



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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JUN 18 1985

Ms. Nina Bell
Assistant Director
Nuclear Information and Resource Service
1346 Connecticut Avenue, NW
4th Floor
Washington, DC 20036

IN RESPONSE REFER
TO FOIA-85-353

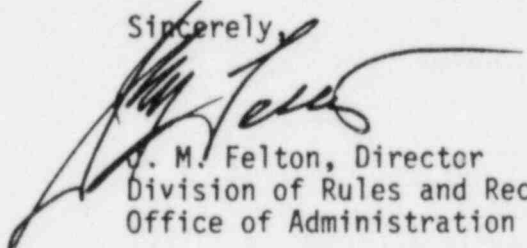
Dear Ms. Bell:

This is in partial response to your letter dated May 8, 1985, in which you requested, pursuant to the Freedom of Information Act, all documentation pertaining to Army Corps of Engineers and NRC analyses of the potential for a debris dam blocking the natural outlet of Spirit Lake to rupture and affect the Trojan Nuclear Power Plant and the current status of the permanent tunnel the Corps proposed to install.

The enclosed Appendix A identifies documents which are being made available for your inspection and copying at the NRC Public Document Room (PDR), 1717 H Street, NW, Washington, DC 20555. The documents will be filed in PDR folder FOIA-85-353 under your name. Appendix B identifies documents which the NRC has already made publicly available at the PDR.

The staff is continuing to review additional records subject to your request. We will notify you upon completion of the review.

Sincerely,



G. M. Felton, Director
Division of Rules and Records
Office of Administration

Enclosures: As stated

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APPENDIX A

1. Undated Professional Papers "Mount St. Helens Recovery Operation" by Robert E. Willis, U.S. Army Corps of Engineers (15 pages)
2. 1983 USGS Report "Mudflow Hazards Along the Toutle and Cowlitz Rivers from a Hypothetical Failure of Spirit Lake Blockage" by Swift & Kresch, 1983 (14 pages)
3. 01/19/81 NRC Note Transmitting copy of Report "Evaluation of Design Hazards of Airborne Ash & Pyroclastic Flow for the Trojan Power Plant Site." (17 pages)
4. 02/06/81 NRC Memo "Review Comments on Report by Dunne & Leopold, "Flood and Sedimentation Hazards in the Toutle and Cowlitz River System as a Result of the Mount St. Helens Eruption, 1980." (4 pages)
5. 10/1981 COE Report "Mt. St. Helens Eruption-The Challenge to Restore and Project." (84 pages)
6. 02/15/83 Telecon LaFevre, NRC and Corrوران, PGEC "Potential Mudflow Hazard to Trojan." (1 page)
7. 03/02/83 NRC letter to USGS (3 pages)
8. 04/01/83 HES Note "Trojan NPP - Mt. St. Helens, Spirit Lake." (1 page)
9. 04/01/83 Note to HES File "USGS Spirit Lake Breakout Report." (2 pages)
10. 03/17/83 NRC Memo "FEMA Report on Hypothetical Failure of Spirit Lake Blockage." (1 page)
11. 04/01/83 NRC Internal Meeting Notice "Trojan-Spirit Lake Dam." (1 page)
12. 04/18/83 NRC Memo "Site Visit to Trojan Plant, Mt. St. Helens and Spirit Lake (5 pages)
13. 04/19/83 HES Note "Trojan NPP - Mt. St. Helens, Spirit Lake." (2 pages)
14. 05/04/83 NRC Memo "Hydrologic Engineering Questions Concerning the Effects of Spririt Lake Breakout on the Trojan Plant." (5 pages)

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15. 03/10/83 Telecon-Gonzales, NRC - Davis, COE "COE Involvement in Mt. St. Helen's Eruption Effects on Columbia River." (1 page)
16. 04/01/83 Telecon-Gonzales, NRC - Daugherty, COE - Portland "Status of COE Request to USGS to Assess the Impact of Mudflows in the Columbia River." (1 page)
17. 04/19/83 Telecon-Fliegel, NRC to Kresch, USGS "Quick Study of Impacts of a Potential Breakout of Spirit Lake on Trojan Plant." (1 page)
18. 04/19/83 Telecon-Gonzales, NRC to Ramirez, COE - Portland - "Capability of COE to do Quick Study of Mudflow Impacts on Trojan." (1 page)
19. 04/19/83 Telecon-Gonzales, NRC to Daugherty, USGS "Followup of April 1 Telecon." (1 page)
20. 04/20/83 Telecon-Fliegel, NRC, to Laird, USGS (Tacoma, WA) "Followup of April 19 Telecon between Fliegel, NRC and Kresch, USGS." (1 page)
21. 04/25/83 Telecon-Gonzales, NRC and Mayer/Donovan/Brown, FEMA, "Status FEMA-USGS Study-Potential Impact of Spirit Lake Breakout on the Columbia River." (1 page)
22. 04/26/83 Telecon-Gonzales, NRC and Flanagan, COE, "Quick Study for NRC on Impact of a Spirit Lake Breakout on the Columbia River and Trojan Plant." (1 page)
23. 05/27/83 NRC Letter to PG&E Co. "Request for Additional Info." (3 pages)
24. 05/27/83 NRC Memo "Request for Procurement Action: RFPA No. NRR-83-109." (1 page)
25. 06/01/83 NRC Letter to USGS, "Interagency Agreement NRC-03-83-109 Analysis of Potential Flood Levels at Trojan NPP." (1 page)
26. 06/08/83 Trojan File Notes (2 pages)
27. 06/18/83 Trojan File Notes (2 pages)
28. 07/01/83 PG&E Co Letter to NRC "Potential Mudflows from Hypothetical Failure of Spirit Lake Blockage (13 pages)
29. 07/11/83 NRC HES File "Notes on PGE Spirit Lake Failure Study." (2 pages)
30. 07/12/83 NRC Memo "Analysis of Potential Flood Levels at Trojan NPP-Phase II." (9 pages)

APPENDIX A
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31. 07/19/83 NRC Memo "PG&E Co Spirit Lake Failure Effects on Trojan."
(3 pages)
32. 07/25/83 NRC Letter to PG&E Co "Request for Additional Info." (4 pages)
33. 09/15/83 NRC Letter to USGS "Potential Mudflows at Trojan NP from
Assumed Failure of Spirit Lake Blockage." (1 page)
34. 11/22/83 Telecon-Gonzales, NRC & Ramirez, COE, Portland "COE Study of
Cowlitz-Toutle River Study." (1 page)
35. 12/05/83 NRC Note "COE Action to Solve the Spirit Lake Problem."
(14 pages)
36. 02/07/84 NRC Memo "Mt. St. Helens Volcano-Eruption Alert." (1 page)
37. 02/7-8/84 Telecon-Gonzales, NRC, and Kroll, USGS "Columbia River Flow at
Trojan." (1 page)
38. 02/07/84 Telecon-Gonzales, NRC, and Delwitz, COE "Columbia River Flow."
(1 page)
39. 02/08/84 Telecon-Gonzales, NRC, and Mathison, NWS "Info on Columbia
River Flow." (3 pages)
40. Undated Discharge/Frequency Curves for Columbia River (3 pages)
41. 02/10/84 Note to Files-Telecon Gonzales, NRC, and Swift, USGS, regarding
meeting (1 page)
42. 02/14/84 NRC "Preliminary Agenda for Meeting Trojan-Spirit Lake-Mt. St.
Helens on February 23, 1984." (1 page)
43. 02/24/84 NRC Memo "Mt. St. Helens/Trojan Plant Activities in the
Hydrologic Engineering Section." (9 pages)
44. 03/14/84 Telecon-Gonzales, NRC & Swift, USGS "Copies of Transparencies."
(1 page)
45. 05/03/84 Telecon-Gonzales, NRC, Sikonia, USGS "Status of USGS Report."
(1 page)
46. 05/08/84 Telecon-Gonzales, NRC, Sikonia, USGS "Status of USGS Report."
(1 page)

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47. 1984 USGS Report #83-4197, "Preliminary Estimate of Possible Flood Elevations in the Columbia River at Trojan NPP Due to Failure of Debris Blocking Spirit Lake, Washington." (17 pages)
48. Undated NRC Paper "Impact on Trojan of Possible Discharge of Spirit Lake." (2 pages)
49. 05/11/84 NRC Memo "Hydrologic Engineering Report and Recommendations Concerning Spirit Lake and the Trojan Plant." (11 pages)
50. 07/11/84 Telecon-Gonzales, NRC, and Sikonia, USGS "Status of USGS Report for FEMA." (1 page)
51. 08/08/84 NRC Memo "Spirit Lake and Trojan." (8 pages)
52. 10/15/84 Telecon-Lefevre, NRC, and Saeger, COE, Portland "Construction of Spirit Lake Discharge Tunnel." (2 pages)
53. 10/04/84 FEMA Letter to NRC-Report of "Impact of an Outburst of Spirit Lake on the Columbia River." (77 pages)
54. 03/06/85 NRC Memo "Spirit Lake/Trojan Plant Flooding SER." (9 pages)
55. 03/23/85 NRC Memo "Spirit Lake/Trojan Plant Flooding SER." (8 pages)
56. 06/03/80 NRC Note "Trojan Site-Flood Information." (7 pages)
57. 06/12/80 Draft NRC "Request for Additional Info. Trojan Nuclear Plant." (3 pages)
58. Undated Note "Items of Interest - Hydrologic Engineering Section - Trojan." (2 pages)
59. 04/05/84 USGS Letter to NRC "Transmittal of Two Analysis of Potential Mudflow..." (1 page)
60. 03/12/84 USGS Letter to NRC "Copies of Transparency Material Used in 2/23/84 meeting." (15 pages)
61. 02/07/84 USGS Letter to NRC "Transmittal of Geologic Hazards Bulletins 84-5, 84-7, 84-8 and an Internal Review of Comprehensive Plan." (23 pages)

APPENDIX A
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- 62. 1983 USGS Report "Preliminary Estimate of Possible Flood Elevation in the Columbia River at Trojan PP Due to Large Mudflow in the Cowlitz River" by Kresch & Laenan," 1983, Tacoma, Washington. (25 pages)
- 63. 06/20/83 USGS Letter to NRC "Preliminary Finding on Potential Spirit Lake Mudflow Impact on Columbia River and Trojan Nuclear Plant." (3 pages)
- 64. 05/12/83 USGS to NRC "Flood Evaluation at Trojan Plant as a Result of Spirit Lake Breakout." (2 pages)
- 65. 06/05/84 COE Letter "Record of Decision for a Permanent Outlet for Spirit Lake." (6 pages)
- 66. 02/27/84 USGS "Summary of February 23, 1984 Meeting" (6 pages)

APPENDIX B

1. 04/12/78 Testimony before ASLB "Volcanism" by R. B. McMullen, NRC.
Accession No. 8010020604 (30 pages)
2. 07/14/80 DOE Memo "Trojan Plant Issue Related to Mt. St. Helens."
Accession No. 8007280503 (18 pages)
3. 07/25/80 NRC Letter to PGEC "Request for Additional Info."
Accession No. 8008130596 (4 pages)
4. 09/15/80 PGE Co. Letter to NRC "Response to Request for Additional Info."
Accession No. 8009220363 (13 pages)
5. 11/21/80 PGE Co. Letter to NRC "Response to Request for Additional Info."
Accession No. 8011260208 (8 pages)
6. 12/23/80 Copy Letter FEMA to PGEC "Effects of Volcanic Eruption from Mt.
St. Helens on Emergency Plan." Accession No. 8101080440
(2 pages)
7. 03/07/83 FEMA Letter to NRC Transmitting Report "Funding & Determination
for PGEC's Trojan Nuclear Power Plant."
Accession No. 8303150230 (20 pages)
8. 04/12/83 PGEC Co. Letter to NRC "Potential Mudflow from the Hypothetical
Failure of Spirit Lake Blockage."
Accession No. 8304180488 (2 pages)
9. 07/01/83 PGEC Letter to NRC "Potential Mudflow from the Hypothetical
Failure of Spirit Lake Blockage."
Accession No. 8307110003 (13 pages)
10. 09/02/83 PGEC Co. Letter to NRC "Response to Q's on Hypothetical Failure
of Spirit Lake Blockage." Accession No. 8309120279 (6 pages)
11. 04/11/84 NRC Staff Meeting Summary. Accession No. 8404250188 (20 pages)
12. 04/11/84 NRC-Summary of February 23, 1984 Meeting Re: "Spirit Lake
Blockage and Flooding Potential at Trojan."
Accession No. 8404250188 (20 pages)
13. 06/08/84 NRC Letter to PGE with enclosed SER, EIA, etc. on SFP License
amendment. Accession No. 8406220001 (54 pages)
14. 07/31/84 FEMA Letter to PGE Re: Flood Levels Resulting from a Spirit
Lake Breach. Accession No. 8409060001 (1 page)