

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

2015-0456; 2015-0458

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RESPONSE TYPE  INTERIM  FINAL

REQUESTER  
Jacob Marx

DATE  
September 15, 2015

**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.
- Agency records subject to the request that are identified in the specified group are already available in public ADAMS or on microfiche in the NRC Public Document Room.
- Agency records subject to the request that are contained in the specified group are being made available in public ADAMS.
- 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.
- \* See comments for details  You will receive a refund for the amount listed.  Fees waived.

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

- We did not locate any agency records responsive to your request. *Note:* Congress allowed agencies to treat three discrete categories of law enforcement and national security records as not subject to the FOIA ("exclusions"). See 5 U.S.C. 552(c). This is a standard notification that we give to all requesters; it should not be taken as an indication that any of these excluded records do, or do not, exist.
- We have withheld certain information in the records from disclosure pursuant to the FOIA exemptions described, and for the reasons stated, in Part II.
- Because this is an interim response to your request, you may not appeal this determination at this time. We will notify you of your right to appeal any of the responses we have issued in response to your request when we issue our final determination on your request.
- You may appeal this final determination within 30 calendar days of the date of this response, by writing to the FOIA Officer, U.S. Nuclear Regulatory Commission, Washington, D.C. 20555-0001. Please be sure to mark your letter/envelope or email that it is a "FOIA Appeal."

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

The incoming requests will be made available in ADAMS as ML15238B611 (2015-0456) and ML15238B18 (2015-0458). Records with an ML accession number are publicly available in the NRC's Public Electronic Reading Room at <http://www.nrc.gov/reading-rm.html>. If you need assistance in obtaining these records, please contact the NRC's Public Document Room (PDR) at 301-415-4737, or 1-800-397-4209, or by email to [PDR.Resource@nrc.gov](mailto:PDR.Resource@nrc.gov). [continued on next page]

SIGNATURE - FREEDOM OF INFORMATION ACT AND PRIVACY ACT OFFICER

*Roger D. Andoh*

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

2015-0456; 2015-0458

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REQUESTER

Jacob Marx

DATE

September 15, 2015

PART I.C COMMENTS (Continued)

Subsequent to our receipt of your requests, you agreed to modify them, limiting the scope of responsive records to be those that establish the current standards applicable to all U.S. nuclear power plants to follow in their design and operation to accommodate (protect against) the risks presented by tornadoes (2015-0456) and hurricanes (2015-0458).

Based upon this modification, we identified a number of responsive records, some of which pertain specifically to hurricanes or tornadoes, others that pertain more generally to climatic/environmental risks (e.g., wind, water), that can accompany hurricanes and tornadoes. All of these records, identified on the Group A listing attached herein, are already publicly available.

FOIA-2015-0458 / FOIA-2015-0458

Group A

Records Already Publicly Available

Records Pertaining to FOIA-2015-0458

1. ML11321A195, NUREG/CR-7046, PNNL-20091, Prasad, R., et al., "Design-Basis Flood Estimation for Site Characterization at Nuclear Power Plants in the United States of America," November 30, 2011.
2. ML11335A031, NUREG/CR-7005, "Technical Basis for Regulatory Guidance on Design-Basis Hurricane Wind Speeds for Nuclear Power Plants," November 30, 2011.
3. ML11341A102, NUREG/CR-7004, "Technical Basis for Regulatory Guidance on Design-Basis Hurricane-Borne Missile Speeds for Nuclear Power Plants," November 30, 2011.
4. ML12310A025, NUREG/CR-7134, Resio, D.T., et al., "The Estimation of Very-Low Probability Hurricane Storm Surges for Design and Licensing of Nuclear Power Plants in Coastal Areas," October 31, 2012.
5. ML110940300, Regulatory Guide (RG) 1.221, "Design-Basis Hurricane and Hurricane Missiles for Nuclear Power Plants," October 2011.
6. ML003740388, Regulatory Guide (RG) 1.59, "Design-Basis Floods for Nuclear Power Plants."
7. 10 CFR Part 100, "Reactor Site Criteria." <http://www.nrc.gov/reading-rm/doc-collections/cfr/part100/>
8. NUREG-0800, Rev 3, "Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants: LWR Edition," March 2007.
  - a. ML070550043, Standard Review Plan (SRP) 3.4.1, Rev. 3, "Internal Flood Protection for Inside Equipment Failures," March 2007.
9. ML13015A693, Interim Staff Guidance, Implementation of RG 1.221 on Design-Basis Hurricane and Hurricane Missiles"< CD/COL-ISG-024, May 2013.

**Records Pertaining to FOIA-2015-0456**

10. ML13350A280, Regulatory Guide (RG) 1.117, Rev. 1, "Tornado Design Classification," April 1978.
11. ML070360253, Regulatory Guide (RG) 1.76, Rev. 1, "Design-Basis Tornado and Tornado Missiles for Nuclear Power Plants," March 2007.
12. MI110940300, Regulatory Guide (RG) 1.221, "Design-Basis Hurricane and Hurricane Missiles for Nuclear Power Plants," October 2011.
13. NUREG-0800, Rev 3, "Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants: LWR Edition," March 2007.
  - a. ML070400364, Standard Review Plan (SRP) 2.0 "Site Characteristics and Site Parameters," March 2007.
  - b. ML070570002, Standard Review Plan (SRP) 3.3.2, Rev 3, "Tornado Loads," March 2007.

**Records Pertaining to Both FOIA-2015-0456 and FOIA-2015-0458**

14. ML011340072, Regulatory Guide (RG) 1.70, Rev. 3, "Standard Format and Content of Safety Analysis Reports for Nuclear Power Plants: LWR Edition," November 1978.
15. NUREG-0800, Rev 3., "Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants: LWR Edition" March 2007.
  - a. ML063600393, Standard Review Plan (SRP) 2.3.1, Rev. 3, "Regional Climatology," March 2007.

- b. **ML070570001, Standard Review Plan (SRP) 3.3.1, Rev. 3, "Wind Loading," March 2007.**
- c. **ML14190A180, Standard Review Plan (SRP) 3.5.1.4, Rev. 4, "Missiles Generated by Extreme Winds," March 2015.**
- d. **ML070460362, Standard Review Plan (SRP) 3.5.2, Rev. 3, "Structures, Systems, and Components to be Protected from Externally-Generated Missiles," March 2007.**
- e. **ML070570004, Standard Review Plan (SRP) 3.5.3, Rev. 3, "Barrier Design Procedures," March 2007.**
- f. **ML13081A756, Standard Review Plan (SRP) 19.3, Rev. 0, "Regulatory Treatment of Non-Safety Systems for Passive Advanced Light Water Reactions," April 2013.**