

ATTACHMENT

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM
FIRST QUARTER FY-97 UPDATE

OFFICE OF NUCLEAR REGULATORY RESEARCH
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GENERIC ISSUE MANAGEMENT CONTROL SYSTEMDESCRIPTION

The Generic Issue Management Control System (GIMCS) provides appropriate information necessary to manage the resolution of safety-related as well as non-safety-related generic issues. For the purpose of this management control system, resolved is defined as the point where the staff's final resolution product is issued and a memorandum summarizing the resolution is issued to the EDO. For safety-related issues, this generally occurs when the resolution has been incorporated into one or more of the following documents:

- | | |
|--------------------------------|------------------------|
| (a) Commission Order | (e) Regulatory Guide |
| (b) NRC Policy Statement | (f) Generic Letter |
| (c) Rule | (g) Bulletin |
| (d) Standard Review Plan (SRP) | (h) Information Notice |

GIMCS is part of an integrated system of reports and procedures that is designed to manage generic safety issues through the stages of prioritization and resolution (development of new criteria, management review and approval, public comments, and incorporation into the regulations, as appropriate). The priority evaluation for each issue listed in this report is contained in NUREG-G933, "A Prioritization of Generic Safety Issues." The Procedures for Identification, Prioritization, Resolution, and Tracking of Generic Issues is outlined in RES Office Letter No. 7, dated February 16 1996, which superseded RES Office Letter No. 1, Revision 4, dated June 2, 1994. (Prior to the NRC reorganization of April 12, 1987, NRR Office Letter No. 40 was used for identifying new issues.)

GIMCS provides the proposed schedules for managing and controlling the resolution of: (1) issues that are ranked HIGH-priority; (2) issues that are ranked MEDIUM-priority; (3) issues for which possible resolutions have been identified for evaluation; (4) issues for which technical resolutions are available (as documented by memorandum, analysis, NUREG, etc.); and (5) other issues designated to receive resources for resolution. Issues ranked as either LOW or DROP are not allocated resources for resolution and, therefore, are not tracked in GIMCS.

Some prioritized generic issues may not have resources allocated for resolution; these issues are listed in GIMCS as inactive issues. Generally, these will be MEDIUM-priority issues that have no safety deficiency demanding high-priority attention, but have the potential for safety improvements or reduction in uncertainty of analysis that may be substantial and worthwhile. Efforts for the resolution of these issues will be planned over the next several years, but on a basis that will not interfere with work on the resolution of HIGH-priority generic issues or other high-priority work. Thus, some (MEDIUM-priority) generic issues may be inactive until such time as resources become available to resolve them. The detailed schedule for resolving generic issues is monitored by GIMCS.

LEGEND

AEBR	-	Accident Evaluation Branch
ANPRM	-	Advance Notice of Proposed Rulemaking
BNL	-	Brookhaven National Laboratory
BTP	-	Branch Technical Position
DE	-	Division of Engineering
DER	-	Division of Engineering Technology
DISP	-	Division of Inspection and Support Programs
DRCH	-	Division of Reactor Controls and Human Factors
DRPE	-	Division of Reactor Projects I/II
DRPM	-	Division of Reactor Program Management
DRPW	-	Division of Reactor Projects III/IV
DSR	-	Division of Systems Technology
DSSA	-	Division of Systems Safety and Analysis
DTR	-	Draft Technical Resolution
EMCB	-	Materials and Chemical Engineering Branch
EMEB	-	Mechanical Engineering Branch
EMMB	-	Electrical, Materials, and Mechanical Engineering Branch
EPRI	-	Electric Power Research Institute
FIN	-	Financial Identification Number
FRN	-	Federal Register Notice
FTR	-	Final Technical Resolution
GL	-	Generic letter
GSI	-	Generic Safety Issue
GSIB	-	Generic Safety Issues Branch
H	-	HIGH-priority GSI
HFBR	-	Control, Instrumentation, and Human Factors Branch
HQMB	-	Quality Assurance and Maintenance Branch
IEB	-	Inspection & Enforcement Bulletin
IN	-	Information Notice
INEL	-	Idaho Nuclear Engineering Laboratory
LI	-	Licensing Issue
M	-	MEDIUM-priority GSI
NR	-	NEARLY-RESOLVED GSI
ORNL	-	Oak Ridge National Laboratory
PD23	-	Project Directorate II-3
PD31	-	Project Directorate III-1
PDND	-	Non-Power Reactor and Decommissioning Project Directorate
PERB	-	Emergency Preparedness and Radiation Protection Branch
PIPB	-	Inspection Program Branch
PNL	-	Pacific Northwest Laboratories
PRA	-	Probabilistic Risk Assessment
PRAB	-	Probabilistic Risk Analysis Branch
RAI	-	Request for Additional Information
RG	-	Regulatory Guide
RGA	-	Related Generic Activity
RI	-	Regulatory Impact
RPSB	-	Reactor and Plant Systems Branch
S	-	Subsumed in Another Issue (No.)
SCSB	-	Containment Systems and Severe Accident Branch
SFPO	-	Spent Fuel Project Office

LEGEND (Cont.)

SOW	-	Statement of Work
SPLB	-	Plant Systems Branch
SRP	-	Standard Review Plan
SRXB	-	Reactor Systems Branch
STS	-	Standard Technical Specification
T/A	-	Technical Assistance
TAP	-	Task Action Plan
TBD	-	To be Determined
TI	-	Temporary Instruction
TS	-	Technical Specification
USI	-	Unresolved Safety Issue

DATA ELEMENTS

Management and control indicators used in GIMCS are defined as follows:

1. Issue No. - Generic Issue Number
2. Title - Generic Issue Title
3. Identification Date - Date the issue was identified
4. Prioritization Date - The date that the prioritization evaluation was approved by the RES Director
5. Type - Generic Safety (GSI), Licensing (LI), or Regulatory Impact (RI)
6. Priority - High (H) or Medium (M)
7. Task Manager - Name of assigned individual responsible for resolution
8. Office/Division/Branch - The Office, Division, and Branch of the Task Manager who has lead responsibility for resolving the issue.
9. Action Level
 - Active - Technical assistance funds appropriated for resolution and/or Task Manager actively pursuing resolution
 - Inactive - No technical assistance funds appropriated for resolution, Task Manager assigned to more important work, or no Task Manager assigned
 - Resolved - All necessary work has been completed and no additional resources will expended
10. Status - Coded summary as follows:
 - NR - (Nearly-Resolved);
 - 3A - (Resolved with requirements);
 - 3B - (Resolved with No requirements);
 - 5 - (Licensing or Regulatory Impact issue that has been assigned resources for completion)
11. TAC Number - Task Action Control (TAC) number assigned to the issue

12. Resolution Date - Scheduled resolution date for the issue
13. Work Authorization - Who or what authorized work to be done on the issue
14. FIN - Financial identification number assigned to contract (if any) for technical assistance
15. Contractor - Contractor name
16. Contract Title - Contract Title (if contract issue)
17. Work Scope - describes briefly the work necessary to technically resolve and complete the generic issue
18. Status - Describes current status of work
19. Affected Documents - Identifies documents into which the technical resolution will be incorporated
20. Problem/Resolution - Identifies problem areas and describes what actions are necessary to resolve them
21. Milestones - Selected significant milestones:
 - (a) the "original" scheduled dates reflect the original Task Action Plan plus additional milestone dates added during task resolution;
 - (b) changes in the original scheduled dates are listed under "Current";
 - (c) actual completion dates are listed under "Actual"

TABLE 1
GENERIC SAFETY ISSUES SCHEDULED FOR RESOLUTION,
ISSUES RESOLVED AND ISSUES INTEGRATED
FY-83 THROUGH FY-97 (1ST QUARTER)

ISSUE TYPE	FY-83				FY-84				FY-85			
	GIs Start +	New Issues -	GIs Resolved =	End	GIs Start +	New Issues -	GIs Resolved =	End	GIs Start +	New Issues -	GIs Resolved =	End
USI	16	0	2	14	14	0	2	12	12	0	0	12
HIGH	24	2	0	26	26	1	1	26	22*	41	6	57
MEDIUM	31	2	0	33	33	4	3	34	28*	1	10	19
NR	20	3	4	19	19	5	9	15	15	11	7	19
TOTAL:	91	7	6	92	92	10	15	87	77	53	23	107

ISSUE TYPE	FY-86				FY-87				
	GIs Start +	New Issues -	GIs Resolved =	End	GIs Start +	New Issues -	GIs Resolved -	GIs Integrated =	End
USI	12	0	1	11	11	0	2	0	9
HIGH	57	(16)*	3	38	38	4	3	7	32
MEDIUM	19	7	2	24	24	1	4	5	16
NR	19	(3)*	3	13	13	0	1	1	11
TOTAL:	107	(12)*	9	86	86	5	10	13	68

*Extensive revisions to Human Factors issues resulted in priority changes.

TABLE 1 (Continued)
 GENERIC SAFETY ISSUES SCHEDULED FOR RESOLUTION,
 ISSUES RESOLVED AND ISSUES INTEGRATED
 FY-83 THROUGH FY-97(1ST QUARTER)

FY-88					
ISSUE TYPE	GIs Start	+	New Issues -	GIs Resolved -	GIs Integrated = End
USI	9		0	5	0
HIGH	32		1	6	3
MEDIUM	16		2	2	3
NR	11		1	3	0
TOTAL:	68		4	16	6

FY-89					
ISSUE TYPE	GIs Start	+	New Issues -	GIs Resolved -	GIs Integrated = End
USI	4		0	4	0
HIGH	24		1	9	0
MEDIUM	13		1	3	1
NR	9		0	2	0
TOTAL:	50		2	18	1

FY-90					
ISSUE TYPE	GIs Start	+	New Issues -	GIs Resolved -	GIs Integrated = End
HIGH	16		0	2	0
MEDIUM	10		1	2	0
NR	7		0	3	0
TOTAL:	33		1	7	0

FY-91					
ISSUE TYPE	GIs Start	+	New Issues -	GIs Resolved -	GIs Integrated = End
HIGH	14		2	2	0
MEDIUM	9		3	1	0
NR	4		1	1	0
TOTAL:	27		6	4	0

FY-92					
ISSUE TYPE	GIs Start	+	New Issues -	GIs Resolved -	GIs Integrated = End
HIGH	14		0	4	0
MEDIUM	11		1	2	0
NR	4		2	1	0
TOTAL:	29		3	7	0

FY-93					
ISSUE TYPE	GIs Start	+	New Issues -	GIs Resolved -	GIs Integrated = End
HIGH	10		0	7	0
MEDIUM	10		0	3	0
NR	5		2	0	0
TOTAL:	25		2	10	0

TABLE 1 (Continued)
GENERIC SAFETY ISSUES SCHEDULED FOR RESOLUTION,
ISSUES RESOLVED AND ISSUES INTEGRATED
FY-83 THROUGH FY-97(1ST QUARTER)

FY-94					
ISSUE TYPE	GIs Start	+	New Issues -	GIs Resolved -	GIs Integrated = End
HIGH	3		1	1	0
MEDIUM	7		1	2	0
NR	7		0	2	0
TOTAL:	17		2	5	0

FY-95					
ISSUE TYPE	GIs Start	+	New Issues -	GIs Resolved -	GIs Integrated = End
HIGH	3		1	0	0
MEDIUM	6		0	0	0
NR	5		1	1	0
TOTAL:	14		2	1	0

FY-96					
ISSUE TYPE	GIs Start	+	New Issues -	GIs Resolved -	GIs Integrated = End
HIGH	4		0	1	0
MEDIUM	6		0	1	0
NR	5		5	1	0
TOTAL:	15		5	3	0

FY-97					
ISSUE TYPE	GIs Start	+	New Issues -	GIs Resolved -	GIs Integrated = End
HIGH	3		0	0	0
MEDIUM	5		0	0	0
NR	9		0	0	0
TOTAL:	17		0	0	0

Table 1A
SUMMARY OF GENERIC SAFETY ISSUES SCHEDULED FOR RESOLUTION,
ISSUES RESOLVED, AND ISSUES INTEGRATED
CUMULATIVE TOTALS
FY-83 THROUGH FY-97(1ST QUARTER)

ISSUE TYPE	GIs Start	+	New Issues	= Sub-Total	-	GIs Resolved	-	GIs Integrated**	= Remainder
USI	16		0	16		16		0	0
HIGH	24		34*	58		45		10	3
MEDIUM	31		18	49		35		9	5
NR	20		28*	48		38		1	9
TOTAL:	91		80	171		134		20	17

* Extensive revisions to Human Factors issues resulted in priority changes in FY-85 and FY-86.

** GIs Integrated

FY-87: Issues 48, 49, and A-30 into Issue 128

Total (13) Issue 65 into Issue 23

Issues 68; 122.1.a; 122.1.b; 122.1.c; and 125.II.1.b into Issue 124

Issues I.B.1.1(6) and I.B.1.1(7) into Issue 75

Issue B-6 into Issue 119.1

Issue 67.7 into 135

FY-88: Issue 77 into A-17

Total (6) Issues I.D.5(5), II.B.5(1), II.B.5(2), II.B.5(3), and II.F.5 were integrated into the Research Activities Program and were reclassified as Licensing Issues.

FY-89:

Total (1) Issue 131 was integrated into the External Events IPE Program.

TABLE 2
NUMBER OF GENERIC SAFETY ISSUES RESOLVED BY FISCAL YEAR
FY-83 THROUGH FY-97 (1ST QUARTER)

PRIORITY	FY-83	FY-84	FY-85	FY-86	FY-87	FY-88	FY-89	FY-90	FY-91	FY-92	FY-93	FY-94	TOTAL
USI	2	2	0	1	2	5	4	0	0	0	0	0	16
HIGH	0	1	6	3	3	6	9	2	2	4	7	1	44
MEDIUM	0	3	10	2	4	2	3	2	1	2	3	2	34
NR	4	9	7	3	1	3	2	3	1	1	0	2	36
Total:	6	15	23	9	10	16	18	7	4	7	10	5	130

PRIORITY	TOTAL FROM ABOVE	FY-95	FY-96	FY-97	TOTAL
USI	16	0	0	0	16
HIGH	44	0	1	0	45
MEDIUM	34	0	1	0	35
NR	36	1	1	0	38
Total:	130	1	3	0	134

TABLE 3
GENERIC SAFETY ISSUES RESOLVED BY FISCAL YEAR

Issue Number	Title	Priority	Resolution Product	Date Approved for Resolution	Date Resolved
<u>FY-83</u>					
A-11	Reactor Vessel Materials Toughness	USI	GL 82-26	01/79	10/82
A-16	Steam Effects on BWR Core Spray Distribution	NR	MPA D-12	NRR-OP FY83	03/29/83
A-39	Determination of Safety Relief Valve (SRV) Pool Dynamic Loads and Temperature Limits for BWR Containment	USI	SRP Revision	01/79	10/82
B-53	Load Break Switch	NR	SRP Revision	NRR-OP FY83	07/28/83
II.E.5.1	(B&W) Design Evaluation	NR	No. Req.	NRR-OP FY83	03/21/83
IV.C.1	Extend Lessons Learned From TMI to Other NRC Programs	NR	No. Req.	NRR-OP FY83	04/15/83
<u>FY-84</u>					
12	BWR Jet Pump Integrity	Medium	No. Req.	NRR-OP FY83	09/25/84
20	Effects of Electromagnetic Pulse on Nuclear Plant Systems	NR	NUREG/CR-3069	NRR-OP FY83	11/15/83
40	Safety Concerns Associated With Breaks in the BWR Scram System	NR	MPA B-65	07/18/83	12/27/83
45	Inoperability of Instruments Due to Extreme Cold Weather	NR	SRP Revision	09/08/83	03/23/84

TABLE 3 (Continued)
GENERIC SAFETY ISSUES RESOLVED BY FISCAL YEAR

Issue Number	Title	Priority	Resolution Product	Date Approved for Resolution	Date Resolved
<u>FY-84 (Cont.)</u>					
50	Reactor Vessel Level Instrumentation in BWRs	NR	MPA F-26	07/28/83	09/06/84
69	Make-Up Nozzle Cracking in B&W Plants	NR	MPA B-43	12/06/83	09/27/84
A-1	Water Hammer	USI	SRP Revision	01/79	03/15/84
A-12	Steam Generator and Reactor Coolant Pump Supports	USI	SRP Revision	01/79	10/83
B-10	Behavior of BWR Mark III Containments	High	SRP Revision	NRR-OP FY83	09/10/84
B-26	Structural Integrity of Containment Penetrations	Medium	No Req.	NRR-OP FY83	09/27/84
B-60	Loose Parts Monitoring Systems (LPMS)	NR	GL	NRR-OP FY83	09/25/84
I.A.1.4	Long-Term Upgrading of Operating Personnel	NR	New Rule	NRR-OP FY83	01/01/84
II.A.1	Siting Policy Reformulation	Medium	No Req.	NRR-OP FY83	09/20/84
II.E.5.2	(B&W) Reactor Transient Response Task Force	NR	NUREG-0667	NRR-OP FY83	09/28/84
III.D.2.5	Offsite Dose Calculation Manual	NR	NUREG/CR-3332	NRR-OP FY83	01/17/84

TABLE 3 (Continued)
GENERIC SAFETY ISSUES RESOLVED BY FISCAL YEAR

Issue Number	Title	Priority	Resolution Product	Date Approved for Resolution	Date Resolved
<u>FY-85</u>					
22	Inadvertent Boron Dilution Events	NR	GL 85-05	11/05/82	10/15/84
A-41	Long Term Seismic Program	Medium	No Req.	NRR-OP FY83	10/10/84
B-19	Thermal-Hydraulic Stability	NR	GL	01/03/85	05/21/85
B-54	Ice Condenser Containments	Medium	NUREG/ CR-4001	NRR-OP FY83	10/22/84
B-58	Passive Mechanical Failures	Medium	No Req.	NRR-OP FY83	07/09/85
C-11	Assessment of Failure and Reliability of Pumps and Valves	Medium	No Req.	NRR-OP FY83	07/09/85
I.A.2.2	Training and Qualifications of Operating Personnel	High	Policy Statement (No Req.)	NRR-OP FY83	06/24/85
I.A.2.6(4)	Operator Workshops	Medium	No Req.	NRR-OP FY83	09/25/85
I.A.2.7	Accreditation of Training Institutions	Medium	Policy Statement (No Req.)	NRR-OP FY83	06/24/85
I.A.3.4	Licensing of Additional Operations Personnel	Medium	Policy Statement (No Req.)	NRR-OP FY83	02/12/85
I.G.2	Scope of Test Program	Medium	No Req.	NRR-OP FY83	10/05/84

TABLE 3 (Continued)
GENERIC SAFETY ISSUES RESOLVED BY FISCAL YEAR

Issue Number	Title	Priority	Resolution Product	Date Approved for Resolution	Date Resolved
<u>FY-85 (Cont.)</u>					
II.B.6	Risk Reduction For Operating Reactors at Sites With High Population Densities	High	No Req.	NRR-OP FY83	09/25/85
II.B.8	Rulemaking Proceedings on Degraded Core Accidents	High	-	-	-
	(a) Hydrogen Rule		Rule/	NRR-OP FY83	07/19/85
	(b) Severe Accidents		Policy Statement	NRR-OP FY83	08/12/85
II.C.1	Interim Reliability Evaluation Program	High	No Req.	NRR-OP FY83	07/09/85
II.C.2	Continuation of Interim Reliability Evaluation Program	High	No Req.	NRR-OP FY83	09/25/85
II.E.2.2	Research on Small-Break LOCAs and Anomalous Transients	Medium	No Req.	NRR-OP FY83	07/25/85
III.A.1.3(2)	Maintain Supplies of Thyroid-Blocking Agent for Public	NR	Policy Statement	NRR-OP FY83	08/15/85
III.A.3.4	Nuclear Data Link	Medium	No Req.	NRR-OP FY83	06/26/85
III.D.2.3(1)	Develop Procedures to Discriminate Between Sites/Plants	NR	ESRP Revision	NRR-OP FY83	08/28/85
III.D.2.3(2)	Discriminate Between Sites and Plants that Require Consideration of Liquid Pathway Interdiction Techniques	NR	ESRP Revision	NRR-OP FY83	08/28/85
III.D.2.3(3)	Establish Feasible Method of Pathway Interdiction	NR	ESRP Revision	NRR-OP FY83	08/28/85

TABLE 3 (Continued)
GENERIC SAFETY ISSUES RESOLVED BY FISCAL YEAR

<u>Issue Number</u>	<u>Title</u>	<u>Priority</u>	<u>Resolution Product</u>	<u>Date Approved for Resolution</u>	<u>Date Resolved</u>
<u>FY-85 (Cont.)</u>					
III.D.2.3(4)	Prepare a Summary Assessment	NR	ESRP Revision	NRR-OP FY83	08/28/85
IV.E.5	Assess Currently Operating Plants	High	No Req.	NRR-OP FY83	09/25/85
<u>FY-86</u>					
3	Setpoint Drift in Instrumentation	NR	Reg Guide Rev. (No Req.)	NRR-OP FY83	05/19/86
14	PWR Pipe Cracks	NR	No Req.	NRR-OP FY83	10/04/85
36	Loss of Service Water	NR	SRP Revision (No Req.)	02/15/84	05/13/86
61	SRV Discharge Line Break Inside the Wetwell Airspace of BWR Mark I and Mark II Containments	Medium	No Req.	11/30/83	08/08/86
A-43	Containment Emergency Sump Performance	USI	SRP Revision (Req.)	01/79	10/85
I.C.9	Long-Term Plan for Upgrading of Procedures	Medium	No Req.	NRR-OP FY83	06/07/85
III.D.3.1	Radiation Protection Plans	High	No Req.	NRR-OP FY83	05/19/86
HF1.2	Engineering Expertise on Shift	High	No Req.	10/01/84	10/28/85
HF1.3	Guidance on Limits and Conditions of Shift Work	High	No Req.	10/01/84	06/26/86

TABLE 3 (Continued)
GENERIC SAFETY ISSUES RESOLVED BY FISCAL YEAR

Issue Number	Title	Priority	Resolution Product	Date Approved for Resolution	Date Resolved
<u>FY-87</u>					
91	Main Crankshaft Failures in Transamerica DeLaval Diesel Generators	NR	NUREG-1216 (No Req.)	07/85	09/87
A-46	Seismic Qualification of Equipment in Operating Plants	USI	GL 87-02 (Req.)	02/81	02/87
A-49	Pressurized Thermal Shock	USI	Rule/Reg. Guide 1.154 (Req.)	12/81	02/87
I.A.2.6(1)	Long-Term Upgrading of Training and Qualifications - Revise Reg. Guide 1.8	High	Reg. Guide 1.8 (Req.)	10/82	05/87
I.A.3.3	Requirement for Operator Fitness	High	No Req.	12/82	01/87
I.A.4.2(1)	Research on Training Simulators	High	Reg. Guide 1.149, Rev. 1 (Req.)	10/84	05/87
I.B.1.1	<u>Organization and Management Long-Term Improvements</u>	-	-	-	
I.B.1.1(1)	Prepare Draft Criteria	Medium	No Req.	12/82	01/87
I.B.1.1(2)	Prepare Commission Paper	Medium	No Req.	12/82	01/87
I.B.1.1(3)	Issue Requirements for the Upgrading of Management and Technical Resources	Medium	No Req.	12/82	01/87
I.B.1.1(4)	Review Responses to Determine Acceptability	Medium	No Req.	12/82	01/87

TABLE 3 (Continued)
GENERIC SAFETY ISSUES RESOLVED BY FISCAL YEAR

Issue Number	Title	Priority	Resolution Product	Date Approved for Resolution	Date Resolved
<u>FY-88</u>					
86	Long Range Plan for Dealing with Stress Corrosion Cracking in BWR Piping	NR	NUREG-0313, Rev. 2, GL 88-01 (Req.)	10/84	01/88
93	Steam Binding of Auxiliary Feedwater Pumps	High	GL 88-03 (No Req.)	10/84	02/88
I.D.4	Control Room Design Standard	Medium	No Req.	NRR-OP FY83	03/88
II.E.4.3	(Containment) Integrity Check	High	NUREG-1273 (No. Req.)	NRR-OP FY83	03/88
B-5	Ductility of Two-Way Slabs and Shells and Buckling Behavior of Steel Containments	Medium	No Req.	NRR-OP FY83	04/88
HF8	Maintenance and Surveillance Program	High	Policy Statement (No Req.)	03/85	05/88
I.A.4.2(4)	Review Simulators for Conformance	High	Rule (Req.)	NRR-OP FY83	05/88
A-44	Station Blackout	USI	Rule/Reg. Guide 1.155 (Req.)	01/79	06/88
43	Reliability of Air Systems	High	GL 88-14 (Req.)	12/87	09/88

TABLE 3 (Continued)
GENERIC SAFETY ISSUES RESOLVED BY FISCAL YEAR

Issue Number	Title	Priority	Resolution Product	Date Approved for Resolution	Date Resolved
<u>FY-88 (Cont.)</u>					
66	Steam Generator Requirements	NR	NUREG-0844 (No Req.)	11/83	09/88
102	Human Error in Events Involving Wrong Unit or Wrong Train	NR	NUREG-1192 (No Req.)	02/85	09/88
125.II.7	Reevaluate Provision to Automatically Isolate Feedwater from Steam Generator During a Line Break	High	NUREG-1332 (No Req.)	09/86	09/88
A-3,4,5	Steam Generator Tube Integrity	USI	NUREG-0844 (No Req.)	01/79	09/88
A-45	Shutdown Decay Heat Removal Requirements	USI	NUREG-1289 (No Req.)	02/81	09/88
<u>FY-89</u>					
51	Proposed Requirements for Improving Reliability of Open Cycle Service Water Systems	Medium	GL 89-13 (Req.)	06/83	08/89
82	Beyond Design Bases Accidents in Spent Fuel Pools	Medium	NUREG-1353 (No Req.)	12/07/83	04/89
99	RCS/RHR Suction Line Interlocks on PWRs	High	GL 88-17 (Req.)	08/85	11/88
101	BWR Water Level Redundancy	High	GL 89-11 (Req.)	05/06/85	06/89

TABLE 3 (Continued)
GENERIC SAFETY ISSUES RESOLVED BY FISCAL YEAR

Issue Number	Title	Priority	Resolution Product	Date Approved for Resolution	Date Resolved
<u>FY-89 (Cont.)</u>					
115	Enhancement of the Reliability of Westinghouse Solid State Protection System	High	NUREG-1341 (No Req.)	07/07/86	07/89
122.2	Initiating Feed-and-Bleed	High	No Req.	01/86	04/89
124	Auxiliary Feedwater System Reliability	NR	2 Plant-Specific Backfits (Req.)	02/86	01/89
125.I.3	SPDC Availability	NR	GL 89-06 (No. Req.)	05/06/88	04/89
134	Rule on Degree and Experience Requirements for Senior Operators	High	Policy Statement (No Req.)	01/86	08/89
A-17	Systems Interaction	USI	NUREG-1174 (No Req.)	01/79	08/89
A-40	Seismic Design Criteria	USI	SRP Revisions (Req.)	01/79	09/89
A-47	Safety Implications of Control Systems	USI	GL 89-19 (Req.)	02/81	08/89
A-48	Hydrogen Control Measures and Effects of Hydrogen Burns on Safety Equipment	USI	Rules (Req.)	02/81	04/89
HF1.1	Shift Staffing	High	Reg. Guide 1.114, Rev. 2 (Req.)	10/01/84	05/89

TABLE 3 (Continued)
GENERIC SAFETY ISSUES RESOLVED BY FISCAL YEAR

Issue Number	Title	Priority	Resolution Product	Date Approved for Resolution	Date Resolved
<u>FY-89 (Cont.)</u>					
HF4.1	Inspection Procedure for Upgraded Emergency Operating Procedures	High	IN 86-64 (No Req.)	10/01/84	10/88
I.F.1	Expand QA List	High	No Req.	NRR-OP FY83	01/89
II.C.4	Reliability Engineering	High	No Req.	NRR-OP FY83	10/88
II.E.6.1	Test Adequacy Study	Medium	GL 89-10 (Req.)	NRR-OP FY83	06/89
<u>FY-90</u>					
70	PORV and Block Valve Reliability	Medium	GL 90-06	05/14/84	06/90
75	Generic Implications of ATWS Events at the Salem Nuclear Power Plant	NR	Req.	10/19/83	05/90
84	CE PORVs	NR	SECY-90-232 (No Req.)	02/27/85	06/90
94	Additional Low-Temperature Overpressure Protection for LWRs	High	GL 90-06 (Req.)	07/23/85	06/90
103	Design for Probable Maximum Precipitation	NR	GL 89-22 (Req.)	09/04/85	11/89

TABLE 3 (Continued)
GENERIC SAFETY ISSUES RESOLVED BY FISCAL YEAR

Issue Number	Title	Priority	Resolution Product	Date Approved for Resolution	Date Resolved
<u>FY-90 (Cont.)</u>					
A-29	Nuclear Power Plant Design for the Reduction of Vulnerability to Industrial Sabotage	Medium	No Req.	NRR-OP FY83	10/89
C-8	Main Steam Line Isolation Valve Leakage Control Systems	High	No Req.	NRR-OP FY83	03/90
<u>FY-91</u>					
128	Electrical Power Reliability	High	GL 91-06, GL 91-11 (Req.)	11/28/86	09/91
130	Essential Service Water System Failures at Multiplant Sites	High	GL 91-13 (Req.)	03/10/87	09/91
135	Steam Generator and Steam Line Overfill	Medium	No Req.	05/27/86	03/91
II.J.4.1	Revise Deficiency Report Requirements	NR	Rule (Req.)	NRR-OP FY83	07/91
<u>FY-92</u>					
29	Bolting Degradation or Failure in Nuclear Power Plants	High	No Req.	NRR-OP FY-83	10/91

TABLE 3 (Continued)
 GENERIC SAFETY ISSUES RESOLVED BY FISCAL YEAR

Issue Number	Title	Priority	Resolution Product	Date Approved for Resolution	Date Resolved
<u>FY-92 (Cont.)</u>					
73	Detached Thermal Sleeves	NR	NUREG/CR-6010 (No Req.)	08/20/91	09/92
79	Unanalyzed Reactor Vessel Thermal Stress During Natural Convection Cooldown	Medium	GL 92-02 (No Req.)	NRR-OP FY-84	05/92
87	Failure of HPCI Steam Line Without Isolation	High	No Req.	09/26/85	12/91
113	Dynamic Qualification Testing of Large Bore Hydraulic Snubbers	High	No Req.	07/02/87	08/92
121	Hydrogen Control for Large, Dry PWR Containments	High	No Req.	09/26/85	03/92
151	Reliability of ATWS Recirculation Pump Trip in BWRs	Medium	No Req.	08/27/91	09/92
<u>FY-93</u>					
105	Interfacing Systems LOCA at LWRs	High	No Req.	06/11/85	06/93
120	On-Line Testability of Protection Systems	Medium	No Req.	11/23/90	03/93
142	Leakage Through Electrical Isolators	Medium	No Req.	06/20/90	03/93

TABLE 3 (Continued)
GENERIC SAFETY ISSUES RESOLVED BY FISCAL YEAR

Issue Number	Title	Priority	Resolution Product	Date Approved for Resolution	Date Resolved
<u>FY-93 Cont.)</u>					
143	Availability of Chilled Water Systems and Room Cooling	High	No Req.	03/29/91	09/93
153	Loss of Essential Service Water in LWRs	High	No Req.	03/29/91	06/93
B-56	Diesel Reliability	High	Reg Guides: 1.9, Rev. 3; 1.160 (Req.)	NRR-OP FY83	06/93
HF4.4	Guidelines for Upgrading Other Procedures	High	No Req.	10/01/84	07/93
HF5.1	Local Control Stations	High	No Req.	10/01/84	06/93
HF5.2	Review Criteria for Human Factors Aspects of Advanced Controls and Instrumentation	High	No Req.	10/01/84	06/93
I.D.3	Safety System Status Monitoring	Medium	No Req.	NRR-OP FY83	09/93
<u>FY-94</u>					
57	Effects of Fire Protection System Actuation on Safety-Related Equipment	Medium	No Req. (NUREG-1472)	06/08/88	02/94
106	Piping and Use of Highly Combustible Gases in Vital Areas	Medium	No Req.	11/03/87	11/93
I.D.5(3)	On-Line Reactor Surveillance Systems	NR	No Req.	NRR-OP FY83	11/93

TABLE 3 (Continued)
GENERIC SAFETY ISSUES RESOLVED BY FISCAL YEAR

Issue Number	Title	Priority	Resolution Product	Date Approved for Resolution	Date Resolved
<u>FY-94 (Cont.)</u>					
II.H.2	Obtain Technical Data on the Conditions Inside the TMI-2 Containment Structure	High	No Req.	NRR-OP FY83	02/94
B-64	Decommissioning of Nuclear Reactors	Nearly-Resolved	Rule (Req.)	NRR-OP FY84	09/94
<u>FY-95</u>					
155.1	More Realistic Source Term Assumptions	Nearly-Resolved	Req. (NUREG -1465)	02/26/92	03/95
<u>FY-96</u>					
15	Radiation Effects on Reactor Vessel Supports	High	No Req. (NUREG -1509)	02/--/89	05/96
24	Automatic Emergency Core Cooling System Switch to Recirculation	Medium	No Req.	07/--/91	10/95
83	Control Room Habitability	NR	No Req. (NUREG/CR -5669)	08/--/83	06/96

TABLE 4
17 GSIs SCHEDULED FOR RESOLUTION (BY FISCAL YEAR)

PRIORITY	FY-97	FY-98	FY-99	FY-00	FY-01	FY-02	TBD	TOTAL
HIGH	23	165 171	-	-	-	-	-	3
MEDIUM	78 158 B-17 B-55 B-61	-	-	-	-	-	-	5
NR	166	190	172 173.A	-	-	-	145 168 170 173.B 191	9
TOTAL:	7	3	2	0	0	0	5	17

TABLE 4A
GENERIC SAFETY ISSUES SCHEDULED FOR RESOLUTION

Issue Number	Title	Lead Office/ Division/Branch	Priority	Date Approved for Resolution	Resolution Date at end of FY-96	Current Resolution Date
23	Reactor Coolant Pump Seal Failures	RES/DER/GSIB	H	NRR-OP FY83	01/97	04/97
165	Spring-Actuated Safety and Relief Valve Reliability	RES/DER/GSIB	H	11/26/93	06/98	06/98
171	ESF Failure from LOOP Subsequent to A LOCA	RES/DER/GSIB	H	06/16/95	06/97	12/97
78	Monitoring of Fatigue Transient Limits for Reactor Coolant System	RES/DER/GSIB	M	07/10/92	11/96	02/97
158	Performance of Safety-Related Power-Operated Valves Under Design Basis Conditions	RES/DER/GSIB	M	01/26/94	08/97	08/97
B-17	Criteria for Safety-Related Operator Actions	RES/DSR/HFBR	M	03/22/82	06/97	06/97
B-55	Improve Reliability of Target Rock Safety Relief Valves	NRR/DE/EMEB	M	NRR-OP FY83	08/97	08/97
B-61	Allowable ECCS Equipment Outage Periods	RES/DSR/PRAB	M	NRR-OP FY83	01/97	04/97
145	Actions to Reduce Common Cause Failures	RES/DSR/PRAB	NR	02/11/92	02/97	TBD
166	Adequacy of Fatigue Life of Metal Components	RES/DER/GSIB	NR	04/01/93	11/96	02/97
168	Environmental Qualification of Electrical Equipment	NRR/DSSA/SPLB	NR	04/01/93	TBD	TBD

Table 4A (Continued)
GENERIC SAFETY ISSUES SCHEDULED FOR RESOLUTION

Issue Number	Title	Lead Office/ Division/Branch	Priority	Date Approved for Resolution	Resolution Date at end of FY-96	Current Resolution Date
170	Reactivity Transients and Fuel Damage Criteria for High Burn-Up Fuel	RES/DSR/RPSB	NR	11/09/94	TBD	TBD
172	Multiple System Responses Program	RES/DSR/PRAB	NR	12/07/95	12/98	12/98
173.A	Spent Fuel Storage Pool: Operating Facilities	NRR/DSSA/SPLB	NR	06/24/96	10/98	10/98
173.B	Spent Fuel Storage Pool: Permanently Shutdown Facilities	NRR/DSSA/SPLB	NR	06/24/96	TBD	TBD
190	Fatigue Evaluation of Metal Components for 60-Year Plant Life	RES/DER/GSIB	NR	08/26/96	12/97	12/97
191	Assessment of Debris Accumulation on PWR Sump Performance	RES/DER/GSIB	NR	09/--/96	TBD	TBD

Total: 17

TABLE 5
NUMBER OF GENERIC ISSUES PRIORITIZED FROM FY-83 THROUGH THE 1ST QUARTER OF FY-97

ISSUE TYPE	FY-83	FY-84	FY-85	FY-86	FY-87	FY-88	FY-89	FY-90	FY-91	FY-92	FY-93	FY-94	Total
Issues Identified to be Prioritized	56	19	54	45*	6	3	38	3	29	7	5	1	266
Issues Identified to be Reprioritized	19	2	0	1	1	2	0	0	0	0	0	0	25
Total:	75	21	54	46	7	5	38	3	29	7	5	1	291
<hr/>													
New Issues (Entered into GIMCS)													
High	2	1	41	6	4	1	1	0	2	0	0	1	59
Medium	2	4	1	1	1	2	0	1	3	2	0	1	18
Nearly-Resolved	3	5	6	1	0	1	0	0	1	2	2	0	21
Sub-total:	7	10	48	8	5	4	1	1	6	4	2	2	98
Resolved	4	0	1	0	0	1	1	1	0	2	1	0	11
Low	1	4	0	2	1	0	0	2	0	4	3	1	18
Drop	1	4	4	6	13	9	2	8	5	24	6	0	82
RI/LI/EI	0	0	4	6	0	2	33	1	1	3	0	0	50
Integrated	8	2	3	6	0	1	1	3	0	5	0	0	29
Total Issues Prioritized:	21	20	60	28	19	17	38	16	12	42	12	3	288
[Annual Progress]/ [Remaining Issues to be Prioritized or Reprioritized:	+54	+1	-6	+18	-12	-12	0	-13	+17	-35	-7	-2]	3

* Extensive Revisions to Human Factors Issues Resulted in Priority Changes.

TABLE 5 (Continued)
NUMBER OF GENERIC ISSUES PRIORITIZED FROM FY-83 THROUGH THE 1ST QUARTER OF FY-97

ISSUE TYPE	Total(B/F)	FY-95	FY-96	FY-97	Total
Issues Identified to be Prioritized	266	2	21	0	289
Issues Identified to be Reprioritized	25	0	3	0	28
Total:	291	2	24	0	317
<hr/>					
New Issues (Entered into GIMCS)					
High	59	1	0	0	60
Medium	18	0	0	0	18
Nearly-Resolved	21	1	5	0	27
Sub-total:	99	2	5	0	105
Resolved	11	0	5	0	16
Low	18	0	0	0	18
Drop	82	0	0	0	82
RI/LI/EI	50	0	7	0	57
Integrated	29	0	0	0	29
Total Issues Prioritized:	288	2	17	0	307
<hr/>					
[Annual Progress]/ Remaining Issues to be Prioritized or Reprioritized:	[3	0	+7	0]	= 10

TABLE 6
GENERIC ISSUES PRIORITIZED AS OF 1ST QUARTER FY-97

Action Item/ Issue No.	Title	Identification Date	Date Prioritized	Current Priority
<u>FY-83</u>				
31	Natural Circulation Cooldown	09/82	07/83	S(I.C.1)
32	Flow Blockage in Essential Equipment Caused by Corbicula	09/82	05/83	S(51)
33	Correcting Atmospheric Dump Valve Opening Upon Loss of Integrated Control System Power	09/82	08/82	S(A-47)
39	Potential for Unacceptable Interaction Between the CRD System and Non-Essential Control Air System	09/82	07/82	S(25)
40	Safety Concerns Associated with Pipe Breaks in the BWR Scram System	09/82	07/83	NR
41	BWR Scram Discharge Volume Systems	09/82	07/83	RESOLVED
42	Combination Primary/Secondary System LOCA	09/82	04/83	S(18)
45	Inoperability of Instrumentation Due to Extreme Cold Weather	09/82	09/83	NR
46	Loss of 125 Volt DC Bus	09/82	02/83	S(76)
47	Loss of Off-Site Power	09/82	04/83	RESOLVED
50	Reactor Vessel Level Instrumentation in BWRs	09/82	07/83	NR
51	Proposed Requirements for Improving the Reliability of Open Cycle Service Water Systems	09/82	06/83	MEDIUM
52	SSW Flow Blockage by Blue Mussels	09/82	05/83	S(51)
56	Abnormal Transient Operating Guidelines as Applied to a Steam Generator Overfill Event	09/82	02/83	S(A-45/I.D.1)
58	Inadvertent Containment Flooding	09/82	08/83	DROP
64	Identification of Protection System Instrument Sensing Lines	10/82	02/83	RESOLVED
65	Probability of Core-Melt Due to Component Cooling Water System Failures	02/83	07/83	HIGH
77	Flooding of Safety Equipment Compartments by Back-Flow Through Floor Drains	06/83	09/83	HIGH
79	Unanalyzed Reactor Vessel Thermal Stress During Natural Convection Cooldown	06/83	07/83	MEDIUM
D-1	Advisability of a Seismic Scram	09/82	06/83	LOW
IV.E.2	Plan for Early Resolution of Safety Issues	09/82	06/83	RESOLVED

TABLE 6 (Continued)
GENERIC ISSUES PRIORITIZED AS OF 1ST QUARTER FY-97

Action Item/ Issue No.	Title	Identification Date	Date Prioritized	Current Priority
<u>FY-84</u>				
34	RCS Leak	09/82	02/84	DROP
35	Degradation of Internal Appurtenances in LWRs	09/82	02/84	LOW
36	Loss of Service Water	09/82	02/84	NR
43	Contamination of Instrument Air Lines	09/82	11/83	DROP
44	Failure of Saltwater Cooling System	09/82	10/83	S(43)
48	LCO for Class IE Vital Instrument Buses in Operating Reactors	09/82	10/83	NR
49	Interlocks and LCOs for Redundant Class IE Tie Breakers	09/82	07/84	MEDIUM
53	Consequences of a Postulated Flow Blockage Incident in a BWR	09/82	09/84	DROP
60	Lamellar Tearing of Reactor Systems Structural Supports	10/82	11/83	S(A-12)
61	SRV Line Break Inside the BWR Wetwell Airspace of Mark I and II Containments	10/82	11/83	MEDIUM
66	Steam Generator Requirements	06/83	11/83	NR
68	Postulated Loss of Auxiliary Feedwater System Resulting from Turbine-Driven Auxiliary Feedwater Pump Steam Supply Line Rupture	06/83	04/84	HIGH
69	Make-up Nozzle Cracking in B&W Plants	06/83	12/83	NR
70	PORV and Block Valve Reliability	06/83	05/84	MEDIUM
75	Generic Implications of ATWS Events at the Salem Nuclear Plant	06/83	10/83	NR
80	Pipe Break Effects on Control Rod Drive Hydraul- ic Lines in the Drywells of BWR Mark I and II Containments	06/83	01/84	LOW
82	Beyond Design Basis Accidents in Spent Fuel Pools	08/83	12/83	MEDIUM
90	Technical Specifications for Anticipatory Trips	02/84	08/84	LOW
92	Fuel Crumbling During LOCA	04/83	07/84	LOW
B-65	Iodine Spiking	09/82	06/84	DROP

TABLE 6 (Continued)
GENERIC ISSUES PRIORITIZED AS OF 1ST QUARTER FY-97

Action Item/ Issue No.	Title	Identification Date	Date Prioritized	Current Priority
<u>FY-85</u>				
37	Steam Generator Overfill and Combined Primary and Secondary Blowdown	09/82	05/85	S(A-47)
54	Valve Operator-Related Events Occurring During 1978, 1979, and 1980	09/82	06/85	S(II.E.6.1)
55	Failure of Class IE Safety-Related Switchgear Circuit Breakers	09/82	03/85	DROP
59	Technical Specification Requirements for Plant Shutdown	10/82	02/85	RI
67	Steam Generator Staff Actions	06/83	03/85	MEDIUM
81	Potential Safety Problems Associated With Locked Doors and Barriers in Nuclear Power Plants	11/83	10/84	DROP
83	Control Room Habitability	11/83	06/84	NR
84	CE PORVs	11/83	02/85	NR
85	Reliability of Vacuum Breakers Connected to Steam Discharge Lines Inside BWR Containments	11/83	07/85	DROP
86	NRC Pipe Cracking Review Group Study	12/83	10/84	NR
87	Failure of HPCI Steam Line Without Isolation	01/84	09/85	HIGH
91	Transamerica Delaval Emergency Diesel Generator Main Crankshaft Failure	03/84	07/85	NR
93	Steam Binding of Auxiliary Feedwater Pumps	07/84	10/84	HIGH
94	Additional Low Temperature Overpressure Protection For Light Water Reactors	08/84	07/85	HIGH
98	CRD Accumulator Check Valve Leakage	09/84	02/85	DROP
99	RCS/RHR Suction Line Interlocks on PWRs	09/84	08/85	HIGH
101	BWR Water Level Redundancy	09/84	05/85	HIGH
102	Human Error in Events Involving Wrong Unit or Wrong Train	09/84	02/85	S(HF-02)
103	Design For Probable Maximum Precipitation	10/84	09/85	NR
105	Interfacing Systems LOCA at LWRs	10/84	06/85	HIGH
108	BWR Suppression Pool Temperature Limits	12/84	02/85	RI(LOW)
119	Piping Review Committee Recommendations	07/85	09/85	RI(NR)
121	Hydrogen Control For Large Dry PWR Containments	08/85	09/85	HIGH

TABLE 6 (Continued)
GENERIC ISSUES PRIORITIZED AS OF 1ST QUARTER FY-97

Action Item/ Issue No.	Title	Identification Date	Date Prioritized	Current Priority
<u>FY-85 (Cont.)</u>				
B-19	Thermal-Hydraulic Stability	02/83	01/85	NR
B-50	Post Operating Basis Earthquake Inspection	02/83	04/85	RI (LOW)
B-59	N-1 Loop Operation in BWRs and PWRs	02/83	06/85	RESOLVED
HF-01	Human Factor Program Plan (HFPP with 24 subtasks)	08/83	10/84	HIGH
HF-02	Maintenance and Surveillance Program Plan (MSPP with 10 subtasks)	04/84	03/85	HIGH
<u>FY-86</u>				
21	Vibration Qualification of Equipment	03/83	06/86	DROP
30	Potential Generator Missiles - Generator Rotor Retaining Rings	09/82	10/85	DROP
74	Reactor Coolant Activity Limits for Operating Reactors	06/83	05/86	DROP
97	PWR Reactor Cavity Uncontrolled Exposures	09/84	10/85	S(III.D.3.1)
111	Stress Corrosion Cracking of Pressure Boundary Ferritic Steels in Selected Environments	01/85	11/85	LI
112	Westinghouse RPS Surveillance Frequencies and Out-of-Service Times	01/85	10/85	RI(R)
114	Seismic-Induced Relay Chatter	03/85	06/86	S(A-46)
115	Reliability of Westinghouse Solid State Protection System	04/85	07/86	HIGH
122.1.a	Common Mode Failure of Isolation Valves in Closed Position	08/85	01/86	HIGH
122.1.b	Recovery of Auxiliary Feedwater	08/85	01/86	MEDIUM
122.1.c	Interruption of Auxiliary Feedwater Flow	08/85	01/86	HIGH
122.2	Initiating Feed-and-Bleed	08/85	01/86	HIGH
122.3	Physical Security System Constraints	08/85	01/86	LOW
124	Auxiliary Feedwater System Reliability	12/85	02/86	NR

TABLE 6 (Continued)
GENERIC ISSUES PRIORITIZED AS OF 1ST QUARTER FY-97

Action Item/ Issue No.	Title	Identification Date	Date Prioritized	Current Priority
<u>FY-86 (Cont.)</u>				
125.I.2.a	PORV Reliability - Test Program	11/85	06/86	S(70)
125.I.2.b	PORV Reliability - Surveillance	11/85	06/86	S(70)
125.I.2.c	Auto Block Valve Closure	11/85	06/86	DROP
125.I.2.d	Equipment Qualification for Feed-and-Bleed Environment	11/85	06/86	S(A-45)
125.II.3	Review Steam/Feed Line Break Mitigation Systems for Single Failure	11/85	08/86	DROP
125.II.4	OTSG Dryout and Reflood Effects	11/85	09/86	DROP
125.II.7	Reevaluate Provisions to Automatically Isolate Feedwater from Steam Generator During Line Break	11/85	09/86	HIGH
125.II.9	Enhance Feed-and-Bleed Capability	11/85	08/86	S(A-45)
125.II.14	Remote Operation of Equipment Which Must Now be Operated Locally	11/85	08/86	LOW
133	Update Policy Statement on Nuclear Plant Staff Working Hours	07/86	07/86	LI
134	Rule on Degree and Experience Requirement	07/86	07/86	HIGH
C-4	Statistical Methods for ECCS Analysis	02/83	06/86	RI(R)
C-5	Decay Heat Update	02/83	06/86	RI(R)
C-6	LOCA Heat Sources	02/83	06/86	RI(R)
<u>FY-87</u>				
113	Dynamic Qualification Testing of Large Bore Hydraulic Snubbers	03/85	07/87	HIGH
125.I.1	Availability of the STA	11/85	07/87	DROP
125.I.4	Plant-Specific Simulator	11/85	02/87	DROP
125.I.7.b	Realistic Hands-On Training	11/85	03/87	DROP
125.I.8	Procedures and Staffing for Reporting to NRC Emergency Response Center	11/85	06/87	DROP

TABLE 6 (Continued)
GENERIC ISSUES PRIORITIZED AS OF 1ST QUARTER FY-97

Action Item/ Issue No.	Title	Identification Date	Date Prioritized	Current Priority
<u>FY-87 (Cont.)</u>				
125.II.1.a	Two-Train AFW Reliability	11/85	10/86	DROP
125.II.1.b	Review Existing AFW Systems for Single Failure	11/85	10/86	HIGH
125.II.1.c	NUREG-0737 Reliability Improvements	11/85	10/86	DROP
125.II.1.d	AFW Steam and Feedwater Rupture Control System/ICS Interactions in B&W Plants	11/85	10/86	DROP
125.II.2	Adequacy of Existing Maintenance Requirements for Safety-Related Systems	11/85	06/87	DROP
125.II.5	Thermal-Hydraulic Effects of Loss and Restoration of Feedwater on Primary System Components	11/85	06/87	DROP
125.II.6	Reexamine PRA Estimates of Core Damage Risk from Loss of All Feedwater	11/85	03/87	DROP
125.II.8	Reassess Criteria for Feed-and-Bleed Initiation	11/85	03/87	DROP
125.II.10	Hierarchy of Impromptu Operator Actions	11/85	02/87	DROP
125.II.12	Adequacy of Training Regarding PORV Operation	11/85	03/87	DROP
127	Testing and Maintenance of Manual Valves in Safety-Related Systems	05/86	06/87	LOW
128	Electrical Power Reliability	05/86	11/86	HIGH
130	Essential Service Water Pump Failures at Multiplant Sites	06/86	03/87	HIGH
135	Steam Generator and Steam Line Overfill	05/86	06/87	MEDIUM
<u>FY-88</u>				
43*	Reliability of Air Systems	04/87	12/87	HIGH
55*	Failure of Class 1E Safety-Related Switchgear Circuit Breakers to Close on Demand	09/85	02/88	DROP
57	Effects of Fire Protection System Actuation on Safety-Related Equipment	09/82	06/88	MEDIUM

* Previous Priority Evaluation Published in NUREG-0933

TABLE 6 (Continued)
GENERIC ISSUES PRIORITIZED AS OF 1ST QUARTER FY-97

Action Item/ Issue No.	Title	Identification Date	Date Prioritized	Current Priority
<u>FY-88 (Cont.)</u>				
62	Reactor Systems Bolting Applications	10/82	08/88	S(29)
88	Earthquakes and Emergency Planning	01/84	10/87	RESOLVED
104	Reduction of Boron Dilution Requirements	10/84	08/88	DROP
106	Piping and Use of Highly Combustible Gases in Vital Areas	10/84	11/87	MEDIUM
125.I.3	SPDS Availability	11/85	05/88	NR
125.I.6	Valve Torque Limit and Bypass Switch Settings	11/85	12/87	DROP
125.I.7A	Recover Failed Equipment	11/85	12/87	DROP
125.II.11	Recovery of Main Feedwater as Alternative to AFW	11/85	06/88	DROP
125.II.13	Operator Job Aids	11/85	03/88	DROP
126	Reliability of PWR Main Steam Safety Valves	03/86	03/88	LI
136	Storage and Use of Large Quantities of Cryogenic Combustibles on Site	09/86	03/88	LI
C-14	Storm Surge Model for Coastal Sites	02/83	05/88	LI(DROP)
III.D.1.1(2)	Review Information on Provisions for Leak Detection	12/82	09/88	DROP
III.D.1.1(3)	Develop Proposed System Acceptance Criteria	12/82	09/88	DROP
<u>FY-89</u>				
15*	Radiation Effects on Reactor Vessel Supports	09/88	02/89	HIGH
125.I.5	Safety Systems Tested in All Conditions Required by Design Basis Analysis	11/85	11/88	DROP
131	Potential Seismic Interaction Involving the Moveable In-Core Flux Mapping System Used in Westinghouse Plants	07/86	07/89	S(IPE)
139	Thinning of Carbon Steel Piping in LWRs.	12/86	11/88	RESOLVED
B-31	Dam Failure Model	02/83	02/89	LI(DROP)
D-2	ECCS Capability for Future Plants	06/83	10/88	DROP

* Previous Priority Evaluation Published in NUREG-0933

TABLE 6 (Continued)
GENERIC ISSUES PRIORITIZED AS OF 1ST QUARTER FY-97

Action Item/ Issue No.	Title	Identification Date	Date Prioritized	Current Priority
<u>FY-90</u>				
63	Use of Equipment Not Classified as Essential to Safety in BWR Transient Analysis	10/82	02/90	DROP
71	Failure of Resin Demineralizer Systems and Their Effects on Nuclear Power Plant Safety	06/83	02/90	LOW
81*	Impact of Locked Doors and Barriers on Plant and Personnel Safety	12/86	02/90	DROP
95	Loss of Effective Volume for Containment Recirculation Spray	08/84	02/90	RESOLVED
96	RHR Suction Valve Testing	04/84	02/90	S(105)
107	Generic Implications of Main Transformer Failures	11/84	02/90	LOW
109	Reactor Vessel Closure Failure	12/84	02/90	DROP
116	Accident Management	04/85	09/90	S
117	Allowable Time for Diverse Simultaneous Equipment Outages	05/85	02/90	DROP
129	Valve Interlocks to Prevent Vessel Drainage During Shutdown Cooling	05/86	02/90	DROP
137	Refueling Cavity Seal Failure	10/86	05/90	DROP
140	Fission Product Removal Systems	03/87	02/90	DROP
141	LBLOCA With Consequential SGTR	04/87	05/90	DROP
142	Leakage Through Electrical Isolators	06/87	06/90	MEDIUM
B-29	Effectiveness of Ultimate Heat Sinks	02/83	08/90	LI(RESOLVED)
B-32	Ice Effects on Safety-Related Water Supplies	02/83	08/90	S(153)
<u>FY-91</u>				
24	Automatic Emergency Core Cooling System Switch to Recirculation	03/83	07/91	MEDIUM
38	Potential Recirculation System Failure as a Consequence of Ingestion of Containment Paint Flakes or Other Fine Debris	09/82	08/91	DROP

TABLE 6 (Continued)
GENERIC ISSUES PRIORITIZED AS OF 1ST QUARTER FY-97

Action Item/ Issue No.	Title	Identification Date	Date Prioritized	Current Priority
<u>FY-91 (Cont.)</u>				
72	Control Rod Drive Guide Tube Support Pin Failures	06/83	10/90	DROP
73	Detached Thermal Sleeves	06/83	08/91	NR
100	Once-Through Steam Generator Level	09/84	09/91	DROP
120	On-line Testability of Protection Systems	08/85	11/90	MEDIUM
143	Availability of Chilled Water Systems and Room Cooling	10/87	03/91	HIGH
150	Overpressurization of Containment Penetrations	04/89	08/91	DROP
151	Reliability of Anticipated Transient Without Scram Recirculation Pump Trip in BWRs	04/89	08/91	MEDIUM
153	Loss of Essential Service Water in LWRs	05/90	03/91	HIGH
A-19	Digital Computer Protection System	02/83	11/90	LI
B-22	LWR Fuel	02/83	06/91	DROP
<u>FY-92</u>				
2	Failure of Protective Devices on Essential Equipment	05/83	07/92	DROP
76	Instrumentation and Control Power Interactions	06/83	04/92	DROP
78	Monitoring of Fatigue Transient Limits for Reactor Coolant System	06/83	07/92	MEDIUM
81*	Impact of Locked Doors and Barriers on Plant and Personnel Safety	08/91	04/92	LOW
89	Stiff Pipe Clamps	02/84	08/92	MEDIUM
110	Equipment Protection Devices on Engineered Safety Features	12/84	06/92	DROP
118	Tendon Anchorage Failure	07/85	01/92	RESOLVED

* Previous Priority Evaluation Published in NUREG-0933

TABLE 6 (Continued)
GENERIC ISSUES PRIORITIZED AS OF 1ST QUARTER FY-97

Action Item/ Issue No.	Title	Identification Date	Date Prioritized	Current Priority
<u>FY-92 (Cont.)</u>				
123	Deficiencies in the Regulations Governing DBA and Single Failure Criterion Suggested by the Davis-Besse Incident of June 9, 1985	11/85	12/91	DROP
132	RHR Pumps Inside Containment	07/86	03/92	DROP
138	Deinerting of BWRs With MARK I and II Containments During Power Operations Upon Discovery of Reactor Cooling System Leakage or a Train of a Safety System Inoperable	10/86	10/91	LOW
144	Scram Without a Turbine/Generator Trip	03/88	03/92	LOW
145	Actions to Reduce Common Cause Failures	09/88	02/92	NR
147	Fire-Induced Alternate Shutdown/Control Room Panel Interactions	04/89	08/92	LI
148	Smoke Control and Manual Fire-Fighting Effectiveness	04/89	08/92	LI
154	Adequacy of Emergency and Essential Lighting	09/90	01/92	LOW
155.1	More Realistic Source Term Assumptions	02/91	02/92	NR
155.2	Establish Licensing Requirements for Non-Operating Facilities	02/91	04/92	RI
155.4	Improve Criticality Calculations	02/91	08/92	DROP
155.5	More Realistic Severe Reactor Accident Scenario	02/91	06/92	DROP
155.6	Improve Decontamination Regulations	02/91	08/92	DROP
155.7	Improve Decommissioning Regulations	02/91	04/92	DROP
156.1.1	Settlement of Foundations and Buried Equipment	02/91	08/92	S(IPEEE)
156.1.2	Dam Integrity and Site Flooding	02/91	01/92	DROP
156.1.3	Site Hydrology and Ability to Withstand Floods	02/91	01/92	DROP
156.1.4	Industrial Hazards	02/91	03/92	DROP
156.1.5	Tornado Missiles	02/91	01/92	DROP
156.1.6	Turbine Missiles	02/91	10/91	DROP
156.2.1	Severe Weather Effects on Structures	02/91	01/92	DROP
156.2.2	Design Codes, Criteria, and Load Combinations	02/91	07/92	DROP

TABLE 6 (Continued)
GENERIC ISSUES PRIORITIZED AS OF 1ST QUARTER FY-97

Action Item/ Issue No.	Title	Identification Date	Date Prioritized	Current Priority
<u>FY-92 (Cont.)</u>				
156.2.3	Containment Design and Inspection	02/91	05/92	DROP
156.2.4	Seismic Design of Structures, Systems, and Components	02/91	03/92	DROP
156.3.1.1	Shutdown Systems	02/91	03/92	DROP
156.3.1.2	Electrical Instrumentation and Control	02/91	03/92	DROP
156.3.2	Service and Cooling Water Systems	02/91	03/92	DROP
156.3.3	Ventilation Systems	02/91	09/92	DROP
156.3.4	Isolation of High and Low Pressure Systems	02/91	12/91	DROP
156.3.5	Automatic ECCS Switchover	02/91	11/91	S(24)
156.3.6.1	Emergency AC Power	02/91	02/92	S(B-56)
156.3.8	Shared Systems	02/91	06/92	DROP
156.4.1	RPS and ESFS Isolation	02/91	11/91	S(142)
156.4.2	Testing of the RPS and ESFS	02/91	03/92	S(120)
157	Containment Performance	10/91	02/92	RESOLVED
<u>FY-93</u>				
146	Support Flexibility of Equipment and Components	01/89	09/93	RESOLVED
149	Adequacy of Fire Barriers	04/89	10/92	LOW
152	Design Basis for Valves That Might Be Subjected to Significant Blowdown Loads	03/90	01/93	LOW
155.3	Improve Design Requirements for Nuclear Facilities	02/91	01/93	DROP
156.3.6.2	Emergency DC Power	02/91	03/93	LOW
159	Qualification of Safety-Related Pumps While Running on Minimum Flow	10/91	09/93	DROP
160	Spurious Actions of Instrumentation Upon Restoration of Power	10/91	09/93	DROP
161	Use of Non-Safety-Related Power Supplies in Safety-Related Circuits	10/91	03/93	DROP
162	Inadequate Technical Specifications for Shared Systems at Multiplant Sites When One Unit Is Shut Down	10/91	07/93	DROP
164	Neutron Fluence in Reactor Vessel	10/92	03/93	DROP

TABLE 6 (Continued)
GENERIC ISSUES PRIORITIZED AS OF 1ST QUARTER FY-97

Action Item/ Issue No.	Title	Identification Date	Date Prioritized	Current Priority
<u>FY-93 (Cont.)</u>				
166	Adequacy of Fatigue Life of Metal Components	04/93	04/93	NR
168	Environmental Qualification of Electrical Equipment	04/93	04/93	NR
<u>FY-94</u>				
158	Performance of Power-Operated Valves Under Design Basis Conditions	09/91	01/94	MEDIUM
165	Spring-Actuated Safety and Relief Valve Reliability	10/92	11/93	HIGH
167	Hydrogen Storage Facility Separation	06/93	09/94	LOW
<u>FY-95</u>				
170	Reactivity Transients and Fuel Damage Criteria for High Burn-Up Fuel	01/95	01/95	NR
171	ESF Failure from LOOP Subsequent to A LOCA	02/95	06/95	HIGH
<u>FY-96</u>				
172	Multiple System Responses Program	10/89	12/95	NR
173.A	Spent Fuel Storage Pool: Operating Facilities	02/96	05/96	NR
173.B	Spent Fuel Storage Pool: Permanently Shutdown Facilities	02/96	05/96	NR
174.A	Fastener Gaging Practices: SONGS Employees' Concern	02/96	05/96	RESOLVED
174.B	Fastener Gaging Practices: Johnson Gage Company Concern	02/96	05/96	RESOLVED
175	Nuclear Power Plant Shift Staffing	02/96	05/96	RESOLVED
176	Loss of Fill-Oil in Rosemount Transmitters	02/96	05/96	RESOLVED
177	Vehicle Intrusion at TMI	02/96	05/96	RESOLVED
178	Effect of Hurricane Andrew on Turkey Point	05/96	05/96	LI
179	Core Performance	02/96	05/96	LI
180	Notice of Enforcement Discretion	02/96	05/96	LI (Resolved)
181	Fire Protection	02/96	05/96	LI

TABLE 6 (Continued)
GENERIC ISSUES PRIORITIZED AS OF 1ST QUARTER FY-97

Action Item/ Issue No.	Title	Identification Date	Date Prioritized	Current Priority
<u>FY-96 (Cont.)</u>				
182	General Electric Extended Power Uprate	05/96	05/96	RI
183	Cycle-Specific Parameter Limits in Technical Specifications	02/96	05/96	RI
184	Endangered Species	05/96	05/96	RI
190	Fatigue Evaluation of Metal Components for 60-Year Plant Life	08/96	08/96	NR
191	Assessment of Debris Accumulation on PWR Sump Performance	09/96	09/96	NR

TABLE 7
GENERIC ISSUES TO BE PRIORITIZED AS OF 1ST QUARTER FY-97

Action Item/ Issue No.	Title	Identification Date	Current Schedule
156.6.1	Pipe Break Effects on Systems and Components	02/91	03/97
163	Multiple Steam Generator Tube Leakage	06/92	02/97
169	BWR MSIV Common Mode Failure Due to Loss of Accumulator Pressure	10/93	02/97
NMSS-0001	Door Interlock Failure Resulting from Faulty MicroSelectron-High Dose Rate Remote Afterloader	04/96	TBD
NMSS-0002	Significant Quantities of Fixed Contamination Remain in Krypton-85 Leak-Detection Devices After Venting	07/96	TBD
NMSS-0003	Corrosion of Sealed Sources Caused by Sensitization of Stainless Steel Source Capsules During Shipment	07/96	TBD
NMSS-0004	Overexposures Caused by Sources Stolen from Facility of Bankrupt Licensee	07/96	TBD

TOTAL: 7

TABLE 8
GENERIC ISSUES TO BE REPRIORITIZED AS OF 1ST QUARTER FY-97

Action Item/ Issue No.	Title	Previous Priority	Ident. Date	Current Schedule
71	Failure of Resin Demineralizer Systems and Their Effects on Nuclear Power Plant Safety	LOW	04/96	09/97
107	Main Transformer Failures	LOW	04/96	09/97
152	Design Basis for Valves That Might Be Subjected to Significant Blowdown Loads	LOW	04/96	09/97

TOTAL: 3

TABLE 9
REGULATORY IMPACT ISSUES SCHEDULED FOR RESOLUTION
AS OF 1ST QUARTER FY-97

Issue Number	Title	Lead Office/ Division/ Branch	Resolution Date
182	General Electric Extended Power Uprate	NRR/DRPW/PD31	TBD

TOTAL: 1

TABLE 10
LICENSING ISSUES SCHEDULED FOR RESOLUTION
AS OF 1ST QUARTER FY-97

Issue Number	Title	Lead Office/ Division/ Branch	Resolution Date
148	Smoke Control and Manual Fire-Fighting Effectiveness	RES/DSR/PRAB	TBD
178	Effect of Hurricane Andrew on Turkey Point	NRR/DRPE/PDII	11/96
179	Core Performance	NRR/DSSA/SRXB	12/97
181	Fire Protection	NRR/DSSA/SPLB	TBD

TOTAL: 4

TABLE 11
ENVIRONMENTAL ISSUES SCHEDULED FOR RESOLUTION
AS OF 1ST QUARTER FY-97

Issue Number	Title	Lead Office/ Division/ Branch	Resolution Date
184	Endangered Species	NRR/DRPM/PDND	TBD

TOTAL: 1

TABLE 12
RESOLVED GENERIC ISSUES WITH ONGOING ACTIVITY
AS OF 1ST QUARTER FY-97

Issue Number	Title	Lead Office/ Division/ Branch	Resolution Date
116	Accident Management	NRR/DSSA/SCSB	TBD
155.1	More Realistic Source Term Assumptions	NRR/DRPM/PERB	TBD
HF5.2	Review Criteria for Human Factors Aspects of Advanced Controls and Instrumentation	RES/DSR/HFBR	12/97
II.E.6.1	In-Situ Testing of Valves	NRR/DE/EMEB	TBD

TOTAL: 4

TABLE 13
RELATED GENERIC ACTIVITIES
AS OF 1ST QUARTER FY-97

Issue Number	Title	Lead Office/ Division/ Branch	Resolution Date
RGA-001	Boiling Water Reactor Internals	NRR/DE/EMCB	TBD
RGA-003	Dry Cask Storage of Spent Fuel	NMSS/SFPO	TBD
RGA-004	Thermo-Lag Fire Barriers	NRR/DSSA/SPLB	TBD
RGA-005	RCS Draindown	NRR/DSSA/SRXB	11/97
RGA-006	SRP Revision	NRR/DISP/PIPB	TBD
RGA-007.1.2D	PRA Implementation Plan - Graded QA	NRR/DRCH/HQMB	04/98

TOTAL: 6

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116	ACCIDENT MANAGEMENT	8
145	ACTIONS TO REDUCE COMMON CAUSE FAILURES	10
148	SMOKE CONTROL AND MANUAL FIRE-FIGHTING EFFECTIVENESS	12
155.1	MORE REALISTIC SOURCE TERM ASSUMPTIONS	14
158	PERF OF SAFETY-RELATED POWER-OPERATED VALVES UNDER DESIGN BASIS CONDIT	18
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170	REACTIVITY TRANSIENTS AND FUEL DAMAGE CRITERIA FOR HIGH BURNUP FUEL	28
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172	MULTIPLE SYSTEM RESPONSES PROGRAM	34
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181	FIRE PROTECTION	44
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ISSUE NUMBER: 23

TITLE: REACTOR COOLANT PUMP SEAL FAILURES

IDENTIFICATION DATE: 12/80C

PRIORITIZATION DATE: 04/83C

TYPE: GSI

PRIORITY: H

TASK MANAGER: K. SHAIKAT

OFFICE/DIVISION/BRANCH: RES /DER /GSIB

ACTION LEVEL: ACTIVE

STATUS:

TAC NUMBERS:

RESOLUTION DATE: 04/97

WORK AUTHORIZATION: NRR FY-84 OPERATING PLAN, (APPENDIX G)

FIN	CONTRACTOR	CONTRACT TITLE
A3751	BNL	REACTOR COOLANT PUMP (RCP) SEAL INTEGRITY
A3771	BNL	ASSESS EFFECT OF MECH. MAINT. RCP SEAL
A3806	BNL	EVAL. ADEQ. OF RCP SEAL INSTR. & RESP. TO RCP
A6322	INEL	RCP SHAFT SEAL BEHAVIOR DURING ST. BLACKOUT
B2953	PNL	REACTOR COOL. PUMP SEAL FAIL. VAL. IMP. ANALYSIS
B3049	ETEC	LEAK RATE ANALYSIS OF WESTINGHOUSE RCP
D1760	SCIENTECH	REG. ANAL. FOR GI-23, RCP SEAL FAILURES
W6211	BNL	SOLUTIONS TO MAINTAIN RCP SEAL INTEGRITY

WORK SCOPE

THE TAP FOR THIS ISSUE WAS REVISED TO INCORPORATE WORK NECESSARY TO COMPLETE GSI 65. REVIEW PWR RCP SEAL FAILURES CAUSED BY MECHANICAL FAILURES AND LOSS OF SEAL COOLING TO ASCERTAIN IF INCREASED NRC REQUIREMENTS ARE NECESSARY TO MINIMIZE SEAL FAILURES. EVALUATE THE EFFECTS OF SYSTEM DESIGN, MATERIALS, OPERATION, TESTING, AND MAINTENANCE ON SEAL FAILURE MECHANISMS. REVIEW THE RELIAB. OF SEAL COOLING SYSTEMS AND IDENTIFY METHODS TO MINIMIZE THE EFFECTS OF LOSS OF SEAL COOLING. PERFORM A RISK ASSESSMENT OF SEAL FAILURE FROM MAINTENANCE AND MECHANICAL EFFECTS. THIS PROGRAM WILL DETERMINE WHAT STEPS THE NRC

SHOULD TAKE, IF ANY, TO REDUCE RCP SEAL FAILURE TO AN ACCEPTABLE LEVEL COMMENSURATE WITH THE POTENTIAL SAFETY CONSEQUENCES OF SEAL FAILURE. THE PROGRAM CONSISTS OF THE FOLLOWING MAJOR TASKS:
 TASK 1 - DETERMINE ACTUAL SEAL FAILURE MECHANISMS.
 TASK 2 - EVALUATE RCP SEAL COOLING FOR ALL MODES OF OPERATION FOR WHICH SEAL COOLING IS REQ'D USING THE RELIABILITY OF TYPICAL RCP SEAL COOLING SYSTEM DESIGNS.
 TASK 3 - REVIEW MECHANICAL AND MAINTENANCE-INDUCED FAILURE MECHANISMS.
 TASK 4- FEASIBILITY STUDY TO IDENTIFY MOST EFFECTIVE FIX.

STATUS

AN NRR GENERIC LETTER FOR INFORMATION ONLY WAS ISSUED MAY 2, 1991, TO INFORM LICENSEES OF THE POTENTIAL IMPACT ON SBO ANALYSES. A FEDERAL REGISTER NOTICE WAS PUBLISHED APRIL 19, 1991, REQUESTING PUBLIC COMMENT ON DRAFT

REGULATORY GUIDE DG-1008 AND THE DRAFT REGULATORY ANALYSIS, NUREG-1401. THE STAFF DECIDED TO PROCEED WITH A RULEMAKING FOR OFF-NORMAL CONDITIONS, WHILE THE NORMAL CONDITIONS HAVE BEEN ADDRESSED BY APPROPRIATE GENERIC COMMUNICATIONS.

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 23

TITLE: REACTOR COOLANT PUMP SEAL FAILURES

AFFECTED DOCUMENTS

- (1) THE FOLLOWING REPORTS HAVE BEEN ISSUED:
- NUREG/CR-4077, "REACTOR COOLANT PUMP SHAFT SEAL BEHAVIOR"
 - NUREG/CR-4294, "LEAK RATE ANALYSIS OF THE WESTINGHOUSE REACTOR COOLANT PUMP"
 - NUREG/CR-4821, "REACTOR COOLANT PUMP SHAFT SEAL STABILITY DURING STATION BLACKOUT"
 - NUREG/CR-4643, "EVALUATION OF CORE DAMAGE SEQUENCES INITIATED BY LOSS OF REACTOR COOLANT PUMP SEAL COOLING"
 - NUREG/CR-4400, "THE IMPACT OF MECHANICAL AND MAINTENANCE-INDUCED FAILURE OF MAIN REACTOR COOLANT PUMP SEALS ON PLANT SAFETY"
 - NUREG/CR-4544, "REACTOR COOLANT PUMP SEAL-RELATED INSTRUMENTATION AND OPERATOR RESPONSE"
 - NUREG/CR-4948, "TECHNICAL FINDINGS RELATED TO GI-23, REACTOR COOLANT PUMP SEAL FAILURES"
 - NUREG/CR-5167, "COST BENEFIT ANALYSIS FOR GI-23, REACTOR COOLANT PUMP SEAL FAILURE"
 - DRAFT NUREG/CR-5918, "ANALYSIS OF PUBLIC COMMENTS ON GI-23, REACTOR COOLANT PUMP SEAL FAILURE"
- (DRAFT REPORT IN PDR)
- (2) RULEMAKING RDB-333
- (3) DRAFT REGULATORY GUIDE DG-100B (WITHDRAWN BY CRGR)

PROBLEM/RESOLUTION

THE STAFF HAS ACCOMMODATED CRGR COMMENTS. THE STAFF BRIEFED COMMISSIONERS' ASSISTANTS ON INSIGHTS LEARNED FROM IPE'S REGARDING GI-23. THIS BRIEFING RESULTED IN SOME REVISION TO THE PROPOSED RESOLUTION PACKAGE. THE PACKAGE WAS REVISED AND PROVIDED TO THE COMMISSION FOR REVIEW AND APPROVAL. THE COMMISSION DISAPPROVED ISSUANCE OF THE PROPOSED RULE FOR PUBLIC COMMENT AND DIRECTED THE STAFF TO COMMUNICATE THIS DECISION TO REACTOR LICENSEES.

AN INFORMATION NOTICE 95-42 WAS ISSUED TO THE LICENSEES ABOUT THE COMMISSION'S DECISION ON THE RESOLUTION OF GI-23 ON SEPTEMBER 22, 1995. THE STAFF IS DETERMINING EFFECTIVE WAYS TO PROCEED WITH THE RESOLUTION/CLOSEOUT OF THIS ISSUE BY GENERIC COMMUNICATION.

M I L E S T O N E S

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
TAP ISSUED FOR COMMENT	04/83	--	03/83
TAP APPROVED BY DSI DIR	10/83	--	10/83
ISSUED REQUEST FOR PROPOSAL TO BNL FOR COMPONENT COOLING WATER PRA	11/83	--	11/83
TRANSFER RESOLUTION RESPONSIBILITY FROM DSI TO DE	06/84	--	06/84
TRANSFER RESOLUTION RESPONSIBILITY FROM DE TO DST/GIB	05/85	--	05/85

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

RUN DATE: 02/24/97

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ISSUE NUMBER: 23

TITLE: REACTOR COOLANT PUMP SEAL FAILURES

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
COMPLETE DOCUMEN. OF BACKGROUND PAST SEAL FAILURES, INCLUDING LER SEARCH, REV OF INDUST. EXP. & REV. OF BWR SCR. (TASK 1)	05/85	--	12/85
EVAL. RCP SEAL COOLING, INCL. DETERM. EFFECT OF LOSS COOLING, EVAL RELIAB. OF COOLING SYS. AND REV. RCP SEAL COOLING INSTR. (TASK 2)	12/84	--	08/86
EVALUATE MECHANICAL AND MAINTENANCE-INDUCED FAILURE MECHANISMS (TASK 3)	01/85	--	01/88
DRAFT SCIENTECH REPORTS TO IDENTIFY MOST EFFECTIVE FIX. (TASK 4)	03/85	--	01/89
REVIEW & FINALIZE SCIENTECH REPORTS	05/89	--	03/90
DTR PACKAGE COMPLETE	07/85	--	04/90
DIVISION DIRECTOR REVIEW COMPLETED	08/85	--	05/90
ACRS REVIEW OF DTR COMPLETE	11/85	--	09/90
CONCURRENCE BY OTHER OFFICES	09/85	--	10/90
DTR SENT TO CRGR	10/85	--	10/90
CRGR REVIEW OF DTR COMPLETE	11/85	--	03/91
FRN OF ISSUANCE OF PROPOSED RESOLUTION FOR PUBLIC COMMENT	12/85	--	04/91
DRAFT PERFORMANCE	07/91	--	08/91
PUBLIC COMMENT PERIOD ENDS	09/91	--	11/91
COMPLETE REVIEW AND COMPILATION OF PUBLIC COMMENTS	04/86	--	02/92
RECEIPT OF GUIDANCE FROM EDO ON RULEMAKING	05/92	--	11/92

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 4

ISSUE NUMBER: 23

TITLE: REACTOR COOLANT PUMP SEAL FAILURES

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
PROPOSED APPROACH TO NRR FOR NORMAL OPERATION	11/92	--	12/92
PREPARE PROPOSED RULE	09/92	--	05/93
DIVISION DIRECTOR REVIEW OF PROPOSED RULE COMPLETED	10/92	--	06/93
CONCURRENCE BY OTHER OFFICES OF PROPOSED RULE	11/92	--	07/94
LETTER TO NRR FOR BWR SEALS UNDER SBO	05/93	--	10/93
ACRS AND CRGR REVIEW OF PROPOSED RULE	12/92	--	03/94
PROPOSED RULE TO EDO	02/93	--	09/94
PROPOSED RULE TO COMMISSION	02/93	--	11/94
COMMISSION'S REVIEW	03/93	--	03/95
PUBLICATION OF IN 95-42 INFORMING INDUSTRY OF COMMISSION'S DECISION	09/95	--	09/95
CLOSE THE ISSUE BY GENERIC COMMUNICATION	09/95	04/97	--

AS OF FY97 QUARTER 1

RUN DATE: 02/24/97

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 5

ISSUE NUMBER: 78 TITLE: MONITORING OF FATIGUE TRANSIENT LIMITS FOR REACTOR COOLANT
IDENTIFICATION DATE: 05/83C PRIORITIZATION DATE: 07/92C TYPE: PRIORITY: M
TASK MANAGER: K. SHAUKAT OFFICE/DIVISION/BRANCH: RES /DER /GSIB ACTION LEVEL: ACTIVE STATUS: 4
TAC NUMBERS: RESOLUTION DATE: 02/97
WORK AUTHORIZATION: 7/10/92 MEMO/BECKJORD TO MINNERS, "MONITORING OF FATIGUE..."
4/1/93 MEMO/BECKJORD TO SNIEZEK, "RESOLUTION OF FATIGUE..."

FIN	CONTRACTOR	CONTRACT TITLE
W6077	ANL	STATISTICAL ANALYSIS OF FATIGUE DATA

WORK SCOPE

TO DEVELOP GUIDANCE ON POTENTIAL FATIGUE DEGRADATION OF COMPONENT OF THE RCPB FOR ALL OPERATING PLANTS. THIS

GUIDANCE IS APPLICABLE TO THOSE REMAINING YEARS OF PLANT OPERATION UNDER THE CURRENT 40-YEAR LICENSE.

STATUS

BECAUSE THE ORIGINAL DESIGN BASIS OF THE REACTOR COOLANT PRESSURE BOUNDARY (RCPB) DID NOT ACCOUNT ADEQUATELY FOR THE EFFECTS OF THE REACTOR COOLANT HARSH ENVIRONMENTS DURING OPERATION ON THE RCPB FATIGUE RESISTANCE, GENERIC ISSUE 78 WAS ESTABLISHED TO ASSESS THE INCREASE IN RISK DUE TO OPERATION UNDER THE HARSH ENVIRONMENT.

A RISK ANALYSIS WAS COMPLETED IN LATE FY'95 THAT SHOWED THE RISK OF FAILURE OF REACTOR PRIMARY CIRCUIT COMPONENTS TO BE ACCEPTABLY LOW FOR 40-YEAR PLANTS. THIS WAS INTEGRATED

INTO NRR'S GENERIC ISSUE 166 ENTITLED "MONITORING OF FATIGUE TRANSIENT LIMITS FOR REACTOR COOLANT."

THE OUTCOME OF THE GI-78 AND 166 WORK IS THAT NO FATIGUE CONCERNS EXIST FOR 40-YEAR PLANTS, BUT MORE STUDY IS NEEDED TO DETERMINE THE STATUS OF A 60-YEAR LICENSED PLANT. A PEER REVIEW OF THE RISK ANALYSIS AND 60-YEAR EVALUATION IS PLANNED UNDER A NEW GENERIC ISSUE GI-190. A CLOSE-OUT MEMO TO THE EDO IS BEING PREPARED.

AFFECTED DOCUMENTS

*** TO BE DETERMINED ***

PROBLEM/RESOLUTION

NONE.

MILESTONES

GI-78 ASSIGNED TO RES/DSIR/EIB

ORIGINAL
DATE

07/92

CURRENT
DATE

--

ACTUAL
DATE

07/92

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 78

TITLE: MONITORING OF FATIGUE TRANSIENT LIMITS FOR REACTOR COOLANT

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
DRAFT PRA PARAMETRIC STUDY ISSUED FOR PEER REVIEW AND COMMENT TO OTHER NRC DIVISIONS	10/92	--	11/92
PREPARE DRAFT SOW FOR ANL CONTRACT FIN-6077-3	02/93	--	02/93
SOW APPROVED BY DSIR DIRECTOR	03/93	--	03/93
ISSUE SOW FOR ANL CONTRACT FIN-6077-3	03/93	--	03/93
ANL RECEIVES NRC/RES APPROVAL TO START WORK	05/93	--	06/93
ANL/RES MEETING TO DISCUSS STATISTICAL STUDIES	07/93	--	07/93
ANL PRESENTATION TO RES AND NRR	02/94	--	02/94
ANL COMPLETES DRAFT REPORT	08/93	--	03/94
ANL COMPLETES FINAL REPORT (CARBON STEEL AND LOW ALLOY STEEL)	09/93	--	08/94
REVISE PRA ANALYSIS OF FATIGUE ISSUE	03/94	--	08/94
PRA ANALYSIS (CARBON STEEL AND LOW ALLOY STEEL)	04/94	--	09/94
ANL COMPLETES STAINLESS AND NICKEL ALLOY STEEL ANALYSIS	12/94	--	12/94
ANL COMPLETES DRAFT REPORT (STAINLESS AND NICKEL ALLOY STEELS)	01/95	--	01/95
ANL COMPLETES FINAL REPORT (STAINLESS AND NICKEL ALLOY STEELS)	04/95	--	06/95
CLOSEOUT MEMO AND PRA ANALYSIS (STAINLESS AND NICKEL ALLOY STEELS) TO NRR	05/95	--	08/95
FATIGUE ACTION PLAN (NRR), INCLUDES GI-78 WORK	09/95	--	09/95

AS OF FY97 QUARTER 1

RUN DATE: 02/24/97

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 7

ISSUE NUMBER: 7B

TITLE: MONITORING OF FATIGUE TRANSIENT LIMITS FOR REACTOR COOLANT

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
----- CLOSEOUT MEMO TO EDO FROM RES	----- 06/95	----- 02/97	----- --

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 8

ISSUE NUMBER: 116 TITLE: ACCIDENT MANAGEMENT
 IDENTIFICATION DATE: 04/85C PRIORITIZATION DATE: 09/90C TYPE: GSI PRIORITY: H
 TASK MANAGER: R. PALLA OFFICE/DIVISION/BRANCH: NRR /DSSA/SCSB ACTION LEVEL: ACTIVE STATUS:
 TAC NUMBERS: M91966 M91641 RESOLUTION DATE: _____
 WORK AUTHORIZATION: SECY-88-147, "INTEGRATION PLAN FOR CLOSURE OF SEVERE
 ACCIDENT ISSUES." 05/25/88

FIN	CONTRACTOR	CONTRACT TITLE
-----	-----	-----
L1697	ORNL	TECHNICAL ASSISTANCE IN SUPPORT OF THE REACTOR SYSTEMS BRANCH

W O R K S C O P E

<p>SPECIFIC ACTIONS INCLUDED IN THE A/M ACTION PLAN ARE: (1) COMPLETE THE REVIEW OF BWROG SAMG DOCUMENTS, (2) CONDUCT SITE VISITS IN 1996 TO OBSERVE HOW THE ELEMENTS OF THE FORMAL INDUSTRY POSITION ARE BEING IMPLEMENTED, (3) COMPLETE THE DRAFT TEMPORARY INSTRUCTION (TI) USING THE INFORMATION AND PERSPECTIVES OBTAINED THROUGH THE SITE VISITS, (4)</p>	<p>COMPLETE PILOT INSPECTIONS AND FOLLOWUP, AND (5) DEVELOP AN INSPECTION PROCEDURE FOR USE AT REMAINING PLANTS AND HOLD A PUBLIC WORKSHOP. BASED ON FEEDBACK FROM THE WORKSHOP, THE STAFF WILL FINALIZE THE INSPECTION PROCEDURE AND THE APPROACH AND SCHEDULE FOR EVALUATING A/M IMPLEMENTATION FOR THE REMAINING PLANTS.</p>
--	--

S T A T U S

<p>SEVERE ACCIDENT MANAGEMENT GUIDELINE DOCUMENTS HAVE BEEN SUBMITTED BY EACH OF THE PWR OWNERS GROUPS AND REVIEWED BY THE STAFF. THE BWROG SUBMITTED A SEVERE ACCIDENT MANAGEMENT OVERVIEW DOCUMENT ON FEBRUARY 3, 1995, AND A RESPONSE TO STAFF COMMENTS ON THE OVERVIEW DOCUMENT ON MARCH 6, 1996. THE BWROG SUBMITTED REV. 0 OF THE EMERGENCY PROCEDURE AND SEVERE ACCIDENT GUIDELINES (EP/SAG) AND TECHNICAL BASIS REPORT ON AUGUST 29, 1996. THE STAFF HAS CONTRACTED WITH OAK RIDGE NATIONAL LABORATORY TO PERFORM A HIGH LEVEL REVIEW OF THE DOCUMENTS. THE TARGET DATE FOR COMPLETING THE REVIEW OF THE BWROG MATERIAL IS DECEMBER 1996. A MEETING TO DISCUSS SPECIFIC STAFF CONCERNS REGARDING THE BWROG PRODUCTS IS EXPECTED IN NOVEMBER 1996. LICENSEE TARGET DATES FOR COMPLETING A/M IMPLEMENTATION HAVE BEEN SUBMITTED TO NRC, AND A DRAFT TI FOR USE IN THE</p>	<p>PILOT INSPECTIONS HAS BEEN COMPLETED. COMMENTS ON THE DRAFT TI HAVE BEEN RECEIVED FROM THE NRC REGION OFFICES. THE STAFF MET WITH INDUSTRY ON FEBRUARY 22, 1996, AND ACRS ON MARCH 1, 1996, TO DISCUSS PLANS FOR INSPECTING UTILITY IMPLEMENTATION OF THE FORMAL INDUSTRY POSITION ON SEVERE ACCIDENT MANAGEMENT AND MAJOR ELEMENTS OF THE DRAFT TI. THE STAFF WILL VISIT APPROXIMATELY 2 TO 4 SITES IN LATE 1996/EARLY 1997 FOR THE PURPOSE OF OBTAINING AN EARLY UNDERSTANDING OF HOW THE VARIOUS ELEMENTS OF THE FORMAL INDUSTRY POSITION ARE BEING IMPLEMENTED. THE INFORMATION AND PERSPECTIVES OBTAINED THROUGH THESE VISITS AS WELL AS COMMENTS FROM THE REGION OFFICES WILL BE USED TO UPDATE THE DRAFT TI. THE DRAFT TI WILL BE MADE AVAILABLE TO NEI AND THE PUBLIC AFTER THE INFORMATION-GATHERING VISITS. SEE NRR DIRECTOR'S MONTHLY REPORT FOR LATEST STATUS.</p>
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AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

RUN DATE: 02/24/97

PAGE: 9

ISSUE NUMBER: 116

TITLE: ACCIDENT MANAGEMENT

AFFECTED DOCUMENTS

GL 88-20, SUPPLEMENT 2

PROBLEM/RESOLUTION

*** N O N E ***

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
REVIEW SEVERE ACCIDENT TRAINING MATERIALS AND BWROG PRIORITIZATION METHODOLOGIES	06/95	--	06/95
INITIAL DRAFT (FOR INTERNAL USE) OF TI FOR PILOT INSPECTIONS	11/95	--	11/95
REVIEW BWROG SEVERE ACCIDENT MANAGEMENT GUIDANCE (SAMG) DOCUMENTS	08/96	12/96	--
SITE VISITS OF "IN-PROGRESS" ACTIVITIES	11/96	02/97	--
REVISED DRAFT OF TI FOR PILOT INSPECTIONS TO NEI AND PUBLIC	12/96	03/97	--
FINAL TI FOR PILOT INSPECTIONS	03/97	05/97	--
COMPLETE PILOT INSPECTIONS AND FOLLOWUP	12/97	12/97	--
ISSUE DRAFT REVISED INSPECTION PROCEDURES (IP)	03/98	03/98	--
HOLD PUBLIC MEETING/WORKSHOP	05/98	05/98	--
ISSUE FINAL IP	07/98	07/98	--
REVIEW REMAINING PLANTS	--	--	--

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 10

ISSUE NUMBER: 145 TITLE: ACTIONS TO REDUCE COMMON CAUSE FAILURES
IDENTIFICATION DATE: 07/85C PRIORITIZATION DATE: 02/92C TYPE: GSI PRIORITY: M
TASK MANAGER: E. CHELLIAH OFFICE/DIVISION/BRANCH: RES /DSR /PRAB ACTION LEVEL: ACTIVE STATUS: NR
TAC NUMBERS: RESOLUTION DATE: _____
WORK AUTHORIZATION: MEMORANDUM FROM E. S. BECKJORD TO W. MINNERS DATED
FEBRUARY 11, 1992

FIN	CONTRACTOR	CONTRACT TITLE
L1125	BNL	TECHNICAL SUPPORT TO GI-145
L2553		

W O R K S C O P E

THE ACTIONS REQUIRED TO RESOLVE THE ISSUE ARE MINIMAL. THE SCOPE OF THE ISSUE IS ONLY TO COLLECT THE INFORMATION AVAILABLE ON COMMON MODE FAILURES AND PUBLISH IT IN A NUREG REPORT, SO AS TO BE READILY AVAILABLE TO LICENSEES.

S T A T U S

BNL SUBMITTED A FINAL REPORT IN DECEMBER 1993. THE STAFF FOUND THAT NO ADDITIONAL REQUIREMENTS ON THE LICENSEES WERE NEEDED TO RESOLVE THE ISSUE. THIS CONCLUSION WILL BE SUBMITTED TO THE PRAB BRANCH CHIEF IN 02/97.

AFFECTED DOCUMENTS

POSSIBLE NUREG/CR.

P R O B L E M / R E S O L U T I O N

NONE.

M I L E S T O N E S

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
COMPLETION OF GI PRIORITIZATION	02/92	--	02/92
COMPLETION OF TAP	04/92	--	04/92
ISSUE CONTRACT FUND	01/93	--	04/93

AS OF FY97 QUARTER 1

RUN DATE: 02/24/97

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 11

ISSUE NUMBER: 145

TITLE: ACTIONS TO REDUCE COMMON CAUSE FAILURES

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
CONTRACTOR'S DRAFT FINDINGS	06/92	--	10/93
CONTRACTOR'S FINAL FINDINGS	09/92	--	12/93
STAFF'S DRAFT FINDINGS	10/92	--	11/93
DECISION ON STAFF'S FINDINGS	11/92	--	12/93
DTR TO NRR FOR COMMENTS	04/95	--	04/95
BNL PUBLICATION TO JOURNALS	05/95	--	05/95
NRR PROVIDES COMMENTS ON BNL'S FINDINGS	02/95	--	07/95
BNL CORRECTIONS TO FINAL TS REPORTS	08/95	--	09/95
FTR COMPLETE	08/95	--	11/95
FTR TO ACRS	09/96	--	--
PRAB PUBLISH CCF METHODS REPORT	04/96	--	--
ISSUE CLOSURE MEMO TO EDO	04/96	--	--

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 148 TITLE: SMOKE CONTROL AND MANUAL FIRE-FIGHTING EFFECTIVENESS
 IDENTIFICATION DATE: 04/89C PRIORITIZATION DATE: 08/92C TYPE: LI PRIORITY:
 TASK MANAGER: J. CHEN OFFICE/DIVISION/BRANCH: RES /DSR /PRAB ACTION LEVEL: ACTIVE STATUS:
 TAC NUMBERS: _____ RESOLUTION DATE: _____
 WORK AUTHORIZATION: MEMORANDUM FROM E. S. BECKJORD TO W. MINNERS DATED
 AUGUST 26, 1992

FIN CONTRACTOR CONTRACT TITLE

WORK SCOPE

TO DEVELOP STAFF GUIDANCE FOR THE REVIEW OF LICENSEES' MANUAL FIRE-FIGHTING EFFECTIVENESS.
 IPEEE SUBMITTALS RELATED TO THE EFFECTS OF SMOKE AND

STATUS

TASK REASSIGNED TO SAIB/SECTION B IN FEBRUARY 1993 AND IS IPEEE SCHEDULE.
 BEING PREPARED BY SANDIA. SCHEDULE CHANGED TO CONFORM TO

AFFECTED DOCUMENTS

POSSIBLE NUREG/CR.

PROBLEM/RESOLUTION

DRAFT REVIEW GUIDANCE PLACED IN CONCURRENCE BY TASK MANAGER
 ON 02/29/96.

MILESTONES

GI-148 ASSIGNED TO RES/DSIR/RPSI
 REASSIGNED TO SAIB
 DRAFT STAFF REVIEW GUIDANCE

ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
09/92	--	09/92
02/93	--	02/93
09/93	--	02/96

AS OF FY97 QUARTER 1

RUN DATE: 02/24/97

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 13

ISSUE NUMBER: 148

TITLE: SMOKE CONTROL AND MANUAL FIRE-FIGHTING EFFECTIVENESS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
-----	-----	-----	-----
ISSUE FINAL STAFF REVIEW GUIDANCE	09/93	--	--
ISSUE CLOSE OUT MEMO	06/95	--	--

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 14

ISSUE NUMBER: 155.1

TITLE: MORE REALISTIC SOURCE TERM ASSUMPTIONS

IDENTIFICATION DATE: 03/79

PRIORITIZATION DATE: 02/92C

TYPE: GSI

PRIORITY:

TASK MANAGER: A. HUFFERT

OFFICE/DIVISION/BRANCH: NRR /DRPH/PERB

ACTION LEVEL: ACTIVE

STATUS: NR

TAC NUMBERS: M89586

RESOLUTION DATE: 03/95C

WORK AUTHORIZATION: MEMO FOR W. MINNERS FROM E. BECKJORD DATED 2/26/92

FIN	CONTRACTOR	CONTRACT TITLE
B0854	ORNL	IODINE CHEMICAL FORMS
L1535	BNL	RADIONUCLIDE RELEASE CHARACTER
L1611	INEL	TIMING ANALYSIS OF FUEL FAILURES
L2035	SNL	SOURCE TERM REMOVAL MECHANISMS
W6067	ORNL	CHEMICAL FORM OF SOURCE TERMS

W O R K S C O P E

THE STAFF REVIEWED THE FRAMEWORK DOCUMENT AND PREPARED A COMMISSION PAPER AND DECISION LETTER THAT DESCRIBES A GENERIC IMPLEMENTATION APPROACH. THE STAFF PRESENTED THE COMMISSION PAPER AND DECISION LETTER TO THE NRR EXECUTIVE TEAM AND CRGR IN SEPTEMBER AND THE ACRS IN NOVEMBER. THE COMMISSION PAPER AND DECISION LETTER WERE SENT TO THE

COMMISSION IN NOVEMBER. AS DESCRIBED IN THE COMMISSION PAPER, THE PLAN IS TO REBASELINE TWO NUREG-1150 PLANTS AND THEN REVIEW PILOT PLANT APPLICATIONS AND DETERMINE WHETHER RULEMAKING AND EXEMPTIONS ARE NECESSARY FOR IMPLEMENTATION.

S T A T U S

NEI SUBMITTED ITS GENERIC FRAMEWORK DOCUMENT IN NOVEMBER 1995 FOR NRC REVIEW AND APPROVAL. PILOT PLANT APPLICATIONS HAVE BEEN RECEIVED FROM BROWNS FERRY, MILLSTONE, AND INDIAN POINT. GRAND GULF AND PERRY ARE ALSO PREPARING THEIR PILOT PLANT SUBMITTALS. THE STAFF MET WITH NEI ON JANUARY 23, 1996, TO DISCUSS THE GENERIC FRAMEWORK, AND SEPARATE MEETINGS WERE HELD ON FEBRUARY 7, MAY 30, AND AUGUST 29, 1996, TO DISCUSS THE BROWNS FERRY, PERRY, AND GRAND GULF PILOT PLANT SUBMITTALS, RESPECTIVELY. INDIAN POINT AND OYSTER CREEK ALSO EXPECTED TO SUBMIT PILOT PLANT APPLICATIONS. A MEETING WAS HELD WITH NEI ON OCTOBER 2,

1996, TO UPDATE INDUSTRY ON THE STATUS OF NRC'S REVIEW OF THE GENERIC FRAMEWORK DOCUMENT. A MEETING WAS HELD WITH VIRGINIA POWER ON NOVEMBER 26, 1996, TO DISCUSS THE REBASELINING OF SURRY. THE STAFF COMPLETED ITS REVIEW OF THE FRAMEWORK DOCUMENT AND PREPARED A COMMISSION PAPER DESCRIBING HOW IT INTENDS TO CONDUCT ITS GENERIC REVIEW OF PILOT PLANT SUBMITTALS. BRIEFINGS OF THE NRR EXECUTIVE TEAM, CRGR, AND ACRS HAVE BEEN COMPLETED. A SERIES OF PILOT PLANT SUBMITTALS HAS BEEN SUBMITTED. SURRY AND GRAND GULF WILL BE REBASELINED IN 1997. WORK ON THE REMAINING PILOT PLANT SUBMITTALS WILL BEGIN IN 1997.

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 155.1

TITLE: MORE REALISTIC SOURCE TERM ASSUMPTIONS

AFFECTED DOCUMENTS

R.G. 1.3, 1.4, SRP 15.6.5
R.G. 1.7, 1.25
NUREG-1465

PROBLEM/RESOLUTION

NONE.

M I L E S T O N E S

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
IODINE/TID SCHEDULE TO COMMISSION	04/90	--	05/90
PRA BASED SOURCE TERM PAPER TO COMMISSION	05/90	--	05/90
FISSION PRODUCT TIMING PAPER TO COMMISSION	07/90	--	08/90
REVISED BNL DRAFT REPORT	07/90	--	08/90
TID REPORT SCHEDULE - IODINE CHEMICAL FORM REPORT ISSUED FOR COMMENT	12/90	--	07/91
PROPOSED REV. TO TID TO RES DIRECTOR	07/91	--	09/91
PROPOSED REVISION TO NRR/OGC	09/91	--	09/91
DRAFT TID TO ACRS	11/91	--	12/91
COMPLETE ACRS REVIEW	12/91	--	01/92
OFFICE CONCURRENCE ON TID	10/91	--	04/92
DRAFT BNL REPORT ISSUED FOR COMMENT	07/91	--	02/92
TID TO EDO	01/92	--	04/92
TID TO COMMISSION	02/92	--	04/92
FISSION PRODUCT TIMING REPORT ISSUED FOR COMMENT (INEL)	12/90	--	03/92
ISSUE REVISED TID FOR COMMENT	02/92	--	07/92

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 16

ISSUE NUMBER: 155.1

TITLE: MORE REALISTIC SOURCE TERM ASSUMPTIONS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
-----	-----	-----	-----
ISSUE ORNL IODINE REPORT AS FINAL	04/92	--	04/92
SNL REPORT ON POOL OF NUREG/CR ISSUED FOR COMMENT	08/92	--	09/92
ISSUE INEL REPORT FINAL	08/92	--	09/92
END COMMENT PERIOD ON DRAFT SOURCE TERM NUREG	08/92	--	10/92
RESPONSE TO SRM ON IMPACT OF INCREASED AMOUNT OF RADIATION (WITS 9200124) -- DRAFT COMMISSION PAPER AVAILABLE	09/92	--	11/92
-- RES CONCURRENCE	09/92	--	12/92
-- COMMISSION PAPER TO EDO AND OFFICE CONCURRENCE	10/92	--	01/93
-- COMMISSION PAPER TO COMMISSION	11/92	--	02/93
SNL SPRAY NUREG/CR ISSUED FINAL	11/92	--	06/93
ORNL NUREG/CR ON MELCOR ISSUED	09/93	--	09/93
SNL REPORT ON POOL OF NUREG/CR ISSUED FINAL	11/92	--	11/93
ISSUE BNL REPORT FINAL	06/92	--	11/93
SNL NUREG/CR ON MELCOR ISSUED	11/93	--	03/94
NEI LETTER	07/94	--	07/94
BRIEF ACRS	09/94	--	09/94
COMMISSION MEMORANDUM	09/94	--	09/94
NEI RESPONSE	09/94	--	09/94
NEI/NRC MEETING	10/94	--	10/94

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 155.1

TITLE: MORE REALISTIC SOURCE TERM ASSUMPTIONS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
-----	-----	-----	-----
COMPLETE REVISED SOURCE TERM NUREG	11/92	--	02/95
PUBLICATION OF NUREG-1465	02/95	--	02/95
ISSUE CLOSEOUT MEMO (L. SOFFER, PROJECT MANAGER, RES/DST)	12/92	--	03/95
NEI/NRC MEETINGS	06/95	--	06/95
NEI/NRC MEETINGS	10/95	--	10/95
SUBMITTAL OF GENERIC FRAMEWORK DOCUMENT (FROM NEI)	11/95	--	11/95
FIRST PILOT PLANT SUBMITTAL	12/95	--	12/95
NEI/NRC MEETINGS	01/96	--	01/96
PRESENT COMMISSION PAPER IN E-TEAM BRIEFING	08/96	--	09/96
BRIEF CRGR ON COMMISSION PAPER	09/96	--	10/96
BRIEF ACRS ON COMMISSION PAPER	10/96	--	11/96
SEND COMMISSION PAPER TO EDO/COMMISSION	10/96	--	11/96
RESPONSE TO DECISION LETTER	11/96	02/97	--
BEGIN REBASELINING	11/96	02/97	--
COMPLETE REBASELINING	--	--	--
COMPLETE PILOT PLANT REVIEWS	--	--	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 18

ISSUE NUMBER: 158

TITLE: PERF OF SAFETY-RELATED POWER-OPERATED VALVES UNDER DESIGN BASIS CONDIT

IDENTIFICATION DATE: 09/91C

PRIORITIZATION DATE: 01/94C

TYPE: GSI

PRIORITY: M

TASK MANAGER: V. LEUNG

OFFICE/DIVISION/BRANCH: RES /DER /GSIB

ACTION LEVEL: ACTIVE

STATUS:

TAC NUMBERS:

RESOLUTION DATE: 08/97

WORK AUTHORIZATION: MEMORANDUM FROM E. BECKJORD TO J. MURPHY ON JANUARY 26, 1994

FIN
W6354

CONTRACTOR
INEL

CONTRACT TITLE
POWER OPERATED VALVE PERFORMANCE

W O R K S C O P E

AIR-OPERATED VALVES, SOLENOID-OPERATED VALVES, AND HYDRAULIC-OPERATED VALVES HAVE NOT BEEN SUBJECTED TO A COMPREHENSIVE RISK EVALUATION; HENCE, THESE VALVES LACK THE REGULATORY SCRUTINY APPLIED TO THE OTHER EQUIPMENT. THIS

PROGRAM WILL DETERMINE IF THERE ARE SAFETY-RELATED PROBLEMS, THE SOLUTION OF THE PROBLEMS, AND WHETHER IMPLEMENTATION OF THE SOLUTIONS ARE COST BENEFICIAL.

S T A T U S

PRELIMINARY DRAFT REPORT WAS SUBMITTED BY THE CONTRACTOR AND

REVIEWED BY NRR.

AFFECTED DOCUMENTS

*** TO BE DETERMINED ***

PROBLEM/RESOLUTION

A MASSIVE AMOUNT OF DATA HAS BEEN COLLECTED IN CONNECTION WITH THIS ISSUE. A DECISION HAS BEEN MADE TO ENLIST CONTRACTOR ASSISTANCE TO SORT AND CATEGORIZE THE DATA AND ASSIST IN THE RESOLUTION. DATA ANALYSIS COMPLETED BY INEL. NRR REVIEWED AND COMMENTED ON INEL DRAFT REPORT. CONTRACTOR REVISING DRAFT REPORT IN RESPONSE TO NRR COMMENTS.

M I L E S T O N E S

QUICK REVIEW COMPLETE

ORIGINAL
DATE
04/94

CURRENT
DATE
--

ACTUAL
DATE
04/94

AS OF FY97 QUARTER 1

RUN DATE: 02/24/97

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 19

ISSUE NUMBER: 158

TITLE: PERF OF SAFETY-RELATED POWER-OPERATED VALVES UNDER DESIGN BASIS CONDIT

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
PROGRAM PLAN COMPLETE	05/94	--	05/94
CONTRACTOR SELECTED	06/94	--	06/94
PROGRAM ASSUMPTION	06/94	--	07/94
NRC FORM 189 RECEIVED	08/94	--	09/94
PROPOSAL ACCEPTED	08/94	--	09/94
DATA ANALYSIS	11/94	--	06/95
MODEL SELECTION	12/94	--	09/95
CDF/RISK ESTIMATION	06/95	--	10/95
DRAFT INEL REPORT RECEIVED	11/95	--	10/95
DTR PACKAGE FOR RES/NRR/AEOD REVIEW	01/96	03/97	--
RESOLUTION PACKAGE FOR ACRS/CRGR REVIEW	02/96	06/97	--
ACRS/CRGR MEETINGS	03/96	07/97	--
RESOLUTION MEMORANDUM TO THE EDO	04/96	08/97	--

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 20

ISSUE NUMBER: 165

TITLE: SPRING-ACTUATED SAFETY AND RELIEF VALVE RELIABILITY

IDENTIFICATION DATE: 10/92C

PRIORITIZATION DATE: 11/93C

TYPE: GSI

PRIORITY: H

TASK MANAGER: D. GORMLEY

OFFICE/DIVISION/BRANCH: RES /DER /GSIB

ACTION LEVEL: ACTIVE

STATUS:

TAC NUMBERS:

RESOLUTION DATE: 06/98

WORK AUTHORIZATION: NOVEMBER 26, 1993, MEMORANDUM FROM E. BECKJORD TO W. MINNERS

FIN
TBD

CONTRACTOR
TO BE DETERM

CONTRACT TITLE
TO BE DETERMINED

WORK SCOPE

1. SELECT OR LOAD PRA'S FOR ANALYSIS IN SARA VERSIONS 4.0 OR 5.0.
2. DETERMINE WHAT SYSTEMS HAVE SPRING-ACTUATED RELIEF VALVES AND OTHER IMPORTANT INFORMATION BY REVIEWING P&IDs FROM THE SELECTED PRAS.
3. PERFORM ANALYSIS TO DETERMINE THE EXTENT OF VALVE FAILURE REQUIRED TO FAIL THE SYSTEM IN WHICH THEY OPERATE.
4. REVIEW LERS TO MORE ACCURATELY DETERMINE THE FAILURE PROBABILITY FOR SPRING-ACTUATED RELIEF VALVES.
5. CALCULATE THE CHANGE IN CORE DAMAGE FREQUENCY FROM

INCLUDING RELIEF VALVES IN THE PRAS.
6. PERFORM COST/BENEFIT ANALYSES TO DETERMINE THE BEST FIX FOR THE PROBLEM AND WHICH VALVES SHOULD BE TESTED.
7. PREPARE REGULATORY ANALYSIS.
8. RESOLVE GSI-165 WITH EITHER THE IMPLEMENTATION OF THE BEST FIX OR A CLOSEOUT MEMO IF THE COST/BENEFIT IS NEGLIGIBLE.
IN ACCORDANCE WITH 5/5/94 MEMO TO NRR DIRECTOR FROM THE RES DIRECTOR, RESOLUTION WILL INCLUDE CONSIDERATION OF A LICENSE RENEWAL PERIOD OF 20 YEARS.

STATUS

A CONTRACTOR REPORT HAS BEEN RECEIVED AND IS BEING EVALUATED IN REGARD TO ITS SUITABILITY TO SUPPORT CLOSE OUT OF THE ISSUE. A FAIRLY COMPREHENSIVE REVIEW INDICATES THAT IT MAY BE SUITABLE, BUT FURTHER STUDY IS REQUIRED. A FEW MINOR ADDITIONS RELATING TO COMPLETENESS OF REPORTING VS. COMPLETENESS OF THE ANALYSES HAVE BEEN IDENTIFIED, AND AVAILABILITY OF CONTRACTOR RESOURCES TO MAKE THE ADDITIONS IS BEING EVALUATED. THE REPORT PRESENTS A STRONG CASE FOR CLOSING OUT THE ISSUE WITHOUT ANY ACTION ON THE PART OF

LICENSEES. IF THAT CASE IS SUPPORTED, A MUCH MORE SIMPLE AND EFFICIENT CLOSEOUT MAY BE POSSIBLE. THE RESULTS OF THE CONTRACTOR SCOPING STUDY CONTINUE TO OFFER PROMISE FOR AN EARLY AND INEXPENSIVE CLOSEOUT. COMMENTS ON THE REPORT ARE BEING ADDRESSED. THE REPORT PRESENTS A STRONG CASE FOR CLOSING OUT THE ISSUE WITHOUT ANY ACTION ON THE PART OF LICENSEES. IF THAT CASE IS SUPPORTED, A MUCH MORE SIMPLE AND EFFICIENT CLOSEOUT MAY BE POSSIBLE.

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

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ISSUE NUMBER: 165

TITLE: SPRING-ACTUATED SAFETY AND RELIEF VALVE RELIABILITY

AFFECTED DOCUMENTS

ASME OM CODE.

PROBLEM/RESOLUTION

AT THE CONTRACTOR'S SUGGESTION, WE ADOPTED A TOP DOWN PRA SYSTEM IMPORTANCE-BASED APPROACH TO IDENTIFYING IMPORTANT SYSTEMS AND IMPORTANT SRV'S IN IMPORTANT SYSTEMS, RATHER THAN THE BOTTOM UP APPROACH OF IDENTIFYING SRV'S FIRST AS ORIGINALLY PLANNED. THE RESULT APPEARS TO BE SOMEWHAT BROADER IN SCOPE THAN ORIGINALLY PLANNED, COVERING MORE SYSTEMS AND MORE PLANTS. HOWEVER, THE APPROACH STILL NEEDS TO BE CAREFULLY EVALUATED TO ENSURE THAT IT ACCOMPLISHES THE ORIGINAL OBJECTIVES AND THAT A COMPLETE AND FULLY SUPPORTED NUREG CAN BE ISSUED AS THE BASIS FOR CLOSING OUT THE GENERIC ISSUE. THE SCHEDULE FOR TASK 4 REFLECTS THE PREPARATION OF THE ADDITIONAL CONTRACTOR REPORT, BUT ANTICIPATES SHORTER INTERVALS FOR REVIEW AND APPROVAL FOR A MORE SIMPLE RESOLUTION THAN ORIGINALLY PLANNED. THIS HAS RESULTED IN A PROJECTED SCHEDULE SLIP IN THE FIRST FEW MONTHS BUT, SINCE WE ANTICIPATE THAT THE ISSUE CAN BE CLOSED OUT ON THE BASIS THAT NO INCREASE IN CDF RESULTS FROM FAILURES OF THE TYPES OF SRV'S IN QUESTION, AND FURTHER, THAT MANY OF THE REMAINING STEPS WILL BE SHORTENED OR ELIMINATED, WE ARE CONFIDENT THAT THE CLOSEOUT DATE OF JUNE 1998 CAN BE MAINTAINED.

THE CONTRACTOR REPORT AND APPROACH ARE STILL UNDERGOING CAREFUL EVALUATION TO ENSURE THAT THEY ACCOMPLISH THE ORIGINAL OBJECTIVES AND THE REPORT CAN SERVE AS A SUFFICIENT BASIS FOR CLOSING OUT THE GENERIC ISSUE.

ONE SIGNIFICANT COMMENT HAS BEEN THAT NO B&W PLANTS WERE EXAMINED. THIS IS BECAUSE NO B&W PLANT PRA'S ARE CURRENTLY AVAILABLE TO NRC IN ELECTRONIC FORM. THE CONTRACTOR WILL SEARCH FOR SUITABLE SURROGATE SYSTEMS IN OTHER PRA'S WHICH HAVE IMPORTANCE MEASURES SIMILAR TO THOSE IN THE HARD COPY B&W PRA'S WHICH ARE AVAILABLE. IF SUCH SURROGATES CAN BE FOUND, IT MAY BE POSSIBLE TO PERFORM BOUNDING CALCULATIONS TO SEE WHETHER RESULTS FOR B&W PLANTS WOULD BE SIMILAR TO THOSE FOR THE PLANTS STUDIED. IF IT IS NECESSARY TO WAIT FOR ADDITIONAL RESOURCES AND A B&W PRA, A SIGNIFICANT DELAY MAY BE EXPERIENCED. A PARALLEL EFFORT IS UNDERWAY TO ACQUIRE AN ELECTRONIC PRA FOR A B&W PLANT.

ON 01/29/97, NRC MET WITH THE CONTRACTOR AND AGREED UPON A PLAN TO ADDRESS THE THREE MOST IMPORTANT COMMENTS WITHIN AVAILABLE RESOURCES. AN IN-HOUSE EFFORT WILL ADDRESS THE REMAINDER. IF A MAJOR REWORK TO INCORPORATE A B&W PRA CAN BE AVOIDED, THE JUNE 1998 SCHEDULE LEADING TO A

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 165

TITLE: SPRING-ACTUATED SAFETY AND RELIEF VALVE RELIABILITY

AFFECTED DOCUMENTS

PROBLEM/RESOLUTION

JUNE 1998 CLOSEOUT APPEARS TO BE ACHIEVABLE.

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
GSI 165 ASSIGNED TO RES/DSIR/EIB	11/93	--	11/93
DRAFT TAP TO DSIR DEPUTY DIRECTOR	04/94	--	04/94
DRAFT TAP APPROVED BY DSIR DIRECTOR AND FORWARDED TO OTHER RES DIVISION DIRECTORS, AEOD, AND NRR FOR COMMENT	06/94	--	04/94
INCORPORATE COMMENTS IN TAP	08/94	--	10/94
FINAL TAP APPROVED BY DSIR DIRECTOR	11/94	--	12/94
SUBTASK 1.1 - SELECT PLANTS	12/94	--	12/94
SUBTASK 1.2 - REVIEW P&ID'S	02/95	--	02/95
SUBTASK 1.3 - REVIEW OPERATING EXPERIENCE DATA	02/95	--	03/95
SUBTASK 1.4 - PERFORM FAILURE ANALYSIS	05/95	--	08/95
TASK 2 - PERFORM RISK ANALYSIS	08/95	--	07/96
REVISE TAP	02/97	02/97	--
TASK 4 - FINAL CONTRACTOR REPORT	12/95	04/97	--
TASK 5 - PROPOSE ISSUE RESOLUTION	02/96	04/97	--
TASK 6 - TRANSMITTAL OF "FOR COMMENT" RESOLUTION PACKAGE TO DET DIRECTOR FOR CONCURRENCE	04/96	04/97	--
TASK 7 - NRR INTERFACE WITH LICENSEES AND INDUSTRY GROUPS	04/96	04/97	--

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 165

TITLE: SPRING-ACTUATED SAFETY AND RELIEF VALVE RELIABILITY

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
TASK 8 - NRR COORDINATION PLAN	04/96	04/97	--
TASK 9 - AEOD COORDINATION PLAN	04/96	04/97	--
TASK 10-TRANSMITTAL OF "FOR COMMENT" RESOLUTION PACKAGE TO OTHER NRC OFFICES FOR CONCURRENCE (INCL. LICENSE RENEWAL CONSIDERATION)	05/96	04/97	--
TASK 11 - TRANSMITTAL OF "FOR COMMENT" RESOLUTION PACKAGES TO CRGR AND ACRS	08/96	04/97	--
TASK 12 - ISSUANCE PACKAGE TO CRGR AND ACRS FOR PUBLIC COMMENTS	11/96	07/97	--
TASK 13 - END OF PUBLIC COMMENTS	02/97	09/97	--
TASK 14 - PREPARATION OF FINAL RESOLUTION PACKAGE	05/97	10/97	--
TASK 15 - TRANSMITTAL OF FINAL RESOLUTION PACKAGE TO DET DIRECTOR FOR CONCURRENCE	06/97	11/97	--
TASK 16 - TRANSMITTAL OF FINAL RESOLUTION PACKAGE TO OTHER NRC OFFICES FOR CONCURRENCE	10/97	01/98	--
TASK 17 - TRANSMITTAL OF FINAL RESOLUTION PACKAGE TO CRGR AND ACRS	12/97	02/98	--
TASK 18 - ISSUANCE OF FINAL RESOLUTION PACKAGE TO NRR	02/98	04/98	--
TASK 19 - NRR ISSUANCE OF FINAL REQUIREMENTS TO LICENSEES	05/98	06/98	--
TASK 20 - ISSUE CLOSEOUT MEMO	06/98	06/98	--

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 166
 IDENTIFICATION DATE: 04/93C
 TASK MANAGER: K. SHAUKAT
 TAC NUMBERS: MB6344
 WORK AUTHORIZATION: APRIL 1, 1993, MEMORANDUM FROM T. MURLEY TO J. SNIEZEK

TITLE: ADEQUACY OF FATIGUE LIFE OF METAL COMPONENTS
 PRIORITIZATION DATE: 06/93C
 OFFICE/DIVISION/BRANCH: RES /DER /GSIB

TYPE: GSI
 ACTION LEVEL: ACTIVE

PRIORITY:
 STATUS: NR
 RESOLUTION DATE: 02/97

FIN
 J2081

CONTRACTOR
 INEL

CONTRACT TITLE

TECHNICAL ASSISTANCE IN SUPPORT OF THE FATIGUE ACTION PLAN

WORK SCOPE

EVALUATE FATIGUE ADEQUACY OF OPERATING PLANT COMPONENTS. IN ACCORDANCE WITH 5/5/94 MEMORANDUM TO THE NRR DIRECTOR FROM THE RES DIRECTOR, RESOLUTION WILL INCLUDE CONSIDERATION OF A LICENSE RENEWAL PERIOD OF 20 YEARS.

STATUS

FATIGUE ACTION PLAN (FAP) ACTIVITIES ARE COMPLETE FOR OPERATING REACTORS DURING LICENSED OPERATING LIFE. STAFF ACTIVITIES AND CONCLUSIONS ARE DESCRIBED IN SECY-95-245 ISSUED ON SEPTEMBER 25, 1995. FATIGUE ASSESSMENT OF COMPONENTS IN OPERATING FACILITIES USING LATEST AVAILABLE

ENVIRONMENTAL FATIGUE DATA, FOR EXTENDED PERIOD OF OPERATION, WILL BE THE FOCUS OF STAFF ACTIVITIES FOR RESOLUTION OF GI-166. ISSUE TRANSFERRED FROM NRR TO RES ON 06/03/96. RES IS CARRYING OUT THE RESIDUAL WORK UNDER A NEW GENERIC ISSUE GI-190 (MEMO FROM RES TO NRR 08/26/96).

AFFECTED DOCUMENTS

NUREG/CR-6260

PROBLEM/RESOLUTION

NONE.

MILESTONES

FIRST MEETING WITH INDUSTRY (PERIODIC)
 PROGRAMMATIC REVIEW

ORIGINAL
 DATE

09/93
 12/93

CURRENT
 DATE

--
 --

ACTUAL
 DATE

09/93
 12/93

AS OF FY97 QUARTER 1

RUN DATE: 02/24/97

PAGE: 25

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 166

TITLE: ADEQUACY OF FATIGUE LIFE OF METAL COMPONENTS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
-----	-----	-----	-----
INFORM COMMISSION (PERIODIC, 6 MONTHS)	04/94	--	07/94
DATA COLLECTION AND ANALYSIS	05/94	--	07/94
RISK ASSESSMENT	03/94	--	09/94
TECHNICAL ISSUES	05/94	--	01/95
COMPLETION OF ACTIVITIES FOR OP. LIFE	06/94	--	09/95
CLOSEOUT MEMO TO EDO	11/96	02/97	--

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 26

ISSUE NUMBER: 168

TITLE: ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

IDENTIFICATION DATE: 04/93C

PRIORITIZATION DATE: 06/93C

TYPE: GSI

PRIORITY:

TASK MANAGER: G. HUBBARD

OFFICE/DIVISION/BRANCH: NRR /DSSA/SPLB

ACTION LEVEL: ACTIVE

STATUS: NR

TAC NUMBERS: M85648

RESOLUTION DATE: _____

WORK AUTHORIZATION: APRIL 1, 1993, MEMORANDUM FROM T. MURLEY TO J. SNIEZEK

FIN

CONTRACTOR

CONTRACT TITLE

A2336
E2097
W6169ANL
SCIENTECH
BNLRISK IMPACT OF EQ
EQ FOR OPERATING REACTORS
EQ RESEARCH PROGRAM

W O R K S C O P E

1. TO GATHER, REVIEW, AND EVALUATE OPERATING EXPERIENCE DATA AND EQUIPMENT REPLACEMENT SCHEDULES FOR NUCLEAR POWER PLANTS TO PROVIDE INSIGHT AS TO WHERE NRC SHOULD FOCUS ITS RESOURCES IN THE PERFORMANCE OF EQ AGING REVIEWS.
2. TO PERFORM A DETAILED ASSESSMENT OF THE RISK

ASSOCIATED WITH EQ ISSUES.

IN ACCORDANCE WITH THE 5/5/94 MEMORANDUM TO THE NRR DIRECTOR FROM THE RES DIRECTOR, RESOLUTION WILL INCLUDE CONSIDERATION OF A LICENSE RENEWAL PERIOD OF 20 YEARS.

S T A T U S

DETAILED STATUS INFORMATION FOR GI-168 HAS BEEN SUBMITTED TO THE COMMISSION IN A MEMORANDUM DATED NOVEMBER 15, 1996. THE DRAFT PROGRAM REVIEW REPORT ISSUED IN APRIL 1996 IS CURRENTLY UNDER MANAGEMENT REVIEW. FOR DATA COLLECTION AND ANALYSIS, THE REVIEW OF EQ-RELATED PUBLISHED DOCUMENTS AND INDUSTRY REPORTS, REVIEW OF EQUIPMENT FAILURES ASSOCIATED WITH THE ACCIDENT AT THREE MILE ISLAND, AND THE DEVELOPMENT OF AN INTEGRATED DATABASE OF EQ TEST REPORTS, RESEARCH TESTS, AND OTHER TEST ACTIVITIES ARE COMPLETED. A DRAFT FINAL REPORT ON EQ RISK ISSUES ISSUED IN APRIL 1996 IS CURRENTLY UNDER MANAGEMENT REVIEW. THE STAFF IS EVALUATING WHETHER THE 19 UNRESOLVED ISSUES WITHIN THE SCOPE OF PLANNED RESEARCH

CAN BE REDUCED AS A RESULT OF A PUBLIC MEETING HELD TO DISCUSS THE FINDINGS FROM THE LITERATURE REVIEW. PLANNED RESEARCH TO INVESTIGATE UNCERTAINTIES WITH ACCELERATED AGING AND TO REVIEW PROMISING CABLE CONDITION MONITORING METHODS BEGAN IN MAY 1996. WYLE LABORATORY WAS SELECTED TO PERFORM AGING AND LOSS-OF-COOLANT ACCIDENT TESTING. THERMAL PREAGING OF THE FIRST TEST CABLES BEGAN IN NOVEMBER 1996. RESULTS FROM THE PLANNED RESEARCH PROGRAM ARE EXPECTED IN FISCAL YEARS 1997 AND 1998. OVER THE NEXT SEVERAL MONTHS, SPLB WILL WORK TO CLOSE OUT CERTAIN ITEMS IN THE EQ-TAP AND TRANSFER THE REMAINING OPEN ITEMS TO RES FOR RESOLUTION.

AS OF FY97 QUARTER 1

RUN DATE: 02/24/97

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 27

ISSUE NUMBER: 168

TITLE: ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT

AFFECTED DOCUMENTS

IN 92-81 AND 93-33.

PROBLEM/RESOLUTION

NONE.

M I L E S T O N E S

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
INFORM COMMISSION	05/93	--	05/93
DATA COLLECTION AND ANALYSIS	08/94	--	04/96
STATUS REVIEW	02/95	--	11/96
RISK ASSESSMENT	10/94	03/97	--
PROGRAMMATIC REVIEW	06/94	03/97	--
TECHNICAL ISSUES	10/94	10/98	--
OPTIONS FOR RESOLUTION	--	--	--
IMPLEMENTATION	--	--	--

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 28

ISSUE NUMBER: 170 TITLE: REACTIVITY TRANSIENTS AND FUEL DAMAGE CRITERIA FOR HIGH BURNUP FUEL
IDENTIFICATION DATE: 01/95C PRIORITIZATION DATE: 01/95C TYPE: GSI PRIORITY:
TASK MANAGER: R. MEYER OFFICE/DIVISION/BRANCH: RES /DSR /PSB ACTION LEVEL: ACTIVE STATUS: NR
TAC NUMBERS: M91256 RESOLUTION DATE: _____
WORK AUTHORIZATION: MEMO TO COMMISSIONERS FROM J. TAYLOR ON 11/9/94, "REACTIVITY
TRANSIENTS AND FUEL DAMAGE CRITERIA FOR HIGH BURNUP FUEL"

FIN	CONTRACTOR	CONTRACT TITLE
W6194	INEL	FUEL ROD BEHAVIOR CODE IMPROVEMENTS
W6200	PNL	DATA REVIEW AND MODEL DEVELOPMENT FOR HIGH BURNUP FUEL
W6382	BNL	ANALYSIS OF REACTIVITY TRANSIENTS
W6483	ANL	CLADDING METALLURGY OF HIGH BURNUP FUEL
W6497	CEA	CABRI HIGH BURNUP FUEL TEST (COOPERATIVE PROGRAM, FRANCE)
W6500	RRC	IGR HIGH BURNUP FUEL TEST (COOPERATIVE PROGRAM, RUSSIA)

W O R K S C O P E

AFTER A PRELIMINARY SAFETY ASSESSMENT WAS PERFORMED, AN ACTION PLAN WAS DEVELOPED THAT ADOPTED AN EARLIER USER NEED LETTER AND DEFINED ADDITIONAL ACTIONS TO ASSESS THE ADEQUACY OF FUEL DAMAGE CRITERIA AT HIGH BURNUPS. RESEARCH WILL BE PERFORMED, AND RESULTS FROM INTERNATIONAL RESEARCH PROGRAMS WILL BE ANALYZED. DISCUSSIONS WILL BE HELD WITH

INDUSTRY REPRESENTATIVES TO OBTAIN THEIR COOPERATION IN ASSESSING SAFETY EVALUATIONS. CONFIRMATION OR REVISION OF FUEL DAMAGE CRITERIA WILL BE OBTAINED AS A RESULT OF THIS WORK, AND THE NEED FOR ANY REGULATORY ACTIONS WILL BE DETERMINED.

S T A T U S

WHILE WORK IS UNDERWAY TO ASSESS A NUMBER OF FUEL DAMAGE CRITERIA, ATTENTION HAS BEEN FOCUSED ON THE CRITERIA USED FOR ANALYZING THE REACTIVITY ACCIDENTS. ALL MAJOR INVESTIGATORS ARE PREPARING DATA ASSESSMENTS THAT WILL BE PUBLISHED IN A SPECIAL ISSUE OF THE NRC'S NUCLEAR SAFETY JOURNAL. IT IS EXPECTED THAT THESE PAPERS WILL PROVIDE A

BASIS FOR INTERIM CRITERIA THAT COULD BE USED FOR ANALYZING THE REACTIVITY ACCIDENTS. THE NRC STAFF WILL NOT APPROVE FURTHER EXTENSIONS OF BURNUP LIMITS UNTIL ADDITIONAL INFORMATION ON REACTIVITY ACCIDENTS IS RECEIVED, REVIEWED, AND FOUND TO FORM AN ACCEPTABLE BASIS FOR SUCH ACTIONS.

AFFECTED DOCUMENTS

REGULATORY GUIDE 1.77

PROBLEM/RESOLUTION

THE NEI 04/96 SUMMARY POSITION PAPER INDICATES NO

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 170

TITLE: REACTIVITY TRANSIENTS AND FUEL DAMAGE CRITERIA FOR HIGH BURNUP FUEL

AFFECTED DOCUMENTS

SRP SECTION 4.2
10 CFR 50.46
IN 94-64

PROBLEM/RESOLUTION

FURTHER INDUSTRY ACTION, BASED ON LOW SAFETY SIGNIFICANCE AND LOW PROBABILITY OF OCCURRENCE. THE RES EVALUATIONS TO DATE INDICATE THAT THE CURRENT DATA BASE CANNOT BE CORRELATED TO DESIGN-BASED CRITERIA AND THAT CONCLUSIVE EXPERIMENTAL DATA WILL NOT BE AVAILABLE FOR SEVERAL YEARS, EVEN WITH SUBSTANTIAL INDUSTRY AND RES SUPPORT.
NRR MAY HAVE TO DEVELOP AN INTERIM POSITION BASED ON AVAILABLE INFORMATION WHILE AWAITING LONGER TERM RESEARCH RESULTS.

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
ISSUE USER NEED LETTER TO RES	10/93	--	10/93
CONTRACTS ISSUED BY RES	03/94	--	03/94
ISSUE INFORMATION NOTICE (IN 94-64) ANNOUNCING NEW RIA DATA	08/94	--	08/94
COMMISSION PAPER ON HIGH BURNUP FUEL	09/94	--	09/94
PRESENT HIGH BURNUP DATA AT WATER REACTOR SAFETY MEETING	10/94	--	10/94
SCHEDULE/COORDINATE INDUSTRY MEETINGS TO DISCUSS ACTIONS	10/94	--	10/94
COMMISSION PAPER ON HIGH BURNUP FUEL	11/94	--	11/94
DETERMINE NEED FOR FURTHER GENERIC COMMUNICATIONS	11/94	--	11/94
ISSUE LETTER TO VENDORS	11/94	--	11/94
ISSUE IDENTIFIED FOR DOCUMENTATION IN NUREG-0933	01/95	--	01/95
ISSUE IN 94-64, SUPPL. 1, PROVIDING DATA AND VENDOR LETTER	03/95	--	03/95

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 170

TITLE: REACTIVITY TRANSIENTS AND FUEL DAMAGE CRITERIA FOR HIGH BURNUP FUEL

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
CSNI SPECIALISTS MEETING ON THE TRANSIENT BEHAVIOR OF HIGH BURNUP FUEL	09/95	--	09/95
REVIEW INDUSTRY NEI RESPONSE	09/95	--	09/95
ASSESS EFFECTS ON DESIGN BASIS ACCIDENTS OF REDUCED FAILURE THRESHOLD FOR HIGH BURNUP FUEL	09/95	--	09/95
CSNI SPECIALISTS MEETING ON THE TRANSIENT BEHAVIOR OF HIGH BURNUP FUEL	09/95	--	09/95
WATER REACTOR SAFETY INFORMATION MEETING ON HIGH BURNUP	10/95	--	10/95
COMMISSION PAPER ON HIGH BURNUP FUEL	03/96	--	03/96
ACRO BRIEFING BY RES	04/96	--	04/96
CSNI EXPERTS MEETING ON TRANSIENT BEHAVIOR OF HIGH BURNUP FUEL	05/96	--	05/96
INITIATE RESEARCH PROGRAM ON LOCA CRITERIA AT HIGH BURNUP	09/96	--	09/96
WATER REACTOR SAFETY INFORMATION MEETING ON HIGH BURNUP FUEL	10/96	--	10/96
CORE PERFORMANCE ISSUES WORKSHOP WITH INDUSTRY	10/96	--	10/96
COMMISSION PAPER ON HIGH BURNUP FUEL ISSUES	11/96	--	11/96
ISSUE LETTER TO NEI ASSESSING INDUSTRY ACTIONS	09/96	02/97	--
RIL WITH TECH BASIS FOR INTERIM RIA ACCEPTANCE CRITERIA	12/96	02/97	--

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 170

TITLE: REACTIVITY TRANSIENTS AND FUEL DAMAGE CRITERIA FOR HIGH BURNUP FUEL

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
DEVELOP INTERIM RIA ACCEPTANCE CRITERIA	12/96	03/97	--
NUREG/CR REPORT ON METALLURGICAL EFFECTS OF HIGH BURNUP ON DAMAGE CRITERIA	09/96	03/97	--
COMMISSION BRIEFING ON HIGH BURNUP FUEL	03/97	03/97	--
ISSUE GL TO DEFINE INTERIM RIA CRITERIA AND REQUEST EVALUATION	02/97	04/97	--
MOU WITH EPRI FOR COOPERATION ON LOCA CRITERIA	04/97	04/97	--
MOU WITH DOE FOR COOPERATION ON LOCA CRITERIA	04/97	04/97	--
ACRC SUBCOMMITTEE MEETING ON HIGH BURNUP FUEL	05/97	05/97	--
SPECIAL ISSUE OF NRC'S NUCLEAR SAFETY JOURNAL ON RIA RESEARCH	06/97	06/97	--
CLOSE OUT MEMO TO THE EDO	--	--	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 32

ISSUE NUMBER: 171 TITLE: ESF FAILURE FROM LOOP SUBSEQUENT TO LOCA
 IDENTIFICATION DATE: 02/95C PRIORITIZATION DATE: 06/95C TYPE: GSI PRIORITY: H
 TASK MANAGER: A. SERKIZ OFFICE/DIVISION/BRANCH: RES /DER /GSIB ACTION LEVEL: ACTIVE STATUS:
 TAC NUMBERS: RESOLUTION DATE: 12/97
 WORK AUTHORIZATION: MEMORANDUM TO L. SHAO FROM D. MORRISON ON JUNE 16, 1995

FIN	CONTRACTOR	CONTRACT TITLE
W6617	BNL	EVALUATION OF SAFETY ISSUE 171 PRIORITIZATION ASSUMPTIONS

W O R K S C O P E

INITIAL SAFETY ISSUE EVALUATIONS RESULTED IN RANKING GSI 171 AS "HIGH." THIS EVALUATION WAS BASED ON CONSERVATIVE ASSUMPTIONS REGARDING FAILURE RATES, EQUIPMENT DAMAGE AND NONRECOVERY FROM POTENTIAL OVER-CURRENT LOAD EFFECTS.

THE PRIMARY OBJECTIVE OF THIS BNL STUDY IS TO REVIEW AND EVALUATE ASSUMPTIONS RELATED TO THE PROBABILITY OF NON-RECOVERABLE DAMAGE TO EDG'S AND ECCS PUMPS USED IN THE INITIAL ISSUE PRIORITIZATION.

S T A T U S

BNL'S ANALYSIS IS NEARING COMPLETION AND THE RESULTS SHOW THAT PRIOR ASSUMPTIONS USED TO PRIORITIZE THIS ISSUE WERE OVERLY CONSERVATIVE. HOWEVER, THE ISSUE STILL REMAINS A SAFETY CONCERN AND IS JUDGED TO WARRANT FURTHER GENERIC

ACTION. UPON COMPLETION OF STAFF REVIEW, BNL'S REPORT WILL BE ISSUED AS A NUREG/CR AND WILL BE USED TO SUPPORT ISSUANCE OF A GENERIC LETTER REQUESTING CONFIRMATION THAT PLANTS ARE ADEQUATELY DESIGNED FOR THE LOCA/LOOP SCENARIO.

AFFECTED DOCUMENTS

IN 93-17.

PROBLEM/RESOLUTION

NRR PLANS TO PREPARE A GENERIC LETTER WHICH WOULD REQUEST LICENSEE CONFIRMATION THAT THE PLANT HAS BEEN ADEQUATELY DESIGNED FOR THE LOCA/LOOP EVENTS IDENTIFIED BY GI-171. CRGR AND ACRS REVIEWS WILL PACE ISSUANCE OF A LETTER. THE GENERIC LETTER REQUIRES ISSUANCE OF A "FOR COMMENT" VERSION AND THEREFORE THE RESOLUTION SCHEDULE SHOWN BELOW IS TENTATIVE FOR DATES FOLLOWING CRGR REVIEW PENDING REQUIRED REVISIONS AND ACTIONS.

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 171

TITLE: ESF FAILURE FROM LOOP SUBSEQUENT TO LOCA

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
-----	-----	-----	-----
ISSUE TASK ACTION PLAN	12/95	--	12/95
INITIATE INDEPENDENT EVALUATION	01/96	--	02/96
BNL TASK 1 RESULTS	03/96	--	07/96
BNL TASK 2 RESULTS	04/96	--	07/96
BNL TASK 3.1	09/96	--	09/96
BNL TASK 3.2	10/96	--	10/96
BNL TASK 3.3	11/96	--	12/96
UPDATED SAFETY EVALUATION (DRAFT)	09/96	--	12/96
BNL TASK 4 (NUREG/CR)	03/97	03/97	--
REEVALUATION OF SAFETY ISSUE (DRAFT NUREG/CR)	11/96	03/97	--
DRAFT CRGR PACKAGE (INCLUDES GENERIC LETTER)	11/96	03/97	--
CRGR AND ACRS REVIEW	12/96	05/97	--
CONCLUDING REVISIONS AND ACTIONS	02/97	06/97	--
ISSUE GL FOR PUBLIC COMMENT	04/97	07/97	--
COMMENT PERIOD ENDS	11/97	11/97	--
REVISE GL AND ISSUE	12/97	12/97	--
CLOSEOUT MEMO TO EDO	06/97	12/97	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 34

ISSUE NUMBER: 172

TITLE: MULTIPLE SYSTEM RESPONSES PROGRAM

IDENTIFICATION DATE: 07/91C

PRIORITIZATION DATE: 12/95C

TYPE: GSI

PRIORITY:

TASK MANAGER: M. CUNNINGHAM

OFFICE/DIVISION/BRANCH: RES /DSR /PRAB

ACTION LEVEL: ACTIVE

STATUS: NR

TAC NUMBERS:

RESOLUTION DATE: 12/98

WORK AUTHORIZATION: MEMORANDUM TO D. MORRISON FROM L. SHAO DATED AUGUST 2, 1995

FIN

CONTRACTOR

CONTRACT TITLE

WORK SCOPE

PRAB WILL PREPARE A REPORT ON HOW 11 MSRP ISSUES WERE

ADDRESSED BY LICENSEES IN IPE/IPEEE PROCESS.

STATUS

DISCUSSED STAFF PROPOSED TREATMENT OF MSRP ISSUES AT 427TH
ACRS MEETING ON 12/07/95. THE STAFF IS PREPARING A RESPONSE

TO THE 06/03/96 ACRS LETTER.

AFFECTED DOCUMENTS

NUREG/CR-5420

PROBLEM/RESOLUTION

NONE.

MILESTONES

EDO RESPONSE TO ACRS 6/3/96 LETTER
COLLECT DATA AND PREPARE SUMMARY REPORT
TO ACRS
CLOSE OUT ISSUE WITH MEMORANDUM TO EDO

ORIGINAL
DATE

07/96

12/98

12/98

CURRENT
DATE

11/96

12/98

12/98

ACTUAL
DATE

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AS OF FY97 QUARTER 1

RUN DATE: 02/24/97

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 35

ISSUE NUMBER: 173.A

TITLE: SPENT FUEL STORAGE POOL: OPERATING FACILITIES

IDENTIFICATION DATE: 02/96C

PRIORITIZATION DATE: 06/96C

TYPE: GSI

PRIORITY:

TASK MANAGER: S. JONES

OFFICE/DIVISION/BRANCH: NRR /DSSA/SPLB

ACTION LEVEL: ACTIVE

STATUS: NR

TAC NUMBERS: M88094

RESOLUTION DATE: 10/98

WORK AUTHORIZATION:

FIN

CONTRACTOR

CONTRACT TITLE

WORK SCOPE

SPECIFIC ACTIONS INCLUDED IN PART A OF THE GENERIC ACTION PLAN ARE: (1) DETERMINATION OF THE SAFETY SIGNIFICANCE OF IDENTIFIED CONCERNS, (2) DETERMINATION OF THE FACILITIES WHERE THE CONCERNS MAY BE APPLICABLE, (3) EVALUATION OF THE ADEQUACY OF PRESENT SFP DESIGNS, (4) EVALUATION OF THE ADEQUACY OF CURRENT NRC GUIDANCE FOR SFP DESIGNS, AND (5) EVALUATION OF THE NEED FOR GENERIC

ACTIONS TO ADDRESS SIGNIFICANT ISSUES AT OPERATING AND PERMANENTLY SHUTDOWN FACILITIES. BASED ON FINDINGS FROM THESE REVIEW AREAS AND THEIR RISK SIGNIFICANCE, THE STAFF WILL DEVELOP CRITERIA FOR SPECIFIC SPENT FUEL POOL OPERATIONS FOR POTENTIAL USE IN FORMULATING GENERIC COMMUNICATIONS, REVISIONS OF REGULATORY GUIDANCE, AND OTHER APPROPRIATE REGULATORY ACTIONS.

STATUS

THE ACTION PLAN IS CLOSED. TASKS FOR RESOLUTION WILL BE TRACKED SEPARATELY. RESOLUTION COMPRISED OF THREE PARTS:
1) CONDUCT REGULATORY ANALYSIS TO EVALUATE JUSTIFICATION FOR IMPOSING FUEL STORAGE POOL OPERATIONS RULE;

2) CONDUCT PLANT SPECIFIC REGULATORY ANALYSIS FOR HARDWARE BACKFITS AT SELECTED SITES;
3) UPDATE REGULATORY GUIDANCE.

AFFECTED DOCUMENTS

IN 93-83 AND SUPPLEMENT 1
IN 94-38

PROBLEM/RESOLUTION

*** NONE ***

MILESTONES

TAP APPROVED

ORIGINAL
DATE

10/94

CURRENT
DATE

--

ACTUAL
DATE

10/94

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 173.A

TITLE: SPENT FUEL STORAGE POOL: OPERATING FACILITIES

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
REVIEW EXISTING NRC GUIDANCE AND REQUIREMENTS	08/94	--	08/94
IDENTIFY SIGNIFICANT SFP CONCERNS	12/94	--	12/94
REPORT SIGNIFICANT SFP PROBLEMS TO NRR MANAGEMENT	12/94	--	12/94
DEVELOP AN SFP INSPECTION PLAN	01/95	--	01/95
CONDUCT INSPECTIONS OF SELECTED PLANTS	06/95	--	06/95
EVALUATE AND REPORT RESULTS OF INSPECTIONS	09/95	--	09/95
COMMISSION BRIEFING ON SFP ISSUES	02/96	--	02/96
COMMISSION BRIEFING ON SFP ISSUES	04/96	--	04/96
ASSESS RISK/SIGNIFICANCE OF INDIVIDUAL CONCERNS	06/96	--	07/96
ASSESS MONITORING OF POTENTIAL OFFSITE RELEASES	06/96	--	07/96
ASSESS RADIOACTIVE MATERIAL STORAGE PRACTICES	06/96	--	07/96
PROPOSED COURSE OF ACTION SUBMITTED TO COMMISSION	06/96	--	07/96
COMMISSION MEETING FOR RESOLUTION	08/96	--	08/96
ACRS MEETING	08/96	--	08/96
PLANT-SPECIFIC REG. ANALYSIS FOR HARDWARE BACKFITS AT SELECTED SITES	05/97	05/97	--
REVISE R.G. 1.13	10/98	10/98	--
REVISE SRP 9.1.2, 9.1.3	10/98	10/98	--

AS OF FY97 QUARTER 1

RUN DATE: 03/13/97

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 37

ISSUE NUMBER: 173.B TITLE: SPENT FUEL STORAGE POOL: PERMANENTLY SHUTDOWN FACILITIES
 IDENTIFICATION DATE: 02/96C PRIORITIZATION DATE: 06/96C TYPE: GSI PRIORITY:
 TASK MANAGER: S. JONES OFFICE/DIVISION/BRANCH: NRR /DSSA/SPLB ACTION LEVEL: ACTIVE STATUS: NR
 TAC NUMBERS: M40004 M90441 M93805 RESOLUTION DATE: _____
 WORK AUTHORIZATION:

FIN

CONTRACTOR

CONTRACT TITLE

WORK SCOPE

SPECIFIC ACTIONS INCLUDED IN PART B OF THE GENERIC ACTION PLAN ARE: (1) THE DETERMINATION OF SIGNIFICANT IDENTIFIED CONCERNS FROM PART A APPLICABLE TO PERMANENTLY SHUTDOWN FACILITIES AND (2) THE EVALUATION

AND IMPLEMENTATION OF ADDITIONAL REQUIREMENTS SPECIFICALLY APPLICABLE TO PERMANENTLY SHUT DOWN FACILITIES WITH STORED, IRRADIATED FUEL.

STATUS

THE STAFF DETERMINED THAT ALL SIGNIFICANT IDENTIFIED CONCERNS FROM PART A APPLICABLE TO PERMANENTLY SHUTDOWN FACILITIES WERE ENCOMPASSED BY THE SPECIAL INSPECTION ACTIVITIES. THE SPECIAL INSPECTIONS FOUND NO SIGNIFICANT DEFICIENCIES OTHER THAN AT DRESDEN 1. IN RESPONSE TO THE DRESDEN 1 SPECIAL INSPECTION FINDINGS, POND WILL PROCEED WITH ISSUANCE OF THEIR DECOMMISSIONING ACTION PLAN. THE

DIVISION OF SYSTEMS SAFETY AND ANALYSIS WILL PROVIDE TECHNICAL SUPPORT FOR THAT ACTION PLAN AND OTHER EXISTING ACTION PLANS ASSOCIATED WITH RULEMAKING FOR DECOMMISSIONING FACILITIES. STAFF RESOURCES WILL BE TRACKED THROUGH TACS ASSIGNED TO THE ASSOCIATED ACTION PLANS.
 **SEE NRR DIRECTOR'S MONTHLY REPORT FOR STATUS.

AFFECTED DOCUMENTS

IN 94-38
 BULLETIN 94-01

PROBLEM/RESOLUTION

*** NONE ***

MILESTONES

TAP APPROVED

ORIGINAL
 DATE

10/94

CURRENT
 DATE

--

ACTUAL
 DATE

10/94

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 173.B

TITLE: SPENT FUEL STORAGE POOL: PERMANENTLY SHUTDOWN FACILITIES

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
IDENTIFY SIGNIFICANT SFP CONCERNS APPLICABLE TO PERMANENTLY SHUT-DOWN FACILITIES	11/95	--	11/95
DECISION ON RULE OR OTHER GENERIC ACTIVITY	09/96	--	09/96
CLOSE OUT ISSUE	09/96	--	--

AS OF FY97 QUARTER 1

RUN DATE: 02/24/97

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 39

ISSUE NUMBER: 178

TITLE: EFFECT OF HURRICANE ANDREW ON TURKEY POINT

IDENTIFICATION DATE: 02/96C

PRIORITIZATION DATE: 06/96C

TYPE: LI

PRIORITY:

TASK MANAGER: R. CROTEAU

OFFICE/DIVISION/BRANCH: NRR /DRPE/PD23

ACTION LEVEL: ACTIVE

STATUS:

TAC NUMBERS: M86716 M86717

RESOLUTION DATE: 11/96

WORK AUTHORIZATION: MEMO FROM T. MURLEY TO J. TAYLOR ON JULY 22, 1993

FIN

CONTRACTOR

CONTRACT TITLE

W O R K S C O P E

A TEMPORARY INSTRUCTION HAS BEEN DEVELOPED FOR INSPECTORS TO REVIEW LICENSEE OFFSITE COMMUNICATION CIRCUITS DURING EMERGENCY PREPAREDNESS INSPECTIONS SCHEDULED AT POWER REACTOR FACILITIES BETWEEN FEBRUARY AND JUNE 1996. DATA COLLECTED FROM THOSE INSPECTIONS, AS WELL AS PAST INSPEC-

TIONS, WERE EVALUATED TO DETERMINE IF GUIDANCE TO LICENSEES, IN THE FORM OF GENERIC COMMUNICATION, IS NECESSARY TO PROVIDE EITHER SURVIVABILITY OR RAPID RECOVERABILITY OF THESE CIRCUITS FROM A SEVERE NATURAL EVENT.

S T A T U S

{ITEM 1} A TEMPORARY INSTRUCTION (TI 2515/131) ISSUED 01/18/96, INCORPORATING REGIONAL COMMENTS, HAS BEEN WRITTEN TO PROVIDE REGIONAL INSPECTORS GUIDANCE FOR COLLECTING INFORMATION ON OFFSITE NOTIFICATION CIRCUITS. THE TI HAS BEEN PERFORMED AT SEVENTEEN PLANTS FROM 02/01/96

THROUGH 06/30/96.

{ITEM 2} THE ACTION TO PROVIDE GUIDANCE FOR INSPECTORS HAS BEEN INCORPORATED INTO THE PRA IMPLEMENTATION PLAN.

**SEE NRR DIRECTOR'S MONTHLY REPORT FOR STATUS.

AFFECTED DOCUMENTS

NUREG-1474
IN 93-53
TI 2515/131

PROBLEM/RESOLUTION

TWO NEGATIVE FINDINGS WERE IDENTIFIED AS A RESULT OF THE TI. THESE WILL BE COVERED IN AN INFO NOTICE TO BE SENT TO ALL REACTOR LICENSEES. ALSO, A CHANGE IS BEING MADE TO THE INSPECTION PROCEDURE B2701.

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 178

TITLE: EFFECT OF HURRICANE ANDREW ON TURKEY POINT

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
TAP APPROVED	07/93	--	07/93
EVAL THE ADEQUACY OF NRC GUIDANCE FOR REVIEW- ING LICENSEE PREPARATION & RESPONSE TO NATUR- AL DISASTERS & INDUSTRY PREPLANNED SUPPORT	05/96	--	05/96
COLLECT INFORMATION ON LICENSEE COMMUNICATION CAPABILITIES AND VULNERABILITIES VIA REGION INSPECTION	07/96	--	06/96
ANALYZE INSPECTION FINDINGS AND REPORT ON RESULTS	10/96	--	08/96
ESTABLISHED SCHEDULE FOR ISSUANCE OF GENERIC CORRESPONDENCE (IF NECESSARY)	11/96	10/96	--
EVALUATE THE ADEQUACY OF LICENSEE OFFSITE COMMUNICATIONS FOR NATURAL DISASTERS WITHIN THE PLANT DESIGN BASIS	01/97	11/96	--
CLOSE OUT ISSUE	11/96	11/96	--

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 41

ISSUE NUMBER: 179

TITLE: CORE PERFORMANCE

IDENTIFICATION DATE: 02/96C

PRIORITIZATION DATE: 06/96C

TYPE: LI

PRIORITY:

TASK MANAGER: E. KENDRICK

OFFICE/DIVISION/BRANCH: NRR /DSSA/SRXB

ACTION LEVEL: ACTIVE

STATUS:

TAC NUMBERS: M91257 M91602 M95674

RESOLUTION DATE: 12/97

WORK AUTHORIZATION:

FIN	CONTRACTOR	CONTRACT TITLE
J2029	PNL	CORE PERFORMANCE EVALUATION (ACTION PLAN SUPPORT)
J2512	PNL	CORE PERFORMANCE EVALUATION (ACTION PLAN SUPPORT)
J2513	PNL	CORE PERFORMANCE EVALUATION (ACTION PLAN SUPPORT)
L1351	PARAMETERS	CORE PERFORMANCE EVALUATION (ACTION PLAN SUPPORT)

WORK SCOPE

SPECIFIC ACTIONS INCLUDED IN THE ACTION PLAN ARE:
 (1) EVALUATE FUEL VENDORS PERFORMANCE THROUGH PERFORMANCE-BASED INSPECTIONS THAT EVALUATE THE RELOAD CORE DESIGN, SAFETY ANALYSIS, AND LICENSING PROCESS, FUEL ASSEMBLY MECHANICAL DESIGN, AND FUEL FABRICATION ACTIVITIES,
 (2) EVALUATE THE PERFORMANCE OF LICENSEES THAT PERFORM CORE RELOAD ANALYSIS FUNCTIONS, (3) IDENTIFY, DOCUMENT, AND CATEGORIZE CORE PERFORMANCE PROBLEMS AND ROOT CAUSE EVALUATIONS THAT WILL BE FURTHER EVALUATED DURING THESE INSPECTIONS, PROVIDE INPUT TO SALP EVALUATIONS AS WELL AS REGIONAL ENFORCEMENT ACTIONS AS APPROPRIATE, (4) TRAIN AND COORDINATE REGIONAL SUPPORT STAFF PARTICIPATING IN THESE ACTIVITIES, AND (5) EVALUATE THE RESULTS OF THESE ACTIVITIES FOR USE IN FORMULATING GENERIC COMMUNICATIONS, REVISIONS OF REGULATORY GUIDANCE AND GUIDANCE FOR REGIONAL INSPECTORS, AND OTHER APPROPRIATE REGULATORY ACTIONS. IN ADDITION, AS A RESULT OF RECENT GENERIC CONCERNS, INCLUDING THE FAILURE OF CONTROL RODS TO FULLY INSERT, THE ACTION PLAN IS BEING EXTENDED THROUGH 1997 AND EXPANDED TO REVIEW THE ADEQUACY OF VENDOR LEAD TESTING PROGRAMS FOR NEW FUEL DESIGNS (TASK 6) AND TO CONDUCT A WORKSHOP ON CORE PERFORMANCE ISSUES (TASK 7) IN THE FALL OF 1996.

DSSA - THE ACTION PLAN IDENTIFIES ONE OR MORE LICENSEE INSPECTIONS IN EACH REGION THAT SHALL BE PERFORMED, IN COORDINATION WITH THE REGIONAL INSPECTORS, TO ASSESS LICENSEE PERFORMANCE IN RELOAD CORE ANALYSIS OVERSIGHT AND PARTICIPATION. LICENSEE INSPECTIONS WILL NORMALLY BE ISSUE-DRIVEN, BUT A TOTAL OF 10 LICENSEE/VENDOR INSPECTIONS IS BUDGETED FOR FY '97. THE DATA ACQUIRED THROUGH LICENSEE/VENDOR INSPECTIONS WILL BE INTEGRATED WITH INFORMATION SUPPLIED BY THE REGIONS AND OTHER SOURCES AND WILL BE EVALUATED FOR GENERIC CORE PERFORMANCE INDICATORS AND INDUSTRY CONFORMANCE TO CURRENT REGULATORY REQUIREMENTS. THE END PRODUCT OF THE OVERALL ASSESSMENT WILL INCLUDE GUIDANCE FOR RESIDENT INSPECTORS AND REGIONAL STAFF. THESE ACTIVITIES ARE SCHEDULED TO BE COMPLETED IN FY '97. THE ONGOING ACTIVITIES TO CAPTURE AND ADDRESS EARLY WARNING OF EMERGING ISSUES WILL CONTINUE INTO FY '97, AND THE ACTION PLAN WILL BE UPDATED TO REFLECT THE LIVING PLAN.

DISP - THE ACTION PLAN IDENTIFIES 10 VENDOR INSPECTIONS THAT SHALL BE PERFORMED BY MULTI-DISCIPLINED INSPECTION TEAMS, LED BY THE SPECIAL INSPECTION BRANCH (PSIB), WITH CONTRACTED TECHNICAL ASSISTANCE. THESE INSPECTIONS BEGAN IN 1994 AND WILL BE COMPLETED IN 1997.

STATUS

DSSA - THE DATA ACQUIRED FROM THE ONGOING

VENDOR INSPECTIONS ARE BEING EVALUATED FOR GENERIC IMPACT

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 42

ISSUE NUMBER: 179

TITLE: CORE PERFORMANCE

S T A T U S

AND IDENTIFICATION OF EMERGING ISSUES. AN ISSUE-DRIVE VENDOR INSPECTION AT GE WAS CONDUCTED IN MAY 1996, SUPPORTED BY SRXB/DSSA STAFF AND CONTRACT SPECIALISTS IN RELOAD DESIGN. INTERACTION WITH THE REGIONS IS ONGOING TO GENERATE A LICENSEE INSPECTION SCHEDULE. HOWEVER, DUE TO DIVERSION OF RESOURCES TO REVIEW LEAD TEST ASSEMBLY PROGRAMS, IT IS UNLIKELY THAT LICENSEE INSPECTIONS IN EACH REGION CAN BE SUPPORTED UNTIL FY '97. SRXB PARTICIPATED IN THE REGION I INSPECTOR COUNTERPARTS MEETINGS IN DECEMBER 1995 AND MAY 1996. DSSA IS REEVALUATING THE ACTION PLAN TO BETTER

INTEGRATE AND PRIORITIZE ITS ACTIVITIES. OPTIONS AND RECOMMENDATIONS WERE PROVIDED FOR MANAGEMENT REVIEW AND WERE PRESENTED TO THE EDO IN SEPTEMBER 1996.

DISP - THE INSPECTION OF FRAMATOME COGEMA FUELS (FORMERLY BABCOCK AND WILCOX FUEL COMPANY), LOCATED IN LYNCHBURG, VIRGINIA, OCCURRED IN MARCH AND APRIL 1996. THE REMAINING PLANNED ISSUE-DRIVEN INSPECTIONS INCLUDE ABB COMBUSTION ENGINEERING'S SUPPLY OF A BWR TRANSITION CORE RELOAD FOR WNP-2 AND A COMPREHENSIVE FOLLOWUP INSPECTION OF SIEMENS POWER CORPORATION ISSUES.

AFFECTED DOCUMENTS

*** TO BE DETERMINED ***

PROBLEM/RESOLUTION

NONE.

M I L E S T O N E S

INSPECT SPC (PWR AIT FOLLOWUP)
 INSPECT ZION RELOAD ANALYSIS
 INSPECT ABB/CE (PWR RELOADS)
 INSPECT TELEDYNE-WAH CHANG (TWC)
 INSPECT SANDVIK SPECIALTY METALS (SSM)
 INSPECT DUKE RELOAD ANALYSIS
 INSPECT WESTINGHOUSE
 INSPECT GE
 INSPECT TMI-1 RELOAD ANALYSIS
 IDENTIFY ISSUES FOR CORE PERFORMANCE WORKSHOP

ORIGINAL
DATE

CURRENT
DATE

ACTUAL
DATE

06/94	--	06/94
10/94	--	10/94
11/94	--	11/94
12/94	--	12/94
12/94	--	12/94
03/95	--	03/95
07/95	--	07/95
10/95	--	10/95
12/95	--	12/95
06/96	--	06/96

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 179

TITLE: CORE PERFORMANCE

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
INSPECT GE (SLMCPR & LOW DENSITY PELLETS)	07/96	--	07/96
INSPECT FRAMATOME/COGEMA (B&W FUELS)	08/96	--	10/96
CONDUCT CORE PERFORMANCE WORKSHOP	10/96	--	10/96
COMPREHENSIVE REINSPECTION OF SPC	02/97	02/97	--
INSPECT REGION I LICENSEE(S)	03/97	03/97	--
INSPECT ABB/CE BWR (WNP-2 TRANSITION CODE)	10/96	05/97	--
INSPECT REGION II LICENSEE(S)	06/97	06/97	--
INSPECT REGION III LICENSEE(S)	09/97	09/97	--
COMPLETE CORE PERFORMANCE EVALUATION ANALYSIS	12/96	09/97	--
EVALUATE LEAD TEST PROGRAMS FOR IDENTIFICATION OF CORE PERFORMANCE PROBLEMS	12/96	12/97	--
INSPECT REGION IV LICENSEE(S)	12/97	12/97	--
EVALUATE INSPECTION GUIDANCE	12/96	12/97	--
CLOSE OUT ISSUE	12/97	12/97	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 44

ISSUE NUMBER: 181 TITLE: FIRE PROTECTION
IDENTIFICATION DATE: 02/96C PRIORITIZATION DATE: 06/96C TYPE: LI PRIORITY:
TASK MANAGER: D. OUDINOT OFFICE/DIVISION/BRANCH: NRR /DSSA/SPLB ACTION LEVEL: ACTIVE STATUS:
TAC NUMBERS: M86652 M82809 M84592 M85142 M89509 RESOLUTION DATE: _____
WORK AUTHORIZATION:

FIN

CONTRACTOR

CONTRACT TITLE

WORK SCOPE

THE FP-TAP TRACKS THE IMPLEMENTATION OF A WIDE RANGE OF TECHNICAL AND PROGRAMMATIC FIRE PROTECTION ISSUES. IT INCLUDES RECOMMENDATIONS FOR ACTION (PART I), RECOMMENDATIONS FOR FURTHER STUDY (PART II), CONFIRMATION ISSUES (PART III), AND LESSONS LEARNED (PART IV). THE STAFF IS IMPLEMENTING THE RECOMMENDATIONS, IN PRIORITY ORDER, AS RESOURCES ALLOW. THE STAFF FOCUS IS NOW ON IMPLEMENTING ITS PLAN FOR FUTURE DIRECTION OF THE NRC FIRE PROTECTION PROGRAM

WITH EMPHASIS ON THE FIRE PROTECTION FUNCTIONAL INSPECTION (FPFI) PROGRAM AND CENTRALIZING THE MANAGEMENT, BY NRR, OF THE FPFI PROGRAM AND ALL OTHER REACTOR FIRE PROTECTION WORK. THE PRINCIPAL OBJECTIVE OF THESE EFFORTS IS TO ENSURE THAT THE NRC HAS A STRONG, BROAD-BASED AND COHERENT FIRE PROTECTION PROGRAM WHICH IS COMMENSURATE WITH THE SAFETY SIGNIFICANCE OF THE SUBJECT.

STATUS

THE STAFF COMPLETED ADDITIONAL SMALL-SCALE FIRE TESTS OF FIRE BARRIER MATERIALS OTHER THAN THERMO-LAG AT NIST. THE TEST RESULTS WERE PROVIDED BY NIST IN ITS REPORT OF TEST FR 4008, "PILOT-SCALE FIRE-ENDURANCE TESTS OF FIRE BARRIER PANELS AND PANEL/BLANKET COMBINATIONS," DATED AUGUST 20, 1996. THE STAFF'S REVIEW OF THE REPORT OF TEST FR 4008 IS ONGOING.

THE PLANT SYSTEMS BRANCH (SPLB) CONTINUED TO WORK WITH PROBABILISTIC RISK ASSESSMENT (PRA) BRANCH STAFF AND BROOKHAVEN NATIONAL LABORATORY (BNL), ITS TECHNICAL ASSISTANCE CONTRACTOR, TO EVALUATE THE RISK ASSOCIATED WITH THE POST-FIRE SAFE-SHUTDOWN METHODOLOGY THAT IMPOSES A SELF-INDUCED STATION BLACKOUT. THE STAFF PLANS TO APPLY THE PRA MODEL FOR ASSESSING THE RISK SIGNIFICANCE OF THE SELF-INDUCED STATION BLACKOUT METHODOLOGY TO TWO PLANT-SPECIFIC CASES DURING FY '97. THE STAFF AND BNL DISCUSSED THE PRELIMINARY RESULTS OF THIS STUDY AND FUTURE PLANS WITH

THE ADVISORY COMMITTEE ON REACTOR SAFEGUARDS (ACRS) ON FEBRUARY 29, 1996. BY LETTER OF MARCH 15, 1996, THE ACRS SUBMITTED ITS COMMENTS TO THE COMMISSION. THE STAFF RESPONDED TO THE ACRS BY LETTER OF APRIL 25, 1996. THE STAFF IS ASSESSING THE RECOMMENDATIONS MADE BY THE ACRS AND HAS REFERRED THESE COMMENTS TO THE PRA REVIEW COMMITTEE FOR FURTHER CONSIDERATION.

IN SECY-96-134, THE STAFF STATED THAT, AS PART OF THE RULEMAKING, IT WOULD REVIEW OPERATING EXPERIENCE AND WOULD ADDRESS A VARIETY OF FIRE SAFETY ISSUES. CONSISTENT WITH THIS COMMITMENT, THE STAFF HAS INCLUDED ITS REVIEW OF TWO REMAINING ISSUES FOR FURTHER STUDY, ADEQUACY OF OPERABILITY REQUIREMENTS FOR POST-FIRE SAFE SHUTDOWN EQUIPMENT AND ADEQUACY OF FIRE BARRIER SURVEILLANCE REQUIREMENTS, AND THE REMAINING CONFIRMATION ISSUES IN ITS PLAN FOR THE FIRE PROTECTION RULEMAKING.

SCIENTECH AND BNL ARE PROVIDING TECHNICAL ASSISTANCE

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 181

TITLE: FIRE PROTECTION

S T A T U S

FOR DEVELOPING THE FIRE PROTECTION FUNCTIONAL INSPECTION (FPFI) PROCEDURES. SCIENTECH AND BNL SUBMITTED THE FIRST DRAFT OF THEIR WORK PRODUCT ON SEPTEMBER 6 AND SEPTEMBER 16, RESPECTIVELY. THE STAFF IS PREPARING A SECY PAPER TO INFORM THE COMMISSION OF THE DETAILS OF THE FPFI PROGRAM AND TO PROVIDE STAFF PLANS FOR IMPLEMENTING THE PROGRAM. THE STAFF HAS SELECTED 12 CANDIDATE PILOT PLANTS (3 PER REGION). THE STAFF IS CURRENTLY WORKING WITH THE REGIONAL OFFICES TO SELECT 4 FINAL CANDIDATES (1 PER REGION) AND TO SCHEDULE THE 4 FPFI PILOT INSPECTIONS. THE STAFF PLANS TO BEGIN THE PILOT INSPECTIONS NO LATER THAN THE FIRST QUARTER OF

CALENDAR YEAR 1997.

THE DEVELOPMENT OF A FIRE PROTECTION TRAINING PROGRAM IS ON HOLD UNTIL THE FPFI PROGRAM IS IMPLEMENTED.

THE STAFF ISSUED THE SEMI-ANNUAL REPORT TO THE COMMISSION ON THE STATUS OF THE FP-TAP IN OCTOBER 31, 1996. THE NEXT STATUS REPORT IS DUE APRIL 1997. NRR/SPLB IS PREPARING AN RES USERS NEED MEMO OUTLINING THE NECESSARY TECHNICAL ISSUES THAT NEED TO BE ADDRESSED IN ORDER TO SUPPORT PERFORMANCE-BASED FIRE PROTECTION APPROACHES AT NUCLEAR POWER PLANTS. RES IS PREPARING A RULEMAKING PLAN WHICH IS SCHEDULED TO BE COMPLETED BY FEBRUARY 1997.

AFFECTED DOCUMENTS

NUREG/CR-6224
BULLETIN 95-02
IN 95-47, REVISION 1
IN 93-34 AND SUPPLEMENT 1
BULLETIN 93-02 AND SUPPLEMENT 1
IN 92-85
IN 92-71
IN 88-28

PROBLEM/RESOLUTION

NONE.

M I L E S T O N E S

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
TAP APPROVED	02/93	--	02/93
OTHER ISSUES (PART IV)	08/95	--	08/95
SEMI-ANNUAL COMMISSION STATUS REPORT	04/96	--	04/96
SEMI-ANNUAL COMMISSION STATUS REPORT	10/96	--	10/96
RECOMMENDATIONS FOR FUTURE STUDY (PART II)	05/97	--	10/96
CONFIRMATION ISSUES	05/97	--	10/96

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 181

TITLE: FIRE PROTECTION

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
RECOMMENDATIONS FOR ACTION (PART I)	01/97	02/97	--
SEMIANNUAL COMMISSION STATUS REPORT	04/97	04/97	--

AS OF FY97 QUARTER 1

RUN DATE: 02/24/97

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 47

ISSUE NUMBER: 182

TITLE: GENERAL ELECTRIC EXTENDED POWER UPRATE

IDENTIFICATION DATE: 02/96C

PRIORITIZATION DATE: 06/96C

TYPE: RI

PRIORITY:

TASK MANAGER: T. J. KIM

OFFICE/DIVISION/BRANCH: NRR /DRPW/PD31

ACTION LEVEL: ACTIVE

STATUS:

TAC NUMBERS: M91571

RESOLUTION DATE: _____

WORK AUTHORIZATION:

FIN

CONTRACTOR

CONTRACT TITLE

WORK SCOPE

SPECIFIC ACTIONS INCLUDED IN THE GENERIC ACTION PLAN ARE: (1) REVIEW ELTR1 AND ISSUE A STAFF POSITION PAPER, (2) REVIEW ELTR2 AND ISSUE A SAFETY EVALUATION REPORT,

(3) REVIEW THE LEAD PLANT APPLICATION AND ISSUE A SAFETY EVALUATION REPORT, AND (4) DEVELOP A STANDARD REVIEW PROCEDURE BASED ON ELTR1, ELTR2, AND THE LEAD PLANT REVIEW.

STATUS

THE STAFF POSITION PAPER ON THE BWR EXTENDED POWER UPRATE PROGRAM WAS ISSUED ON FEBRUARY 8, 1996 (COMPLETION OF MILESTONE 2). THE STAFF ALSO MET WITH GE AND THE INTERESTED BWR UTILITIES ON FEBRUARY 14, 1996, TO DISCUSS THE CONTENTS OF THE STAFF POSITION PAPER AND THE OVERALL STATUS OF THE POWER UPRATE PROGRAM. ON MARCH 26, 1996, GE

SUBMITTED ELTR2. THE GENERIC BOUNDING ANALYSES SUPPORTING THE EXTENDED POWER UPRATE PROGRAM. THE STAFF REVIEW OF ELTR2 IS ONGOING. THE LEAD PLANT APPLICATION FROM MONTICELLO IS NOW EXPECTED IN JUNE 1996.

**SEE NRR DIRECTOR'S MONTHLY REPORT FOR STATUS.

AFFECTED DOCUMENTS

NEDC-32424, GENERIC GUIDELINES FOR GE BWR EXTENDED POWER UPDATE

PROBLEM/RESOLUTION

NONE.

MILESTONES

GE TOPICAL ELTR1 SUBMITTED

ORIGINAL
DATE

03/95

CURRENT
DATE

--

ACTUAL
DATE

03/95

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 48

ISSUE NUMBER: 182

TITLE: GENERAL ELECTRIC EXTENDED POWER UPRATE

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
MEETING WITH GE/NSP	04/95	--	04/95
IDENTIFY DIFFERENCES BETWEEN LTR1 AND ELTR1	08/95	--	08/95
ISSUE RAI'S AS APPROPRIATE	09/95	--	09/95
INCORPORATE INFORMATION ON FOREIGN EXPERIENCE OBTAINED FROM SRXB	10/95	--	10/95
DEVELOP POWER UPRATE DATABASE FOR ALL U.S. PLANTS	10/95	--	10/95
ISSUE STAFF POSITION PAPER	02/96	--	02/96
MEETING WITH GE/INDUSTRY	02/96	--	02/96
RECEIVE ELTR2 PARTS 1 & 2	06/96	06/96	--
RECEIVE LEAD PLANT APPLICATION	06/96	06/96	--
MEETING WITH MONTICELLO	06/96	06/96	--
ISSUE SECY INFORMATION PAPER	07/96	07/96	--
ISSUE RAI'S ON GE ELTR2 ACTIONS	10/96	10/96	--
RAI'S INPUT ON ON LEAD PLANT SE FROM TECH BRANCHES	11/96	11/96	--
ISSUE RAI'S ON LEAD PLANT SE AS APPROPRIATE	11/96	11/96	--
INPUT TO THE SE ON ELTR2 FROM TECHNICAL BRANCHES	02/97	02/97	--
ISSUE SE ON ELTR2	04/97	04/97	--
ACRS PRESENTATION ON ELTR2	04/97	04/97	--
INPUT TO THE LEAD PLANT SE FROM TECH BRANCHES	06/97	06/97	--

AS OF FY97 QUARTER 1

RUN DATE: 02/24/97

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 49

ISSUE NUMBER: 182

TITLE: GENERAL ELECTRIC EXTENDED POWER UPRATE

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
ISSUE LEAD PLANT SE	06/97	06/97	--
DEVELOP A STANDARD REVIEW PROCEDURE AND INCORPORATE LESSONS LEARNED FROM LEAD PLANT ACTIVITY	06/97	06/97	--
CLOSE OUT ISSUE	--	--	--

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 184

IDENTIFICATION DATE: 02/96C

TASK MANAGER: J. WILSON

TAC NUMBERS: M88282

WORK AUTHORIZATION: COMMISSION MEMORANDUM DATED JULY 30, 1991

TITLE: ENDANGERED SPECIES

PRIORITIZATION DATE: 06/96C

OFFICE/DIVISION/BRANCH: MRR /DRPM/

TYPE: EI

ACTION LEVEL: ACTIVE

PRIORITY:

STATUS:

RESOLUTION DATE: _____

FIN

CONTRACTOR

CONTRACT TITLE

WORK SCOPE

CONDUCT EVALUATIONS OF PLANT-SPECIFIC LISTS OF ENDANGERED SPECIES AND EXISTING LICENSEE COMMITMENTS TO FURTHER THE CONSERVATION OF THE PROTECTED SPECIES AND DETERMINE IF

INFORMAL OR FORMAL CONSULTATION WITH EITHER THE NATIONAL MARINE FISHERIES SERVICE OR THE FISH AND WILDLIFE SERVICE IS WARRANTED.

STATUS

A LIST OF CURRENTLY LISTED PROTECTED SPECIES IN THE VICINITY OF EACH NUCLEAR POWER PLANT SITE WAS DEVELOPED BY A CONTRACTOR AND DELIVERED TO NRC ON 04/25/96. THIS REPORT IS NOW UNDER REVIEW. THIS ACTION PLAN WILL BE EVALUATED

WITH RESPECT TO SEPARATING GENERIC AND PLANT-SPECIFIC ASPECTS AS PART OF MILESTONE 4. A REPORT IS EXPECTED IN NOVEMBER THAT PRIORITIZES SITES AND RECOMMENDATIONS FOR FOLLOWUP ACTIONS.

AFFECTED DOCUMENTS

*** TO BE DETERMINED ***

PROBLEM/RESOLUTION

NONE.

MILESTONES

DEVELOP ACTION PLAN

DEVELOP LIST OF CURRENTLY LISTED PROTECTED SPECIES IN THE VICINITY OF EACH NUCLEAR POWER PLANT SITE

ORIGINAL DATE

06/95

11/95

CURRENT DATE

--

--

ACTUAL DATE

06/95

11/95

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

RUN DATE: 02/24/97

PAGE: 51

ISSUE NUMBER: 184

TITLE: ENDANGERED SPECIES

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
IDENTIFY INDIVIDUAL LICENSEE PROGRAMS AND ACTIVITIES BEING CONDUCTED TO FURTHER THE CONSERVATION OF PROTECTED SPECIES	05/96	--	05/96
DETERMINE PRIORITY FOR SITES WARRANTING FOLLOWUP ACTIONS	06/96	03/97	--
RECOMMEND SITE-SPECIFIC FOLLOWUP ACTIONS TO PROJECTS	12/96	03/97	--
DEVELOPMENT AND IMPLEMENTATION OF PROCESS FOR MAINTAINING STATUS AND COMPLIANCE WITH THE ESA AT EACH SITE	03/97	04/97	--
CLOSE OUT ISSUE	--	--	--

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 52

ISSUE NUMBER: 190 TITLE: FATIGUE EVALUATION OF METAL COMPONENTS FOR 60-YEAR PLANT LIFE
 IDENTIFICATION DATE: 08/96C PRIORITIZATION DATE: 08/96C TYPE: GSI PRIORITY:
 TASK MANAGER: K. SHAIKAT OFFICE/DIVISION/BRANCH: RES /DER /GSI ACTION LEVEL: ACTIVE STATUS:
 TAC NUMBERS: RESOLUTION DATE: 12/97
 WORK AUTHORIZATION: MEMO TO A. THADANI FROM T. SPEIS ON 08/26/96, "GSI-166,
 'ADEQUACY OF FATIGUE LIFE OF METAL COMPONENTS'"

FIN	CONTRACTOR	CONTRACT TITLE
W6671	PNL	FATIGUE ANALYSIS OF SELECTED COMPONENTS FOR 60-YEAR PLANT LIFE

W O R K S C O P E

EVALUATE FATIGUE ADEQUACY OF OPERATING PLANT COMPONENTS, FROM THE RES DIRECTOR, RESOLUTION WILL INCLUDE CONSIDERATION
 IN ACCORDANCE WITH 05/05/94 MEMORANDUM TO THE NRR DIRECTOR OF A 60-YEAR PROJECTED PLANT LIFE.

S T A T U S

FATIGUE ANALYSIS OF COMPONENTS FOR 60-YEAR PLANT LIFE IS GI-78, AND THE RESIDUAL WORK ON GI-166 WILL BE CARRIED ON
 UNDERWAY. THIS WORK COMPLETES THE ONGOING WORK UNDER UNDER THIS GENERIC ISSUE.

AFFECTED DOCUMENTS

NUREG/CR-6260

PROBLEM/RESOLUTION

PNL REQUESTED TO EXTEND PERIOD OF PERFORMANCE BY TWO MONTHS
 TO ALLOW TIME TO RESPOND TO NRC STAFF COMMENTS ON DRAFT
 FINAL REPORT.

M I L E S T O N E S

RES DECISION TO ESTABLISH NEW GSI
 EXTEND THE RES RISK STUDY OF FATIGUE
 FAILURE FROM 40 TO 60-YEAR PLANT LIFE

ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
08/96	--	08/96
09/96	02/97	--

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 190

TITLE: FATIGUE EVALUATION OF METAL COMPONENTS FOR 60-YEAR PLANT LIFE

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
DEVELOP A STAFF POSITION PAPER FOR LICENSE RENEWAL	01/97	03/97	--
MEET WITH CRGR ON LICENSE RENEWAL RECOMMENDA- TION IN THE STAFF POSITION	03/97	04/97	--
MEET WITH ACRS ON LICENSE RENEWAL RECOMMENDA- TION IN THE STAFF POSITION	05/97	05/97	--
RESOLUTION PLAN FOR LICENSE RENEWAL	09/97	09/97	--
CLOSE OUT MEMO TO EDO	12/97	12/97	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 54

ISSUE NUMBER: 191 TITLE: ASSESSMENT OF DEBRIS ACCUMULATION ON PWR SUMP PERFORMANCE
IDENTIFICATION DATE: 09/96C PRIORITIZATION DATE: 09/96C TYPE: GSI PRIORITY:
TASK MANAGER: M. MARSHALL OFFICE/DIVISION/BRANCH: RES /DER /GSIB ACTION LEVEL: ACTIVE STATUS: NR
TAC NUMBERS: RESOLUTION DATE: _____
WORK AUTHORIZATION: MEMO TO D. MORRISON FROM W. RUSSELL, "THIRD SUPPLEMENTAL
USER NEED REQUEST...ACCIDENT GENERATED DEBRIS," 12/07/95

FIN

CONTRACTOR

CONTRACT TITLE

WORK SCOPE

IN LIGHT OF THE RESOLUTION (I.E., NRC BULLETIN 96-03 AND
REGULATORY GUIDE 1.82, REV. 2) OF THE CONCERN FOR THE
"POTENTIAL FOR LOSS OF EMERGENCY COOLING IN BWR'S DUE TO
LOCA GENERATED DEBRIS" (I.E., THE BWR EMERGENCY CORE
COOLING SYSTEMS' SUCTION STRAINER BLOCKAGE),

DEBRIS BLOCKAGE OF PWR SUMPS WILL BE REASSESSED TO
DETERMINE IF THERE IS A NEED FOR FURTHER ACTIONS TO BE
TAKEN FOR PWR'S BEYOND THE ORIGINAL RESOLUTION OF USI A-43,
"CONTAINMENT EMERGENCY SUMP PERFORMANCE."

STATUS

BECAUSE OF STAFF AND CONTRACTUAL RESOURCE LIMITATIONS,
THE ISSUANCE OF AN SOW FOR THIS REASSESSMENT WAS DELAYED

UNTIL THE FIRST QUARTER OF FY '97.

AFFECTED DOCUMENTS

- (1) REGULATORY GUIDE 1.82, REV. 2
- (2) NUREG-0800
- (3) GENERIC LETTER 85-22

PROBLEM/RESOLUTION

*** NONE ***

MILESTONES

NRR USER NEED REQUEST SENT TO RES

ORIGINAL
DATE

12/95

CURRENT
DATE

--

ACTUAL
DATE

12/95

AS OF FY97 QUARTER 1

RUN DATE: 02/24/97

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 55

ISSUE NUMBER: 191

TITLE: ASSESSMENT OF DEBRIS ACCUMULATION ON PWR SUMP PERFORMANCE

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
USER NEED REQUEST ASSIGNED TO GSIB	01/96	--	01/96
REASSESSMENT DECLARED A NEW GSI	09/96	--	09/96
ISSUE SOW FOR REASSESSMENT	11/96	--	11/96
COMPLETE REASSESSMENT	04/97	04/97	--
ISSUE CLOSE-OUT MEMO TO EDO	--	--	--

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 56

ISSUE NUMBER: B-17

TITLE: CRITERIA FOR SAFETY-RELATED OPERATOR ACTIONS

IDENTIFICATION DATE: 06/78C

PRIORITIZATION DATE: 11/83C

TYPE: GSI

PRIORITY: M

TASK MANAGER: J. KRAMER

OFFICE/DIVISION/BRANCH: RES /DSR /HFBR

ACTION LEVEL: ACTIVE

STATUS:

TAC NUMBERS:

RESOLUTION DATE: 06/97

WORK AUTHORIZATION: NRR FY-84 OPERATING PLAN (APPENDIX G)

FIN

CONTRACTOR

CONTRACT TITLE

A0465

LLNL

INTEGRATION OF HUMAN PERFORMANCE FACTORS FULLY INTO THE RELIABILITY EVALUATION PROCESS (TASKS 5 AND 6)

W O R K S C O P E

THE WORK SCOPE INCLUDES: (1) DEVELOP TIME CRITERION FOR SAFETY RELATED OPERATOR ACTIONS; (2) DETERMINE WHETHER OR NOT AUTOMATIC ACTUATION WILL BE REQUIRED; AND (3) DEVELOP GUIDANCE AND REVIEW CRITERIA FOR LICENSEE PROPOSALS TO USE

MANUAL OPERATOR ACTION OR AUTOMATIC ACTION. THE SCOPE OF THIS GENERIC ISSUE COVERS DESIGN BASIS ACCIDENTS OR EVENTS. CRITERIA FOR SAFETY RELATED OPERATOR ACTIONS DURING SEVERE ACCIDENTS WILL BE COVERED UNDER THE SEVERE ACCIDENT PROGRAM.

S T A T U S

THIS ISSUE WAS TRANSFERRED FROM NRR TO RES WITH THE 4/87 NRC REORGANIZATION (4/10/87 MEMO FROM W. RUSSELL TO T. SPEIS). NO WORK HAD BEEN COMPLETED ON THE ISSUE PRIOR TO TRANSFER. DURING 1983 AND 1984, RES WORKED ON THIS ISSUE. DURING THAT TIME DATA WERE COLLECTED BY RES CONCERNING OPERATOR RESPONSE TIMES. ANSI/ANS 58.8 WAS PUBLISHED IN SEPTEMBER 1984. THE GENERIC ISSUE WAS LATER TRANSFERRED TO NRR. NO

WORK WAS COMPLETED BY NRR ON THIS ISSUE. WORK HAS BEGUN WHICH SHOULD LEAD TO RESOLUTION OF THIS GSI BY ENDORSING ANSI/ANS 58.8. THIS STANDARD IS BEING REVISED BASED ON NEW INDUSTRY DATA. LLNL BEGAN WORK TO MANAGE THE TECHNICAL EFFORT INVOLVING EPRI AND A SUBCONTRACTOR TO EPRI IN MARCH 1989.

AFFECTED DOCUMENTS

TO BE PROVIDED LATER

PROBLEM/RESOLUTION

LAST TWO MILESTONES WERE REVISED TO INCLUDE TIME FOR COMPLIANCE WITH SBRFA LEGISLATION AS OGC IS NOT LIKELY TO GRANT GENERIC EXEMPTION ON FINAL REG. GUIDES. ALSO, ADDITIONAL PROPRIETARY DATA TO BE RECEIVED FROM WESTINGHOUSE WILL HAVE TO BE PROCESSED, EVALUATED, AND TRANSMITTED TO ACRS.

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: B-17

TITLE: CRITERIA FOR SAFETY-RELATED OPERATOR ACTIONS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
MEET WITH ANSI/ANS 58.8	07/88	--	06/89
DEVELOP TAP	08/87	--	06/89
NUPPSCO SUBMITS DRAFT OF 58.8	04/92	--	04/92
COMPLETE DRAFT OF 58.8	08/92	--	08/92
NUPPSCO BALLOTS DRAFT STD 58.8	10/92	--	03/93
DEVELOP REGULATORY GUIDE TO ENDORSE ANS 58.8	03/94	--	03/94
NUPPSCO ISSUES FINAL 58.8	08/93	--	08/94
ANSI/ANS 58.8 PUBLISHED	--	--	03/95
ISSUE DRAFT REG GUIDE FOR 60-DAY COMMENT PERIOD	12/93	--	07/95
REVISE REG GUIDE TO REFLECT PUBLIC COMMENTS	05/94	--	09/95
ACRS REVIEW	07/94	--	11/95
ISSUE FRN AND REVISED DRAFT REG GUIDE DG-1052 FOR 60-DAY PUBLIC COMMENT PERIOD	03/96	--	11/96
ISSUE REQUEST TO GSIB FOR REASSESSMENT OF RISK ANALYSIS	11/96	--	11/96
REVISE DG-1052 TO REFLECT PUBLIC COMMENTS	07/96	02/97	--
ACRS REVIEW	09/96	04/97	--
ISSUE FINAL REG GUIDE	09/94	06/97	--
CLOSE OUT ISSUE WITH MEMORANDUM TO EDO	09/94	06/97	--

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 58

ISSUE NUMBER: B-55

TITLE: IMPROVE RELIABILITY OF TARGET ROCK SAFETY-RELIEF VALVES

IDENTIFICATION DATE: 06/78C

PRIORITIZATION DATE: 11/83C

TYPE: GSI

PRIORITY: M

TASK MANAGER: G. HAMMER

OFFICE/DIVISION/BRANCH: NRR /DE /EMEB

ACTION LEVEL: ACTIVE

STATUS:

TAC NUMBERS:

RESOLUTION DATE: 08/97

WORK AUTHORIZATION: NRR FY-84 OPERATING PLAN, (APPENDIX G)

FIN

CONTRACTOR

CONTRACT TITLE

NONE

NONE

NONE

WORK SCOPE

REVIEW BWR UTILITY APPROACHES TO INCREASING SRV RELIABILITY TO OBTAIN SUFFICIENT DATA BASE TO SUPPORT THE CONCLUSION THAT THIS ISSUE HAS BEEN RESOLVED. THE UTILITY APPROACHES MAY INCLUDE: (1) DEMONSTRATING SUFFICIENT RELIABILITY OF 3-STAGE VALVES BY STRICT

CONFORMANCE TO NSSS VENDOR INSTRUCTIONS; (2) DEMONSTRATING SUFFICIENT RELIABILITY OF 2-STAGE VALVES AFTER DESIGN AND/OR SYSTEM MODIFICATIONS, AND (3) USING DIFFERENT VALVES AND DEMONSTRATING THEIR RELIABILITY.

STATUS

WHILE INITIAL PERFORMANCE WITH THE PH 13-B MO REPLACE-MENT DISCS INDICATED AN IMPROVEMENT, ADDITIONAL PERFORMANCE DATA MADE IT APPARENT THE NEW DISCS ARE NOT PROVIDING THE IMPROVED PERFORMANCE THAT WAS ORIGINALLY EXPECTED. THE BWROG CONCLUDED THE PH 13-B MO REPLACEMENT DISCS ARE NOT A VIABLE SOLUTION FOR ELIMINATING SETPOINT DRIFT AND RECOMMENDED THEY NO LONGER BE INSTALLED TO RESOLVE THIS PROBLEM. BECAUSE CORROSION BONDING OF THE PILOT DISK TO ITS SEAT WAS IDENTIFIED AS THE CAUSE OF THE UPWARD SETPOINT DRIFT, THE BWROG THEN DEVELOPED A PLATINUM ALLOY PILOT DISK DESIGN. THIS CATALYST DISK WAS VERY EFFECTIVE IN REDUCING OXYGEN CONCENTRATION AT THE PILOT DISK SEAT LOCATION WHICH COULD THEN REDUCE THE CORROSION BONDING. THE BWROG ALSO DEVELOPED AN EQUAL PARALLEL CONTINGENCY OPTION WHICH INVOLVES THE USE OF PRESSURE SWITCHES SIMILAR TO THOSE USED ON BWR/6 PLANTS. A LICENSING TOPICAL REPORT AND ADDITIONAL INFORMATION FOR THE PRESSURE SWITCH DESIGN WAS SUBMITTED WHICH NRR HAS RECENTLY APPROVED. SEVERAL OF THE CATALYTIC DISKS HAVE BEEN INSTALLED IN SEVERAL BWR'S ON A TRIAL BASIS FOR SUBSEQUENT SETPOINT TESTING.

SINCE MOST OF THE NRC STAFF EFFORT RELATED TO THE BALANCE OF THE GENERIC RESOLUTION OF THIS GENERIC ISSUE WAS EXPECTED TO BE UNDERTAKEN WITHIN NRR, AND SINCE ANY PLANT MODIFICATIONS RESULTING FROM THE RESOLUTION OF THIS ISSUE WERE EXPECTED TO BE EITHER VOLUNTARY OR JUSTIFIED ON A "COMPLIANCE" BASIS, RES HAS FORMALLY TRANSFERRED THE ISSUE TO NRR FOR THE BALANCE OF THE GENERIC RESOLUTION PERIOD AND SUBSEQUENT PLANT SPECIFIC IMPLEMENTATION.

THE STAFF MET WITH THE BWROG ON APRIL 24, 1996, TO DISCUSS THE PERFORMANCE OF THE CATALYTIC DISKS AND SEAT LEAKAGE ISSUES. THE BWROG HAS DETERMINED THAT, BY SPRING 1997, ENOUGH SETPOINT DATA SHOULD BE AVAILABLE TO EVALUATE THE DISKS. THE BWROG IS ALSO DEVELOPING RECOMMENDATIONS TO LESSEN LEAKAGE BY BETTER MONITORING AND MAINTENANCE, SINCE LEAKAGE MAY AFFECT THE SETPOINT PERFORMANCE. CURRENTLY, THE STAFF PLANS TO DISCUSS THE AVAILABLE TEST DATA WITH THE BWROG IN THE SPRING 1997 AND EVALUATE THE PERFORMANCE OF THE PLATINUM ALLOY DISKS AND ADDITIONAL ACTIONS IF NECESSARY.

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: B-55

TITLE: IMPROVE RELIABILITY OF TARGET ROCK SAFETY-RELIEF VALVES

STATUS

AFFECTED DOCUMENTS

NONE

PROBLEM/RESOLUTION

NONE.

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
MEETING WITH BWR OWNERS SETPOINT DRIFT COMMITTEE	12/83	--	11/83
BWR OWNERS REPORT SUBMITTED	07/84	--	06/84
BOSTON EDISON REPORT SUBMITTED	--	--	08/84
COMPLETION OF NRR EVALUATION OF OWNERS GROUP AND BOSTON EDISON REPORTS	10/84	--	10/84
COMMUNICATION TO OG RE: NRC COMMENTS/CONCERNS	--	--	03/85
OG PRESENTATION TO THE STAFF	10/85	--	10/85
STAFF RECEIVES OWNERS' PROGRAM FOR ELIMINATING SET POINT DRIFT	10/85	--	10/85
OWNERS BEGIN TO INSTALL NEW PILOT DISKS TO TEST IN PLANT FOR ONE FUEL CYCLE	01/86	--	01/86
ISSUE STATUS REPORT ON INDUSTRY EFFORTS	12/87	--	01/88
ISSUE PROGRESS REPORT ON INDUSTRY EFFORTS	11/88	--	11/88
BWROG APPROVAL FOR FUNDING CATALYST/PRESSURE SWITCH PROGRAM	06/90	--	06/90

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 60

ISSUE NUMBER: B-55

TITLE: IMPROVE RELIABILITY OF TARGET ROCK SAFETY-RELIEF VALVES

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
BWROG SELECT/DESIGN CATALYST	03/91	--	02/91
NRC STAFF ISSUE STATUS REPORT ON INDUSTRY PROGRESS	06/91	--	08/91
BWROG COMPLETES FINALIZING DESIGN AND LABORATORY TESTING	04/92	--	07/92
NRC STAFF ISSUE STATUS REPORT ON INDUSTRY PROGRESS	03/92	--	08/92
REASSESS ISSUE	03/93	--	05/93
REASSIGN TO NRR	8/93	--	08/93
NRR RESPONSE TO REASSIGNMENT	10/93	--	10/93
BWROG SUBMIT TOPICAL REPORT TO NRC DESCRIBING PRESSURE SWITCH OPTION	12/91	--	04/94
OWNERS BEGIN TO INSTALL CATALYSTS TO TEST IN PLANTS FOR FIRST FUEL CYCLE	06/94	--	04/94
TRANSFER OF BALANCE OF GSI TO NRR	11/94	--	04/95
NRR ISSUE APPROVAL FOR PRESSURE SWITCH OPTION	02/95	--	10/95
EVALUATE PERFORMANCE OF PLATINUM DISKS AND DETERMINE ADDITIONAL ACTIONS IF NECESSARY	05/97	05/97	--
ISSUE CLOSEOUT MEMORANDUM TO EDO	08/97	08/97	--

AS OF FY97 QUARTER 1

WVN DATE: 02/24/97

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 61

ISSUE NUMBER: B-61

TITLE: ALLOWABLE ECCS EQUIPMENT OUTAGE PERIODS

IDENTIFICATION DATE: 06/78C

PRIORITIZATION DATE: 11/83C

TYPE: GSI

PRIORITY: M

TASK MANAGER: A. BUSLIK

OFFICE/DIVISION/BRANCH: RES /DSR /PRAB

ACTION LEVEL: ACTIVE

STATUS:

TAC NUMBERS:

RESOLUTION DATE: 04/97

WORK AUTHORIZATION: NRR FY-84 OPERATING PLAN (APPENDIX G)

FIN

CONTRACTOR

CONTRACT TITLE

NONE

NONE

NONE

W O R K S C O P E

IN GENERAL, PLANTS WILL BE CLASSIFIED SUCH THAT IN EACH CLASS SIMILAR ECCS OUTAGE UNAVAILABILITIES WILL HAVE SIMILAR IMPACTS ON RISK. THE EFFECT OF A GIVEN ECCS AVAILABILITY ON RISK WILL BE DETERMINED, FOR EACH CLASS OF PLANT, AS WELL AS THE IMPACTS OF ANY CHANGES IN ALLOWABLE ECCS OUTAGE PERIOD. CONSIDERATION

OF SUPPORT SYSTEM OUTAGES MUST BE INCLUDED. DETAILS OF THE WORK SCOPE ARE CONTAINED IN THE DRAFT ACTION PLAN. BECAUSE CUMULATIVE OUTAGE TIMES ON COMPONENTS OTHER THAN ECCS COMPONENTS APPEAR IMPORTANT, THE WORK SCOPE HAS BEEN EXPANDED TO INCLUDE ALL SAFETY-RELATED COMPONENTS.

S T A T U S

TASK I HAS BEEN COMPLETED. MEMO TO ACRS WITH PROPOSED RESOLUTION WAS INITIATED BY PRAB IN 09/96; MEMO IS WITH

DEPUTY DIRECTOR, DSR.

AFFECTED DOCUMENTS

TECHNICAL SPECIFICATION CHANGES ARE POSSIBLE. REVISED INSPECTION GUIDANCE FOR VOLUNTARY ENTRY INTO LCO'S.

PROBLEM/RESOLUTION

THE MAJOR PROBLEM ASSOCIATED WITH THE RESOLUTION OF B-61 IS AN ANALYSIS OF THE COSTS AND BENEFITS OF THE IMPOSITION OF A CUMULATIVE OUTAGE REQUIREMENT. A STUDY OF THE NEED FOR CONTROL OF CUMULATIVE OUTAGE IS BEING PERFORMED IN-HOUSE. THE WORK TAKES INTO ACCOUNT THE MAINTENANCE RULE AND THE NUMARC GUIDANCE FOR THE IMPLEMENTATION OF THE MAINTENANCE RULE, AS WELL AS CURRENT INSPECTION GUIDANCE ON VOLUNTARY ENTRY INTO LIMITED CONDITIONS OF OPERATION ACTION STATEMENTS TO PERFORM PREVENTIVE MAINTENANCE. AN INITIAL RECOMMENDATION FOR STAFF COMMENTS WAS COMPLETED IN SEPTEMBER 1992: THIS INCLUDED A PROPOSED DRAFT TECHNICAL RESOLUTION.

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 62

ISSUE NUMBER: B-61

TITLE: ALLOWABLE ECCS EQUIPMENT OUTAGE PERIODS

AFFECTED DOCUMENTS

PROBLEM/RESOLUTION

COMMENTS WERE RECEIVED ON THIS PROPOSED DTR FROM IMMEDIATE MANAGEMENT IN AUGUST 1993. IT IS CLEAR THAT A CUMULATIVE OUTAGE REQUIREMENT ON UNSCHEDULED MAINTENANCE WILL NOT BE IMPOSED. THE CURRENT PLAN IS TO ARGUE THAT EXISTING PROGRAMS (MAINTENANCE RULE, CURRENT INSPECTION GUIDELINES) ARE SUFFICIENT TO CONTROL THE CUMULATIVE MAINTENANCE UNAVAILABILITY AND THAT THE "NO ACTION" ALTERNATIVE SHOULD BE SELECTED. MODIFICATIONS TO THE GUIDANCE FOR THE MAINTENANCE RULE TO EMPHASIZE THE RISK IMPLICATIONS OF PERFORMING SCHEDULED MAINTENANCE ON RISK-SIGNIFICANT COMPONENTS DURING POWER OPERATION APPEAR DESIRABLE. A MEMORANDUM FROM RES TO NRR SUGGESTING THAT B-61 BE RESOLVED THROUGH THE MAINTENANCE RULE, BY MODIFYING THE INSPECTION GUIDANCE FOR THE MAINTENANCE RULE, HAS BEEN SENT. THIS MEMORANDUM INDICATED THAT, SINCE THE IPE'S HAVE NOT INDICATED ANY VULNERABILITIES WITH RESPECT TO ONLINE MAINTENANCE OF COMPONENTS, IF THE INSPECTION GUIDANCE FOR THE MAINTENANCE RULE REQUIRED THAT THE ASSUMPTIONS MADE IN THE PLANT IPE WITH RESPECT TO ONLINE MAINTENANCE WERE VERIFIED AS VALID, THEN THIS WOULD SATISFY THE INTENT OF B-61. HOWEVER, NRR REPLIED THAT SUCH A MODIFICATION OF THE INSPECTION GUIDANCE WAS NOT APPROPRIATE. DISCUSSIONS WITHIN RES ON THE APPROPRIATE COURSE OF ACTION ARE TAKING PLACE.

M I L E S T O N E S

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
DRAFT TAP ISSUED FOR DD APPROVAL	01/84	--	01/84
COMPLETE COORDINATION OF TECHNICAL RESOLUTION WITH RES	04/84	--	08/84
TAP APPROVED BY DIVISION DIRECTOR	05/84	--	07/84
TASK I-METHODOLOGY REVIEW AND DEVELOPMENT COMPLETED	11/84	--	04/85
TASK II-APPLY TO A PWR OR BWR	02/85	--	02/92

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RUN DATE: 02/24/97

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: B-61

TITLE: ALLOWABLE ECCS EQUIPMENT OUTAGE PERIODS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
DEVELOP AN INITIAL RECOMMENDATION FOR STAFF COMMENTS	08/87	--	09/92
APPLY METHODOLOGY TO A SELECTION OF PLANTS	08/85	--	09/92
PREPARE DRAFT DTR	04/86	--	04/94
DRAFT RESOLUTION	02/95	--	06/96
DTR TO ACRS	08/96	03/97	--
CLOSE OUT ISSUE	02/95	04/97	--

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 64

ISSUE NUMBER: HF 5.2 TITLE: REV. CRIT. FOR HUMAN FACTORS ASPECTS OF ADV CONTROLS AND INSTRUMENT.
 IDENTIFICATION DATE: 08/83C PRIORITIZATION DATE: 10/84C TYPE: GSI PRIORITY: H
 TASK MANAGER: J. WACHTEL OFFICE/DIVISION/BRANCH: RES /DSR /HFBR ACTION LEVEL: ACTIVE STATUS: 38
 TAC NUMBERS: RESOLUTION DATE: 06/93C
 WORK AUTHORIZATION: MEMO TO H. THOMPSON FROM H. DENTON DATED 10/1/84,
 "HUMAN FACTORS PROGRAM PLAN"

FIN	CONTRACTOR	CONTRACT TITLE
A3967	BNL	ANNUNCIATORS

WORK SCOPE

THIS ISSUE COMBINES THE ISSUES FROM THE HUMAN FACTORS PROGRAM PLAN OF SECTION 1.5.2
 (A) COMPUTER AND COMPUTER DISPLAYS
 (B) EVALUATION OF OPERATOR AID SYSTEMS
 (C) ANNUNCIATORS
 (D) SAFETY STATUS INDICATION AND APPLICATIONS OF AUTOMATION AND ARTIFICIAL INTELLIGENCE.
 A MANAGEMENT REVIEW OF THESE ISSUES RESULTED IN A DECISION TO RETAIN ONLY THE ANNUNCIATOR ISSUE AS A GENERIC ISSUE. THIS DECISION ALSO CONCLUDED THAT THE REMAINING ISSUES BE REASSIGNED AS RESEARCH ISSUES. A RESEARCH PROJECT ENTITLED "REVIEW CRITERIA FOR HUMAN FACTORS ASPECTS OF ADVANCED CONTROL AND INSTRUMENTATION," FIN 80852, ADDRESSES THESE ISSUES.
 THE GOAL OF THIS WORK IS TO DETERMINE THE RISK TO PUBLIC HEALTH AND SAFETY RESULTING FROM HUMAN ERROR IN THE

USE OF INFORMATION FROM CONTROL BOARD ANNUNCIATORS. THE RESULTS FROM A PRA ESTABLISHED THE MAGNITUDE OF THE RISK INVOLVED AND THE POTENTIAL REDUCTION IN RISK EXPECTED. A VALUE/IMPACT ANALYSIS WAS COMPLETED AND ESTIMATED THE COST OF POTENTIAL MODIFICATIONS TO ANNUNCIATORS.
 THE RESULTS OF THE VALUE/IMPACT ANALYSIS REQUIRE THAT ADDITIONAL EXPERIMENTAL WORK ON ANNUNCIATOR UPGRADES BE CONDUCTED ON A T/C SIMULATOR TO RESOLVE THE ANNUNCIATOR ISSUE. IN EVALUATING ALARM REDUCTION TECHNIQUES, WE ALSO PLAN TO USE THE RESEARCH RESULTS ON ADVANCED ALARM SYSTEMS CONDUCTED AT THE HALDEN PROJECT. THE RESULTS FROM THIS EFFORT WILL DEVELOP GUIDELINES ON COMPUTER-BASED ANNUNCIATOR SYSTEMS. THESE GUIDELINES WILL SERVE AS THE BASIS FOR A NUREG ON ANNUNCIATORS. NRR WILL INCORPORATE RESULTS OF THIS WORK IN THEIR MODIFICATIONS TO THE STANDARD REVIEW PLAN.

STATUS

BY LETTER DATED DECEMBER 29, 1987, THE SOW FOR THE VALUE-IMPACT STUDY WAS FORWARDED TO BNL. PROJECT AND BUDGET PROPOSAL FOR NRC WORK (NRC FORM 189) RECEIVED MARCH 7, 1988. BNL BEGAN WORK IN APRIL 1988. VALUE/IMPACT STUDY WAS

COMPLETED IN NOVEMBER 1988. ALARM REDUCTION STUDY BEGAN OCTOBER 1990. WORK TERMINATED. (SEE MEMORANDUM FROM E. BECKJORD TO THE EDO ON JUNE 29, 1993.)

AS OF FY97 QUARTER 1

RUN DATE: 02/24/97

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 65

ISSUE NUMBER: HF 5.2

TITLE: REV. CRIT. FOR HUMAN FACTORS ASPECTS OF ADV CONTROLS AND INSTRUMENT.

AFFECTED DOCUMENTS

NUREG/CR-6105, "HUMAN FACTORS ENGINEERING GUIDANCE FOR THE REVIEW OF ADVANCED ALARM SYSTEMS."

PROBLEM/RESOLUTION

NONE.

M I L E S T O N E S

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
BEGIN VALUE/IMPACT STUDY OF ANNUNCIATORS	02/88	--	04/88
COMPLETE VALUE/IMPACT STUDY	07/88	--	10/88
NRC COMPLETES REVIEW OF STUDY RESULTS	09/88	--	11/88
ISSUE SOW FOR ALARM REDUCTION EVALUATION	11/88	--	01/89
BEGIN ALARM REDUCTION STUDY	01/89	--	03/89
PREPARE CLOSEOUT PACKAGE	04/93	--	04/93
CLOSE OUT MEMO TO EDO	06/93	--	06/93
ISSUE INTERIM ALARM GUIDELINES (NUREG/CR-6105)	08/94	--	09/94
COMPLETE ALARM REDUCTION STUDY	11/89	12/97	--

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 66

ISSUE NUMBER: II.E.6.1 TITLE: IN-SITU TESTING OF VALVES
 IDENTIFICATION DATE: 05/80C PRIORITIZATION DATE: 11/83C TYPE: GSI PRIORITY: M
 TASK MANAGER: T. SCARBROUGH OFFICE/DIVISION/BRANCH: NRR /DE /EMEB ACTION LEVEL: ACTIVE STATUS:
 TAC NUMBERS: M80330 M82072 M75089 M88898 RESOLUTION DATE: 06/89C
 WORK AUTHORIZATION: NRR FY-84 OPERATING PLAN (APPENDIX G)

FIN	CONTRACTOR	CONTRACT TITLE
A3821	BNL	ADEQUACY OF CURRENT VALVE INSERVICE TEST METHODS

WORK SCOPE

SPECIFIC ACTIVITIES INCLUDED IN THE GENERIC ACTION PLAN TO IMPROVE MOV PERFORMANCE ARE:

<p>(1) REGULATORY IMPROVEMENTS - THE STAFF IS WORKING WITH ASME TO IMPROVE THE INSERVICE TESTING REQUIREMENTS IN THE ASME CODE, AND THE STAFF IS WORKING WITH OM TO DEVELOP GUIDELINES FOR PERIODIC VERIFICATION OF MOV DESIGN-BASIS CAPABILITY TO REPLACE STROKE-TIME TESTING. ASME ISSUED CODE CASE OMN-1, "ALTERNATIVE RULES FOR PRESERVICE AND INSERVICE TESTING OF CERTAIN ELECTRIC MOTOR OPERATED VALVE ASSEMBLIES IN LWR POWER PLANTS OM - CODE 1995 EDITION; SUBSECTION ISTC." STAFF REFERENCES CODE CASE IN GL 96-05.</p>	<p>(2) EPRI MOV PERFORMANCE PREDICTION PROGRAM - ON MARCH 15, 1996, THE STAFF ISSUED SE ON THE EPRI MOV PERFORMANCE PREDICTION PROGRAM. THE STAFF IS REVIEWING THE HAND-CALCULATION MODELS FOR TWO UNIQUE GATE VALVE DESIGNS.</p> <p>(3) MOV PERIODIC VERIFICATION GENERIC LETTER - ON SEPTEMBER 18, 1996, THE STAFF ISSUED GENERIC LETTER 96-05 TO PROVIDE RECOMMENDATIONS ON THE PERIODIC VERIFICATION OF MOV DESIGN-BASIS CAPABILITY.</p> <p>(4) MOV INSPECTION MODULE - THE STAFF PLANS TO PREPARE AN INSPECTION MODULE FOR INSPECTING MOV PROGRAMS OVER THE LONG TERM AND PROVIDE APPROPRIATE TRAINING FOR INSPECTORS.</p>
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STATUS

<p>COORDINATION WITH INDUSTRY AND SUPPORT TO NRC REGIONAL STAFF, EFFORTS ON CODES AND STANDARDS, AND MOV RESEARCH AND ANALYSIS ARE ONGOING ACTIVITIES. ON SEPTEMBER 18, 1996, STAFF ISSUED GL 96-05 ON MOV PERIODIC VERIFICATION. ON MARCH 15, 1996, THE STAFF ISSUED A NONPROPRIETARY SAFETY EVALUATION OF THE EPRI MOV PERFORMANCE PREDICTION PROGRAM. THE STAFF IS REVIEWING THE REMAINING EPRI MODELS FOR TWO UNIQUE GATE VALVE DESIGNS AND PLANS TO ISSUE A SUPPLEMENT TO THE SE ADDRESSING THESE TWO MODELS IN EARLY 1997. THE</p>	<p>STAFF HAS BEEN ALERTING LICENSEES, NEI, AND EPRI TO THE STAFF'S FINDINGS FROM THE EPRI PROGRAM REVIEW AND HAS BEEN COMMUNICATING STAFF VIEWS WITH INDUSTRY REGARDING PERIODIC VERIFICATION. IN ADDITION, THE STAFF HAS BEEN FACTORING THE OVERALL FINDINGS FROM THE EPRI PROGRAM INTO STAFF ACTIVITIES. WITH ISSUANCE OF GL 96-05, STAFF WORKING TO COMPLETE SE SUPPLEMENT ON EPRI MOV TOPICAL REPORT BEFORE CLOSING MOV ACTION PLAN.</p>
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AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: II.E.6.1

TITLE: IN-SITU TESTING OF VALVES

AFFECTED DOCUMENTS

- (1) BULLETIN 85-03
- (2) GL 89-10 AND 7 SUPPLEMENTS
- (3) NUREG-1352
- (4) GL 96-05

PROBLEM/RESOLUTION

NONE.

M I L E S T O N E S

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
INSERVICE TESTING OF CHECK VALVES	--	--	--
(INPO) ISSUE SOER REGARDING AUGMENTED TESTING OF CHECK VALVES	07/86	--	10/86
(NRR/RES) REVIEW SOER TO SEE IF NRC CONCERNS ON IN-SITU TESTING OF "SIMPLE" CHECK VALVES SATISFIED. ISSUE RPT &/OR LTR	10/86	--	02/87
(NSSS OWNERS GROUP) ISSUE OWNERS GROUP APPLICATION GUIDE FOR CHECK VALVES	05/87	--	11/87
(NRR/RES) REVIEW OWNERS GROUP APPL GUIDE TO SEE IF NRC CONCERNS ON IN-SITU TEST OF "SIMPLE" CHECK VALVES ARE SATISFIED	08/87	--	01/88
(NRR/RES) REPORT (ACRS)	08/87	--	03/88
THERMAL OVERLEAD PROTECTION OF MOV'S	--	--	--
(RES/EIB) COMPLETE REVIEW TO DETERMINE REQ'D MODS, IF ANY, TO RG 1.106 REGARDING TOL PROTECTION	05/85	--	10/87
FINAL NUREG ISSUED	07/88	--	06/88
LETTERS TO ASME & IEEE	12/88	--	12/88
CLOSE OUT MEMO ON CHECK VALVES & TOL	01/89	--	06/89

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 68

ISSUE NUMBER: II.E.6.1

TITLE: IN-SITU TESTING OF VALVES

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
INSERVICE TESTING OF MOV'S	--	--	--
(RES) ISSUE MOVATS REPORT REGARDING USE OF SIGNATURE TRACING TECHNIQUES TO EVAL. THE OPERABILITY OF MOV'S	09/85	--	01/86
(NRR/RES) REVIEW MOVATS REPORT AND AEOD COMMENTS ON MOVATS REPORT	11/85	--	08/86
(NRR) REVIEW RESPONSES TO IE BULLETIN 85-03 FROM LICENSEES AND APPLICANTS	01/87	--	12/88
(RES/EIB) PREPARE STAFF POSITION ON ADDITI- ONAL AND/OR MODIFIED IN SITU TESTING OF MOV'S	02/86	--	10/87
(RES/IEB) PREPARE VALUE/IMPACT STMT & COST/ BENEFIT ANALYSIS FOR STAFF POSITION ON MOV IN-SITU TEST	04/87	--	02/88
COMPLETE PROPOSED RESOLUTION PACKAGE	03/88	--	06/88
DIVISION DEPUTY DIRECTOR RES REVIEW COMPLETED	04/88	--	06/88
PACKAGE TO CRGR AND ACRS	06/88	--	09/88
GL TO NRR	02/89	--	02/89
CRGR REVIEW COMPLETE	08/88	--	03/89
ACRS REVIEW COMPLETE	10/88	--	05/89
RES SEND GL TO NRR	04/89	--	05/89
NRR ISSUANCE OF GENERIC LETTER ON MOV'S	09/89	--	06/89
CLOSE OUT MEMO TO EDO (TASK MANAGER - OWEN ROTHBERG, EIB/DSIR/RES)	06/89	--	06/89
ISSUE GL 89-10, SUPPLEMENT 7	01/95	--	01/95

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: II.E.6.1

TITLE: IN-SITU TESTING OF VALVES

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
ISSUE NEW GENERIC LETTER ON MOV PERIODIC VERIFICATION FOR PUBLIC COMMENT	02/96	--	02/96
SER ON EPRI MOV PERFORMANCE PREDICTION PROGRAM	02/96	--	03/96
FINAL ISSUANCE OF NEW GENERIC LETTER ON MOV PERIODIC VERIFICATION	08/96	--	09/96
SER SUPPLEMENT ON EPRI MOV PERFORMANCE PREDICTION PROGRAM	08/96	01/97	--
CLOSE OUT ISSUE	01/97	02/97	--
PREPARE MOV INSPECTION MODULE	10/96	06/97	--
COMPLETE POST-RESOLUTION FOLLOWUP WORK	--	--	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 70

ISSUE NUMBER: RGA 001
IDENTIFICATION DATE: 02/96C

TITLE: BOILING WATER REACTOR INTERNALS

PRIORITIZATION DATE: _____

TYPE:

PRIORITY:

TASK MANAGER: D. TERAQ

OFFICE/DIVISION/BRANCH: NRR /DE /EMCB

ACTION LEVEL: ACTIVE

STATUS:

TAC NUMBERS: M91898 M93627 M93925 M93926 M94959 M94975 M95369

RESOLUTION DATE: _____

WORK AUTHORIZATION:

FIN

CONTRACTOR

CONTRACT TITLE

WORK SCOPE

THE STAFF WILL CONTINUE TO ASSESS THE REPORTS THAT HAVE BEEN OR HAVE YET TO BE SUBMITTED BY THE BWRVIP CONCERNING INSPECTIONS OF BWR INTERNALS AND REINSPECTIONS OF CORE SHROUDS. THE STAFF WILL ALSO CONTINUE TO ASSESS CORE SHROUD REPAIR DESIGNS ON A CASE-BY-CASE BASIS. THE STAFF WILL ISSUE SEPARATE SAFETY EVALUATIONS REGARDING THE ACCEPTABILITY OF CORE SHROUD REPAIR DESIGNS. THE STAFF HAS BEEN INTERACTING WITH THE BWRVIP AND INDIVIDUAL LICENSEES. IN AN EFFORT TO LOWER THE NUMBER

OF INDUSTRY AND STAFF RESOURCES THAT WILL BE NEEDED IN THE FUTURE, IT IS IMPORTANT FOR THE STAFF TO CONTINUE INTERACTING WITH THE INDUSTRY ON A GENERIC BASIS IN ORDER TO ENCOURAGE THEM TO CONTINUE THEIR PROACTIVE EFFORTS TO RESOLVE IGSCC OF BWR INTERNALS. THE BWRVIP HAS SUBMITTED 12 GENERIC DOCUMENTS SUPPORTING PLANT-SPECIFIC SUBMITTALS FOR STAFF REVIEW. THE STAFF IS ENSURING THAT THE GENERIC REVIEWS ARE INCORPORATING RECENT OPERATING EXPERIENCE ON ALL BWR INTERNALS.

STATUS

ALL BWR'S COMPLETED INSPECTIONS OR REPAIRS OF CORE SHROUDS DURING REFUELING OUTAGES AS OF THE FALL OF 1996. VARIOUS REPAIR METHODS HAVE BEEN USED TO PROVIDE ALTERNATE LOAD CARRYING CAPABILITY, INCLUDING PREEMPTIVE REPAIRS, INSTALLATION OF A SERIES OF CLAMPS, AND USE OF A SERIES OF TIE-ROD ASSEMBLIES. THE NRC HAS REVIEWED AND APPROVED ALL SHROUD MODIFICATION PROPOSALS THAT HAVE BEEN SUBMITTED BY

BWR LICENSEES.

THE BWRVIP HAS ISSUED 12 GENERIC REPORTS FOR STAFF REVIEW. THE NRC STAFF HAS ISSUED REQUESTS FOR ADDITIONAL INFORMATION ON 5 BWRVIP REPORTS AND RECEIVED RESPONSES ON 3 REPORTS. THE STAFF IS CONTINUING ITS REVIEW OF ALL 12 GENERIC REPORTS.

AFFECTED DOCUMENTS

GL 94-03
NUREG-1544

PROBLEM RESOLUTION

NONE.

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: RGA 001

TITLE: BOILING WATER REACTOR INTERNALS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
ISSUE GL 94-03	07/94	--	07/94
TAP APPROVED	04/95	--	04/95
COMPREHENSIVE PLAN (BWRVIP-06) RECEIVED BY NRC	12/95	--	10/95
BWRVIP-07 RECEIVED BY NRC	02/96	--	02/96
ISSUE NUREG-1544	03/96	--	03/96
REVIEW BWR VESSEL SHELL WELD INSPECTION RECOMMENDATIONS (BWRVIP-05)	08/96	03/97	--
REVIEW RPV AND INTERNALS EXAMINATION GUIDE- LINES (BWRVIP-03)	06/96	03/97	--
REVIEW GUIDELINES FOR REINSPECTION OF CORE SHROUDS (BWRVIP-07)	08/96	03/97	--
REVIEW BOUNDING ASSESSMENT OF BWR/2-6 RPV INTEGRITY ISSUES (BWRVIP-08)	03/97	03/97	--
SAFETY ASSESSMENT OF BWR REACTOR INTERNALS (BWRVIP-06)	08/96	06/97	--
EVALUATION OF CRACK GROWTH IN BWR STAINLESS STEEL RPV INTERNALS (BWRVIP-14)	12/96	06/97	--
REVIEW ASSESSMENT OF BWR JET PUMP RISER ELBOW TO THERMAL SLEEVE CRACKING	06/97	06/97	--
CORE SPRAY INTERNAL INSPECTION AND FLAW EVALUATION GUIDELINES (BWRVIP-18)	07/97	07/97	--
REVIEW GENERIC REPAIR TECHNOLOGY, CRITERIA AND GUIDANCE	08/96	08/97	--
REVIEW GENERIC MITIGATION GUIDELINES AND CRITERIA	08/97	08/97	--

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 72

ISSUE NUMBER: RGA 001

TITLE: BOILING WATER REACTOR INTERNALS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
REVIEW GENERIC NDE TECHNOLOGIES FOR EXAMINATIONS OF BWR INTERNAL COMPONENTS AND ATTACHMENTS	08/97	08/97	--
CORE SPRAY PIPING AND SPARGER REPAIR DESIGN CRITERIA (BWRVIP-19)	09/97	09/97	--
REVIEW ROLL/EXPANSION OF CRD AND IN-CORE INSTRUMENT PENETRATIONS IN BWR VESSELS (BWRVIP-17)	09/97	09/97	--
REVIEW CORE PLATE INSPECTION AND FLAW EVALUATION GUIDELINE (BWRVIP-25)	09/97	09/97	--
REVIEW TOP GUIDE INSPECTION AND FLAW EVALUATION GUIDELINE	09/97	09/97	--
CLOSE OUT ACTIVITY	--	--	--

AS OF FY97 QUARTER 1

RUN DATE: 02/24/97

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 73

ISSUE NUMBER: RGA 002

TITLE: REACTOR PRESSURE VESSEL FRACTURE TOUGHNESS

IDENTIFICATION DATE: 02/96C

PRIORITIZATION DATE: _____

TYPE:

PRIORITY:

TASK MANAGER: B. ELLIOT

OFFICE/DIVISION/BRANCH: NRR /DE /EMCB

ACTION LEVEL: ACTIVE

STATUS:

TAC NUMBERS: M92310 M92313 M93329 M93330 M93331

RESOLUTION DATE: 10/96

WORK AUTHORIZATION:

FIN

CONTRACTOR

CONTRACT TITLE

WORK SCOPE

SPECIFIC ACTIONS INCLUDED IN THE GENERIC ACTION PLANS ARE:
(1) ISSUE SUPPLEMENT 1 TO GL 92-01, (2) COORDINATION WITH
RES ON RPV INTEGRITY ISSUES, (3) HOLD AN NRC/INDUSTRY WORK-
SHOP ON RPV ISSUES, (4) REVIEW FIRST AND SECOND ROUND OF
RESPONSES TO GL 92-01 SUPPLEMENT 1, (5) ISSUE SUPPLEMENT 1

TO NUREG-1511 IN 1996 AND ISSUE SUPPLEMENT 2 TO NUREG-1511
IN 1997, (6) ISSUE REVISION 1 OF THE RVID IN 1996 AND ISSUE
REVISION 2 OF THE RVID IN 1997, (7) OBSERVE INDUSTRY ANNEAL-
ING DEMONSTRATIONS, (8) REVIEW AND EVALUATE THE PALISADES
ANNEALING PLAN, AND (9) REVIEW THE PALISADES ANNEAL.

STATUS

THE REACTOR PRESSURE VESSEL FRACTURE TOUGHNESS ACTION
PLAN WAS CLOSED OUT BECAUSE ALL TASKS HAVE EITHER BEEN
COMPLETED, WILL BE COMPLETED AS PART OF INDIVIDUAL PLANT
REVIEWS OR AS MULTI-PLANT ACTION ITEMS, OR WILL BE REVIEWED
AS PART OF NRR OVERSIGHT OF RES PROGRAMS.

REVIEW OF THE RESPONSES TO GENERIC LETTER 92-01,
SUPPLEMENT 1, WILL BE COMPLETED UNDER MULTIPLANT ACTION
(MPA) L201.

REVIEW OF THE PALISADES ANNEALING PLAN AND ANNEAL WILL

BE COMPLETED UNDER PLANT SPECIFIC TAC M92310 (TAC M92313
WAS ALSO OPENED FOR STUDY OF THE ANNEALING DEMONSTRATION
PROJECTS).

NUREG-1511, REACTOR PRESSURE VESSEL STATUS REPORT,
SUPPLEMENT 2, AND ISSUANCE OF THE REACTOR VESSEL INTEGRITY
DATABASE, REVISION 2, WILL BE COMPLETED AS PART OF MPA
L201.

COORDINATION WITH RESEARCH IS ONGOING.

AFFECTED DOCUMENTS

GL 92-01, REV. 1
NUREG-1511
NRC ADMINISTRATIVE LETTER 95-03
RG 1.99

PROBLEM/RESOLUTION

NONE

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: RGA 002

TITLE: REACTOR PRESSURE VESSEL FRACTURE TOUGHNESS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
TAP APPROVED	--	--	--
ISSUE GL 92-01, REV. 1	03/92	--	03/92
ISSUE GL 92-01, REV.1 (SUPPLEMENT 1)	05/95	--	05/95
NRC/INDUSTRY WORKSHOP ON RPV ISSUES	07/95	--	07/95
REVIEW OF RESPONSES TO GL 92-01, SUPPLEMENT 1 (FIRST ROUND)	10/95	--	10/95
ISSUE RVID, REV. 1	06/96	--	06/96
OBSERVE INDUSTRY ANNEALING DEMONSTRATION	12/96	--	07/96
NUREG-1511 RPV STATUS REPORT, SUPPLEMENT 1	06/96	--	10/96
CLOSE OUT ACTIVITY	01/97	01/97	--

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 75

ISSUE NUMBER: RGA 003 TITLE: DRY CASK STORAGE OF SPENT FUEL
 IDENTIFICATION DATE: 02/96C PRIORITIZATION DATE: _____ TYPE: PRIORITY:
 TASK MANAGER: P. ENG OFFICE/DIVISION/BRANCH: NMSS/SFPO/ ACTION LEVEL: ACTIVE STATUS:
 TAC NUMBERS: M93821 M93927 M94107 M94108 RESOLUTION DATE: _____
 WORK AUTHORIZATION: MEMO FROM C. PAPERIELLO TO W. RUSSELL AND J. TAYLOR ON
 JULY 28, 1995

FIN

CONTRACTOR

CONTRACT TITLE

W O R K S C O P E

ACTIONS INCLUDED IN THE PLAN ARE: (1) REVIEW EACH GENERAL ISSUE AND IDENTIFY THE SPECIFIC PROBLEMS TO BE ADDRESSED, (2) DEVELOP CORRECTIVE ACTIONS FOR EACH PROBLEM, AND (3) IMPLEMENT THE CORRECTIVE ACTIONS.

S T A T U S

THE FOLLOWING ACTION PLAN ISSUES HAVE BEEN COMPLETED: CASK TRUNNIONS, CASK WEEPING, HYDROSTATIC TESTING, SAFE-GUARDS CONCERNS, PART 72 REPORTING REQUIREMENTS, INSPECTION OF SITE ACTIVITIES, AND VENDOR INSPECTIONS. THE INSPECTION PROCEDURES FOR DRY CASK ACTIVITIES (SITE AND VENDOR) WERE ISSUED IN FEBRUARY 1996. THESE PROCEDURES INCLUDED RESOURCE ESTIMATES FOR INSPECTION ACTIVITIES. THE STAFF INCORPORATED ADDITIONAL GUIDANCE ON SEISMIC ISSUES INTO INSPECTION PROCEDURE (IP) 60851 AND ADDITIONAL GUIDANCE CONCERNING CONSIDERATION OF FAILED FUEL IN UNLOADING PROCEDURES INTO IP 60854. THE WORKING GROUP HAS COMPLETED ITS REVIEW OF THE ISSUES ASSOCIATED WITH CASK LOADING AND UNLOADING. THE WORKING GROUP IS IMPLEMENTING ITS RECOMMENDATIONS, INCLUDING THE PREPARATION OF AN INFORMATION NOTICE CONCERNING LOADING AND UNLOADING ISSUES. RECENT INFORMATION (E.G., HYDROGEN IGNITION AT POINT BEACH) MAY REQUIRE ADDITIONS TO THE ACTION PLAN. THE REMAINING TECHNICAL ISSUE (HEAVY LOAD CONTROL) IS ON SCHEDULE. A 50.59 ISSUE INVOLVING HEAVY LOAD CONTROL IN GENERAL IS THE SUBJECT OF NRC BULLETIN 96-02, ISSUED APRIL 11, 1996. THE DRAFT SRP HAS BEEN ISSUED FOR COMMENT. PUBLIC COMMENTS ARE DUE BY JUNE 18, 1996. ALL OF THE COMMUNICATIONS ISSUES ARE ONGOING EFFORTS WITH NO SPECIFIC CRITERIA FOR CLOSURE. HOWEVER, THERE HAVE BEEN SIGNIFICANT IMPROVEMENTS IN THESE AREAS. THE REGIONS, NMSS, AND NRR HOLD REGULAR INTERFACE CALLS TO DISCUSS DRY CASK ISSUES. TRAINING HAS BEEN GIVEN TO THE AFFECTED STAFF, AND NRC HAS ESTABLISHED OPEN COMMUNICATIONS WITH THE NEWLY-FORMED NUCLEAR ENERGY INSTITUTE DRY CASK STORAGE ISSUE TASK FORCE. BASED ON THESE IMPROVEMENTS, THE STAFF WILL REVIEW THESE ISSUES FOR CLOSURE IN THE COMING MONTHS. THE ECD FOR THE REVIEW OF THE FIRST SUBMITTAL FOR THE STORAGE OF DAMAGED FUEL HAS BEEN CHANGED TO 03/97 DUE TO UNTIMELY RESPONSES FROM THE APPLICANT. NMSS/SFPO SPONSORED A PUBLIC WORKSHOP ON DRY CASK STORAGE ON MAY 17, 1996. WELL OVER 300 PEOPLE ATTENDED FROM THE PLANTS, STATES, INDUSTRY GROUPS, VENDORS, AND THE STAFF. THE STAFF BRIEFED THE COMMISSION ON THE STATUS OF THE DRY CASK STORAGE PROGRAM ON MAY 30, 1996. IN RESPONSE TO A HYDROGEN IGNITION EVENT AT POINT BEACH ON MAY 28, THE STAFF ISSUED INFORMATION NOTICE 96-34 ON MAY 31, 1996.

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: RGA 003

TITLE: DRY CASK STORAGE OF SPENT FUEL

AFFECTED DOCUMENTS

PROBLEM/RESOLUTION

*** TO BE DETERMINED ***

*** NONE ***

M I L E S T O N E S

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
ISSUE IN ON SEISMIC REQUIREMENTS FOR PADS	06/95	--	06/95
DEVELOP ACTION PLAN	07/95	--	07/95
MEET WITH NEI ON CASK WEEPING	08/95	--	08/95
DEVELOP POSITION ON REPORTING REQUIREMENTS	09/95	--	09/95
DEVELOP STAFF POSITION ON CASK TRUNIONS	09/95	--	09/95
FORM WORKING GROUP ON CASK LOADING/UNLOADING PROCEDURES	10/95	--	10/95
DEVELOP WORKING GROUP PLAN ON HEAVY LOADS/ CRANES	11/95	--	11/95
HYDROSTATIC TESTING	12/95	--	12/95
COMPLETE ANALYSIS OF SAFEGUARDS DESIGNS	12/95	--	12/95
ISSUE REVISED PROCEDURES FOR VENDOR INSPECTIONS	02/96	--	02/96
ISSUE REVISED PROCEDURES FOR INSPECTION OF SITE ACTIVITIES	02/96	--	02/96
ISSUE SRP AND 10 CFR 50.59 GUIDANCE	03/96	--	03/96
COMPLETE ACTION ON HEAVY LOADS/CRANES	12/96	12/96	--
REVIEW PROPOSED SOLUTIONS FOR FAILED FUEL STORAGE	03/97	03/97	--

AS OF FY97 QUARTER 1

RUN DATE: 02/24/97

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 77

ISSUE NUMBER: RGA 003

TITLE: DRY CASK STORAGE OF SPENT FUEL

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
----- CLOSE OUT ACTIVITY	----- --	----- --	----- --

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 78

ISSUE NUMBER: RGA 004 TITLE: THERMO-LAG FIRE BARRIERS
 IDENTIFICATION DATE: 02/96C PRIORITIZATION DATE: _____ TYPE: _____ PRIORITY: _____
 TASK MANAGER: S. WEST OFFICE/DIVISION/BRANCH: NRR /DSSA/SPLB ACTION LEVEL: ACTIVE STATUS: _____
 TAC NUMBERS: M82809 M90203 M90284 RESOLUTION DATE: _____
 WORK AUTHORIZATION: _____

FIN

CONTRACTOR

CONTRACT TITLE

WORK SCOPE

SPECIFIC ACTIONS INCLUDE (1) THE RESOLUTION OF CONCERNS AND
 GENERIC ISSUES RAISED BY THE SPECIAL REVIEW TEAM AND
 (2) RESOLUTION OF PLANT-SPECIFIC ISSUES THAT EMERGE FROM
 THE GENERIC ISSUES. IN JUNE 1994, THE COMMISSION APPROVED

A STAFF RECOMMENDATION TO RESOLVE THERMO-LAG CONCERNS BY
 REQUIRING COMPLIANCE WITH EXISTING NRC REQUIREMENTS AND TO
 PERMIT PLANT-SPECIFIC EXEMPTIONS, WHERE JUSTIFIED.

STATUS

THE STAFF COMPLETED THE THERMO-LAG ACTION PLAN.
 SPECIFICALLY, THE STAFF COMPLETED THE REMAINING GENERIC
 ISSUES, THE MECHANICAL PROPERTIES TEST PROGRAM, AND THE
 FIRE CURVE FEASIBILITY STUDY. THE STAFF ALSO COMPLETED ITS
 REVIEW OF LICENSEES' RESPONSES TO GENERIC LETTER (GL) 92-08,
 "THERMAL-LAG 330-1 FIRE BARRIERS" AND DETERMINED THAT MOST
 CORRECTIVE ACTION PLANS ARE ACCEPTABLE. HOWEVER, THE STAFF
 IS CONCERNED THAT SOME LICENSES MAY NOT BE MAKING PROGRESS
 TOWARD RESOLVING THE PLANT-SPECIFIC ISSUES, AND SOME
 IMPLEMENTATION SCHEDULES MAY BE EITHER TOO TENUOUS OR TOO
 PROTRACTED. THE STAFF HAS ALSO ESTABLISHED A PROCESS
 FOR MONITORING LICENSEES' CORRECTIVE ACTION PLANS AND

SCHEDULES.

THE STAFF IS HANDLING THE REVIEW OF PLANT-SPECIFIC
 CORRECTIVE ACTIONS AS MULTIPLANT ACTION MPA-L208 UNDER
 GENERIC LETTER (GL) 92-08, "THERMO-LAG 330-1 FIRE BARRIERS,"
 AND THE REVIEW OF RELATED PLANT-SPECIFIC ISSUES, SUCH AS
 FIRE PROTECTION EXEMPTION REQUESTS AND AMPACITY DERATING
 EVALUATIONS AND ANALYSES, AS PLANT-SPECIFIC LICENSING
 ACTIONS. THE MPA AND PLANT-SPECIFIC LICENSING ACTIONS ARE
 TRACKED BY THE WORKLOAD INFORMATION AND SCHEDULING PROGRAM
 (WISP) AND ARE NOT A PART OF THE THERMO-LAG ACTION PLAN.

*SEE NRR DIRECTOR'S MONTHLY REPORT FOR STATUS.

AFFECTED DOCUMENTS

IN 91-47; IN 91-79 AND SUPPLEMENT 1; IN 92-46; IN 92-55;
 IN 92-82; IN 94-22; IN 94-34; IN 94-86, SUPPLEMENT 1;
 IN 95-27; IN 95-32; IN 95-49

PROBLEM/RESOLUTION

NONE.

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

RUN DATE: 02/24/97

PAGE: 79

ISSUE NUMBER: RGA 004

TITLE: THERMO-LAG FIRE BARRIERS

AFFECTED DOCUMENTS

BULLETIN 92-01 AND SUPPLEMENT 1
GL 92-03; GL 86-10, SUPPLEMENT 1

PROBLEM/RESOLUTION

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
ASSESS NRC FIRE PROTECTION PROGRAM (PART IV)	02/93	--	02/93
TESTING (PART II) SUBMITTED TO NRC	04/95	--	04/95
NEI SUBMITS EXECUTIVE SUMMARY OF NUCON REPORT	10/95	--	10/95
NIST DRAFT REPORT SUBMITTED TO NRC	11/95	--	11/95
NRC PROVIDES COMMENTS AND TECHNICAL DIRECTION TO NIST	12/95	--	12/95
SEMIANNUAL COMMISSION STATUS REPORT	04/96	--	04/96
RESOLVE TECHNICAL ISSUE (PART I)	09/96	--	09/96
SEMIANNUAL COMMISSION STATUS REPORT	10/96	--	10/96
CLOSE OUT ACTIVITY	--	--	--

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

RUN DATE: 02/24/97

PAGE: 80

ISSUE NUMBER: RGA 005 TITLE: RCS DRAINDOWN
 IDENTIFICATION DATE: 02/96C PRIORITIZATION DATE: _____ TYPE: PRIORITY:
 TASK MANAGER: M. RAZZAQUE OFFICE/DIVISION/BRANCH: NRR /DSSA/SRXB ACTION LEVEL: ACTIVE STATUS:
 TAC NUMBERS: M91621 M92635 M93568 RESOLUTION DATE: 11/97
 WORK AUTHORIZATION:

FIN

CONTRACTOR

CONTRACT TITLE

WORK SCOPE

SPECIFIC ACTIONS INCLUDED IN THE GENERIC ACTION PLAN ARE:
 (1) IN 95-03 ISSUED 01/12/95 AND SUPPLEMENT TO IN 95-03
 ISSUED 03/25/96: (10 CFR 50.54(F) GENERIC LETTER (GL)) TO PROVIDE INFORMATION
 (2) REQUEST ALL PWR LICENSEES, VIA AN INFORMATION GATHERING ON DRAINDOWN VULNERABILITIES AND THE MEASURES THEY
 IMPLEMENTED TO DIMINISH THE PROBABILITY OF A DRAINDOWN.

STATUS

BY ISSUING AN SRM DATED 01/22/97, COMMISSION REQUIRES
 THAT STAFF (1) ALLOW A PUBLIC COMMENT PERIOD OF NO LESS THAN
 30 DAYS PRIOR TO ISSUANCE OF THE GL AND (2) CERTAIN
 REFERENCES TO GDC 34 AND 35 SHOULD BE REPLACED WITH MORE
 GENERAL LANGUAGE CONCERNING REGULATORY AND LICENSING
 REQUIREMENTS.

AFFECTED DOCUMENTS

IN 95-03
 AEOD/S95-01

PROBLEM/RESOLUTION

STAFF HAS MADE THE CHANGES AS REQUIRED BY THE SRM AND IS
 ARRANGING TO PUBLISH IT IN THE FEDERAL REGISTER FOR PUBLIC
 COMMENTS. COMMISSION REQUIREMENTS, AS STATED ABOVE, WILL
 HAVE IMPACT ON THE DATE OF ISSUE OF THE GL.

MILESTONES

TAP APPROVED

ORIGINAL
 DATE

CURRENT
 DATE

ACTUAL
 DATE

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

RUN DATE: 02/24/97

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ISSUE NUMBER: RGA 005

TITLE: RCS DRAINDOWN

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
IN 95-03 ISSUED	01/95	--	01/95
DRAFT GL	11/95	--	11/95
ISSUE SUPPLEMENT 1 TO IN 95-03	03/96	--	03/96
GL TO CRGR	06/96	--	08/96
COMPLETE DRAFT TI-ISSUE TO REGIONS FOR COMMENTS	06/96	03/97	--
ISSUE GENERIC LETTER	06/96	03/97	--
RECEIVE REGIONAL COMMENTS ON TI	08/96	05/97	--
COMPLETE EVALUATION OF RESPONSES TO GL	11/96	08/97	--
ISSUE TI	11/96	08/97	--
COMPLETE INSPECTIONS	02/97	11/97	--
CLOSE OUT ACTIVITY	11/97	11/97	--

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 82

ISSUE NUMBER: RGA 006 TITLE: SRP REVISION
 IDENTIFICATION DATE: 02/96C PRIORITIZATION DATE: TYPE: PRIORITY:
 TASK MANAGER: A. MASCIANTONIO OFFICE/DIVISION/BRANCH: NRR /DISP/PIPB ACTION LEVEL: ACTIVE STATUS:
 TAC NUMBERS: M40047 MB3832 RESOLUTION DATE:
 WORK AUTHORIZATION: MEMORANDUM FROM J. TAYLOR TO THE CHAIRMAN ON 11/18/91.

FIN

CONTRACTOR

CONTRACT TITLE

WORK SCOPE

SPECIFIC TASKS INCLUDED IN THE ACTION PLAN ARE: 1) IDENTIFY ESTABLISHED STAFF POSITIONS AND NEW REGULATORY REQUIREMENTS FROM A REVIEW OF GENERIC REGULATORY DOCUMENTS ISSUED SINCE THE LAST SRP REVISION AND FROM A REVIEW OF NRR STAFF SAFETY EVALUATION REPORTS FOR EVOLUTIONARY LWR DESIGNS; 2) PREPARE A SIDE-BY-SIDE COMPARISON OF THE SRP-CITED VERSION OF CODES AND STANDARDS VERSUS THE CURRENT VERSION OF THE STANDARD; 3) PREPARE DRAFT REVISIONS OF THE CURRENT SRP SECTIONS TO

INCORPORATE THE CHANGES RECOMMENDED; 4) PREPARE NEW DRAFT SRP SECTIONS THAT ARE SUPPORTED BY ESTABLISHED STAFF POSITIONS OR ARE FULLY ADDRESSED IN THE EVOLUTIONARY DESIGN REVIEWS; 5) AUTOMATE THE SRP TO MAKE FUTURE REVISIONS AND ACCESSIBILITY EASIER TO ACCOMPLISH; AND 6) MAINTAIN THE PROGRAM DATA BASE TO REFLECT NEW STAFF POSITIONS AND REQUIREMENTS.

STATUS

THE WORK APPROACH AND DETAILED PROCEDURES HAVE BEEN COMPLETED FOR THE DEVELOPMENT OF SRP DRAFT REVISION PACKAGES AND FOR NEW SRP SECTION DEVELOPMENT. BOTH CONTRACTORS HAVE COMPLETED DRAFT REVISION WORK FOR CURRENT SRP SECTIONS AND NEW SRP SECTIONS. PNL HAS COMPLETED CODE AND STANDARD COMPARISON WHICH INVOLVES THE PREPARATION OF SIDE-BY-SIDE COMPARISONS BETWEEN THE CITED VERSION OF CODES AND STANDARDS AND THE LATEST VERSION, TO ALLOW SRP REVIEWERS TO USE THE MORE CURRENT VERSION AND TO SUPPORT SRP UPDATES OF THE CITATIONS.

CODE AND STANDARD NUREGS HAVE BEEN PUBLISHED. REVIEW BY TECHNICAL BRANCHES IS BEING COMPLETED ON A RESOURCE AVAILABLE BASIS CONSISTENT WITH A PRIORITY 3 EFFORT. AN AUTOMATED VERSION OF THE CURRENT SRP HAS BEEN DEVELOPED AND IS OPERATIONAL. THIS AUTOSRP HAS BEEN INSTALLED ON THE NRC LAN. THE UPDATED SRP HAS BEEN ISSUED FOR PUBLIC COMMENT. A FINAL REVISED SRP WILL BE PUBLISHED AFTER RESOLUTION OF PUBLIC COMMENTS AND COMPLETION OF STAFF REVIEW.

**SEE NRR DIRECTOR'S MONTHLY REPORT FOR STATUS.

AFFECTED DOCUMENTS

NUREG-0800

PROBLEM/RESOLUTION

NONE.

AS OF FY97 QUARTER 1

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

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ISSUE NUMBER: RGA 006

TITLE: SRP REVISION

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
TAP APPROVED	05/94	--	05/94
CLOSE OUT ACTIVITY	--	--	--

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 84

ISSUE NUMBER: RGA 007.1.2D TITLE: PRA IMPLEMENTATION PLAN - GRADED QA
 IDENTIFICATION DATE: 02/96C PRIORITIZATION DATE: _____ TYPE: PRIORITY:
 TASK MANAGER: S. BLACK OFFICE/DIVISION/BRANCH: NRR /DRCH/HQMB ACTION LEVEL: ACTIVE STATUS:
 TAC NUMBERS: M91429 M91431 M92420 M92450 M92451 M92447 M92448 M92449 M88650 M91431 RESOLUTION DATE: _____
 WORK AUTHORIZATION:

FIN

CONTRACTOR

CONTRACT TITLE

WORK SCOPE

THE GOAL OF THE ACTION PLAN IS TO UTILIZE THE LESSONS LEARNED FROM THE 3 VOLUNTEER LICENSEES TO MODIFY STAFF-DEVELOPED DRAFT GUIDANCE TO FORMULATE REGULATORY GUIDANCE ON ACCEPTABLE METHODS FOR IMPLEMENTING GRADED QA. THE STAFF WILL DEVELOP A REGULATORY GUIDE, A STANDARD REVIEW PLAN REVISION FOR CHAPTER 17, AND A REACTIVE INSPECTION PROCEDURE (IP) FOR GRADED QA. AN INTEROFFICE TEAM HAS BEEN

ESTABLISHED TO PREPARE THE REGULATORY GUIDANCE DOCUMENTS AND TEST THEIR IMPLEMENTATION DURING THE EVALUATION OF VOLUNTEER PLANT ACTIVITIES.

IN ADDITION TO THE ABOVE, THE FOLLOWING TAC NUMBERS WERE INITIATED: M91432, M91433, M91434, M91435, M91436, AND M91437.

STATUS

OUTLINES OF A DRAFT REG. GUIDE AND SRP FOR BOTH RISK RANKING AND GRADING OF QA CONTROLS HAVE BEEN PREPARED AND CIRCULATED FOR REVIEW FOR THE INTEROFFICE TEAM. A MEETING WAS HELD WITH THE THREE VOLUNTEER LICENSEES ON APRIL 11, 1996, TO RECEIVE THEIR FEEDBACK ON THE STAFF DEVELOPED EVALUATION GUIDE. THE LICENSEES EXPRESSED CONCERNS ABOUT THE LEVEL OF DETAIL CONTAINED IN THE GUIDE, PARTICULARLY THAT RELATED TO PRA AND COMMERCIAL GRADE ITEM DEDICATION. THE LICENSEES CONTENT THAT EXISTING INDUSTRY GUIDANCE (PSA APPLICATION GUIDE AND EPRI-5652) ARE SUFFICIENT FOR THOSE TOPICS. THE STAFF RECEIVED WRITTEN COMMENTS FROM NEI ON THE EVALUATION GUIDE BY LETTER DATED MAY 24, 1996. THE NEI LETTER QUESTIONS THE NEED FOR ADDITIONAL REGULATORY GUIDANCE FOR THE GRADED QA APPLICATION. NEI CONTENTS THAT EXISTING INDUSTRY GUIDANCE IS SUFFICIENT.

SOUTH TEXAS SUBMITTED THEIR QA PROGRAM REVISION FOR THEIR GRADED QA EFFORT ON MARCH 28, 1996. THE CHANGE WAS REVIEWED BY THE STAFF (HQMB, SPSB, RES, RIV, AND NRC

CONTRACTORS). STAFF COMMENTS WERE PROVIDED TO STP DURING A MEETING ON JUNE 19 AND VIA LETTER DATED AUGUST 16, 1996. STAFF IS AWAITING SUBMITTAL OF A REVISED QA PROGRAM. ALSO, NEI SUBMITTED 96-02, "GUIDELINE FOR IMPLEMENTING A GRADED APPROACH TO QUALITY" DATED MARCH 21, 1996. THE STAFF HAS PERFORMED A CURSORY REVIEW OF THE DOCUMENT AND CONCLUDED THAT IT DOES NOT REFLECT THE PROGRESS AND LEVEL OF DETAIL THAT HAS BEEN ACHIEVED THROUGH THE VOLUNTEER PLANT EFFORT. THE STAFF INFORMED NEI BY LETTER DATED MAY 2, 1996, THAT THE GUIDE IS NOT ADEQUATE (AS A STAND ALONE DOCUMENT) TO IMPLEMENT GRADED QA BUT THAT IT WILL BE CONSIDERED AS THE STAFF DEVELOPS THE GRADED QA REGULATORY GUIDE AND STANDARD REVIEW PLAN. NEI SUBMITTED AN UPDATED VERSION OF 96-02 ON JULY 16 WHICH IS UNDER STAFF REVIEW. THE STAFF MET WITH GRAND GULF PERSONNEL ON AUGUST 27 TO DISCUSS QUESTIONS PERTAINING TO THE GRAND GULF SAFETY SIGNIFICANCE DETERMINATION PROCESS.

**SEE NRR DIRECTOR'S MONTHLY REPORT FOR STATUS.

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: RGA 007.1.2D

TITLE: PRA IMPLEMENTATION PLAN - GRADED QA

STATUS

AFFECTED DOCUMENTS

REGULATORY GUIDE 1.160
NUMARC 93-01

PROBLEM/RESOLUTION

DEPENDENCE ON VOLUNTEER PLANT PROGRAM IMPLEMENTATIONS IN ORDER TO GAIN LESSONS LEARNED MAY DELAY SCHEDULES IF THESE UTILITIES REVISE THEIR PLANS FOR IMPLEMENTING GRADED QA PROGRAMS. OTHER UTILITIES MAY PROCEED WITH GRADED QA BEFORE GUIDANCE IS ISSUED, AND THIS COULD DIVERT STAFF RESOURCES FROM THIS ACTION PLAN EFFORT. THE IMPOSITION OF COMMISSION LEVEL APPROVAL OF QA PROGRAM CHANGES THAT RELY ON RISK INFORMED DECISIONMAKING INVOLVING POLICY ISSUES COULD JEOPARDIZE THE PROJECTED GRADED QA MILESTONE SCHEDULES.

MILESTONES

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
ISSUED SECY 95-059	03/95	--	03/95
BEGIN INTERACTIONS WITH VOLUNTEER LICENSEES (PALO VERDE, GRAND GULF, SOUTH TEXAS)	05/95	--	05/95
REVISION 3 OF DRAFT EVALUATION GUIDE FOR VOLUNTEER PLANTS ISSUED FOR STAFF COMMENT	07/95	--	07/95
REVISION 4 OF DRAFT EVALUATION GUIDE FOR VOLUNTEER PLANTS ISSUED FOR STEERING GROUP REVIEW	10/95	--	10/95
ISSUE LTR TO 3 VOLUNTEER PLANTS OUTLINING PRO GRAM OBJECTIVES & REVIEW EXPECTATIONS. DIS- TRIBUTE STAFF EVALUATION GUIDE TO LICENSEES.	01/96	--	01/96
EVALUATION GUIDE ISSUED FOR USE BY STAFF IN EVALUATING VOLUNTEER PLANTS	01/96	--	01/96

AS OF FY97 QUARTER 1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: RGA 007.1.2D

TITLE: PRA IMPLEMENTATION PLAN - GRADED QA

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
ACRS BRIEFING: EXPERT PANEL AND DETERMINIS- TIC CONSIDERATIONS	02/96	--	02/96
ACRS BRIEFING: GRADED QA	04/96	--	04/96
MEETING HELD WITH VOLUNTEER PLANTS TO RECEIVE FEEDBACK ON STAFF EVALUATION GUIDE ON 04/11/96.	04/96	--	04/96
INDUSTRY COMMENTS ON STAFF EVALUATION GUIDE PROVIDED	05/96	--	05/96
DRAFT SRP AND RG FOR COGNIZANT OFFICE REVIEW AND COMMENT	07/96	10/96	--
DRAFT SRP AND RG FOR INTEROFFICE REVIEW AND CONCURRENCE	09/96	10/96	--
DRAFT SRP AND RG FOR ACRS/CRGR REVIEW	10/96	10/96	--
DRAFT SRP AND RG FOR PUBLIC COMMENT	12/96	12/96	--
DRAFT SRP AND RG PUBLIC COMMENT PERIOD ENDS	03/97	03/97	--
COMPLETE STAFF INTERACTIONS WITH VOLUNTEER PLANTS	06/97	05/97	--
ISSUE LESSONS LEARNED NUREG REPORT REGARDING GRADED QA PROGRAMS AT VOLUNTEER PLANTS	02/97	09/97	--
FINAL DRAFT SRP AND RG FOR ACRS/CRGR REVIEW	09/97	09/97	--
ISSUE STAFF INSPECTION GUIDANCE (REACTIVE IP)	05/97	12/97	--
FINAL DRAFT SRP AND RG FOR INTEROFFICE CONCURRENCE	12/97	12/97	--
PUBLISH FINAL SRP AND RG	12/97	12/97	--

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 87

ISSUE NUMBER: RGA 007.1.2D

TITLE: PRA IMPLEMENTATION PLAN - GRADED QA

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
CONDUCT NRC STAFF TRAINING	05/97	01/98	--
PUBLIC WORKSHOPS ON GRADED QA	02/97	02/98	--
ISSUE SECY UPDATE (CLOSEOUT OF ACTION PLAN)	12/97	04/98	--

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