

CLIENT: PFS LLC

CLIENT NO.: PFS-01

SNC NO.: PFS01-10.02.05

REVISION NO.: 0

DESIGN CALCULATION

FOR INFORMATION ONLY

TranStor™ Storage Cask Seismic Stability Analysis for PFS Site

NONPROPRIETARY

PREPARED BY

SIERRA NUCLEAR CORPORATION

APPROVED:

William McCauley
PROJECT MANAGER

DATE:

7/24/97

APPROVED:

Shah
ENGINEERING MANAGER

DATE:

7/24/97

9801230253 980115
PDR ADOCK 07200022
C PDR

SNC No: PFS01-10.02.05

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[illegible]

The attached calculation is based on the results of Ref. 1 and the conservative cask dimensions (diameter and c.g. location) of Ref. 2. The cask weight is not critical for this analysis since both tipover and restoring forces are proportional to weight). Therefore, a representative weight is used.

The analysis was performed based on the preliminary results of Ref. 1. The final Reference 1 employs slightly different soil properties. However, the output time history of Ref. 1 was compared to that used herein and the difference was found to be insignificant ($< 1\%$). Therefore, the results of this analysis are still valid.

REFERENCES

1. Calculation PFS01-10.02.04, Soil-Structure Interaction Analysis for Evaluation of TranStor™ Storage Cask Seismic Stability, Rev. 0.
2. Calculation TSL01-10.06.01, TranStor™ Storage System Weight and CG, Rev. 1.

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