

INDEX FOR TROJAN CONTROL BUILDING DOCUMENT ROOM

Dated SEPTEMBER 8, 1978

Document File No.	Description
1	Trojan Preliminary Safety Analysis Report, Volumes 1 thru 4
2	Trojan Final Safety Analysis Report, Volumes 1 thru 9
3	Trojan Operating License and Appendices
4	Docketed Correspondence Between NRC and PGE
4A	Correspondence April 28, 1978 thru July 7, 1978
4B	Correspondence July 7 to Present
5	Related Licensing Correspondence (Including Internal Correspondence, Meeting Notes, Telecons, etc.)
6	PGE - Bechtel Communications on Current Problems
7	Drawings
8	Transcripts of Control Building Hearings
8A	Intervention Hearing, July 24 and 25, 1978
8B	Prehearing Conference, August 14, 1978
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9B	Control Building NCRs, Letters of Inspection, Change Order Memos
9C	Control Building Construction Photos
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9E	QA Records
10	Bechtel Topical Report BC-TOP-4 (1971)
11	Uniform Building Code UBC 67
12	ACI Code, ACI 318-63 (June 63)
13	Bechtel-Supplied Documentation Volume I Original Design Calculations 1970 through 1975 Volume II Seismic Analysis May 11, 1971 Volume III As-Built Seismic Reanalysis May-June 1978



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<u>Document File No.</u>	<u>Description</u>
14	Intervenor/Petitioner File
14A	Interrogatories
15	Need for Power File
16	Reference Report and Studies
17	Trojan Plant Operating Manual
18	Trojan Environmental Report

AUGUST 21, 1978

CONTROL BUILDING DOCKET CORRESPONDENCE

<u>Number</u> <u>BOOK A</u>	<u>Date</u>	<u>Subject</u>
1	April 28, 1978	PGE letter to NRC informing them of nonconformance.
2	May 2, 1978	NRC letter to PGE requesting information.
3	May 5, 1978	Licensee Event Report (LER) 78-13.
4	May 9, 1978	NRC memorandum, "Summary of Meeting Held on May 1, 1978 to discuss Control Building Design Criteria Nonconformance".
5	May 19, 1978	Oregon Department of Energy letter to NRC.
6	May 24, 1978	PGE to NRC letter, Supplemental Information to LER 78-13.
7	May 24, 1978	Summary of meeting held on May 19, 1978 with PGE and Bechtel.
8	May 26, 1978	PGE to NRC letter in regard to NRC memorandum of May 2 on meeting.
9	May 26, 1978	Public Information Release, "NRC Staff to Require further Earthquake Protection Measures at Trojan".
10	May 26, 1978	NRC Order for modification of License and Safety Evaluation.
11	June 16, 1978	PGE petition to the NRC for an emergency order allowing temporary operation and memorandum dated June 14, 1978 supporting issuance of an emergency order allowing temporary operation.
12	June 16, 1978	NRC letter to Oregon DOE.
13	June 23, 1978	Letter to NRC from Public Utility Commissioner of Oregon in support of petition to operate Trojan.
14	June 20, 1978	Letter from Bob Straub to NRC in support of petition to operate Trojan.
15	June 23, 1978	NRC Staff response to petition for emergency order.
16	June 20, 1978	Letter to NRC from DOE regarding operation of Trojan.

AUGUST 21, 1978

CONTROL BUILDING DOCKET CORRESPONDENCE (Continued)

<u>Number</u>	<u>Date</u>	<u>Subject</u>
17	June 23, 1978	NRC memorandum on summary of meeting held on June 15, 1978 with PGE and Bechtel to discuss proposed modifications to the Control Building.
18	June 30, 1978	Goodwin letter to Edson Case, "Proposed Schedule of Actions".
19	July 7, 1978	NRC order denying petition by PGE to allow temporary operation of Trojan.
<u>BOOK B</u>		
20	June 21, 1978	Licensees' Petition for an Emergency Order Allowing Temporary Operation of the Trojan Nuclear Plant.
21	June 30, 1978	Response to Licensee's Petition for an Emergency Order Allowing Temporary Operation of the Trojan Nuclear Plant.
22	July 7, 1978	Notice and Order to Special Prehearing Conference - ASLB.
23	July 7, 1978	NRC letter transmitting Dr. Miller's letter of June 20, 1978 - Control Building Design Errors.
24	July 21, 1978	NRC letter to C. Goodwin setting forth proposed construction schedule.
25	July 27, 1978	NRC-ASLB Order Concerning Requests for Hearing and Intervention Petitions.
26	July 21, 1978	Certificate of Service - Licensees' Motion for Consolidation of Intervenors, Licensees' Motion for Prompt Consideration of Interim Operation of the Trojan Nuclear Plant, and Licensees' Proposed Agenda.
27	July 21, 1978	Motion for Consolidation of Intervenors.
28	July 21, 1978	Motion for Prompt Consideration of Interim Operation of the Trojan Nuclear Plant.
29	July 24-25, 1978	Licensees' Proposed Agenda Pre-Hearing Conference.
30	July 28, 1978	Licensees' Letter and Attachments to Members of the Board and Licensees' Document Room Use Instructions.

SEPTEMBER 8, 1978

CONTROL BUILDING DOCKET CORRESPONDENCE (Continued)

<u>Number</u>	<u>Date</u>	<u>Subject</u>
31	July 28, 1978	NRC Notice of Hearing on Order for Modification of License and of Special Prehearing Conference.
32	July 31, 1978	C. Goodwin letter to A. Schwencer - security perimeter barrier.
33	August 1, 1978	NRC - Notice of Evidentiary Hearing.
34	August 2, 1978	Certificate of Service - Licensee's Letter to the Director of Nuclear Regulation and Licensee's Attorney's Notice of Appearance.
35	August 7, 1978	NRC Mailgram Rescheduling of Prehearing Conference on August 14, 1978.
36	August 3, 1978	NRC Summary of Site Visit and Meeting Held on July 6, 1978, at the Trojan Site to Discuss the Trojan Control Building.
37	August 19, 1978	D. J. Broehl letter to NRC transmitting NRC Staff Questions and Licensee Responses, August 4 through 17 plus Control Building Certificate of Service transmitting same.
38	August 21, 1978	PGE letter to NRC transmitting final NRC Questions and our Response and supplementary information to previous responses plus Control Building Certificate of Service.
39	August 25, 1978	NRC Staff Interrogatories to, and request for the production documents from, the Licensee.
40	August 25, 1978	NRC Inspection of Bechtel Power Corporation Trojan Nuclear Project Conducted August 16-18, 1978 (78-15).

SEPTEMBER 8, 1978

RELATED LICENSING CORRESPONDENCE

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1	April 13, 1978	Memo - D. J. Broehl to W. J. Lindblad - potential noncompliance with design criteria
2	April 13, 1978	Telecon - D. J. Broehl to NRC Region V and Washington - potential reportable design problem
3	May 2, 1978	Letter from DOE to Oregon State University asking assistance in evaluating the design adequacy of the Control Building
4	May 10, 1978	Telecon by NRC Bethesda to PGE and Bechtel - Control Building LER No. 78-13 and supplement to the Trojan Control Building report of May 5, 1978
5	May 15, 1978	Telecon - from the NRC to PGE - seismic design and analysis request for additional information
6	May 24, 1978	Bob Packwood letter to Carlton C. Kammerer at the NRC - asking to be informed as to what response the NRC is making to the recent safety violation
7	June 13, 1978	Statement of W. J. Lindblad before the EFSC
8	June 15, 1978	Memo - S. R. Christensen to B. D. Withers - Emergency Instruction EI-7
9	June 16, 1978	NRC letter to Dr. Fred D. Miller, DOE, responding to letter of May 19, 1978
10	June 23, 1978	Telecon - C. Trammell to G. Zimmerman - informing us that the NRC staff attorneys had reviewed the NRC order of May 26, 1978
11	June 23, 1978	Memo - G. A. Zimmerman to D. I. Herborn - schedule of events concerning Control Building
12	June 23, 1978	PUC letter to NRC giving their support for the petition
13	June 27, 1978	Memo - G. A. Zimmerman to J. L. Frawing - PGE-Bechtel meeting with NRC on Control Building
14	June 29, 1978	ASLB rule on petitions
15	July 11, 1978	G. A. Zimmerman memo - Control Building topical report

RELATED LICENSING CORRESPONDENCE

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16	July 12, 1978	Telecon - H. Sager, PGE, to B. Albert, NRC, Trojan Control Building - annex
17	July 28, 1978	Robert Short letter to Charles Davis relating financial aspects of the shutdown of the plant
18	August 7, 1978	Mailgram to NRC from Bob Packwood urging the NRC to expedite proceedings regarding operation of Trojan
19	May 5, 1978	Minutes - Plant Review Board Friday, May 5, 1978, 4:15 p.m.
20	May 5, 1978	Nuclear Operations Board meeting No. 65, Friday, May 5, 1978, at 3:30 p.m., Service Building 1, GLAD conference room
21	April 28, 1978	10 CFR 21 committee finding on the structural adequacy of the Control Building at Trojan
22	August 22, 1978	NRC staff statement
23	August 22, 1978	Lowenstein letter to Miller, Paxton, McCollom, relating that further analysis of the Control Building's structural capability will be necessary
24	August 23, 1978	PGE press release stating it has notified the NRC that we are unable to meet the deadline for submitting testimony for a scheduled September 6 hearing

PGE-BECHTEL COMMUNICATIONS ON CURRENT PROBLEM

Table of Contents

1. Conference Agenda - April 27, 1978.
2. D. J. Broehl Letter of July 12, 1978 to J. F. O'Leary Regarding Trojan Control Building Structural Support System.
3. Bechtel Letter of May 10, 1978 to W. J. Lindblad Regarding the Trojan Nuclear Power Plant - Job 11760, Control Building.
4. Bechtel Letter of May 8, 1978 to R. L. Sullivan Regarding Transmittal of Analysis of the Trojan Control Building.
5. Bechtel Letter of April 28, 1978 to W. J. Lindblad Regarding Trojan Nuclear Power Plant - Job 11760, Control Building.
6. Bechtel Statement of August 22, 1978 to PGE Confirming Results of Several Past Control Building Analysis by a Different Methodology.
7. Bechtel Letter August 25, 1978 to PGE - Control Building Seismic Information.

DRAWINGS

<u>Number</u>	<u>Title</u>	<u>Revision Number</u>
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Drawing Group 1

Control Building general plan location in the Trojan Plant power block and adjacent structures' general utilization corresponding to the Control Building floor elevations.

A-3	General Plant Floor Plan, El 45'	
A-4	General Plant Floor Plan, El 61', 63', 69', 77'	8
A-5	General Plant Floor Plan, El 93'	9

Drawing Group 2

Architectural Drawings illustrating the specific layout of, and details for, Control Building (wall slabs and utilization) over the height of the structure.

A-29	Control Building Floor Plan, El 45'	13
A-30	Control Building Floor Plan, El 61' & 65'	12
A-31	Control Building Floor Plan, El 77'	11
A-32	Control Building Floor Plan, El 93'	18
A-33	Control Building Floor Plan, El 102'6", 105', Intermediate Elevations	13
A-34	Control Building Sections D-D and H-H; Details	10
A-35	Details	9
A-3E	Details	3

Drawing Group 3

Structural concrete and concrete masonry drawings for the Control Building providing the layout and details for the reinforced concrete floor slabs and lateral load carrying composite reinforced concrete block reinforced concrete core walls.

C-101	Typical Details Concrete Sheet 1	7
C-102	Typical Details, Concrete Sheet 2	6
C-103	Typical Details, Concrete Sheet 3	8
C-701	Control Building Ground Floor Foundation Plan	1
C-702	Control Building Ground Floor Plan of Area 6	5
C-406	Turbine Building Ground Floor Sections and Details, Sheet 1	10
C-523	Fuel and Auxiliary Buildings Floor at El 45'; Concrete Sections and Details, Sheet 1	7
C-707	Control Building Floors at El 61' & 65', Plan of Area 6	8

DRAWINGS

C-708	Control Building Floors at El 61' & 65'; Concrete Sections and Details	3
C-713	Control Building Floor at El 77', Plan of Area 6	6
C-714	Control Building Floor at El 77', Concrete Sections and Details	4
C-719	Control Building Operating Floor, Plan of Area 6	11
C-720	Control Building Operating Floor; Concrete Sections and Details	5
C-721	Control Building Floors at El 102'6", 105'; Plan of Area 6	5
C-722	Control Building Floors, El 102'6", 105'; Concrete Sections and Details	2
C-723	Control Building Roof Plan, Area 6	5
C-724	Control Building Roof Concrete Sections and Details	4

Drawing Group 4

Structural drawings and details for the Control Building structural steel vertical load carrying space frame.

C-725	Control Building Exterior Elevations at Lines 41, 55, N & R	6
C-730	Control Building Longitudinal Section Looking East	5
C-731	Control Building Cross Section Looking North	5
C-734	Control Building Floor at El 65' & 61'; Steel Framing Plan and Sections	7
C-738	Control Building Floor at El 77'; Steel Framing Plan and Sections	6
C-742	Control Building Operating Floor; Steel Framing Plan and Sections	7
C-746	Control Building Roof and Mezzanine Floor; Steel Framing and Sections	9
C-750	Control Building Columns, Schedule and Details	6

Drawing Group 5

Mechanical equipment location drawings which illustrate plant systems in, and in close proximity to, the Control Building.

M-7	Equipment Location, Turbine Building; Plan Ground Floor, El 45'	13
M-8	Equipment Location, Turbine Building; Plan Intermediate Levels, El 63'	9

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DRAWINGS

M-9	Equipment Location Turbine Building; Plan Operating Floor, El 93'	8
M-17	Equipment Location Reactor and Auxiliary Buildings; Plan, El 45'	10
M-18	Equipment Location Reactor and Auxiliary Buildings Plan, El 61'	11
M-19	Equipment Location Reactor and Auxiliary Buildings Plan, El 77'	8
M-20	Equipment Location, Reactor and Auxiliary Buildings; Plan Operating Floor and Above	7

Drawing Group 6

Concrete and Structural Drawings Illustrative of Structural Elements
of Auxiliary Building, Fuel Building and Spent Fuel Pool

A-11	General Plant Sections B-B, C-C and G-G	4
C-519	Fuel and Auxiliary Buildings floor at El 45' 0"	9
C-534	Fuel and Auxiliary Buildings floor at El 61' 0"	3
C-544	Fuel and Auxiliary Buildings floor at El 77' 0"	4
C-554	Fuel and Auxiliary Buildings floor at El 93' 0"	11
C-571	Fuel and Auxiliary Buildings Fuel Pool Sections and Details, Sheet 1	5
C-572	Fuel and Auxiliary Buildings Fuel Pool Sections and Details, Sheet 2	5
C-612	Fuel and Auxiliary Buildings Cross-Section on Lines "F" and "C" Looking East	4

HISTORICAL FILES1. Bechtel Power Corporation and Hoffman Construction Company
Inspection Letters:

July 22, 1975 - Bechtel to Hoffman - BF-F04-2861
June 24, 1974 - Bechtel to Hoffman - BF-F04-2463
June 17, 1974 - Bechtel to Hoffman - BF-F04-2448
July 11, 1975 - Hoffman to Bechtel - Fld. F04-1255
July 9, 1975 - Hoffman to Bechtel - Fld. F04-1254
March 24, 1975 - Bechtel to Hoffman - BF-F04-2769
December 6, 1971 - Hoffman to Bechtel - Fld. 294

2. Bechtel Power Corporation and Hoffman Construction Company
Change Order Memorandums:

September 8, 1971 - Hoffman to Bechtel - Fld. 186

3. Bechtel Power Corporation and Hoffman Construction Company
Non Conformance Reports:

November 8, 1974 - Hoffman to Bechtel - Ptd-F04-1792
October 24, 1973 - Hoffman to Bechtel - Ptd. 1466
October 18, 1973 - Bechtel to Hoffman - BF-F04-1876
August 6, 1973 - Hoffman to Bechtel - Ptd 1365
August 1, 1972 - Bechtel to Hoffman - BF-F04-1129
August 1, 1973 - Bechtel to Hoffman - BF-F04-1727
June 20, 1973 - Bechtel to Hoffman - BF-F04-1665
May 21, 1973 - Bechtel to Hoffman - BF-F04-1624
March 26, 1973 - Bechtel to Hoffman - BF-F04-1515
February 19, 1973 - Bechtel to Hoffman - BF-F04-1450
December 7, 1971 - Bechtel to Hoffman - BF-F04-706
May 12, 1972 - Bechtel to Hoffman - BF-F04-1022
April 11, 1972 - Bechtel to Hoffman - BF-F04-966
February 21, 1972 - Bechtel to Hoffman - BF-F04-878
January 13, 1972 - Bechtel to Hoffman - BF-F04-805
November 19, 1971 - Bechtel to Hoffman - BF-F04-672

AUGUST 14, 1978

TROJAN PHOTOGRAPH FILE
CONTROL BUILDING

TROJAN WEEKLY PROGRESS PHOTOS

#136	Control Building
#149	Control Building
#177	Control Building
#178	" "
#193	" "
#217	" "
#343	" "
#364	" "
#402	Control Building
#411	Control Building El. 77'
#421	" " "
#435	Control Building @ El. 77' Slab
#450	Control Building - Concrete Block Wall Installation on South side.
#464	Control Building
#520	Control Building El. 93' floor
#525	" " " "
#562	Control Building Roof
#574	Control Building El. 93'
#575	Control Building Roof
#587	Control Building El. 93'
#616	Control Building El. 65'
#627	Control Building Roof
#703	Cable Tray Supports Control Building - El. 65'
#716	Control Building @ El. 65'
#733	Control Building West Wall
#785	Reactor - Aux. Building and Control Building
#803	Control Building

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AUGUST 14, 1978

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TROJAN WEEKLY PROGRESS PHOTOS

#888	Control Building
#1119	Control Building
#1222	Control Building El. 93'
#1229	" " "
#1283	Computer installation in Control Building El. 77'
#1284	Control Building El. 93'
#1286	Control Building Roof
#1414 (Book 8)	Control Room El. 93'
#1467	Control Room
#1639	Control Building Rm. #15 El. 45'
#1691	Control Building " " "
#1761	Control Room
#1762	Control Room

TROJAN PHOTOS PROGRESS PICTURES

#913	Steel for Control Building
#924	Control Building

NOTE: All photos included in this file are not listed above.

AUGUST 14, 1978

HISTORICAL FILES

1. Technical Correspondence:

May 12, 1978 - Telecon - Jim Kotler, Bechtel, to T. E. Bushnell, PGE, -
TEB-4-78T

March 21, 1975 - Hoffman to Bechtel - Fld.-F04-1223

February 5, 1975 - Bechtel to Hoffman - BF-F04-2701

November 26, 1974 - Hoffman to Bechtel - Fld-F04-1187

June 11, 1974 - Hoffman to Bechtel - Fld. 1110

June 6, 1974 - Bechtel to Hoffman - BF-F04-2436-R

April 11, 1974 - Hoffman to Bechtel - Fld. 1059

June 1, 1973 - Bechtel to Hoffman - BF-F04-1645

May 2, 1973 - Bechtel to Hoffman - BF-F04-1585

October 18, 1972 - Bechtel to Hoffman - BF-F04-1243

May 24, 1972 - Bechtel to Hoffman - BF-F04-1013

April 10, 1972 - Bechtel to Hoffman - BF-F04-961

January 17, 1972 - Bechtel to Hoffman - BF-F04-773

January 10, 1972 - Hoffman to Bechtel - Fld. 348

January 4, 1972 - Bechtel to Hoffman - BF-F04-777

October 26, 1971 - Bechtel Meeting Notes, F04 Construction Progress

October 15, 1971 - Bechtel F04 Problem Areas Meeting Notes

July 2, 1971 - Bechtel to Hoffman - BF-F04-184

May 26, 1971 - Bechtel to Hoffman - BF-F04-080

April 1971 - Hoffman Construction Company Quality Assurance Manual
Section HQA-5, Procurement Document Control Procedure

June 4, 1969 - Gen. Itschner letter to Peter Karpa

May 26, 1969 - Memo - E. C. Itschner to A. J. Porter and
R. H. Millsap - Layout of Control Building

2. Control Building CS24:

June 30, 1978 - Letter C. Goodwin to Edson Case, NRC.

June 16, 1978 - NRC letter to Dr. Miller, DOE

June 1978 - David B. McCoy petition for Public Hearing

June 7, 1978 - Telecon - G. Zimmerman to C. Trammell -
GAZ-T35-78

May 26, 1978 - Edson Case letter to C. Goodwin - design errors

May 22, 1978 - Telecon to C. Trammell/K. Herring - GAZ-T30-78

May 10, 1978 - D. W. Halligan, Bechtel, letter to W. J. Lindblad, BP-9172

May 10, 1978 - Telecon - NRC to PGE - TEB-5-78T

May 9, 1978 - Memo - Grotenhuis to Schwencer

May 15, 1978 - Supplement to the Trojan Control Building Report of 5/5/78

May 2, 1978 - A. Schwencer letter to C. Goodwin

April 28, 1978 - D. J. Broehl letter to A. Schwencer

April 28, 1978 - D. W. Halligan, Bechtel, letter to W. Lindblad, BP-9146

April 13, 1978 - Memo - D. J. Broehl to W. J. Lindblad

August 22, 1975 - Letter S. R. Christensen to W. C. Gangloff, Westinghouse,
PW-586, SRC-1619-75

August 21, 1975 - DEX - Six Floor Seismic Response Curves

HISTORICAL FILES

2. Control Building CS24 - Concluded:

August 26, 1969 - D. J. Broehl letter to Peter Karpa
August 5, 1969 - Bechtel to H. I. Taylor - BP-354
June 19, 1969 - Bechtel to H. I. Taylor
June 4, 1969 - E. C. Itschner to Peter Karpa
May 26, 1969 - A. J. Porter and R. H. Millsap Memo from E. C. Itschner

3. Field Change Request:

July 18, 1974 - No. 2130
November 21, 1973 - No. 1498
February 1, 1973 - No. 585
February 1, 1973 - No. 587
January 29, 1973 - No. 571
February 26, 1973 - No. 640
January 29, 1973 - No. 570
January 24, 1973 - No. 555
November 30, 1972 - No. 434

4. Design Clarification/Variation Requests:

December 17, 1971 - No. 151
December 10, 1971 - Bechtel to Hoffman - BF-F04-713
November 23, 1971 - Bechtel to Hoffman - BF-F04-677
November 15, 1971 - Bechtel to Hoffman - BF-F04-649
October 28, 1971 - Bechtel to Hoffman - BF-F04-605

HISTORICAL FILES

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Quality Assurance Records

1. Quality Assurance Records Microfilm File
2. Control Building Cylinder Strength Records
3. Control Building Wall Placement Records

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Nina Bell

Request for Hearing, June 21, 1978.

PGE Answer to Petition for Hearing, July 6, 1978.

NRC Response to Request for Hearing, July 13, 1978.

PGE Steps to Expedite Discovery in this Proceeding, August 4, 1978.

NRC Staff Interrogatories to, and Request for the Production of Documents from, Consolidated Intervenors Bell, Parson and McCoy, August 9, 1978.

PGE Responses to Interrogatories and Affidavits, August 19, 1978.

Notification of Change of Address and Certificate of Service, August 25, 1978.

Bonneville Power Administration

NRC Staff's Response to Petition to Intervene of BPA.

Estelle Brotherton

Request for Limited Appearance, June 15, 1978.

PGE Answer to Letter Requesting Hearing, July 3, 1978.

Columbia Environmental Council

Request for Hearing, June 16, 1978.

PGE Answer to Petition for Hearing and to Intervene, June 28, 1978.

NRC Response to Request for Hearing, July 10, 1978.

Request for Hearing and Intervention, July 27, 1978.

PGE Steps to Expedite Discovery in this Proceeding, August 4, 1978.

NRC Staff Interrogatories to, and Request for the Production of Documents from Intervenor Columbia Environmental Council, August 9, 1978.

Motion for Evening Hearings and Hearings Held in Columbia County, August 11, 1978.

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Columbia Environmental Council (Concluded)

PGE responses to Interrogatories and Affidavits, August 19, 1978

NRC Letter Enclosing Document, entitled "Motion for Evening Hearings and Hearings Held in Columbia County", August 24, 1978.

Protective Agreement, Gregory Kafoury, August 25, 1978.

Phyllis Cribby

Request for Limited Appearance, June 16, 1978.

PGE Answer to Letter Requesting Hearing, July 3, 1978.

Carl L. Davis

Opinion, June 13, 1978.

John H. Enders

Request for Hearing, June 17, 1978.

PGE Answer to Letter Requesting Hearing, July 3, 1978.

NRC Response to Request for Hearing, June 29, 1978.

NRC Response to Petitioners' Letter of June 29, 1978, July 3, 1978.

Richard Engen

Request for Hearing, June 9, 1978.

PGE Answer to Letter Requesting Hearing, June 28, 1978.

Bonnie Hill

Request for Hearing, June 20, 1978.

PGE Answer to Letter Requesting Hearing, July 3, 1978.

PGE Answer to Letter Requesting Hearing, July 11, 1978.

NRC Response to Request for Hearing, July 10, 1978.

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John A. Kullberg

Request for Hearing, June 4, 1978.

PGE Answer to Letter Requesting Hearing, June 28, 1978.

PGE Answer to Petition to Intervene of June 17, 1978; July 3, 1978.

NRC Staff Response to Request for Hearing, June 23, 1978.

NRC Staff Response to Supplemental Request for Hearing, July 10, 1978.

NRC Response to Petitioners' Letter of June 29, 1978; July 3, 1978.

PGE Responses to Interrogatories and Affidavits, August 19, 1978.

Marjorie Kundiger

Request for Hearing, June 10, 1978.

PGE Answer to Letter Requesting Hearing, June 28, 1978.

NRC Response to Request for Hearing, June 29, 1978.

NRC Response to Petitioners' Letter of June 29, 1978; July 3, 1978.

David B. McCoy

Amended Petition for Public Hearing and Request to Intervene, June 12, 1978.

Petition for Public Hearing, June 7, 1978.

PGE Answer to Petition to Intervene of June 12, 1978; June 23, 1978.

NRC Response to Petitioners' Letter of June 29, 1978; July 3, 1978.

NRC Response to Request for Hearing, July 3, 1978.

PGE Steps to Expedite Discovery in this Proceeding, August 4, 1978.

Objections to the Notice of Evidentiary Hearings (August 1, 1978) and Request for Revision of Order or Certification, August 14, 1978.

Appeal from Ruling on Petition for Leave to Intervene, August 14, 1978.

Set 1 of Interrogatories, August 14, 1978.

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David B. McCoy (Concluded)

NRC Staff Interrogatories to, and Request for the Production of Documents from, Consolidated Intervenors Bell, Parson and McCoy, August 9, 1978.

PGE Responses to Interrogatories and Affidavits, August 19, 1978.

NRC Staff's Response to David B. McCoy Appeal from Ruling on Petition for Leave to Intervene, August 24, 1978.

Protective Agreement, August 19, 1978.

Sharon S. McKeel

Request for Hearing, June 9, 1978.

PGE Answer to Letter Requesting Hearing, June 28, 1978.

Gail Parson

Request for Hearing, June 1978.

PGE Answer to Petition for Hearing and to Intervene, July 5, 1978.

NRC Response to Request for Hearing, July 13, 1978.

PGE Steps to Expedite Discovery in this Proceeding, August 4, 1978.

Interrogatories to the Applicant, August 14, 1978.

NRC Staff Interrogatories to, and Request for the Production of Documents from, Consolidated Intervenors Bell, Parson and McCoy, August 9, 1978.

PGE Responses to Interrogatories and Affidavits, August 19, 1978.

Eugene Rosolie (Coalition for Safe Power)

Request for Hearing, June 16, 1978.

PGE Answer to Petition for Hearing and to Intervene, July 6, 1978.

PGE Amended Answer to Petition for Hearing and to Intervene, July 12, 1978.

NRC Response to Request for Hearing, July 13, 1978.

PGE Steps to Expedite Discovery in this Proceeding, August 4, 1978.

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Eugene Rosolie (Coalition for Safe Power) (Concluded)

NRC Staff Interrogatories to, and Request for the Production of Documents from, Intervenor Coalition for Safe Power, August 9, 1978.

PGE Responses to Interrogatories and Affidavits, August 19, 1978.

Stephen M. Willingham

Petition to Intervene, June 26, 1978.

PGE Answer to Petition for Hearing and to Intervene, July 11, 1978.

NRC Response to Request for Hearing, July 13, 1978.

PGE Steps to Expedite Discovery in this Proceeding, August 4, 1978.

Stephen M. Willingham's Objections to Notice of Evidentiary Hearing and Request for Revision of Order or Certification.

Interrogatories, August 11, 1978.

NRC Staff Interrogatories to, and Request for the Production of Documents from Intervenor Stephen Willingham, August 9, 1978.

Answer to the State of Oregon (in Opposition to Motion of Stephen M. Willingham for a Postponement of Hearing and Request for Certification), August 11, 1978.

Interrogatories to the Applicant, August 16, 1978.

PGE Responses to Interrogatories and Affidavits, August 19, 1978.

Protective Agreement, August 21, 1978.

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NRC Staff Interrogatories to, and Request for the Production of Documents from, State of Oregon, August 9, 1978.

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1. August 19, 1978 Licensee's responses to Consolidated Intervenor's Interrogatories received August 14, 1978; Licensee's responses to Stephen M. Willingham's Interrogatories dated August 11, 1978; Affidavits of Glen E. Bredemeier, D. J. Broehl, J. L. Frewing, Ronald W. Johnson, S. R. Christensen, B. D. Withers, Richard C. Anderson, and George Katanics.

2. August 31, 1978 Licensee's additional responses to Consolidated Intervenor's Interrogatories received August 14, 1978; Licensee's responses to Stephen M. Willingham's Interrogatories dated August 16, 1978; Affidavits of D. J. Broehl, J. L. Frewing, Ronald W. Johnson, Richard C. Anderson and George Katanics; Notices of appearance for Roland F. Banks, Jr., and W. A. Jerry North.

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1. Telecon by Jack Speer, Anaconda, to G. Bredemeier, Power Supply Situation, dated July 13, 1978.
2. Memo from G. Bredemeier to file dated July 11, 1978, Meeting with Idaho Power Company Regarding Boardman Contract.
3. Telecon by G. Bredemeier, PGE, to Cliff Bissell, Idaho Power, dated June 2, 1978, Idaho Power Company Surplus Power.
4. Telecon by G. Bredemeier, PGE, to Hec Durocher, BPA, dated June 2, 1978, Sale of West Kootenay Power.
5. Telecon by G. Bredemeier, PGE, to Bob Lisbakken, PP&L, dated June 2, 1978, PP&L Surplus Power.
6. U. S. Department of Energy - Bonneville Power Administration Power Operation Plan for Period July 21, 1978 through August 20, 1978.

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7. PGE Cumulative Costs for Loss of Trojan Energy - Figure 1.
8. Energy Analysis w/o Trojan.
9. G. Bredemeier Letter to Hector Durocher of BPA dated May 19, 1978 Responding to Letter of May 16, 1978 Concerning Purchase of Energy from West Kootenay.
10. Power Survey - 7-5-78.
11. Telecon by Irv Hedegard/Bob Miller to W. Huddleston, dated July 7, 1978, Energy Purchase.

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12. The Montana Power Company Letter Agreement of July 28, 1978 to Mr. G. E. Bredemeier to purchase excess power and energy.

REFERENCE, REPORTS AND STUDIES

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1. "A Literature Survey-Compressive, Tensile, Bond and Shear Strength of Masonry", by Ronald L. Mayes and Ray W. Clough.
2. "State-of-the-Art" in Seismic Shear Strength of Masonry - an Evaluation and Review", by Ronald L. Mayes and Ray W. Clough.
3. "Precast-Prestressed Concrete Bridges 2. Horizontal Shear Connections", by Norman W. Hanson.
4. "Shear Strength at Low Rise Walls with Boundary Elements", by Felix Barda, John M. Hanson, and W. Gene Corley, PCA 1976 Bulletin #RD 043.01D.
5. "Shear in Concrete Masonry Piers", by Robert Schneider, California State Polytechnic College, Pomona, California.
6. "Seismic Analyses of Structures and Equipment for Nuclear Power Plants", BC-TOP-4, Revision 2, June 1974 --- LOCATED SEPARATELY ON SHELF.
7. "The Benefits of High-Strength Masonry", Dean D. Froerer.
8. "Seismic Research of Multistory Masonry Buildings", University of California, Berkeley, 1972 to 1977, Ronald L. Mayes, Ray W. Clough, Pedro A. Hidalgo and Hugh D. McNiven.