



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

2003-0184

1

RESPONSE TYPE FINAL PARTIAL

REQUESTER

Dianne R. Nielson

DATE

FEB 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 B** 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 A** 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 A** 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 *
\$

- 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)

The records identified on enclosed Appendix B are already publicly available in the NRC Public Document Room (PDR). We have enclosed a notice which provides procedures for obtaining records from the PDR. The records are also available in the electronic public reading room at <http://www.nrc.gov/reading-rm/adams.html>. If you need assistance in obtaining records from the PDR or reviewing records in the electronic public reading room, please contact the PDR on (301) 415-4737, or toll free at (800) 397-4209.

SIGNATURE - FREEDOM OF INFORMATION ACT AND PRIVACY ACT OFFICER

Carol Ann Reed

APPENDIX A
 RECORDS BEING RELEASED IN THEIR ENTIRETY
 (If copyrighted identify with *)

<u>NO.</u>	<u>DATE</u>	<u>DESCRIPTION/(PAGE COUNT)</u>
1.	10/96	Public Report from Department of Energy, "Accident Analysis for Aircraft Crash into Hazardous Facilities," (170)
2.	1/23/97	Public Report from Department of Energy's Lawrence Livermore National Laboratory, "Structures, Systems, and Components Evaluation Technical Support Document - DOE Standard, Accident Analysis for Aircraft Crash into Hazardous Facilities," (157) (164?)
3.	10/27/98	Article, "Accident Analysis for Continued Storage" by P. R. Davis, D. L. Strenge and J. Mishima. 5 pages
4.	10/25/99	Calculation Title Page on "Velocities Need for F-16 Jet Engine to Penetrate Canister Transfer Building and Sides of Spent Fuel Storage Casks." 14 pages
5.	12/27/00	Calculation Title Page on "Velocity Needed for Postulated General Aviation Aircraft Engine to Penetrate the Side of a Hi-Storm Storage Cask." (10 pages
6.	Undated	Article: "Clarification regarding Impact of Canister Building Design Changes on Air Crash Hazard." 4 pages
7.	Undated	Handwritten Notes , Re: General Comments on 10/6/01 report
8.	1/8/02	Email from Jack Guttman to Daniel Dorman, Elise Heumann, Wayne Hodges, Daniel Huang, KBSoren, Penelope Kinney, Karen Long, Michael Mayfield, Mahendra Shah, Robert Shewmaker, Re: Meeting with Boeing - Contract for 767 Structural Model. 1 page
9.	1/17/02	Transcript of Press Conference of NRC Chairman Richard Meserve before the National Press Club, Washington, DC (11)
10.	1/22/02	Email from Robert Shewmaker to RTA/SFPO Support Group (Bernard White, Carl Withee, Henry Lee, Jack Guttman, Mahendra Shah, Ron Parkhill, Christopher Bajwa, Kenneth Erwin, Makuteswara Srinivasan, Re: Information for review and comment, with attachments. (5)
11.	1/23/02	Email from Adelaide Giantelli to Robert Shewmaker, Re: Information for review and comment (1)

12. 1/23/03 **Email from Robert Shewmaker to RTA/SFPO Support (see #6 for names), Re: Mtg today (wed, 1/23/02) (3)**
13. 1/28/02 **Email from Steven Baggett to Robert Shewmaker, Re: Draft for spent fuel storage vulnerability (1)**
14. 1/28/02 **Email from Christopher Bajwa to Robert Shewmaker, Re: Draft for spent fuel storage vulnerability (1)**
15. 1/29/02 **Email from Jack Guttman to Robert Shewmaker, Re: Example table for vulnerability rating (2)**
16. 1/31/02 **Email from Christopher Bajwa to Bernard White, Robert Shewmaker, Ron Parkhill, Re: Analysis models for vulnerability study (1)**
17. 2/5/02 **Email from Christopher Bajwa to Robert Shewmaker, Re: Wednesday's presentation (1)**

18. 2/5/02 **Email from Robert Shewmaker to Jack Guttman, Re: Wednesday's presentation (1)**
19. 2/7/02 **Email from Henry Lee to Carl Withee, Robert Shewmaker, Steven Baggett, Re: Guttman meg with spent fuel storage group (1)**
20. 2/11/02 **Email from Henry Lee to Daniel Huang, David Tang, Kazimieras Campe, Li Yang, Mahendra Shah, Robert Shewmaker, Re: Structural group vulnerability assessment meeting (4)**
21. 2/21/02 **Email from Rebecca Karas to Daniel Huang, David Tang, Earl Easton, Henry Lee, Jack Guttman, K.C. Leu, Kazimieras Campe, Li Yang, Wayne Hodges, Mahendra Shah, Rebecca Karas, Robert Shewmaker , Re: Meeting with NAC on airplane crash into UMS cask, with attachment (2)**
22. 4/17/02 **Email from Mahendra Shah to Barbara Jo White, Jack Guttman, Robert Shewmaker, Ron Parkhill, Re: Contract with Boeing (forwarded email) (2)**
23. 6/20/02 **Email from Earl Easton to William Brach, Re: Outline (1)**
24. 6/21/02 **Email from Jack Guttman to Frederick Sturz, Re: Outline (1)**
25. 7/31/02 **Email from Bernard White to Christopher Bajwa, Charles Interrante, Daniel Huang, Mahendra Shaw, Ron Parkhill, Robert Shewmaker, Stephanie Bush-Goddard, Re: Tentative Agenda is attached (1)**
26. 8/1/02 **Email from Bernard White to Charles Interrante, Christopher Bajwa, Daniel Huang, Mahendra Shah, Robert Shewmaker, Ron Parkhill, Stephanie Bush-Goddard, "Re: Fwd: Tentative Agenda is attached (1)**
27. 8/1/02 **Email from Bernard White to Jeremy Sprung, Re: Tentative agenda is attached (3)**

28. 8/5/02 **Email from Mahendra Shah to Bernard White, Charles Interrante, Christopher Bajwa, Daniel Huang, Robert Shewmaker, Ron Parkhill, Stephanie Bush-Goddard, Re: Alternative two-day agenda(1)**
29. 8/5/02 **Email from Jeremy Sprung to Jeffrey Smith, Douglas Ammerman, Carlos Lopez, Gregory Bessette, Kenneth Gwinn, Marlin Kipp, Victor Figueroa, Ronald Dykhuizen, Salvador Rodriguez, Randall Gauntt, Richard Yoshimura, Robert Luna, Robert Kalan, William Erikson, Manuel Vigil, David Chanin, Charles Morrow, Re: NRC Vulnerability Study Aug 14-14 Review Meeting Agenda (3)**
30. 8/7/02 **Email from Mahendra Shah to Bernard White, Charles Interrante, Christopher Bajwa, Daniel Huang, Robert Shewmaker, Ron Parkhill, Stephanie Bush-Goddard, Re: Fwd: NRC Vulnerability Study Aug 14-15 Review Meeting Agenda (1)**
31. 8/21/02 **Email from Jeffrey Smith to Mahendra Shah, Re: Aircraft analyses assumptions (1)**
32. 8/29/02 **Email from Mahendra Shah to Bernard White, Daniel Huang, Robert Shewmaker, Re: Fwd: Q&As on NEI Release (1)**
33. 8/29/02 **Email from Mahendra Shah to Ann Ramey-Smith, Bernard White, Bret Tegeler, Charles Interrante, Charles Tinkler, Christopher Bajwa, Daniel Huang, Eric Thornbury, Jason Schaperow, Jocelyn Mitchess, Mahendra Shah, Nathan Siu, Robert Shewmaker, Roger Kenneally, Ron Parkhill, Stephanie Bush-Goddard, Re: Information Exchange - Sandia work - Vulnerability Assessment (1)**
34. 8/29/02 **Email from Daniel Huang to Bernard White, Charles Interrante, Christopher Bajwa, Elaine Keegan, Mahendra Shah, Robert Shewmaker, Ron Parkhill, Stephanie Bush-Goddard, Re: Fwd: Outline of 093002 report (1)**
35. 8/29/02 **Email from Jeffrey Smith to Bernard White, Re: Outline of 093002 report**
36. 9/3/02 **Email from Mahendra Shah to Bernard White, Charles Interrante, Christopher Bajwa, Daniel Huang, Elaine Keegan, Robert Shewmaker, Ron Parkhill, Stephanie Bush-Goddard, Re: Outline of Sept 30th report from SNL (1)**
37. 9/3/02 **Email from Ron Parkhill to Bernard White, Charles Interrante, Christopher Bajwa, Daniel Huang, Elaine Keegan, Mahendra Shah, Robert Shewmaker, Stephanie Bush-Goddard, Re: Outline of Sept 30th report from SNL (1)**
38. 9/12/02 **Email from Daniel Huang to Bernard White, Charles Interrante, Christopher Bajwa, Elaine Keegan, Mahendra Shah, Robert Shewmaker,**

- Ron Parkhill, Stephanie Bush-Goddard Re: Fwd: Outline of 093002 report (1)
39. 9/12/02 Email from Robert Shewmaker to Bernard White, Re: Fwd: Outline of 093002 report, (1)
40. 9/19/02 Email from Robert Shewmaker to Bernard White, Re: Could we move the meeting up from 3 pm to 2 pm? (1)
41. 9/26/02 Email from Robert Shewmaker to Bernard White, Daniel Huang, Mahendra Shah, Ron Parkhill, Re: Purdue Pentagon team on Boeing, (1)
42. 10/2/02 Email from Bernard White to "plane" working group, Re: Proposed outline for white paper (1)
43. 10/16/02 Email from Mahendra Shah to Bret Tegeler, Roger Kenneally, Re: Call with Boeing (1)
44. 10/17/02 Email from Mahendra Shah to Doug Ammerman, Re: Reference for impact test data (1)
45. 10/24/02 Email from Robert Shewmaker to Mahendra Shah, Re: Meeting and call to Sandia (1)
46. 10/25/02 Email from Mahendra Shah to Ann Ramey-Smith, Re: Sandia draft report on ISFSI - Jetliner impact analyses (1)
47. 11/7/02 Email from Ron Parkhill to Mahendra Shah, Re: Boeing subcontract. (1)
48. 11/14/02 Email from Robert Shewmaker to Bernard White, Re: White plane paper (1)
49. 11/19/02 Email from Robert Shewmaker to Bernard White, Re: Mark up of white paper draft #2 (1)
50. 11/21/02 Email from Bernard White to "plane" working group, Re: for the structural calculations (1)
51. 11/25/02 Email from Bernard White to Antonio Dias, Charles Interrante, Christopher Bajwa, Daniel Huang, Elaine Keegan, Mahendra Shaw, Robert Shewmaker, Ron Parkhill, Stephanie Bush-Goddard, Re: Rev 2 white paper (1)
52. 11/25/02 Email from Christopher Bajwa to Bernard White, Earl Easton, Jack Guttman, Wayne Hodges, Re: Revision 3 of the white paper (1)
53. 12/16/02 Email from Robert Shewmaker to Jack Guttman Re: SFPO input to Rosano on Markey (2)

54. 12/16/02 **Email from Jack Guttman to Mahendra Shah, Re: Change to meeting location (2)**
55. 12/18/02 **Email from Mahendra Shah to Adelaide Giantelli, Daniel Huang, Elaine Keegan, Robert Shewmaker, Ron Parkhill, Re: Telephone call with Sandia on Vulnerability (1)**
56. 12/18/02 **Email from Mahendra Shah to Daniel Huang, Elaine Keegan, Robert Shewmaker, Ron Parkhill, Re: Aircraft studies and analysis (2)**
57. 12/19/02 **Email from Jeffrey Smith to Mahendra Shah, Re: Fwd: Pentagon Report (3)**
58. 12/23/02 **Email from Wayne Hodges to Bernard White, Daniel Huang, David Tang, Earl Easton, Gordon Bjorkman, Henry Lee, Jack Guttman, Mahendra Shah, Robert Shewmaker, Re: NEI news release and EPRI analysis (1)**
59. 1/9/03 **Email from Bernard White to Earl Easton, Jack Guttman, Wayne Hodges, Ron Parkhill, Mahendra Shah, Robert Shewmaker, Re: Fwd: Re: Next meeting of VAC scheduled Feb. 9 (1)**
60. 1/10/03 **Email from Daniel Huang to Adelaide Giantelli, Antonio Dias, Bernard White, Charles Interrante, Christopher Bajwa, Elaine Keegan, Mahendra Shah, Robert Shewmaker, Ron Parkhill, Stephanie Bush-Goddard, Re: Fwd: Re, Fwd, Phone call tomorrow (1)**
61. 1/10/03 **Email from Bernard White to "plane" working group, Re: Fwd: Re: Fwd: Phone call tomorrow (3)**
62. 1/10/03 **Email from Mahendra Shah to Bernard White, Daniel Huang, Robert Shewmaker, Ron Parkhill, Re: Fwd: Re: CTH movies (2)**
63. 1/13/03 **Email from Bernard White to "plane" working group, Re: phone call with SNL to discuss impact analysis (1)**
64. 1/13/03 **Email from Bernard White to Ann Ramey-Smith, Daniel Dorman, Eric Thornsby, Tomoko Jensen-Otsu, Re: Slides and talking points for NEI meeting (1)**
65. 1/13/03 **Email from Bernard White to William Brach and "plane" working group, Re: Fwd: RIVA guidance document (1)**
66. 2/3/03 **Email from Bernard White to Earl Easton, Re: Fwd: Draft vulnerability assessment Team (VAT) retreat agenda (1)**
67. 2/3/03 **Email from Bernard White to Antonio Dias, Charles Interrante, Christopher Bajwa, Jack Guttman, Mahendra Shah, Robert Shewmaker, Ron Parkhill, Stephanie Bush-Goddard, Re: Bullet Summard to Bernie on SNL Trip (1)**

68. 2/3/03 **Email from Bernard White to "plane" working group Re: copies of information from out discussion Wed afternoon (1)**
69. 2/10/03 **Email from Bernard White to "plane", Re: Fwd: Guidance on vulnerability assessments (1)**
70. 2/12/03 **Email from Steven Baggett to Catherine Poland, Re: Upcoming items for EDO and/or OCM from 2/10/03 - 3/21/03. (1)**
71. 2/20/03 **Email from Bernard White to Daniel Huang, Mahendra Shah, Robert Shewmaker, Ron Parkhill, Re: Fwd: Approach document (1)**
72. 2/21/03 **Email from Bernard White to "plane" Re: Any comments on (1)**
73. 2/24/03 **Email from Wayne Hodges to Bernard White, Earl Easton, Jack Guttman, Robert Shewmaker, Re: Fwd: FYI - Spent fuel pool consequences report (1)**
74. 2/24/03 **Email from Bernard White to Adelaide Giantelli, Antonio Dias, Charles Interrante, Christopher Bajwa, Daniel Huang, Elaine Keegan, Mahendra Shah, Robert Shewmaker, Ron Parkhill, Stephanie Bush-Goddard, Re: Fwd: FYI - Spent fuel pool consequences report (1)**
75. 2/26/03 **Email from Bernard White to "plane" Re: Executive Summary (1)**
76. 2/27/03 **Email from Robert Shewmaker to Mahendra Shah, Re: Comments on documents from SNL (1)**
77. No date **Pictures of Boeing planes (1)**

**APPENDIX B
RECORDS ALREADY AVAILABLE IN THE PDR**

<u>NO.</u>	<u>Date</u>	<u>Acession No.</u>	<u>DESCRIPTION/(PAGE COUNT)/EXEMPTIONS</u>
1.	09/20/01	ML012640061	Letter from Representative Edward J. Markey to Dr. Richard A. Meserve, Chairman US NRC (6)
2.	10/16/01	ML011770317	Letter from Dr. Richard A. Meserve, Chairman US NRC to Representative Edward J. Markey (12)
3.	11/19/01	ML013240541	Letter from Representative Edward J. Markey to Dr. Richard A. Meserve, Chairman US NRC (10)
4.	03/04/02	ML013530413	Letter from Dr. Richard A. Meserve, Chairman US NRC to Representative Edward J. Markey (58)
5.	05/23/02	ML021430359	Statement submitted by the US NRC to the Committee on Energy and Natural Resources Unites States Senate concerning Regulation of a Potential Repository at Yucca Mountain by Dr. Richard A. Meserve, Chairman (10)