter dated April 10, 2006 (ADAMS Accession No. ML060950499).

The NRC staff's safety evaluation (SE) for TR MURUBLU05NP, dated April 10, 2006, concluded the following:

Based on the NRC staff's review of the referenced TR, the NRC staff concludes that the use of the Mururoa BLU (PVC [polyvinyl chloride] or Ethyfuse) protective suit systems, consistent with the configuration and conditions of use noted above, is in accordance with the requirements of 10 CFR Part 20. Granting an approval for the use of these suits with an APF [assigned protection factor] of 2000, against airborne particulate contamination, will improve overall worker safety while working in high surface contaminated areas, and in high and potentially high airborne radioactivity areas, satisfies the 10 CFR Part 20 ALARA [as low as reasonably achievable] requirements, and is, therefore, acceptable.

Additionally, the NRC approval of TR MURUBLU05NP specified the "Approved Device Configuration and Conditions of Use," for the use of the Delta BLU Suits in Section 4.0 of the NRC staff's SE.

In its request, as supplemented, Entergy committed to use the Delta BLU Suits consistent with TR MURUBLU05NP as well as the "Approved Device Configuration and Conditions of Use," for the use of the Delta BLU Suits in Section 4.0 of the NRC staff's SE. Also, Entergy's request, as supplemented, did not request any exceptions from any of the restrictions with respect to the configurations and conditions of use of the Delta BLU Suits.

The NRC staff finds that the regulatory commitments made by the licensee in Attachment 1 to the supplemental letter dated July 13, 2006, are sufficient to ensure that the licensee will implement the use of this respiratory protective device, consistent with TR MURUBLU05NP, and within the NRC staff's SE dated April 10, 2006.

Therefore, based on the information provided in your request, as supplemented, and the above discussion, the NRC staff concludes that the licensee's request for the use of the Delta BLU Suits is acceptable for ANO-2 and JAF. The use of the Delta BLU Suits must be (1) consistent with TR MURUBLU05NP, with the APF value of 2,000 and (2) within the NRC staff's SE dated April 10, 2006.

Please contact me at (301) 415-1302, or Bhalchandra K. Vaidya at (301) 415-3308, if you have any questions on this matter.

Sincerely,

/RA/

David Terao, Chief  
Plant Licensing Branch IV  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-368 and 50-333

cc: See next page

Additionally, the NRC approval of TR MURUBLU05NP specified the "Approved Device Configuration and Conditions of Use," for the use of the Delta BLU Suits in Section 4.0 of the NRC staff's SE.

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Therefore, based on the information provided in your request, as supplemented, and the above discussion, the NRC staff concludes that the licensee's request for the use of the Delta BLU Suits is acceptable for ANO-2 and JAF. The use of the Delta BLU Suits must be (1) consistent with TR MURUBLU05NP, with the APF value of 2,000 and (2) within the NRC staff's SE dated April 10, 2006.

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**NRR-106**

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