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Electrical Raceway Fire Barrier Systems

	Activity	Responsible Organization	Completed Milestones	Estimated Dates for Future Milestones
1.	Staff issued Information Notice 2005-07, "Results of HEMYC Electrical Raceway Fire Barrier System Full Scale Fire Testing"		April 1, 2005	
2.	Staff issued Generic Letter 2006-03, "Potentially Nonconforming Hemyc and MT Fire Barrier Configurations"		April 10, 2006	
3.	Staff responded to all Generic Letter 2006-03 information requests		December 17, 2007	
4.	Staff finalizes closure plan for fire barrier issues	NRR		November 2008
5.	Staff confirms closure via inspections related to Generic Letter 2006-03 – Hemyc and MT	NRR		December 2008
6.	Staff completes fire barrier actions and documents results	NRR		December 2009

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Fire-Induced Circuit Failures

	Activity	Responsible Organization	Completed Milestones	Estimated Dates for Future Milestones
1.	Letter from S. Collins (NRC) to R. Beedle (NEI) regarding spurious actuations		March 11, 1997	
2.	Staff issues Enforcement Guidance Memorandum 98-002-Disposition of Violations of Appendix R, Sections III.G and III.L Regarding Circuit Failures		March 2, 1998	
3.	EPRI/NEI circuit failure testing performed at Omega Point Laboratories, Elmendorf, Texas		From January to June 2001	
4.	Staff and industry publish through EPRI "Spurious Actuation of Electrical Circuits Due to Cable Fires: Results of an Expert Elicitation"		May 2002	
5.	Staff issued RIS 2004-03, Revision 1, "Risk-Informed Approach for Post-Fire Safe-Shutdown Associated Circuit Inspections."		December 30, 2004	
6.	Staff issued, "Clarification of Post-Fire Safe-Shutdown Circuit Regulatory Requirements"		December 20, 2005	
7.	Commission issued SRM-SECY-2006-0196 - Issuance of Generic Letter 2006-xx, "Post-Fire Safe-Shutdown Circuits Analysis Spurious Actuations"		December 15, 2006	
8.	Staff transmitted SECY 2008-0093, "Resolution of Issues Related to Fire-Induced Circuit Failures" to Commission for action		June 30, 2008	
9.	Staff informs industry of clarification in SECY 2008-0093.	NRR		December 2008*
10.	Staff initiates research into spurious actuation of direct current (DC) circuits	RES		August 2008
11.	Staff finalizes closure plan for fire-induced circuit failures	NRR		November 2008*
12.	Industry revises NEI 00-01	Industry		March 2009*
13.	Staff issues guidance for fire induced circuit failures	NRR		November 2009*
14.	Staff completes DC Circuit Testing	RES		June 2010

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15.	Staff determines additional actions, if any, for spurious actuations involving DC circuits	NRR		September 2010
16.	Licensees resolve fire-induced circuit failure issues	Industry		December 2011**
17.	Staff completes circuit failure actions	NRR		June 2013**

* Pending Commission action
** Pending Commission action and results of DC circuit testing

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10 CFR 50.48(c) - NFPA 805

	Activity	Responsible Organization	Completed Milestones	Estimated Dates for Future Milestones
1.	NFPA 805 issued		February 9, 2001	
2.	10 CFR 50.48(c) promulgated		June 16, 2004	
3.	New 10 CFR 50.48 enforcement policy for NFPA 805		June 16, 2004	
4.	EPRI NRC issue NUREG/CR-6850, Fire PRA NUREG		September 2006	
5.	Industry implementation guidance NEI 04-02, Revision 1 issued		September 2005	
6.	NFPA 805 Enforcement Policy revised to address licensee budgetary cycles to end of 2005 for existing non-compliances		January 14, /2005	
7.	First letter of intent		February 28, 2005	
8.	Second letter of Intent		June 10, 2005	
9.	RG 1.205 issued as guidance for plants adopting NFPA 805		March 2006	
10.	NFPA 805 Enforcement Policy revised		April 18, 2006	
11.	Pilot plant submittals received (pilot plant milestones are shaded yellow)		May 29, 2008 (Harris); May 30, 2008 (Oconee)	
12.	Enforcement policy update sent to Commission	NRC		July 2008
13.	Issues revised Regulatory Guide 1.205 and Standard Review Plan for NFPA 805	NRC		March 2009
14.	Clarification of NUREG/CR-6850 planned	EPRI/RES		March 2009
15.	Pilot plant SERs expected to be issued	NRR		March 2009*
16.	First non-pilot plant submittal expected (first non-pilot plant milestones are shaded pink)	First Non-Pilot Plant		September 2009**
17.	First non-pilot plant submittal SER expected to be issued	NRC		June 2010*
18.	Pilot plants complete modifications	Pilot Plants		November 2010†

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19.	Last non-pilot plant submittals expected (last non-pilot plant milestones are shaded green)	Non-Pilot Plant		August 2011
20.	Last non-pilot plant SER expected to be issued	NRC NRR		February 2012*
21.	Pilot plant review actions completed	NRC		May 2012
22.	First non-pilot plant completes modifications	First Non-Pilot Plant		June 2012†
23.	Last non-pilot plant completes modifications	Final Known Pilot Plant		August 2013†
24.	First non-pilot plant review actions completed	NRC		December 2013
25.	Last non-pilot plant review actions completed	NRC		February 2015

* Completion dates above assume a 9 month review for applications
** Completion dates above assume first non-pilot licensee application received six months after pilot plant SERs issued
† Completion dates above assume 30 months to complete modifications (based on Harris schedule)

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Operator Manual Actions

	Activity	Responsible Organization	Completed Milestones	Estimated Dates for Future Milestones
1.	Commission issues SRM-SECY-04-0233 - Proposed Rulemaking - Post-Fire Operator Manual Actions		January 18, 2005	
2.	Staff issues Fire Protection Program- Post-Fire Operator Manual Actions Federal Register Notice 71 FR 11169, March 1, 2005. Withdrawal of the proposed rule		March 6, 2006	
3.	Staff publishes NRC Regulatory Issue Summary 2006-10 - Regulatory Expectations with Appendix R Paragraph III.G.2 Operator Manual Actions		June 30, 2006	
4.	Staff published NUREG-1852, Demonstrating the Feasibility and Reliability of Operator Manual Actions in Response to Fire		October 2007	
5.	Staff finalizes closure plan for operator manual actions	NRR		November 2008
6.	Enforcement discretion related to Enforcement Guidance Memorandum 07-004 ends	OE		March 2009
7.	Licensees complete corrective actions or requests amendment/exemption	Industry		March 2009
8.	Staff completes actions related to operator manual actions and documents results	NRR		September 2010

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