

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

2003-0032

8

RESPONSE TYPE ☐ FINAL ☒ PARTIAL

REQUESTER

James Riccio

DATE

MAR 25 2003

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**
S & T
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**
S & T
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 Appendix R are copyrighted and are therefore, not included in this response. Please contact the Public Document Room on (301)415-4737 to make arrangements to review the records.

SIGNATURE - FREEDOM OF INFORMATION ACT AND PRIVACY ACT OFFICER

Carol Ann Reed

**APPENDIX R
COPYRIGHT RECORDS**

<u>NO.</u>	<u>DATE</u>	<u>DESCRIPTION (PAGE AMOUNT)</u>
1.	Summer/01	National Conference of State Legislatures - Radioactive Waste News - A Quarterly Summary of Generation, Transportation, Storage and Disposal Issues. (20 pages)
2.	01/01/01	Inside NRC: NRC Revives Rulemakings in Anticipation of Potential New Plant Orders. (2 pages)
3.	2/12/01	Insides NRC: Exelon Asks NRC to Start Laying Groundwork for PBMR Licensing. (3 pages)
4.	3/22/01	Reuters: Johannesburg, South Africa awarded UK-German-South African consortium contract to build plant. (1 page)
5.	04/05/01	Nuclear Waste News: Next-Generation Power Plants Will Bring New Waste Issues. (1 page)
6.	05/10/01	Nucleonics: IAEA Safety Experts Caution Restraint on PBMR Safety Review. (3 pages)
7.	05/24/01	Nucleonics Week: Industry Revival. (3 pages)
8.	09/13/01	Nucleonics Week: NRC Staff Says Full-Scale Test Could Help Prove PBMR Safety. (2 pages)
9.	10/8/01	Inside NRC: New Reactor Licensing Chief Outlines Activities in Upcoming Months. (1 page)
10.	10/11/01	Nuclear Waste News: News briefs. (1 page)
11.	10/26/01	Nuclear News Flashes: A Decision on Proceeding with the PBMR Has Been Delayed a Year. (1 page)
12.	Various	Compilation of articles in Technology Review - Special Issue - Energy: Can new technology reduce our need fro oil from the Middle East? (26 pages)
13.	6/10/02	Nuclear Fuel: ACRS Members Strongly Embrace Fuel Qualification Testing. (1 page)

14. 05/06/02

Inside NRC: Containment-Confinement Debate for HTRs
Not Clear Cut, Says one Expert. (2 pages)

APPENDIX S
RECORDS BEING RELEASED IN THEIR ENTIRETY

<u>NO.</u>	<u>DATE</u>	<u>DESCRIPTION (PAGE AMOUNT)</u>
1.	06/19/00	Memo from John Larkins to the Commission, subject: Transmittal of Foreign Trip Report of ACRS Member. (20 ²⁰ 19 pages)
2.	01/12/01	Memo from P. Boehnert, ACRS, to ACRS members transmitting certified minutes of the 11/15/00 Severe Accident Management Subcommittee meeting. (105 ¹¹³ 105 pages)
3.	01/24/01	Memo from P. Boehnert to ACRS members re proposed advanced design, "IRIS" (International Reactor Innovative and Secure). (2 pages)
4.	03/05/01	Certified minutes of the 2/28/01 Planning and Procedures Subcommittee meeting. (27 ²⁶ 27 pages)
5.	03/08/01	Memo from Robert Uhrig, ACRS, to ACRS Members and Staff, subject: Pebble Bed Modular Reactor, with attachments. (25 ²⁶ 25 pages)
6.	5/09/01	Certified minutes of the 4/4/01 Planning and Procedures Subcommittee meeting. (44 ⁴³ 44 pages)
7.	05/11/01	Certified minutes of the 5/9/01 Planning and Procedures Subcommittee meeting. (44 ⁴⁵ 44 pages)
8.	05/24/01	Memo from Michael Markley, ACRS, to Dr. Thomas Kress, Advanced Reactors Subcommittee, subject: Status Report for the Meeting of the ACRS Subcommittee on Advanced Reactors June 4-5, 2001. (289 ²⁷⁵ 289 pages)
9.	06/25/01	Excerpt from ACRS/ACNW FY 2001 Operating Plan, page 66. (1 page)
10.	10/5/01	Certified minutes of the 6/4-5/01 Advanced Reactors Subcommittee meeting. (12 pages)
11.	10/5/01	Certified minutes of the 10/3/01 Planning and Procedures Subcommittee meeting. (32 pages)

12. 10/26/01 Letter from George Apostolakis, ACRS, to Chairman Meserve, subject: Summary Report - 486th Meeting of the ACRS, October 4-6, 2001, and Other Related Activities of the Committee. (10 pages)
13. 11/7/01 Letter from R. M. Krich, Exelon, to USNRC, subject: Comments Regarding Petition for Rulemaking; 66 Federal Register 48832, 09/24/01. (3 pages)
14. 12/17/01 Letter from George Apostolakis, ACRS, to Chairman Meserve, subject: Summary Report - 487th Meeting of the ACRS, November 8-10, 2001 and Other Related Activities of the Committee. (7 pages)
15. 07/31/02 Certified minutes of the 7/8/01 Future Plant Designs Subcommittee meeting, with attachments. (96 pages)

APPENDIX T
DOCUMENTS BEING RELEASED IN THEIR ENTIRETY

<u>NO.</u>	<u>DATE</u>	<u>DESCRIPTION (PAGE AMOUNT)</u>
1.	Undated	Staff's Response to Exelon's approach for Licensing Framework. (2 pages)
2.	Undated	Pebble Bed Modular Reactor Fact Sheet. (4 pages)
3.	Undated	The PBMR'S Participating Companies. (1 page)
4.	Undated	The PBMR'S Safety Features. (2 pages)
5.	Undated	How the PBMR Fuel Works. (2 pages)
6.	Undated	How the PBMR Works. (2 pages)
7.	Undated	How the PBMR Project Came About. (2 pages)
8.	Undated	The Pebble Bed Evolution. (2 pages)
9.	Undated	Pebble Bed Modular Reactor. 4 ₅ pages)
10.	Undated	10MW High Temperature Gas-cooled Reactor Test Module - HTR-10. (16 pages)
11.	3/23/00	Commissioner Merrifield's vote on Letter to Madam Phumzile Miambo-Ngcuke, with letter edits. (3 pages)
12.	09/18/00	Commissioner Merrifield's vote sheet on Letter to Walter Simon. (1 page)
13.	12/05/00	Letter from James Muntz, Exelon, to USNRC re PBMR Review Requirements. (1 page)
14.	12/20/00	E-mail meeting announcement from Commissioner Merrifield. (1 page)
15.	12/20/00	People's Republic of China Pebble Bed Reactor Program. (10 pages)
16.	01/05/01	Facsimile Transmission sheet from Brian McCabe to Ward Sproat. (1 page)

17. 02/09/01 Memo from A. Vietti-Cook to Commissioner Merrifield, subject: COMJSM-00-0003 - Staff Readiness for New Nuclear Plant Construction and the PBMR. (3 pages)
18. 01/10/01 Facsimile Transmission sheet from Brian McCabe to Ward Sproat with attachments. (10 pages)
19. 01/16/01 Meeting announcement from Commissioner Merrifield. (1 page)
20. 02/01/01 Press release: South Africa - Power Utility Chairman Comments on PBMR Project. (1 page)
21. 02/06/01 E-mail from Maria Lopez-Otin to addressees re Draft SRM. (1 page)
22. 02/28/01 E-mail from Stuart Rubin, RES, to Farouk Eltawila, RES, subject: Commision Q&As. (3 pages)
23. 04/30/01 Discussion Paper - Proposed HTGR Licensing Framework Approach for the PBMR. (12 pages)
24. 04/30/01 Slides - PBMR Pre-application Meeting. (39 pages)
25. 05/22/01 Commissioner Diaz Response Sheet on SECY-01-0070. (1 page)
26. 05/25/01 Letter from James Muntz to USNRC re PBMR 10 CFR Part 52 Applications and Licensing Plan. (15 pages)
27. 5/31/01 Commissioner Merrifield Response Sheet on SECY-01-0070. (2 pages)
28. 06/2001 Slides: PBMR Fuel Fabrication Presentation to Commissioner Merrifield. (19 pages)
29. 6/14/01 Meeting announcement from Commissioner Merrifield. (1 page)
30. 06/19/01 Commission Voting Record - SECY-01-0070, (10 pages)
31. 06/19/01 Memo from A. Bates to W. Travers, subject: Staff Requirements - SECY-01-0070 - Plan for Preapplication Activities on the PBMR. (1 page)
32. 06/26/01 Letter from W. Travers to Mike Holland Fast Flux Test Facility. (3 pages)

33. 8/22/01 Meeting announcement from Comm. Merrifield. (1 page)
34. 10/31/01 Memo from Stuart Rubin to D. Carlson, J. Flack, R. Meyer and T. King re HTR Fuel Elements. (4 pages)
35. 11/8/01 E-mail from S. Rubin to addressees, subject: HTGR Reference Documents to be Translated, Copied and Distributed. (2 pages)
36. 11/12/01 Letter from Thomas Murley to Thomas King, RES, providing comments on HTGR Safety and Research Issues Workshop. (3 pages)
37. 11/13/01 Meeting announcement from Comm. Merrifield. (1 page)
38. 11/23/01 E-mail from Donald Carlson to addressees, subject: Clarification on WIMS vs. SCALE and PBMR vs LWR-MOX. (2 pages)
39. 11/26/01 E-mail from Stuart Rubin to addressees, subject: Hote Topics for 11/26/01. (2 pages)
40. 11/27/01 E-mail from Stuart Rubin to addressees, subject: Exelon Meeting Presentation on PBMR Operational Modes and States. (1 page)
41. 11/27/01 E-mail from Stuart Rubin to addressees, subject: Exelon Meeting Agenda. (2 pages)
42. 01/02/02 E-mail from Stuart Rubin to Marcia Karabelnikoff and Thomas King regarding A message from Tom King. (3 pages)
43. 01/03/02 E-mail from A. Cubbage to R. Caruso, Y. Orechwa, and U. Shoop, with attached e-mail from S. Rubin to M. Bennett, attaching e-mail from J. Glitter to S. Rubin regarding Import of German HTR Fuel Elements. (3 pages)
44. 01/14/02 E-mail from Stuart Rubin to A. Cubbage and U. Shoop, with attached e-mail from F. Eltawila to addressees, attaching e-mail from A. Caponti to F. Eltawila regarding meeting on PBMR Fuel Qualification. (3 pages)
45. 01/15/02 E-mail from Margaret Bennett to addressees, subject: Advanced Reactor Reference Material. (4 pages)
46. 01/24/02 E-mail from A. Cubbage to addressees, with attached e-mail from S. Rubin to K. Borton, attaching 01/24/02 e-mail from S. Rubin to H. Nebielek regarding Import of German HTR Fuel Elements. (5 pages)

47. 01/28/02 E-mail from Stuart Rubin to A. Cubbage, F.Eltawila, J. Flack and R. Caruso, subject: AT&T Teleconference 1/29 confirmation. (3 pages)
48. 01/30/02 E-mail from A. Cubbage to R. Caruso, Y. Orechwa and U. Shoop, with attached e-mail from S. Rubin to A. Caponiti regarding Importing German Archive Fuel Pebbles for Testing in the US. (3 4 pages)
49. 02/06/02 E-mail from A. Cubbage to S. Rubin re Next NRC/Exelon Meeting. (1 page)
50. 02/12/02 Letter from F. Eltawila to T. Murley regarding response to your letter to Mr. Thomas King dated 11/12/01. (5 pages)
51. 02/26/02 E-mail from S. Rubin to J. Muscara, regarding attached Air Ingress Questions from George Lanik on White Paper Review. (6 pages)
52. 02/26/02 E-mail from A. Cubbage to R. Caruso, Y. Orechwa and U. Shoop regarding Exelon White Paper Review Assignments. (3 pages)
53. 02/28/02 E-mail from A. Cubbage to addressee, subject: Exelon preapplication update. (1 page)
54. 03/11/02 E-mail from A. Cubbage to addressees regarding Issues for ACRS response. (5 pages)
55. 03/11/02 E-mail from A. Cubbage to addressees, with attached e-mail from Stuart Rubin, subject: NEA Workshop on Advanced Nuclear Reactor Safety Issues and Research Needs. (13 pages)
56. 3/20/02 Letter from Andrew Kadak to Comm. Merrifield attaching a compilation of articles on PBMR. (1 pages) **NOTE: Articles are copyrighted, and are identified on Appendix R.**
57. 03/25/02 E-mail from J. Flack to G. Bagchi re Exelon Paper on Fuel Qualification. (2 pages)
58. 03/26/02 E-mail from A. Cubbage to J. Flack and S. Rubin re additional RAI set from SRXB. (1 page)
59. 03/26/02 E-mail from A. Cubbage J. Flack and S. Rubin re fuel design RAIs. (4 pages)
60. 03/26/02 E-mail from S. Rubin to R. Caruso re March 28, 2002

- NRC/Exelon/DOE Meeting Agenda, with attached agenda. (3 pages)
61. 04/02/02 E-mail from S. Rubin to H. Nebielek, subject: Documents on German Regulatory Hearing on HTR Fuel Elements. (2 pages)
62. 04/09/02 E-mail from A. Cubbage to U. Shoop, with attached e-mail from E. Trager regarding PBMR Meeting with Exelon on March 28, 2002. (8 pages)
63. 04/15/02 E-mail from Stuart Rubin to Anthony Uises, subject: RAIS on PBMR Analytical Codes and Software Control - Fuel Analysis. (3 pages)
64. 04/16/02 E-mail from Donald Carlson to addressees regarding Exelon cancels involvement in Pebble Bed. (5 pages)
65. 04/16/02 Meeting announcement from Comm. Merrifield. (1 page)
66. 05/03/02 E-mail from S. Rubin to F. Eltawila re PBMR Pre-Application Closure. (2 pages)
67. 05/13/02 E-mail from Fuat Odar to various addressees re Pre-PIRT Meeting, May 28-29. (2 pages)
68. 07/03/02 E-mail from Stuart Rubin to A. Cubbage, R. Caruso, U. Shoop and Y. Orechwa, subject: Presentation to the ACRS Subcommittee on HTGR Fuels Research. (27 pages)
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69. 07/17/02 E-mail from S. Rubin to A. Cubbage, J. Lyons and S. Koenick re PBMR. (2 pages)
70. 08/09/02 E-mail from S. Rubin to F. Eltawita re Drop in Visit by David Nicholls. (2 pages)
71. 08/13/02 E-mail from S. Rubin to D. Nicholls regarding Drop in Visit at NRC Headquarters. (1 page)
72. 08/06/02 E-mail from Makuteswara Srinivasan regarding On Exelon RAIs. (2 3 pages)
73. 08/16/02 Memo from J. Craig to Commissioner Assistants regarding Drop in Meeting with PBMR CO. (2 pages)
74. 10/17/02 E-mail from Charles Ader to addressees regarding C-Note for PBMR Drop In. (2 pages)

75. 10/10/02 Slides: Pebble Bed Modular Reactor Project Overview. (~~33~~ pages)
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