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Description of document: National Nuclear Security Administration (NNSA) List of JASON study reports done for NNSA 2000-2022

Requested date: 24-July-2022

Release date: 10-April-2023

Posted date: 04-March-2024

Source of document: FOIA request  
NNSA-OGC FOIA Office  
PO Box 5400  
Albuquerque, NM 87185  
Fax: (505) 284-7512  
[NNSA Online FOIA Request Form](#)  
Email: [foiofficer@nnsa.doe.gov](mailto:foiofficer@nnsa.doe.gov)

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Department of Energy  
National Nuclear Security Administration  
Office of the General Counsel  
P.O. Box 5400  
Albuquerque, NM 87185-5400



April 10, 2023

**SENT VIA EMAIL**

This letter is the final response to your Freedom of Information Act (FOIA) request, received in this office on July 24, 2022.

**Your request stated the following:**

A copy of the title or cover page or first page of each report produced for NNSA by the JASON advisory group, during the time period January 1, 2000, to the present. Alternatively, a list of JASON advisory reports done for NNSA would be acceptable instead.

Upon receipt, we contacted the National Nuclear Security Administration's (NNSA) Office of Defense Programs (NA-10), about your request. The NA-10 conducted a thorough search of their records.

**The following responsive record was located:**

- JASON Report to NNSA – Jan 2000 to present

It was determined that the enclosed document is fully releasable and provided in its entirety.

For further assistance and to discuss any aspect of your request, you may contact me, NNSA's FOIA Public Liaison, Christina H. Hamblen, Office of the General Counsel, at 1-866-747-5994, or by mail at Department of Energy, National Nuclear Security Administration, Office of the General Counsel, PO Box 5400, Albuquerque, NM 87185. Additionally, you may contact the Office of Government Information Services (OGIS) at the National Archives and Records Administration to inquire about the FOIA mediation services they offer. The contact information for OGIS is as follows: Office of Government Information Services, National Archives and Records Administration, 8601 Adelphi Road-OGIS, College Park, Maryland 20740-6001, e-mail at [ogis@nara.gov](mailto:ogis@nara.gov); telephone 202-741-5770; toll free 1-877-684-6448; or facsimile 202-741-5769.

There are no fees chargeable to you for processing this request. If you have questions regarding this response, please contact Delilah Perez by email at [Delilah.Perez@nnsa.doe.gov](mailto:Delilah.Perez@nnsa.doe.gov) or write to the address above. Please reference Control Number FOIA 22-00254-M in your communication.

Sincerely,

**Christina H.  
Hamblen** Digitally signed by  
Christina H. Hamblen  
Date: 2023.04.10  
07:58:11 -06'00'

Christina H. Hamblen  
FOIA Officer

Enclosure

JASON Reports to NNSA  
Jan. 2000 to present

| Report ID | Title   | JASON Lead          | Class | Distribution  |
|-----------|---|---------------------|-------|---|
| 00-320    | Stewardship Campaigns   | R. Jeanloz          | U     | Distribution limited to US Government agencies and their contractors  |
| 00-320A   | Stewardship Campaigns Appendices  | R. Jeanloz          | SRD   |   |
| 01-315    | ARM   | N. Lewis            | U     | Approved for public release; distribution unlimited   |
| 01-320    | Radiography (aka AHF)   | C. Stubbs           | U     | Distribution Limited to Government Agencies Only  |
| 01-320A   | Radiography Appendices - Appendices B, C & D                                    | C. Stubbs           | S/RD  | This material contains RESTRICTED DATA as defined in the Atomic Energy Act of 1954. Unauthorized disclosure subject to administrative and criminal sanctions.   |
| 01-321    | Ltr Rpt: Dave Crandall - Radiography  | C. Stubbs           | U     |   |
| 02-335    | High Power Laser (Petawatt)   | D. Hammer           | U     |   |
| 02-335A   | High Power Laser (Petawatt)   | D. Hammer           | S/RD  |   |
| 02-340    | Radiological Weapons  | S. Koonin           | U     | Distribution limited to U.S. Government Agencies  |
| 03-330    | Requirements for ASCI   | R. Schwitters       | U     | Approved for public release; distribution unlimited.  |
| 03-330A   | Requirements for ASCI - Appendix  | R. Schwitters       | SRD   |   |
| 04-330    | Quantifications of Margins and Uncertainties (QMU)                              | D. Eardley          | U     | Distribution authorized to the Department of Defense and the National Nuclear Security Administration and its contractor laboratories (NA-11). Other requests for this document shall be referred to the National Nuclear Security Administration |
| 04-330A   | Quantifications of Margins and Uncertainties (QMU) Appendix                     | D. Eardley          | SRD   |   |
| 05-330    | Pit Lifetime  | R. Hemley C. Stubbs | SRD   | Distribution authorized to U.S. Government Agencies and their contractors. Other requests for this document shall be referred to controlling office.  |
| 05-330A   | Pit Lifetime Appendix: Simple Simulations of Rossi-alpha Processing Distortions | R. Hemley C. Stubbs | U     | U.S. Government Agencies and the contractors. Other request for this document shall be referred to controlling office.  |
| 05-332    | Interim Pit Lifetime Assessment   | R. Hemley           | SRD   | Distribution limited to US Government agencies and their contractors only.  |

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Jan. 2000 to present

| Report ID | Title   | JASON Lead                  | Class        | Distribution   |
|-----------|---|-----------------------------|--------------|--|
| 05-335    | Verification and Validation                                       | D. Meiron                   | S            | This attached document contains restricted Data as defined in the Atomic energy Act of 1954. Unauthorized disclosure subject to Administrative and Criminal Sanctions. Distribution limited to US government agencies and their contractors. |
| 05-340    | NIF Ignition  | D. Hammer L. Bildsten       | U            | Approved for public release.   |
| 06-330    | DARHT   | B. Richter                  | U            |  |
| 06-332    | Global Nuclear Energy Program                                     | R. Schwitters               |              |  |
| 06-334    | Pit Lifetime  | R. Hemley D. Meiron         | SRD          | Distribution limited to U.S. Government Agencies and their contractors only. Other request for this document must be submitted to contracting office.  |
| 06-334E   | Pit Lifetime Executive Summary                                    | R. Hemley                   | U            |  |
| 06-335    | Pit Lifetime  | R. Hemley D. Meiron         | U            | Approved for public release; distribution unlimited  |
| 06-336    | RRW   | L. Bildsten D. Meiron       | SRD-Sigma 15 |  |
| 07-336    | Reliable Replacement Warhead (RRW)                                | D. Meiron L. Bildsten       | SRD          |  |
| 07-336A   | Reliable Replacement Warhead (RRW) Appendix C                     | D. Meiron L. Bildsten       | Sigma 15     |  |
| 07-625    | Human Performance   | E. Williams                 | U            | Approved for public release  |
| 08-336    | Boost   | L. Bildsten                 | SRD          | Distribution limited to U.S. Government agencies and their contractors. Othe requests for this document shall be referred to contracting Office  |
| 09-330    | Ltr Rpt:: Chris Deeney - NIC                                      | R. Schwitters P. Dimotakis  | U            | Public distribution  |
| 09-332    | Ltr Rpt: Maurice Pitt - Life Extension Program (LEP)              | M. Adams, D. Meiron         | U            |  |
| 09-334    | Life Extension Program (LEP)                                      | D. Meiron                   | SRD          |  |
| 09-334E   | Lifetime Extension Program (LEP) Executive Summary                | D. Meiron                   | U            |  |
| 10-300    | Methods for Remote Determination of CO2 Emissions [Carbon treaty] | N. Lewis T. Prince J. Tonry | U            | Approved for public release; distribution unlimited (Limiter A)  |

JASON Reports to NNSA  
Jan. 2000 to present

| Report ID    | Title  | JASON Lead                             | Class    | Distribution   |
|--------------|--|--|----------|--|
| 10-300A      | Methods for Remote Determination of CO2 Emissions Appendix [Carbon treaty]           | N. Lewis T. Prince<br>J. Tonry         | SRD      |  |
| 11-340       | Hydrodynamic and Nuclear Experiments   | R. Hemly D.<br>Meiron                  | SRD      | Limited Distribution. Request should be directed to sponsor.   |
| 12-300       | NNSA Capabilities for Foreign Assessment   | R. Schwitters M.<br>Adams              | SRD/N F  | Distribution authorized to US Government and Contractors; Specific Authority; October 18, 2012. Other request for this document shall be referred to Defense Science Division, DOE/NNSA, 1000 Independence Ave., SW Washington, DC 20585   |
| 12-302       | Ltr Rpt: B61 Life Extension Program Nuclear Scope Review                             | R. Schwitters                          | U        | Delivered to Maurice Pitt, DOE   |
| 13-300       | Stockpile Surveillance   | R. Hemley P. Fisher                    | SRD      | Distribution authorized to US Government & Contractors; Specific Authority; 9/19/2014. Other requests for this document shall be referred to Maurice Pitt, Stockpile Research  |
| 14-Task- 006 | Technical Considerations for the Evolving U.S. Nuclear-Weapons Stockpile.            | R. Schwitters M.<br>Adams P. Dimotakis | SRD      | Distribution will be handled through the sponsor's office; no further release.   |
| 14-Task-006E | Technical Considerations for the Evolving U.S. Nuclear-Weapons Stockpile : Executive | R. Schwitters M.<br>Adams              | U        | Approved for public release  |
| 15-Task-016  | Ltr Rpt: R. Hanrahan - Manufacturing   | R. Jeanloz D.<br>Meiron                | FOUO     |  |
| 16-Task- 005 | Quantification of Processes for the Future Manufacture of Nuclear Weapon Components  | R. Jeanloz D. Meiron                   | SRD      | Distribution will be handled through the sponsor's office; no further release.   |
| 16-Task-011  | Ltr Rpt Subcritical Experiments (ECSE)   | D. Eardley                             | U/FOUO   |  |
| 17-Task-013  | Science Challenges for Survivability   | R. Schwitters J.<br>Zmuidzinas         | S/RD/N F | Approved for publication - distribution by sponsor only  |
| 18-009       | Tritium (Large)  | M. Adams R. Jeanloz                    | S/RD     | Distribution F: Further dissemination only as directed by DOE or higher authority. After a 5 year cycle review by sponsoring organization, the document may be released to any component of the sponsoring agency's department or organization per JASON Distribution Statement E. |

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Jan. 2000 to present

| Report ID | Title   | JASON Lead                          | Class | Distribution  |
|-----------|---|-------------------------------------|-------|---|
| 18-009E   | Tritium Executive Summary   | M. Adams R. Jeanloz                 | U     | Distribution F: Further dissemination only as directed by NNSA, Defense Programs (DP 53); 1000 Independence Ave. SW, Washington, DC 20585; 12/18/2018.  |
| 19-2A     | Ltr Rpt: Pit Aging - Tod Caldwell   | R. Hemley N. Lewis<br>R. Westervelt | U     | Distribution F: Distribution by sponsoring agency only.   |
| 19-2A-A   | Pit Aging Appendix  | R. Hemley R.<br>Westervelt N. Lewis | S     | Distribution F: Distribution by sponsoring agency only  |
| 19-2C     | Cyber Surety  | K. Fu R. Jeanloz<br>A.C. Snoeren    | SRD   | Distribution D. Distribution authorized to DOE and DoD and their contractors only. Reason: Vulnerability Information. Other requests for this document shall be referred to NNSA-NA 12; 3/17/20.  |
| 20-2A     | Contributions of the ICF Program to Stockpile Stewardship                   | M. Adams D. Hammer<br>G. McKinley   | S/RD  | Distribution C. Distribution authorized to U.S. Government agencies and their contractors only. Reason: Critical technology; pre-decisional future facility investments. Other requests for this document shall be referred to Department of Energy's National Nuclear Security Administration/Office of Defense Programs 1000 Independence Ave, SW, Washington DC; March 17, 2021. |
| 20-2A-E   | Contributions of the ICF Program to Stockpile Stewardship Executive Summary | M. Adams D. Hammer<br>G. McKinley   | U     | Distribution C. Distribution authorized to U.S. Government agencies and their contractors only. Reason: Critical technology; pre-decisional future facility investments. Other requests for this document shall be referred to Department of Energy's National Nuclear Security Administration/Office of Defense Programs 1000 Independence Ave, SW, Washington DC; March 17, 2021. |
| 20-2B     | Electronic Materials Aging  | H. Stone S. Graham R.<br>Westervelt | OUO   | Distribution D. Distribution authorized to National Nuclear Security Administration and their contractors only. Reason: report addresses official use only information and activities. Other requests for this document shall be referred to NA-115, Office of Engineering and Technology Maturation; 1000 Independence Ave SW, Washington, DC 20585; 15 October 2020.              |

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Jan. 2000 to present

| Report ID | Title   | JASON Lead                 | Class | Distribution  |
|-----------|---|----------------------------|-------|---|
| 20-2C     | Ltr Rpt: Shawn Dirk/John Cormier - W78R   | R. Jeanloz                 | S/RD  | Distribution D. Distribution authorized to Department of Energy/National Nuclear Security Administration and their contractors only. Reason: Critical Technology. Other requests for this document shall be referred to Defense Programs, 1000 Independence Ave, SW, Washington, DC, 20585; 02/11/2021. |
| 21-11E    | High Explosives Manufacturing Science   | S. Graham                  | U     | Distribution D. Distribution authorized to Department of Energy/National Nuclear Security Administration and their contractors only.  |
| FY21      | Ltr Rept- The Quantification of Margins and Uncertainties in Support of Stockpile Modernization | R. Schwitters              | S/RD  |   |
| FY21      | Actinide Study  | M. Adams                   | S/RD  | finished but not yet released   |
| FY22      | Nondestructive Evaluation for Qualification and Surveillance                                    | T. Rollett<br>E. Hu        | S/RD  | in-progress   |
| FY22      | Quantification of Margins and Uncert  | K. Scholberg<br>R. Jeanloz |       | in-progress   |
| FY22      | Ltr Rept-Safety Mechanisms  | S. von Meier               |       | in-progress   |
| FY22      | Ltr Rept- Delivery Environments   | B. Ehlmann<br>D. Meiron    | S/RD  | in-progress   |