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March 2, 1992

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Atomic Safety and Licensing Board
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Washington, D.C. 20555

IN THE MATTER OF
Alabama Power Company
(Joseph M. Farley Nuclear Plant, Units 1 and 2)
Docket Nos. 50-348-CivP; 50-364-CivP
ASLBP No. 91-626-02-CivP

Dear Administrative Judges:

Please find enclosed Alabama Power Company's list of duplicated pre-marked exhibits.

Respectfully yours,


James H. Miller, III

COUNSEL FOR ALABAMA POWER COMPANY

Enclosure

cc: Certificate of Service

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BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

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James H. Miller, III
Counsel for Alabama Power Company

APCO LIST OF DUPLICATED PRE-MARKED EXHIBITS

(Cross-referenced with corresponding staff exhibits)

APCO#/STAFF#

1. Agenda, 8/26-28/87, regarding EQ seminar at Sandia
APCO exhibit received into evidence, p. 947
2. 4. Generic Letter to All Power Reactor Licensees and Applicants from Frank J. Miraglia - NRC, dated 04/07/88, regarding Modified Enforcement Policy Relating to 10 CFR 50.49, "Environmental Qualification of Electrical Equipment Important to Safety for Nuclear Power Plants" (Generic Letter 88-07); List of Recently Issued Generic Letters attached
Staff Exhibit received into evidence, p. 304
3. 04/13/78 Petition for Emergency and Remedial Action; CLI-78-6; 7 NRC 400, 420
APCO exhibit received into evidence, p. 947
4. IE Circular 78-08 to F. L. Clayton, Jr. - APCo from James P. O'Reilly - NRC, dated 05/31/78, regarding Environmental Qualification of Safety-Related Electrical Equipment of Nuclear Power Plants; List of I.E. Circulars Issued in 1978 attached
APCO exhibit received into evidence, p. 947
5. 10/11/78 letter to James P. O'Reilly transmitting Farley response to IE Circular 78-08: Qualification of Electrical Terminal Blocks; Unavailability of Test Report Due to Terminal Blocks Inside Containment Associates with Containment Isolation Valves, Wide Range and Narrow Range Temperature Monitoring, and Power Operated Relief Valves
APCO exhibit received into evidence, p. 947
6. Letter to F. L. Clayton, Jr. - Alabama Power Co. from James P. O'Reilly dated 02/08/79 regarding I.E. Bulletin No. 79-01: Environmental Qualification of Class IE Equipment; attachments: 1) IE Bulletin No. 79-01 2) List of IE Bulletins Issued in the Past 12 Months 3) List of SEP Plants.
APCO exhibit received into evidence, p. 947
7. 27. Bulletin to F. L. Clayton, Jr. - APCo from James P. O'Reilly -NRC, dated 06/06/79 regarding Supplement I.E. Bulletin 79-01A; attachments: 1) I.E. Bulletin No. 79-01A 2) List of I.E. Bulletins Issued in the Past 12 Months 3) List of SEP Plants
Staff exhibit received into evidence, p. 889
8. Bulletin to F. L. Clayton, Jr. - APCo from James P. O'Reilly -NRC, dated 01/17/80 transmitting I.E. Bulletin No. 79-01B Regarding Environmental Qualification of Class I.E. Equipment; Enclosures dated 01/14/80
APCO exhibit received into evidence, p. 1194
9. CLI-80-21 dated 05/27/80
APCO exhibit received into evidence, p. 947
10. Memo to Z. R. Rosztoczy from Frank Ashe, Joel Paige, William Boothr, and Marilee Slosson, dated 05/27/81, transmitting Trip Report - Audit of Alabama Power Company's Test Data and/or Documentation Concerning Environmental Qualification of Electrical Equipment Per NUREG-0588 for Farley 2 Nuclear Station
APCO exhibit received into evidence, p. 947

11. Letter to R. P. McDonald - APCo from C. E. Murphy - NRC dated 01/15/81 transmitting Report Nos. 50-348/80-38 and 50-364/80-49; Special Inspection Conducted By T. D. Gibbons on 12/02/80 to 12/05/80
APCO exhibit received into evidence, p. 947
12. Technical Evaluation Report entitled Environmental Qualification of Safety Related Electrical Equipment IEB 79-01B Farley Unit No. 1 prepared by N. Merriweather on 12/10/80
APCO exhibit received into evidence, p. 947
13. Letter to F. L. Clayton, Jr. - APCo from Thomas M. Novak -NRC dated 02/13/81 regarding Preliminary Results of NRC Review of EQ's of Safety-Related Electrical Equipment at Farley Plant, Unit No. 1; attachment: Environmental Qualification Report
APCO exhibit received into evidence, p. 947
14. Letter to F. L. Clayton, Jr. - APCo from Steven A. Varga - NRC dated 05/21/81 transmitting NRC Safety Evaluation for the Environmental Qualification of Safety Related Electrical Equipment at Farley Unit No. 1; attachments: Safety Evaluation Report and Technical Evaluation Report dated 11/14/80
APCO exhibit received into evidence, p. 947
15. March 1981 Safety Evaluation Report - Unit 2, Docket No. 50-364, APCo, Supplement No. 6 to NUREG-75/034
APCO exhibit received into evidence, p. 947
16. 01/14/83 Technical Evaluation Report: Review of Licensees' Resolution of Outstanding Issues From NRC Equipment Environmental Qualification Safety Evaluation Reports (F-11 and B-60); Farley Unit 1; prepared by The Franklin Institute
APCO exhibit received into evidence, p. 947
17. 01/17/83 Technical Evaluation Report: Review of Licensees' Resolution of Outstanding Issues from NRC Equipment Environmental Qualification Safety Evaluation Reports (F-11 and B-60); Farley Unit 2; prepared by The Franklin Research Center
APCO exhibit received into evidence, p. 947
18. Letter to F. L. Clayton, Jr. - APCo from Steven A. Varga - NRC dated 02/04/83 transmitting Safety Evaluation Report for Environmental Qualification of Safety Related Electrical Equipment - Farley Unit No. 1
APCO exhibit received into evidence, p. 947
19. Letter to F. L. Clayton, Jr. - APCo from Steven A. Varga - NRC dated 02/04/83 transmitting Safety Evaluation Report for Environmental Qualification of Safety Related Electrical Equipment - Farley Unit No. 2
APCO exhibit received into evidence, p. 947
20. Letter to S. A. Varga - NRC from F. L. Clayton, Jr. - APCo dated 02/29/84 concerning Safety Evaluation Reports and Technical Evaluation Reports Noting Deficiencies Concerning Documentation of Qualification for Several Safety Related Items at FNP; attachments: 1) Summary of Each Deficiency Identified in the TER's for Units 1 and 2; 2) Resolutions to Specific NRC Staff Comments Identified at the 01/11/84 Meeting; 3) Westinghouse Affidavit Requesting Information in Supplements 1, 2, 3 and 4 To Be Withheld from Public Disclosure
APCO exhibit received into evidence, p. 947

21. Safety Evaluations dated 12/13/84 for Units 1 and 2; proposed resolutions for deficiencies identified in Safety Evaluations dated 01/31/83 and in the 01/14/83 and 01/17/83 Franklin TER's and to your proposed that JCO's are not necessary
APCO exhibit received into evidence, p. 947
22. Letter to S. A. Varga - NRC from R. P. McDonald - APCo dated 01/28/85 transmitting Units 1 and 2 Response to Generic Letter 84-24; Sworn Statement that an EQ program is in place, the plant has at least one path to safe shutdown, and equipment is qualified or operating under JCO.
APCO exhibit received into evidence, p. 947
23. FNP Environmental Qualification Program Implementation; FNP-O-ETP-4108, Revision 0
APCO exhibit received into evidence, p. 1060
24. Excerpt from of The Lineman's and Cableman's Handbook, section 33, entitled, "Splicing Cable"
APCO exhibit received into evidence, p. 962
25. 21. Okonite Report No. NQRN-3, Rev. 1, June 30, 1982, entitled, "Nuclear Environmental Qualification Report for Okoguard Insulated Cables and T-95 and No. 35 Splicing Tape"
Staff exhibit received into evidence, p. 442
26. 16. 07/30/87 letter to NRC Document Control Desk from R. P. McDonald transmitting Farley Unit 1 Licensee Event Report No. LER 87-012-00
Staff exhibit received into evidence, p. 442
27. NEQ Test Report 17859-02B performed by Wyle Laboratories: Qualification Test Program on Ray Chem Nuclear Cable Splices, Okonite Tape Splices, Kerite Tape Splices, Scotch Tape Splices and Amp Butt Splices as Installed on Various Wire Insulations at Commonwealth Edison Companies LaSalle Dresden and Quad Cities Generating Stations, volumes 1 and 2 (March 11, 1987)
APCO exhibit received into evidence, p. 962
28. 9. Generic Letter 86-15 entitled "Environmental Qualification of Electric Equipment Important to Safety for Nuclear Power Plants," dated 09/22/86
Staff exhibit received into evidence, p. 304
29. Jesse E. Love resume
APCO exhibit received into evidence, p. 1191
30. James E. Sundergill resume
APCO exhibit received into evidence, p. 1191
31. General Design Criterion 4, 10 CFR Part 50, Appendix A
APCO exhibit received into evidence, p. 1191
32. Regulatory Guide 1.97, Rev. 2.
APCO exhibit received into evidence, p. 1191
33. 2. 08/15/88 Notice of Violation and Proposed Imposition of Civil Penalty (NRC Inspection Report Nos. 50-348, 364/8725 and 50-348, 364/87) transmitted to Alabama Power Company from NRC
34. 3. 08/21/90 Order Imposing a Civil Monetary Penalty at Farley
Staff exhibit received into evidence, p. 304
35. Regulatory Guide 1.89, Rev. 1
APCO exhibit received into evidence, p. 1191

36. IEEE Standard 323-1974, Standard for Qualifying Class IE Electric Equipment for Nuclear Power Generating Stations
APCO exhibit received into evidence, p. 1191
37. IEEE 323-1971, Standard for Qualifying Class IE Electric Equipment for Nuclear Power Generating Stations
APCO exhibit received into evidence, p. 1191
38. APCO Detail Nos. A-172389-172398: generic design details regarding terminations
APCO exhibit received into evidence, p. 1191
39. 25. Wyle Test Report 17947-01 dated 10/08/87 with Addendum I dated 11/19/88
Staff exhibit received into evidence, p. 442
APCO exhibit received into evidence, p. 947.
40. 26. 05/16/90 Qualification of taped splices for use in instrument circuits subject to harsh environments, Waterford Steam Electric Station, Unit 3
Staff exhibit received into evidence, p. 442
41. Circular 50-10 regarding Failure to Maintain Environmental Qualification of Equipment, dated 04/29/80
APCO exhibit received into evidence, p. 1191
42. 23. NUREG-0588, Rev. 1: Interim Staff Position on Environmental Qualification of Safety-Related Electrical Equipment
Staff exhibit received into evidence, p. 442
43. 30. 09/23/87 Electric Hydrogen Recombiner Splices -- Justification for Continued Operation
Staff exhibit received into evidence, p. 304
44. 32. WCAP-7709-L: Electrical Hydrogen Recombiner for Water Reactor Containments, produced by Westinghouse Electric Corp.
Staff exhibit received into evidence, p. 529
45. 29. 09/17/87 Electric Hydrogen Recombiner Splices - Justification for Continued Operation
Staff exhibits received into evidence, p. 529
46. Letter to APCO from Westinghouse regarding 5-to-1 terminations, dated 09/22/87
APCO exhibit received into evidence, p. 1191
47. 31. WCAP-9347: Qualification Testing for Model B Electric Hydrogen Recombiner, produced by Westinghouse Electric Corp.
Staff exhibits received into evidence, p. 529
48. Letter to Thomas Anderson, Westinghouse from John F. Stolz - NRC dated 06/22/78 transmitting evaluation of WCAP 7709L Re: Hydrogen Recombiners
APCO exhibit received into evidence, p. 1191
49. Westinghouse Electric Hydrogen Recombiner Technical Manual
APCO exhibit received into evidence, p. 1191
50. Wyle Test Report 44354-1, dated 03/08/79
APCO exhibit received into evidence, p. 1191

51. 48. 06/15/84 I.E. Information Notice No. 84-47: Environmental Qualification Tests of Electrical Terminal Blocks
APCO exhibit received into evidence, p. 1191
Staff exhibit received into evidence, p. 779
52. APCO response to Circular 78-08 and Notice 84-47 regarding terminal blocks and loop accuracy
APCO exhibit received into evidence, p. 1191
53. Excerpt from IPS-107:Conax Test Report IPS-107 Connection NSS3 Terminal Blocks
APCO exhibit received into evidence, p. 1191
54. Picture of CR151B terminal block taken from vendor's catalogue
APCO exhibit received into evidence, p. 1191
55. 12. Letter to R. P. McDonald - APCo from J. Nelson Grace - NRC dated 02/04/88 transmitting NRC Inspection Report Nos. 50-348/87-30 and 50-364/87-30
Staff exhibit received into evidence, p. 304
56. Graph representing terminal block Connectron Nss3/#16 AWG Wires, Conax Test Report IPS-107; representation of IR values over time.
APCO exhibit received into evidence, p. 1191
57. One-page illustration of Connectron terminal block taken from vendor's catalogue
APCO exhibit received into evidence, p. 1191
58. Qualification test reports for GE CR151B terminal blocks
59. 11/24/87 Justification for Continued Operation Unit 1 - Terminal Blocks Used in Instrument Circuits
60. 39. Raychem Report EDR 5033/Wyle report 58442-2, dated 04/81
Staff exhibit received into evidence, p. 889
61. Test Report 2BE-1049-3: submergence testing of Chico A/Raychem seal.
APCO exhibit received into evidence, p. 1191
62. 33. Bechtel qualification testing of Raychem seals
Staff exhibit received into evidence, p. 889
63. 40. 02/01/79 Testing and Irradiation of Four Inch Eys Condulet, performed by Southwest Research Institute
Staff exhibit received into evidence, p. 889
64. 47. Letter to R. P. M. Verrelli - NRC from R. P. McDonald - APCo dated 01/08/88 transmitting Additional Documentation Supporting Environmental Qualification of Ray Chem/CHICO Sealant and Terminal Blocks at Farley; attachments: 1) Correspondence from Bechtel Eastern Power Co. to APCo Regarding Ray Chem/CHICO sealant Environmental Qualification Evaluation; 2) Correspondence from DiBenedetto Associates, Inc. to APCo Regarding Qualification of GE and States Terminal Blocks
Staff exhibit received into evidence, p. 779
65. 35. 11/20/85 EQ Test Report of Raychem NEIS Environmental Interface Seal Kits on Stainless Steel Pipe (EDR-6063)
Staff exhibit received into evidence, p. 889

66. Bechtel Drawing No. A-177541: Tray and Conduit General Details and Notes.
Staff exhibit received into evidence, p. 889
67. 54. Limitorque Corporation Nuclear Qualification B0058, Parts and 2
Staff exhibits received into evidence, p. 643
68. 52. Limitorque Report 600198: Limitorque Valve Control Test Report
Staff exhibits received into evidence, p. 643
69. 53. Limitorque Report 600456: Qualification Type Test Report
Staff exhibits received into evidence, p. 643
70. NUGEQ Report "Clarification of Information Related to the Environmental Qualification of
Limitorque Motorized Valve Operators," dated April 1986.
71. Limitorque Report B00119, Rev. 1 dated 11/15/82: "Qualification Type Test Report of Multi-
Point Terminal Strips for Use in Limitorque Valve Actuators for WR Service"
APCO exhibit received into evidence, p. 1191
72. 55. 10/28/83 I.E. Information Notice 83-72: Environmental Qualification Testing Experience
Staff exhibits received into evidence, p. 643
73. 01/14/86 I.E. Information No. 86-03: Potential Deficiencies in Environmental Qualification of
Limitorque Motor Valve Operator Wiring
APCO exhibit received into evidence, p. 1191
74. excerpt from Texaco's 1988 "Lubricating Oil, Grease and Antifreeze Coolant Digest"
APCO exhibit received into evidence, p. 1191
75. Telecopy to Frank Watford from Thomas P. Gregory dated 06/10/76 regarding Texaco Lubricant
Recommendations Per Equipment Lists
APCO exhibit received into evidence, p. 574
76. Wyle Test Report No. 40196-1: Radiation Exposure and Accident Simulation Test Program on
Texaco Greases and Oils dated 12/05/88
APCO exhibit received into evidence, p. 1191
77. Chevron SRI-2 telecopy from Bolt/Bechtel
APCO exhibit received into evidence, p. 1191
- 77a. Robert O. Bolt resume
78. Letter to W. G. Hairston, III - APCo from Caudle A. Julian - NRC dated 10/31/89 transmitting
NRC Inspection Report Nos. 50-348/89-23 and 50-364/89-23; Inspection to Review APCo's
Corrective Actions in Response to Previous Inspection Findings (Bates #57180)
APCO exhibit received into evidence, p. 1297
79. Philip A. DiBenedetto resume
APCO exhibit received into evidence, p. 1297
80. NRC Order dated 03/30/90: EQ civil penalty at H. B. Robinson
APCO exhibit received into evidence, p. 1297

81. NUGEQ Report "Clarification of Information Related to the Environmental Qualification of Limitorque Motorized Valve Operators," dated August 1986.
APCO exhibit received into evidence, p. 1297
82. Vincent S. Noonan resume
APCO exhibit received into evidence, p. 1297
83. License Condition for Farley Unit 2
APCO exhibit received into evidence, p. 305
84. 05/23/85 Evaluation and Status of License Conditions for Joseph M. Farley Unit 2; transmitted from Mr. Steven A. Varga to Mr. R. P. McDonald
APCO exhibit received into evidence, p. 305
85. 08/29/80 correspondence from NRC to APCO transmitting Order for Modification of License
APCO exhibit received into evidence, p. 305
86. Memo to NRC Regional Administrators Regions 1-5 from James Liberman dated 06/21/88 transmitting Guidance for the Preparation of Enforcement Cases Related to EQ Violations; follow-up to Generic Letter 88-07 describing modified enforcement policy for environmental qualification actions
APCO exhibit received into evidence, p. 305
87. Notice of violation for Indian Point Unit 2, dated 11/03/88
APCO exhibit received into evidence, p. 305
88. Notice of violation for Indian Point Unit 3, dated 09/21/88
APCO exhibit received into evidence, p. 305
89. Notice of violation for Susquehanna Units 1 and 2, dated 09/19/88
APCO exhibit received into evidence, p. 305
90. "EQ Scoreboard"
APCO exhibit received into evidence, p. 305
91. Notice of violation for Consumers Power Company's Palisades Nuclear Plant, dated 11/23/88
APCO exhibit received into evidence, p. 305
92. Timeline prepared by Alabama Power Company
APCO exhibit received into evidence, p. 791
93. TI 2515/76 Inspection Module, entitled, "Evaluation of Licensee's Program for Qualification of Electrical Equipment Located in Harsh Environments"
APCO exhibit received into evidence, p. 336
94. Correspondence from NRC to APCO regarding "Summary of Meeting Held on September 24, 1987, Between NRC Staff and APCO Representatives to Discuss Recent Problems Related to Qualification of V-Type Electrical Splices at Farley Site" dated 11/05/87.
APCO exhibit received into evidence, p. 442
95. 09/28/87 correspondence from Wyle Laboratories to APCO regarding Environmental Qualification Test Results on Okonite and 3M Tape Splice Assemblies for the Farley Nuclear Generating Station.
APCO exhibit received into evidence, p. 443

96. Correspondence from Jackie Graham of Southern Company Services to APCO dated 10/29/87, transmitting assessment of V-type tape splices.
APCO exhibit received into evidence, p. 451
97. excerpt from Reliance Manual B-3620-8
APCO exhibit received into evidence, p. 574
98. excerpt from Reliance Manual B-3620-19
APCO exhibit received into evidence, p. 574
99. Installation and Maintenance Manual for Joy Series 1000 Axivane Direct Connected Single and Two Stage Axial Flow Fans
APCO exhibit received into evidence, p. 574
100. excerpt from Reliance Manual B-3628-Rev. 9
APCO exhibit received into evidence, p. 574
101. excerpt from Reliance Manual B-3628-Rev. 10
APCO exhibit received into evidence, p. 574
102. Physical specimen: EA-180 Seal (Cross-section of Raychem root)
APCO exhibit received into evidence, p. 1192
103. Physical specimen: EA-180 Namco Limit Switch (Full version)
APCO exhibit received into evidence, p. 1192
104. Drawing A-177541 Rev. 0, dated 07/16/82: Procedure for Applying Chico-A4 Compound to the Nipple of Namco's EA-180 Limit Switch Where Raychem Break-Out is Attached
APCO exhibit received into evidence, p. 890
105. Physical specimen: V-type splice
APCO exhibit received into evidence, p. 1192
106. Physical specimen: 5-to-1 splice
APCO exhibit received into evidence, p. 1192
107. Physical specimen: T-drain
APCO exhibit received into evidence, p. 1192
108. 09/30/87 correspondence from APCO to NRC regarding 09/24/87 meeting
APCO exhibit received into evidence, p. 947
109. 05/07/86 memo transmitting 05/122/86 NUGEQ memo entitled, "Clarification of Information Related to the Environmental Qualification of Limitorque Motorized Valve Operators"
110. J. E. Love markup of Board Exhibit 1
APCO exhibit received into evidence, p. 1223
111. 1 page excerpt from Sandia report: Figure 2, Phase II Environmental Temperature Profile, Jesse Love markup.
APCO exhibit received into evidence, p. 1223

NOTES

- APCO 39 and Staff 25 have been received into evidence; APCO 39 includes Addendum 1.
- Staff 32, which has been received into evidence, is missing pages; refer to APCO 44.
- Staff 27, which has been received into evidence, is missing pages; refer to APCO 7.