



RESPONSE TO FREEDOM OF
INFORMATION ACT (FOIA) / PRIVACY
ACT (PA) REQUEST

2003-0184

4

RESPONSE TYPE FINAL PARTIAL

REQUESTER

Dianne R. Nielson

DATE NOV 19 2004

PART I. -- INFORMATION RELEASED

- No additional agency records subject to the request have been located.
- Requested records are available through another public distribution program. See Comments section.
- APPENDICES Agency records subject to the request that are identified in the listed appendices are already available for public inspection and copying at the NRC Public Document Room.
- APPENDICES Agency records subject to the request that are identified in the listed appendices are being made available for public inspection and copying at the NRC Public Document Room.
- Enclosed is information on how you may obtain access to and the charges for copying records located at the NRC Public Document Room, 2120 L Street, NW, Washington, DC.
- APPENDICES Agency records subject to the request are enclosed.
- Records subject to the request that contain information originated by or of interest to another Federal agency have been referred to that agency (see comments section) for a disclosure determination and direct response to you.
- We are continuing to process your request.
- See Comments.

PART I.A -- FEES

AMOUNT *
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- You will be billed by NRC for the amount listed. None. Minimum fee threshold not met.
- You will receive a refund for the amount listed. Fees waived.

* See comments for details

PART I.B -- INFORMATION NOT LOCATED OR WITHHELD FROM DISCLOSURE

- No agency records subject to the request have been located.
- Certain information in the requested records is being withheld from disclosure pursuant to the exemptions described in and for the reasons stated in Part II.
- This determination may be appealed within 30 days by writing to the FOIA/PA Officer, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001. Clearly state on the envelope and in the letter that it is a "FOIA/PA Appeal."

PART I.C COMMENTS (Use attached Comments continuation page if required)

SIGNATURE - FREEDOM OF INFORMATION ACT AND PRIVACY ACT OFFICER

Carol Ann Reed

PART II.A -- APPLICABLE EXEMPTIONS

APPENDICES
E

Records subject to the request that are described in the enclosed Appendices are being withheld in their entirety or in part under the Exemption No.(s) of the PA and/or the FOIA as indicated below (5 U.S.C. 552a and/or 5 U.S.C. 552(b)).

- Exemption 1: The withheld information is properly classified pursuant to Executive Order 12958.
- Exemption 2: The withheld information relates solely to the internal personnel rules and procedures of NRC.
- Exemption 3: The withheld information is specifically exempted from public disclosure by statute indicated.
 - Sections 141-145 of the Atomic Energy Act, which prohibits the disclosure of Restricted Data or Formerly Restricted Data (42 U.S.C. 2161-2165).
 - Section 147 of the Atomic Energy Act, which prohibits the disclosure of Unclassified Safeguards Information (42 U.S.C. 2167).
 - 41 U.S.C., Section 253(b), subsection (m)(1), prohibits the disclosure of contractor proposals in the possession and control of an executive agency to any person under section 552 of Title 5, U.S.C. (the FOIA), except when incorporated into the contract between the agency and the submitter of the proposal.
- Exemption 4: The withheld information is a trade secret or commercial or financial information that is being withheld for the reason(s) indicated.
 - The information is considered to be confidential business (proprietary) information.
 - The information is considered to be proprietary because it concerns a licensee's or applicant's physical protection or material control and accounting program for special nuclear material pursuant to 10 CFR 2.790(d)(1).
 - The information was submitted by a foreign source and received in confidence pursuant to 10 CFR 2.790(d)(2).
- Exemption 5: The withheld information consists of interagency or intraagency records that are not available through discovery during litigation. Applicable privileges:
 - Deliberative process: Disclosure of predecisional information would tend to inhibit the open and frank exchange of ideas essential to the deliberative process. Where records are withheld in their entirety, the facts are inextricably intertwined with the predecisional information. There also are no reasonably segregable factual portions because the release of the facts would permit an indirect inquiry into the predecisional process of the agency.
 - Attorney work-product privilege. (Documents prepared by an attorney in contemplation of litigation)
 - Attorney-client privilege. (Confidential communications between an attorney and his/her client)
- Exemption 6: The withheld information is exempted from public disclosure because its disclosure would result in a clearly unwarranted invasion of personal privacy.
- Exemption 7: The withheld information consists of records compiled for law enforcement purposes and is being withheld for the reason(s) indicated.
 - (A) Disclosure could reasonably be expected to interfere with an enforcement proceeding (e.g., it would reveal the scope, direction, and focus of enforcement efforts, and thus could possibly allow recipients to take action to shield potential wrongdoing or a violation of NRC requirements from investigators).
 - (C) Disclosure would constitute an unwarranted invasion of personal privacy.
 - (D) The information consists of names of individuals and other information the disclosure of which could reasonably be expected to reveal identities of confidential sources.
 - (E) Disclosure would reveal techniques and procedures for law enforcement investigations or prosecutions, or guidelines that could reasonably be expected to risk circumvention of the law.
 - (F) Disclosure could reasonably be expected to endanger the life or physical safety of an individual.
- OTHER (Specify)
 *Information withheld under the "high 2" aspect of EX. 2 - vulnerability assessments and Homeland Security Information.

PART II.B -- DENYING OFFICIALS

Pursuant to 10 CFR 9.25(g), 9.25(h), and/or 9.65(b) of the U.S. Nuclear Regulatory Commission regulations, it has been determined that the information withheld is exempt from production or disclosure, and that its production or disclosure is contrary to the public interest. The person responsible for the denial are those officials identified below as denying officials and the FOIA/PA Officer for any denials that may be appealed to the Executive Director for Operations (EDO).

DENYING OFFICIAL	TITLE/OFFICE	RECORDS DENIED	APPELLATE OFFICIAL		
			EDO	SECY	IG
Jack Strosnider	Director, Office of Nuclear Material Safety and Safeguards	Appendix E	✓		

Appeal must be made in writing within 30 days of receipt of this response. Appeals should be mailed to the FOIA/Privacy Act Officer, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, for action by the appropriate appellate official(s). You should clearly state on the envelope and letter that it is a "FOIA/PA Appeal."

**APPENDIX E
RECORDS BEING WITHHELD IN PART**

<u>NO.</u>	<u>DATE</u>	<u>DESCRIPTION/(PAGE COUNT)/EXEMPTIONS</u>
1.	4/79-2/89	767-300ER (extended range) mass properties data (15) - EXEMPTION 2 (Homeland Security Information - HSI)
2.	1/04/02	Project Matrix (1) EXEMPTION 2 (HSI)
3.	1/07/02	DOE Source Selection Justification (1) EXEMPTION 2 (HSI)
4.	1/10/02	K/C/E/P/T, Sequence (1) EXEMPTION 2 (HSI)
5.	1/10/02	Email from Guttman to Bajwa, Cook, Erwin, Huang, Guttman, Myers, Shah, Shewmaker, Tokar and Young, Re: Meeting on Sabotage Program Plan (2) EXEMPTION 2 (HSI)
6.	1/16/02	List of Tasks and Draft SNL Contract (9) EXEMPTION 2 (HSI)
7.	1/23/02	Elements of Vulnerability Assessment for Spent Fuel Dry Storage (8) EXEMPTION 2 (HSI)
8.	1/23/02	Draft Section 4.0 of SNL Contract (6) EXEMPTION 2 (HSI)
9.	1/25/02	Outline for Report on Vulnerability Assessment for Spent Fuel Dry Storage (1) EXEMPTION 2 (HSI)
10.	1/29/02	Email from Guttman to Bajwa, Erwin, Shah, Shewmaker, Withee, Re: Program Plan (2) EXEMPTION 2 (HSI)
11.	1/31/02	Outline for Report on Vulnerability Assessment for Spent Fuel Dry Storage(1) EXEMPTION 2 (HSI)
12.	1/31/02	Email from Sprung to Guttman, Re: Preliminary Milestone Chart (3) EXEMPTION 2 (HSI)
13.	2/04/02	Slides (7) EXEMPTION 2 (HSI)
14.	2/05/02	Elements of Vulnerability Assessment (7) EXEMPTION 2 (HSI)
15.	2/12/02	Draft Program Plan for Vulnerability Assessment for Spent Fuel Dry Storage (6) EXEMPTION 2 (HSI)
16.	2/13/02	Storage Program Plan (1) EXEMPTION 2 (HSI)
17.	2/26/02	Slides -Spent Fuel Dry Storage Terrorist Event Assessment Plan (4) EXEMPTION 2 (HSI)
18.	2/28/02	Email from Sprung to White, Re: Draft NRC Cask Sabotage Study Proposal (3) EXEMPTION 2 (HSI)

<u>NO.</u>	<u>DATE</u>	<u>DESCRIPTION/(PAGE COUNT)/EXEMPTIONS</u>
19.	3/04/02	Work to be Performed and Expected Results (11) EXEMPTION 2 (HSI)
20.	4/02	Monthly Letter Status Report (4) EXEMPTION 2 (HSI)
21.	5/03/02	Letter from Smith, Sandia National Laboratories, to Shah, Re: SNL approach to task 1.1a (6) EXEMPTION 2 (HSI)
22.	5/16/02	Draft input roadmap from Shewmaker (2) EXEMPTION 2 (HSI)
23.	5/22/02	Email from Guttman to Sorensen, Re: Fwd: Crash (2) EXEMPTION 2 (HSI)
24.	5/23/02	Work to be performed and expected results (12) EXEMPTION 2 (HSI)
25.	5/24/02	Chart: Reactor Fuel Dry Storage (1) EXEMPTION 2 (HSI)
26.	6/02/02	Project deliverables chart (5) EXEMPTION 2 (HSI)
27.	6/10/02	NRC/SNL meeting Summary with notes (1) EXEMPTION 2 (HSI)
28.	6/10/02	Two versions of Technical Meeting with Sandia National Laboratory Notes (2) EXEMPTION 2 (HSI)
29	6/18/02	Slides (14) EXEMPTION 2 (HSI)
30.	8/02	Status of Dry Spent Fuel Storage Vulnerability Assessment (9) EXEMPTION 2 (HSI)
31.	7/08/02	Status by Task: Task 1 (13) OUO EXEMPTION 2 (HSI)
32.	7/15/02	Monthly Letter Status Report for June 2002 (4) OUO EXEMPTION 2 (HSI)
33.	7/25/02	Table - Due Dates for Sandia Vulnerability Studies (1) EXEMPTION 2 (HSI)
34.	8/01/02	Vulnerability Tasks Status Table (1) EXEMPTION 2 (HSI)
35.	8/05/02	Email from Smith to Shah, Re: Material models for CTH and Pronto and Status of Boeing contract (2) EXEMPTION 2 (HSI)
36.	8/9/02	Email from Guttman to Shah, Re: Material Models (1) EXEMPTION 2 (HSI)

<u>NO.</u>	<u>DATE</u>	<u>DESCRIPTION/(PAGE COUNT)/EXEMPTIONS</u>
37.	8/14/02	Slides: Impact Calculations (34) EXEMPTION 2 (HSI)
38.	8/21/02	Email from Smith to Shah, Re: Aircraft analysis assumptions (2) EXEMPTION 2 (HSI)
39.	8/22/03	Vulnerability Assessment for Transportation & Storage of Radioactive Materials (4) EXEMPTION 2 (HSI)
40.	8/27/02	Email from Shah to White, Huang, Shewmaker, Kenneally and Parkhill, Re: FWD: NRC Vulnerability Project (3) EXEMPTION 2 (HSI)
41.	9/3/02	Email from Smith to Shah, Re: Re: Material Properties in the Greg Bessette analyses (10) EXEMPTION 2 (HSI)
42.	9/26/02	Email from Shah to White, Huang, Shewmaker, Parkhill, Re: Contingency Plan ... (1) EXEMPTION 2 (HSI)
43.	9/30/02	Vulnerability Study Report, Table of Contents (1) EXEMPTION 2 (HSI)
44.	9/30/02	Comments on the SNL Outline (1) EXEMPTION 2 (HSI)
45.	10/2/02	Vulnerability Assessment Deliverables Roadmap (2) EXEMPTION 2 (HSI)
46.	10/7/02	Info Item: GAO Audit and Technical Meeting with Sandia National Laboratory on Vulnerability Analyses ... (1) EXEMPTION 2 (HSI)
47.	10/11/02	Email from Shah to Bessette, Re: Duration of CTH runs (1) EXEMPTION 2 (HSI)
48.	10/16/02	Email from Shah to White, Huang, Shewmaker, Parkhill and Ali, Re: Boeing Tel-con (2) EXEMPTION 2 (HSI)
49.	10/17/02	Email from Ammerman to Shah, Re: Boeing Aircraft Contract (2) EXEMPTION 2 (HSI)
50.	10/21/02	Email from Shah to White, Huang, Shewmaker, and Parkhill, Re: OUO Comments - Sandia Report (6) EXEMPTION 2 (HSI)
51.	10/23/02	Email from Shah to White, Huang, Shewmaker, and Parkhill, Re: OUO Comments on Chapters 1, 2, and 5 of Sandia Report (8) OUO EXEMPTION 2 (HSI)
52.	10/23/02	Email Shah to White, Huang, Shewmaker, and Parkhill, Re: Fwd: Cask exit velocity (5) EXEMPTION 2 (HSI)
53.	10/25/02	Email from Sprung to White, Re: Phone topic writeups (2) EXEMPTION 2 (HSI)

<u>NO.</u>	<u>DATE</u>	<u>DESCRIPTION/(PAGE COUNT)/EXEMPTIONS</u>
54.	10/28/02	Email Ammerman to Shah, Re: Cask exit velocity (2) EXEMPTION 2 (HSI)
55.	11/5/02	M. Shah White Paper, Section 3.0 Structural Evaluation (4) EXEMPTION 2 (HSI)
56.	11/5/02	Section 3.0 of the Paper, by Shah, Draft, (5) EXEMPTION 2 (HSI)
57.	11/7/02	M. Shah, Draft Section 3.0 Structural Evaluation (5) EXEMPTION 2 (HSI)
58.	11/7/02	M. Shah, Section 2.0 Plane Impact Scenarios (3) EXEMPTION 2 (HSI)
59.	1/7/02	R. Shewmaker, Section 2.0 Plane Impact Scenarios (2) EXEMPTION 2 (HSI)
60.	11/7/02	Section 2.0 Jetliner Crash (2) EXEMPTION 2 (HSI)
61.	11/7/02	Email from Shah to Dias, White, Interrante, Bajwa, Huang, Keegan, Shewmaker, Parkhill and Bush-Goddard, Re: Next draft from SNL on large plane evaluation (1) EXEMPTION 2 (HSI)
62.	11/08/02	Chart - SFPO Relevant Vulnerability Assessment Threat Characteristics (1) EXEMPTION 2 (HSI)
63.	11/21/02	Email from Shah to Dias, White, Interrante, Bajwa, Huang, Keegan, Shewmaker, Parkhill and Bush-Goddard, Re: For the structural calculations (1) EXEMPTION 2 (HSI)
64.	11/22/02	Vulnerability Study Status Report (1) EXEMPTION 2 (HSI)
65.	11/26/02	Charts: Ongoing NMSS Assessments to be Integrated and NMSS Progress to Date (2) EXEMPTION 2 (HSI)
66.	2/04/02	Email from Shah to White, Re: Analysis Sequence for each Sabotage Scenario (1) EXEMPTION 2 (HSI)
67.	12/6/02	Email from Sprung to White," Re: RAM Package Vulnerability Study weekly email report (1) EXEMPTION 2 (HSI)
68.	12/11/02	Program plan for the Vulnerability Assessment of Spent Fuel Storage Systems (2) EXEMPTION 2 (HSI)
69.	12/18/02	Chart - Structural Approach (with notes) (1) EXEMPTION 2 (HSI)
70.	12/19/02	Email from Smith to Shah, Re: Porous Aluminum model (2) EXEMPTION 2 (HSI)

<u>NO.</u>	<u>DATE</u>	<u>DESCRIPTION/(PAGE COUNT)/EXEMPTIONS</u>
71.	12/20/02	Email from White to "Plane" (Groupwise group) Re: Fwd: SNL Plans for resolving the HI-STORM issue (5) EXEMPTION 2 (HSI)
72.	12/20/02	Email from Hodges to White and Sprung, Re: SNL Plans for resolving the HI-STORM issue (1) EXEMPTION 2 (HSI)
73.	12/20/02	Email from Sprung to White, Re: RAM Package Vulnerability Study weekly email report for week of 12/12/02 (1) EXEMPTION 2 (HSI)
74.	12/20/02	Email from Shah to White, Parkhill, Re: SNL plans for resolving the HI-STORM issue (1) EXEMPTION 2 (HSI)
75.	12/26/02	Section 4.0 of Proposed Contract (6) EXEMPTION 2 (HSI)
76.	01/02/03	Waste Commission brief summary table, Shah (1) EXEMPTION 2 (HSI)
77.	1/02/03	Waste Commission brief summary table, Dias (1) EXEMPTION 2 (HSI)
78.	1/06/03	Chart - SFPO Progress To-Date (1) EXEMPTION 2 (HSI)
79.	1/09/03	Vulnerability Assessment Activities - Matrix, Shewmaker (1) EXEMPTION 2 (HSI)
80.	1/10/03	Email from Huang to Giantelli, Dias, White, Interrante, Bajwa, Keegan, Shah, Shewmaker, Parkhill, Bush-Goddard, Re: Unperformed calculations (1) EXEMPTION 2 (HSI)
81.	1/10/03	Email from Shah to Giantelli, Dias, White, Interrante, Bajwa, Huang, Keegan, Shewmaker, Parkhill, Bush-Goddard, Re: Unperformed calculations (2) EXEMPTION 2 (HSI)
82.	1/10/03	Email from Shah to White, Re: SNL Contact (1) EXEMPTION 2 (HSI)
83.	1/13/03	Email from White to Hodges and "plane" (Groupwise group), Re: Summary of conference call with Sandia (1) EXEMPTION 2 (HSI)
84.	1/14/03	Email from White to Giantelli, Dias, Interrante, Bajwa, Huang, Keegan, Guttman, Shah, Shewmaker, Parkhill and Bush-Goddard, Re: Unperformed calculations (1) EXEMPTION 2 (HSI)
85.	1/15/03	Email from Shah to Guttman, Re: Cask Layout Issues (2) EXEMPTION 2 (HSI)
86.	1/15/03	Email from White to Shah and Smith, Re: Cask Layout Issues (2) EXEMPTION 2 (HSI)

<u>NO.</u>	<u>DATE</u>	<u>DESCRIPTION/(PAGE COUNT)/EXEMPTIONS</u>
87.	1/20/03	Email from Sprung to White and Parkhill Re: RAM Package Vulnerability Study Weekly Email Report for week ending 1/16/03 (1) EXEMPTION 2 (HSI)
88.	1/21/03	Email from Shah to Dias, Bajwa, Huang and Parkhill, Re: RAM Package Vulnerability Study weekly email report (1) EXEMPTION 2 (HSI)
89.	1/27/03	Email from Shah to Giantelli, Huang, Shah, Shewmaker, Parkhill, Re: Fwd: RAM Package Vulnerability Study weekly email report (1) EXEMPTION 2 (HSI)
90.	1/31/03	Email from Smith to White and Shah, Re: Summary Table Analyses (1) EXEMPTION 2 (HSI)
91.	2/3/03	Email from Parkhill to White, Rre: Bullet Summary to Bernie on SNL Trip (1) EXEMPTION 2 (HSI)
92.	2/3/03	Email from Shewmaker to White, Re: Trip Bullets (1) EXEMPTION 2 (HSI)
93.	2/4/03	Email from Sorensen to White Re: phone conversation (1) EXEMPTION 2 (HSI)
94.	2/4/03	Memo from Smith to White Re: Analyses Conducted for Vulnerability Study (12) EXEMPTION 2 (HSI)
95.	2/5/03	Email from Parkhill to Giantelli, Dias, White Interrante, Bajwa, Huang, Keegan Shah, Shewmaker and Bush-Goddard Re: Fwd: Sandia's Proposed Path Forward (1) EXEMPTION 2 (HSI)
96.	2/10/03	Email from Smith to Shah Re: Comments on Ken's e-mail and Jeff's Fax (3) EXEMPTION 2 (HSI)
97.	02/11/03	Email from Sprung to White, Re: RAM Package Vulnerability Study weekly email report for week ending 2/7/03 (1) EXEMPTION 2 (HSI)
98.	2/11/03	Memo from Smith to White Re: Analyses Conducted for Vulnerability Study (12) EXEMPTION 2 (HSI)
99.	2/13/03	Email from White to Shewmaker, Re: Trip Bullets (2) EXEMPTION 2 (HSI)
100.	2/13/03	Email from Parkhill to White, Re: Fwd: Action for SNL to complete (1) EXEMPTION 2 (HSI)
101.	2/13/03	Monthly Letter Status Report for January 2003 (5) EXEMPTION 2 (HSI)

<u>NO.</u>	<u>DATE</u>	<u>DESCRIPTION/(PAGE COUNT)/EXEMPTIONS</u>
102.	2/14/03	Email from Sorensen to White, Re: Our HI-STORM large plane discussion yesterday (3) EXEMPTION 2 (HSI)
103.	2/15/03	Email from Sprung to White, Re: RAM Package Vulnerability Study weekly email report for week ending 2/14/03 (1) EXEMPTION 2 (HSI)
104.	2/18/03	Email from Smith to White Re: Executive Summary (10) EXEMPTION 2 (HSI)
105.	2/19/03	Email from Guttman to Shewmaker, Re: SNL Report (1) EXEMPTION 2 (HSI)
106.	2/20/03	Report, "Structural Analysis Approach for the Examination of..." (4) EXEMPTION 2 (HSI)
107.	2/20/03	Email from Shah to White, Huang, Shewmaker, and Parkhill, Re: Small Plane evaluation for vulnerability analyses (1) EXEMPTION 2 (HSI)
108.	2/20/03	Email from Shah to Huang, Shewmaker, and Parkhill, Re: Aircraft analysis (1) EXEMPTION 2 (HSI)
109.	2/23/03	Email from Sprung to White, Re: RAM Package Vulnerability Study weekly email report for week ending 2/21/03 (1) EXEMPTION 2 (HSI)
110.	2/26/03	Comments by NRC Staff on the Executive Summary (10) EXEMPTION 2 (HSI)
111.	02/27/03	Note to Jerry re: Initial comments on revised contract. 1 page EXEMPTION 2 HSI
112.	Undated	3.0 Purpose (6) EXEMPTION 2 (HSI)
113.	Undated	3.0 Purpose Markup (5) EXEMPTION 2 (HSI)
114.	Undated	Task Matrix (2) EXEMPTION 2 (HSI)
115.	Undated	1.0 Introduction (9) EXEMPTION 2 (HSI)
116.	Undated	2.0 Jetliner Crash (9) EXEMPTION 2 (HSI)
117.	Undated	Slides: SNL Contract Tasks (5) EXEMPTION 2 (HSI)
118.	Undated	Slides: SNL Contract tasks w/notes (7) EXEMPTION 2 (HSI)
119.	Undated	Program Plan for Vulnerability Assessment for Spent Fuel Dry Storage (2) EXEMPTION 2 (HSI)
120.	Undated	Chart: Remaining Structural Tasks (1) EXEMPTION 2 (HSI)
121.	Undated	Report Outline (1) EXEMPTION 2 (HSI)

<u>NO.</u>	<u>DATE</u>	<u>DESCRIPTION/(PAGE COUNT)EXEMPTIONS</u>
122.	Undated	Report Outline - White (2) EXEMPTION 2 (HSI)
123.	Undated	Analysis of a terrorist attack on a spent fuel cask has several steps (1) EXEMPTION 2 (HSI)
124.	Undated	Spent Fuel Storage matrix (1) EXEMPTION 2 (HSI)
125.	Undated	Vulnerability Assessment Activities Matrix (1) EXEMPTION 2 (HSI)
126.	Undated	SFPO Progress to date (1) EXEMPTION 2 (HSI)
127.	Undated	Spent Fuel Casks/Other RAM Transport Packages Matrix (1) EXEMPTION 2 (HSI)
128.	Undated	Task Timeline (2) EXEMPTION 2 (HSI)
129.	Undated	Task 1, Subtask 1.1 Assignments with deliverable dates (6) EXEMPTION 2 (HSI)
130.	Undated	Work to be Performed and Expected Results (10) EXEMPTION 2 (HSI)
131.	Undated	Threats/Scenarios (6) EXEMPTION 2 (HSI)