

10/02/02<sup>53</sup>

SFPO Vulnerability Assessment Deliverables Roadmap

1. Large Plane analysis
  - a. 1 or 2 reports from SNL (spent fuel Transport and Storage only)
  - b. White paper Due to Commission by End CY 02 of detailing
    1. Work to-date
    2. Work to-do
    3. Results to-date
    4. Estimated completion Date
  - c. Commission Paper describing the final SNL report
2. Spent Fuel Storage report containing
  - a. Small Plane evaluation due November 02
  - b. Other threats on:
    1. HI-STORM due March 03
    2. NUHOMS 32P due April 03
    3. TN-68 due May 03
    4. VSC-24 due June 03
3. Spent Fuel Transport report containing:
  - a. Small Plane evaluation due February 03
  - b. Other threats on:
    1. NAC NLI ½ due July 03
    2. NAC UMS due August 03
4. Non-Spent Fuel Transport Report
  - a. Small Plane evaluation due Mid-March 03
  - b. Other threats on:
    1. A-0109 irradiator due March 03
    2. BUSS R-1 due April 03
    3. BW-2901 due May 03
    4. CI-20WC-2 due June 03
    5. CNS 1-13CII due July 03
    6. TRUPACT II due August 03

Portion of attachment- Ex 2

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# Vulnerability Study Report

## Table of Contents

1. Introduction/Background
2. <sup>Ex 2</sup>
  - a. Jetliner description
  - b. Jetliner Components
3. Structural Impacts
  - a. Packages
  - b. Impacts
    - i. HI-STORM
    - ii. NAC UMS
4. Thermal
5. Conclusions (if we have any and no breaches or)
5. Scenarios that Lead to Radioactive Release
  - a. Source Terms
  - b. Rod-to-Cask Release
  - c. Cask-to-Environment Transport/MELCOR
  - d. Consequences
6. Future Work

Portion Ex 2