

2000-0368

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

FINAL



PARTIAL

DATE

MAR 12 2001

REQUESTER

Jim Warren

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 *

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

APPENDIX I
RECORDS BEING RELEASED IN THEIR ENTIRETY

<u>NO.</u>	<u>DATE</u>	<u>DESCRIPTION/(PAGE COUNT)</u>
1.	9/18/00	E-Mail from J Schaperow to A Murphy, Subject: User Need on Spent Fuel Pool Accident Risk (1 page)
2.	9/25/00	E-Mail from J Flack to N Siu, Subject: Spent Fuel Pool User Need (1 page)
3.	9/11/00	E-Mail from J Schaperow to J Flack et al., Subject: 9/1/00 User Need Letter on SFP Accidents with enclosure (3 pages)
4.	9/27/00	E-Mail from J Schaperow to A Murphy et al, Subject: Spent Fuel Pool Accident Risk with enclosure (4 pages)
5.	9/27/00	E-Mail from C Boyd to J Schaperow, Subject: Memo with mods with enclosure (4 pages)
6.	9/27/00	E-Mail from J Schaperow to A Murphy et al., Subject: Spent Fuel Pool Accident Risk with enclosure (4 pages)
7.	9/27/00	E-Mail from J Schaperow to N Siu, Subject: Spent Fuel Pool Accident Risk (1 page)
8.	9/00	Response to Questions Concerning Spent Fuel Pool Seismic-Induced Failure Modes and Locations and the Expected Level of Collateral Damage (1 page)
9.	9/27/00	E-Mail from J Schaperow to N Chokshi, Subject: Spent Fuel Pool Accident Risk with enclosure (4 pages)
10.	9/27/00	E-Mail from S Pullani to N Chokshi et al., Subject: Spent Fuel Pool Accident Risk (1 page)
11.	9/27/00	E-Mail from J Schaperow to N Chokshi, Subject: Spent Fuel Pool Accident Risk (1 page)
12.	10/13/00	E-Mail from C Boyd to J Schaperow with enclosure (3 pages)
13.	11/7/00	Memorandum to S Collins from A Thadani, Subject: Response to User Need Request for Technical Study of Spent Fuel Pool Accident Risk at Decommissioning Plants (7 pages)

14. 6/30/00 Ltr to J Schaperow, NRC from D Whitehead, Sandia National Laboratories enclosing draft report for Task 7 (97 pages)
15. 5/19/00 E-Mail from J Schaperow to J Gregory, Subject: Initial Results (1 page)
16. 5/19/00 Consequence Tables and graphs (28 pages)
17. 5/19/00 Consequence graphs (20 pages)
18. 5/18/00 E-Mail from J Gregory to J Schaperow, Subject: Initial Results (13 pages)
19. 5/17/00 J Schaperow handwritten notes (1 page)
20. 5/15/00 E-Mail from J Schaperow to J Mitchell, Subject: MACCS calculations for spent fuel pool (1 page)
21. 5/8/00 Standard Order for DOE Work , modification to 189 for MACCS2 code (4 pages)
22. 5/8/00 E-Mail from J Gregory to J Schaperow, Subject: Input Decks (2 pages)
23. 5/8/00 E-Mail from J Schaperow to J Gregory, Subject: Input Decks (2 pages)
24. 5/4/00 E-Mail from J Schaperow to J Mitchell, Subject: Proposed Mod for MACCS Project with enclosures (5 pages)
25. 9/5/00 E-Mail from J Schaperow to T Collins, Subject: Dose Conversion Factors for Iodine with enclosure (2 pages)
26. 9/1/00 Spent Fuel Pool Accident - Summary of MACCS Calculations (1 page)
27. 8/2/00 J Schaperow Summary Tables (13 pages)
28. 7/20/00 J Schaperow Summary Tables (2 pages)
29. 8/7/00 Ltr to J Schaperow, NRC from R Gauntt, Sandia National Laboratories (14 pages)
30. 7/19/00 J Schaperow Notes (1 page)
31. 7/18/00 E-Mail from J Schaperow to R Gauntt, Subject: Plume Heat Content with enclosures (13 pages)
32. 7/14/00 Fax to J Schaperow from R Gauntt, Analysis of Plume Energy Associate Spent Fuel Pool Storage Accident (9 pages)
33. 7/14/00 E-Mail from R Gauntt to J Schaperow, Subject: Plume Energy (1 page)

34. 7/14/00 E-Mail from J Schaperow to R Gauntt, Subject: Plume Energy (1 page)
35. 7/13/00 E-Mail from R Gauntt to J Schaperow, Subject: Plume Energy with enclosure (4 pages)
36. 7/12/00 E-Mail from R Gauntt to J Schaperow, Subject: Plume Energy (1 page)
37. 7/11/00 E-Mail from J Schaperow to R Gauntt, Subject: Plume Energy with enclosure (2 pages)
38. 9/27/00 Memorandum to G Holahan from F Eltawila, Subject: Risk-Informed Requirements for Decommissioning (10 pages)
39. 8/24/00 E-Mail from C Tinkler to G Hubbard et al., Subject: Spent Fuel Temp with enclosures (9 pages)
40. 8/9/00 E-Mail from J Schaperow to C Tinkler, Subject: Another Suggestion (1 page)
41. 9/00 Viewgraphs, Consequence Evaluation for Decommissioning Plants (6 pages)
42. Undated J Schaperow notes (3 pages)
43. 4/5/00 J Schaperow notes (1 page)
44. 4/5/00 J Schaperow meeting notes (1 page)
45. Undated Backup viewgraph, J Schaperow (1 page)
46. 4/5/00 Viewgraphs, Consequence Evaluation for Spent Fuel Pool Accidents (5 pages)
47. 3/29/00 Memorandum to R Barrett et al., Subject: F Eltawila, Subject: Effect of Fission Product Inventory and Air Ingression on Spent Fuel Pool Accident Consequences (52 pages)
48. 10/26/00 Memorandum to G Holahan from F Eltawila, Subject: Radiological Consequences of Spent Fuel Pool Accidents Occurring Up to 10 Years After Final Reactor Shutdown (5 pages)
49. 10/26/00 E-Mail from J Schaperow to G Hubbard et al., Subject: SFP Accident Consequences Memo with enclosures (6 pages)
50. 10/26/00 E-Mail from J Schaperow to G Hubbard, Subject: SFP Accident Consequence Memo with enclosures (6 pages)
51. 10/23/00 E-Mail from J Schaperow to R Palla, Subject: Final Memo on SFP Consequence Calculations with enclosure (4 pages)

- 52. 10/25/00 E-Mail from J Flack to J Schaperow, Subject: Spent Fuel Pool Writeup (1 page)
- 53. 10/23/00 E-Mail from J Schaperow to R Palla, Subject: Final Memo on SFP Consequence Calculations with enclosure (5 pages)
- 54. 10/23/00 E-Mail from J Schaperow to George, Subject: Spent Fuel Pool Writeup with enclosure (4 pages)
- 55. 9/19/00 E-Mail from J Schaperow to R Palla, Subject: MACCS Results vs. Decay Time with enclosures (8 pages)
- 56. 9/15/00 E-Mail from J Schaperow to R Palla, Subject: 30 days to 10 Years (1 page)
- 57. 9/13/00 J Schaperow Notes (1 page)
- 58. 9/7/00 E-Mail from J Schaperow to G Hubbard, Subject: Calculations for Palla (1 page)
- 59. 9/6/00 J Schaperow Notes (1 page)
- 60. 9/12/00 J Schaperow calculation notes (5 pages)
- 61. 9/11/00 J Schaperow calculation notes(2 pages)
- 62. 8/30/00 J Schaperow meeting notes (8 pages)
- 63. 8/29/00 J Schaperow calculation notes (5 pages)
- 64. 8/29/00 J Schaperow calculation notes (2 pages)
- 65. Undated Draft memorandum to G Holahan from F Eltawila, Subject: Risk-Informed Requirements for Decommissioning (4 pages)
- 66. 8/29/00 J Schaperow calculation notes (3 pages)
- 67. 8/28/00 J Schaperow notes (1 page)
- 68. 8/28/00 J Schaperow calculation notes (2 pages)
- 69. 8/24/00 J Schaperow notes (2 pages)
- 70. 8/24/00 J Schaperow notes (2 pages)
- 71. 8/24/00 J Schaperow calculation notes (2 pages)
- 72. 8/24/00 J Schaperow calculation notes (3 pages)

- 73. 8/23/00 8 pages from NUREG/CR-4551, SAND86-1309 (8 pages)
- 74. 8/23/00 J Schaperow notes (1 page)
- 75. 8/21/00 J Schaperow notes (1 page)
- 76. 8/11/00 E-Mail from J Schaperow to R Palla, Subject: Consequence Calculations for Decommissioning PRA (1 page)
- 77. 8/9/00 E-Mail from J Schaperow to R Palla, Subject: Sequence Table (2 pages)
- 78. 8/3/00 J Schaperow calculation note (1 page)
- 79. 8/10/00 J Schaperow meeting notes (7 pages)
- 80. 8/3/00 E-Mail from J Schaperow to R Palla, Subject: Comments on Appendix 4B (2 pages)
- 81. 8/3/00 E-Mail from J Schaperow to R Palla, Subject: Comments on Appendix 4B (4 pages)
- 82. 8/3/00 J Schaperow calculation notes (1 page)
- 83. 8/2/00 E-Mail from J Schaperow to R Palla, Subject: Comments on Appendix 4B (3 pages)
- 84. 8/25/00 Memorandum to G Holahan from F Eltawila, Subject: Risk-Informed Requirements for Decommissioning (21 pages)
- 85. 7/27/00 J Schaperow calculation notes (3 pages)
- 86. 7/24/00 J Schaperow calculation notes (1 page)
- 87. 7/21/00 Draft Appendix 4A (14 pages)
- 88. 7/19/00 J Schaperow calculation notes (13 pages)
- 89. 7/19/00 J Schaperow calculation notes (2 pages)
- 90. 7/18/00 E-Mail from S Arndt to M Rubin et al., Subject: Additional Information on Effect of Source Term and Plume-Related Parameters on Consequences (1 page)
- 91. 7/18/00 E-Mail from J Schaperow to S Arndt, Subject: MACCS Analysis for Spent Fuel Pool Accidents (1 page)
- 92. 7/14/00 E-Mail from J Schaperow to G Hubbard, Subject: Spent Fuel Pool Accident Consequences with enclosures (16 pages)

- 93. 7/13/00 J Schaperow calculation notes (1 page)
- 94. 7/18/00 J Schaperow notes (2 pages)
- 95. 7/17/00 J Schaperow notes (1 page)
- 96. 7/6/00 E-Mail from J Schaperow to G Hubbard, Subject: Spent Fuel Pool Accident Consequences with enclosures (7 pages)
- 97. 7/7/00 E-Mail from J Schaperow to T Eaton, Subject: Spent Fuel Pool Accident Consequences (1 page)
- 98. 6/28/00 J Schaperow notes (1 page)
- 99. 6/28/00 Notes (1 page)
- 100. 6/28/00 Final Report Concurrence Schedule (1 page)
- 101. 6/8/0 E-Mail from F Eltawila to C Boyd et al., Subject: Address Spent Fuel Pool Decomm. Tech. Paper Public Comments with enclosure (2 pages)
- 102. 5/26/00 Letter to D Powers, ACRS from W Travers (3 pages)
- 103. 5/19/00 Note to S Collins from A Thadani, Subject: Rulemaking Plan on Decommissioning Nuclear Plants (2 pages)
- 104. 5/19/00 J Schaperow calculation notes (2 pages)
- 105. 5/17/00 J Schaperow calculation notes (4 pages)
- 106. 5/16/00 J Schaperow notes (1 page)
- 107. 5/16/00 J Schaperow notes (3 pages)
- 108. 5/15/00 J Schaperow notes (3 pages)
- 109. 5/15/00 J Schaperow notes (1 page)
- 110. 5/10/00 E-Mail from J Schaperow to G Kelly et al., Subject: SFP with enclosure (4 pages)
- 111. 5/4/00 Commissioner's Technical Assistants Briefing on ACRS Comments on the Draft Final Technical Study of Spent Fuel Pool Accident Risk at Decommissioning Nuclear Power Plants (6 pages)
- 112. 5/1/00 E-Mail from J Schaperow to G Kelly, Subject: Prompt Fatalities (1 page)

- 113. 4/25/00 SECY-00-0094 For the Commissioners from W Travers, Subject: Status of Decommissioning Program (136 pages)
- 114. 4/21/00 E-Mail from J Schaperow to F Eltawila, Subject: Plan (3 pages)
- 115. 4/21/00 J Schaperow notes (2 pages)
- 116. 4/21/00 E-Mail from J Schaperow to G Kelly, Subject: Evacuation Sensitivity (2 pages)
- 117. 4/21/00 J Schaperow notes (1 page)
- 118. Undated Paper on Oxidation Phenomena in Severe Accidents (9 pages)
- 119. 4/20/00 E-Mail from J Schaperow to C Tinkler, Subject: Plan for SFP Consequence Assessment (3 pages)
- 120. 4/20/00 J Schaperow notes (1 page)
- 121. 4/19/00 Letter to A Vietti-Cook, NRC from L Hendricks, NEI with enclosures (19 pages)
- 122. 4/19/00 Results, Mean Consequences for Surry Population Density (2 pages)
- 123. 4/13/00 J Schaperow notes (1 page)
- 124. 4/13/00 Ltr to R Meserve from D Powers (5 pages)
- 125. 4/12/00 J Schaperow notes (1 page)
- 126. 3/31/00 Stakeholder Communications Plan (1 page)
- 127. 3/8/00 J Schaperow meeting notes (1 page)
- 128. 3/2/0 J Schaperow calculation notes (1 page)
- 129. 3/2/00 J Schaperow calculation notes (4 pages)
- 130. 3/2/00 J Schaperow calculation notes (2 pages)