

ATTACHMENT 4

**Calculation 51-2400547-00,
"Assessment of Winter Precipitation Loads at NEF for ISA and Design Basis"
(first 7 pages, including cover page)**

A**ENGINEERING INFORMATION RECORD****FRAMATOME ANP**Document Identifier 51 - 2400547 - 00Title Assessment of Winter Precipitation Loads at NEF for ISA and Design Basis**PREPARED BY:****REVIEWED BY:**Name George A. HarperName David M. PepeSignature *George A. Harper*Date 11/19/03Signature *David M. Pepe*Date 11/21/03Technical Manager Statement: Initials *GAH*

Reviewer is Independent.

Remarks:

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This Engineering Information Record assesses the potential effect from winter precipitation on structures that will comprise the National Enrichment Facility (NEF) in Lea County, New Mexico. The snow load external event portion of the Integrated Safety Analysis (ISA) is also documented. The design basis snow load for critical plant areas is also defined.

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Attachments

1. External Events ISA for NEF, ISA Team Meeting – 9/24/03
2. NRC Site Analysis Branch Position – Winter Precipitation Loads
3. American Society of Civil Engineers (ASCE), Minimum Design Loads for Buildings and Other Structures, ASCE 7-98, Revision of American National Standards Institute (ANSI)/ASCE 7-95, Figure 7-1
4. Hydrometeorological Report No. 33, Seasonal Variation of the Probable Maximum Precipitation East of the 105th Meridian for Areas from 10 to 1,000 Square Miles and Durations of 6, 12, 24 and 48 Hours, U.S. Department of Commerce Weather Bureau, April 1956
5. Soil Survey, Lea County, New Mexico, United States Department of Agriculture, Soil Conservation Service, Issued January 1974
6. Waste Isolation Pilot Plant (WIPP) Contact Handled (CH) Waste Safety Analysis Report, Department of Energy (DOE), DOE/WIPP 95-2065, Rev. 7, June 2003

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