

ENCLOSURE

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM
FOURTH QUARTER FY-91 UPDATE

OFFICE OF NUCLEAR REGULATORY RESEARCH
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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

DESCRIPTION

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. For safety-related issues, this generally occurs when the resolution has been incorporated into one or more of the following documents:

- (a) Commission Policy Statement/Orders
- (b) NRC Regulations
- (c) Standard Review Plan (SRP)
- (d) Regulatory Guide
- (e) Generic Letter

GIMCS is part of an integrated system of reports and procedures that is designed to manage generic safety issue through the stages of prioritization and resolution (development of new criteria, review and approval, public comments, and incorporation into the SRP, as appropriate). NUREG-0933 provides an evaluation for a recommended priority listing based on the potential safety significance and cost of implementation for each issue. The procedure and criteria for adding new generic issues to the system are outlined in RES Office Letter No. 1. (Prior to the NRC reorganization of April 12, 1987, NRR Office Letter No. 40 was used for identifying new issues.) Guidance for resolving issues is provided in RES Office Letter No. 3.

GIMCS provides the proposed schedules for managing and controlling the resolution of the issues on the prioritized listing. These include: (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 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

ANPRM	-	Advance Notice of Proposed Rulemaking
BNL	-	Brookhaven National Laboratory
BTP	-	Branch Technical Position
DTR	-	Draft Technical Resolution
EPRI	-	Electric Power Research Institute
FIN	-	Financial Identification Number
FRN	-	Federal Register Notice
FTR	-	Final Technical Resolution
GL	-	Generic Letter
GSI	-	Generic Safety Issue
H	-	HIGH-priority GSI
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
PNL	-	Pacific Northwest Laboratories
PRA	-	Probabilistic Risk Assessment
RAI	-	Request for Additional Information
RG	-	Regulatory Guide
RI	-	Regulatory Impact
S	-	Subsumed in Another Issue (No.)
SOW	-	Statement of Work
SRP	-	Standard Review Plan
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

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/Div/Br - 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 should be 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 issued)
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 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-91 (4TH 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	26*	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			
	GIs Start +	New Issues -	GIs Resolved =	End
USI	12	0	1	11
HIGH	57	(16)*	3	38
MEDIUM	19	7	2	24
NR	19	(3)*	3	13
TOTAL:	107	(12)*	9	86

ISSUE TYPE	FY-87				
	GIs Start +	New Issues -	GIs Resolved =	GIs Integrated =	End
USI	11	0	2	0	9
HIGH	38	4	3	7	32
MEDIUM	24	1	4	5	16
NR	15	0	1	1	11
TOTAL:	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-91 (4TH QUARTER)

FY-88						FY-89					
ISSUE TYPE	GIs Start	+ New Issues	- GIs Resolved	- GIs Integrated	= End	ISSUE TYPE	GIs Start	+ New Issues	- GIs Resolved	- GIs Integrated	= End
USI	9	0	5	0	4	USI	4	0	4	0	0
HIGH	32	1	6	3	24	HIGH	24	1	9	0	16
MEDIUM	16	2	2	3	13	MEDIUM	13	1	3	1	10
NR	11	1	3	0	9	NR	9	0	2	0	7
TOTAL:	68	4	16	6	50	TOTAL:	50	2	18	1	33

FY-90						FY-91					
ISSUE TYPE	GIs Start	+ New Issues	- GIs Resolved	- GIs Integrated	= End	ISSUE TYPE	GIs Start	+ New Issues	- GIs Resolved	- GIs Integrated	= End
HIGH	16	0	2	1	14	HIGH	14	2	2	0	14
MEDIUM	10	1	2	0	9	MEDIUM	9	3	1	0	11
NR	7	0	3	0	4	NR	4	1	1	0	4
TOTAL:	33	1	7	0	27	TOTAL:	27	6	4	0	29

Table IA

SUMMARY OF GENERIC SAFETY ISSUES SCHEDULED FOR RESOLUTION,
ISSUES RESOLVED, AND ISSUES INTEGRATED

Cumulative Totals
FY-83 Through FY-91 (4TH Quarter)

ISSUE TYPE	GIs Start	+ New Issues	= Sub-Total	- GIs Resolved	- GIs Integrated ^a	= Remainder
USI	16	0	16	16	0	0
HIGH	24	32*	56	32	10	14
MEDIUM	31	16	47	27	9	11
NR	20	18*	38	33	1	4
TOTAL:	91	66	157	100	20	29

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

^a 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
AND SCHEDULED FOR RESOLUTION
(Through 4TH Quarter FY-91)

ISSUE PRIORITY	RESOLVED									
	FY-83	FY-84	FY-85	FY-86	FY-87	FY-88	FY-89	FY-90	FY-91	TOTAL
USI	2	2	0	1	2	5	4	0	0	16
HIGH	0	1	6	3	3	6	9	2	2	32
MEDIUM	0	3	10	2	4	2	3	2	1	27
NR	4	9	7	3	1	3	2	3	1	33
Total:	6	15	23	9	10	16	18	7	4	108

ISSUE PRIORITY	SCHEDULED FOR RESOLUTION					Total
	FY-92	FY-93	FY-94	FY-95	TBD	
USI	0	0	0	0	0	0
HIGH	8	3	2	0	1	14
MEDIUM	2	3	1	1	4	11
NR	3	0	0	0	1	4
Total:	13	6	3	1	6	29

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-07 - 3	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)

Issue Number	Title	Priority	Resolution Product	Date Approved for Resolution	Date Resolved
FY-84 (Cont'd)					
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
6-10	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 (LFMS)	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'd)</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 (a) Hydrogen Rule (b) Severe Accidents	High	- Rule/ Policy Statement	- NRR-OP FY83 NRR-OP FY83	- 07/19/85 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	08/26/85
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

Issue Number	Title	Priority	Resolution Product	Date Approved for Resolution	Date Resolved
<u>FY-85 (Cont'd)</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	US1	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
		13-5		As of 4th Quarter FY-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-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-CP 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'd)</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-1053 (No Req.)	12/07/83	4/89
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'd)</u>					
115	Enhancement of the Reliability of Westinghouse Solid State Protection System	High	NUREG-1341 (No Req.)	07/07/86	04/89
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
125.1.3	SPDS 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	SLR 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'd)</u>					
Hf4.1	Inspection Procedure for Upgraded Emergency Operating Procedures	High	IM 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.5.1	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 90-05 (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'd)</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
11.J.4.1	Revise Deficiency Report Requirements	NR	Rule (Req.)	NRR-OP FY83	07/91

TABLE 4

29 GSIs SCHEDULED FOR RESOLUTION (BY FISCAL YEAR)

PRIORITY	FY-92	FY-93	FY-94	FY-95	FY-96	FY-97	180	TOTAL
HIGH	23 29 87 105 113 121 B-56 HF5.2	II.H.2 HF4.4 HF5.1	15 143	-	-	-	153	14
MEDIUM	79 106	57 120 B-17	142	B-55	-	-	24 B-61 I.D.3 151	11
NR	83 B-64 I.D.5(3)	-	-	-	-	-	73	4
TOTAL:	13	6	3	1	0	0	6	29

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-90	Current Resolution Date
15	Radiation Effects on Reactor Vessel Supports	RES/DSIR/EIB	H	02/89	03/94	03/94
23	Reactor Coolant Pump Seal Failures	RES/DSIR/EIB	H	NRR-OP FY83	12/91	06/92
29	Bolting Degradation or Failures in Nuclear Power Plants	RES/DSIR/EIB	H	NRR-OP FY83	02/91	10/91
87	Failure of HPCI Steam Line Without Isolation	RES/DSIR/RPSI	H	09/26/85	03/92	03/92
105	Interfacing Systems LOCA at LWRs	RES/DSIR/EIB	H	06/11/85	10/91	04/92
113	Dynamic Qualification Testing of Large Bore Hydraulic Snubbers	RES/DSIR/EIB	H	07/32/87	09/92	09/92
121	Hydrogen Control for Large, Dry PWR Containments	RES/DSIR/SAIB	H	09/26/85	02/91	11/91
143	Availability of Chilled Water Systems and Room Cooling	RES/DSIR/RPSI	H	03/29/91	N/A	01/94
153	Loss of Essential Service Water in LWRs	RES/DSIR/RPSI	H	03/29/91	N/A	TBD
B-56	Diesel Reliability	RES/DSIR/RPSI	H	NRR-OP FY83	12/90	09/92

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-90	Current Resolution Date
II.H.2	Obtain Technical Data on the Conditions Inside the TMI-2 Containment Structure	RES/DSR/AEB	H	NRR-OP FY83	12/91	06/93
HF4.4	Guidelines For Upgrading Other Procedures	RES/DSR/HFB	H	10/01/84	10/90	10/92
HF5.1	Local Control Stations	RES/DSR/HFB	H	10/01/84	05/92	11/92
HF5.2	Review Criteria for Human Factors Aspects of Advanced Controls and Instrumentation	RES/DSR/HFB	H	10/01/84	05/92	06/92
24	Automatic Emergency Core Cooling System Switch to Recirculation	RES/DSIR/RPSIB	M	07/23/91	N/A	TDB
57	Effects of Fire Protection System Actuation on Safety-Related Equipment	RES/DSIR/RPSI	M	06/03/88	07/92	12/92
79	Unanalyzed Reactor Vessel Thermal Stress During Natural Convection Cooldown	RES/DSIR/EIB	M	07/25/83	01/91	10/91
106	Piping and Use of Highly Combustible Gases in Vital Areas	RES/DSIR/RPSI	M	11/03/87	05/91	03/92
120	On-Line Testability of Protection Systems	RES/DSIR/RPSI	M	11/23/90	N/A	12/92
142	Leakage Through Electrical Isolators	RES/DSIR/EIB	M	06/20/90	TBD	06/94

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-90	Current Resolution Date
151	Reliability of Anticipated Transient Without Scram Recirculation Pump Trip in BWRs	RES/DSIR/RPSIB	M	08/27/91	N/A	TBD
B-17	Criteria for Safety-Related Operator Actions	RES/DSR/HFB	M	03/22/82	01/92	01/92
B-55	Improve Reliability of Target Rock Safety Relief Valves	RES/DSIR/EIB	M	NRR-OP	02/95	02/95
B-61	Allowable ECCS Equipment Outage Periods	RES/DSR/PRAB	M	NRR-GP	TBD	TBD
I.D.3	Safety System Status Monit	RES/DE/EMEB	M	NRR-OP FY83	TBD	TBD
73	Detached Thermal Sleeves	RES/DSIR/EIB	NR	08/20/91	N/A	TBD
83	Control Room Habitability	RES/DSIR/SAIB	NR	08/83	02/91	12/91
B-64	Decommissioning of Nuclear Reactors	NMSS/LLWM/LLRB	NR	NRR-OP FY84	01/91	10/91
I.D.5(3)	On-Line Reactor Surveillance Systems	RES/DE/EMEB	NR	NRR-OP FY83	10/90	10/91

Total: 29

TABLE 5

NUMBER OF GENERIC ISSUES PRIORITIZED FROM FY-83 THROUGH THE FOURTH QUARTER OF FY-91

Issue Type	FY-83	FY-84	FY-85	FY-86	FY-87	FY-88	FY-89	FY-90	FY-91	Total
Issues Identified To Be Prioritized	56	19	54	45*	6	3	38	3	29	253
Issues Identified To Be Reprioritized	19	2	0	1	1	2	0	0	-1	24
Total:	75	21	54	45	7	5	38	3	28	277
<u>New Issues (Entered into GIMCS)</u>										
High	2	1	41	6	4	1	1	0	2	58
Medium	2	4	1	1	1	2	0	1	3	15
Nearly-Resolved	3	5	6	1	0	1	0	0	1	17
Subtotal:	7	10	48	8	5	4	1	1	6	90
Resolved	4	0	1	0	0	1	1	1	0	8
Low	1	4	0	2	1	0	0	2	0	10
Drop	1	4	4	6	13	9	2	8	5	52
RI/LI	0	0	4	6	0	2	33	1	1	47
Integrated	8	2	3	6	0	1	1	3	0	24
Total Issues Prioritized	21	20	60	28	19	17	38	16	12	231
Remaining Issues To Be Prioritized or Reprioritized	+54	+1	-6	+18	-12	-12	0	-13	+16	46

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

TABLE 6

GENERIC ISSUES PRIORITIZED AS OF FOURTH QUARTER FY-91

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	03/82	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.C.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
0-1	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 FOURTH QUARTER FY-91

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	LOO for Class IE Vital Instrument Buses in Operating Reactors	09/82	10/83	NR
49	Interlocks and LOOs 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 FOURTH QUARTER FY-91

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	06/84	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 FOURTH QUARTER FY-91

Action Item/ Issue No.	Title	Identification Date	Date Prioritized	Current Priority
<u>FY-85 (Cont'd)</u>				
B-19	Thermal-Hydraulic Stability	02/83	01/85	NR
B-50	Post Operating Basis Earthquake Inspection	02/C3	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	06/85	01/86	LOW
124	Auxiliary Feedwater System Reliability	12/85	02/86	NR

TABLE 6 (Continued)

GENERIC ISSUES PRIORITIZED AS OF FOURTH QUARTER FY-91

Action Item/ Issue No.	Title	Identification Date	Date Prioritized	Current Priority
<u>FY-86 (Cont'd)</u>				
125.I.2.a	PORV Reliability - Test Program	11/85	06/86	S(75)
125.I.2.b	PORV Reliability - Surveillance	11/85	06/86	S(74)
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	DTSG 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 SIA	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 FOURTH QUARTER FY-91

Action Item/ Issue No.	Title	Identification Date	Date Prioritized	Current Priority
<u>FY-87 (Cont'd)</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 Systems/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 ⁵	MEDIUM

* Previous priority evaluation published in NUREG-0933.

TABLE 6 (Continued)

GENERIC ISSUES PRIORITIZED AS OF FOURTH QUARTER FY-91

Action Item/ Issue No.	Title	Identification Date	Date Prioritized	Current Priority
<u>FY-88 (Cont'd)</u>				
62	Reactor Systems Bolting Applications	10/82	08/88	S(2y)
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 FWR 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 FOURTH QUARTER FY-91

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	02/90	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 FOURTH QUARTER FY-91

Action Item/ Issue No.	Title	Identification Date	Date Prioritized	Current Priority
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

TABLE 7

GENERIC ISSUES TO BE PRIORITIZED AS OF THIRD QUARTER FY-91

Action Item/ Issue No.	Title	Identification Date	Current Schedule
75	Instrumentation and Control Power Interactions	06/83	01/92
78	Monitoring of Fatigue Transient Limits for Reactor Coolant System	06/83	11/92
89	Stiff Pipe Clamps	02/84	06/92
110	Equipment Protection Devices on Engineered Safety Features	12/84	10/91
118	Tendon Anchorage Failure	07/85	05/92
123	Deficiencies in the Regulations Governing DBA and Single Failure Criterion Suggested by the Davis-Besse Incident of June 9, 1985	11/85	10/91
132	RHR Pumps Inside Containment	07/86	10/91
138	Deinerting Upon Discovery of RCS Leakage	10/86	10/91
144	Scram Without a Turbine/Generator Trip	03/88	03/92
145	Improve Surveillance and Startup Testing Programs	09/88	12/91
146	Support Flexibility of Equipment and Components	01/89	11/91
147	Fire-Induced Alternate Shutdown/Control Room Panel Interactions	04/89	12/91
148	Smoke Control and Manual Fire-Fighting Effectiveness	04/89	11/92
149	Adequacy of Fire Barriers	04/89	12/91
152	Design Basis for Valves That Might Be Subjected to Significant Blowdown Loads	03/90	12/91
154	Adequacy of Emergency and Essential Lighting	09/90	12/91
155	Generic Concerns Arising from TMI-2 Cleanup	12/91	TBD
155.1	More Realistic Source Term Assumptions	02/91	TBD
155.2	Establish Licensing Requirements for Non-Operating Facilities	02/91	TBD
155.3	Improve Design Requirements for Nuclear Facilities	02/91	TBD
155.4	Improve Criticality Calculations	02/91	TBD
155.5	More Realistic Severe Reactor Accident Scenario	02/91	TBD
155.6	Improve Decontamination Regulations	02/91	TBD
155.7	Improve Decommissioning Regulations	02/91	TBD
156	SEF Issues	-	-
156.1.1	Settlement of Foundations and Buried Equipment	02/91	12/92
156.1.2	Dam Integrity and Site Flooding	02/91	02/92
156.1.3	Site Hydrology and Ability to Withstand Floods	02/91	02/92
156.1.4	Industrial Hazards	02/91	02/92
156.1.5	Tornado Missile	02/91	02/92
156.1.6	Turbine Missiles	02/91	10/91
156.2.1	Severe Weather Effects on Structures	02/91	02/92

TABLE 7 (Continued)

GENERIC ISSUES TO BE PRIORITIZED AS OF THIRD QUARTER FY-91

Action Item/ Issue No.	Title	Identification Date	Current Schedule
156.2.2	Design Codes, Criteria, and Load Combinations	02/91	06/92
156.2.3	Containment Design and Inspection	02/91	05/92
156.2.4	Seismic Design of Structures, Systems, and Components	02/91	03/92
156.3.1.1	Shutdown Systems	02/91	04/92
156.3.1.2	Electrical Instrumentation and Control	02/91	04/92
156.3.2	Service and Cooling Water Systems	02/91	04/92
156.3.3	Ventilation Systems	02/91	04/92
156.3.4	Isolation of High and Low Pressure Systems	02/91	02/92
156.3.5	Automatic ECCS Switchover	02/91	12/91
156.3.6.1	Emergency AC Power	02/91	02/92
156.3.6.2	Emergency DC Power	02/91	12/92
156.3.8	Shared Systems	02/91	04/92
156.4.1	RPS and ESFS Isolation	02/91	12/91
156.4.2	Testing of the RPS and ESFS	02/91	01/92
156.6.1	Pipe Break Effects on Systems and Components	02/91	12/92

TOTAL: 45

TABLE B

GENERIC ISSUES TO BE REPRIORITIZED AS OF FOURTH QUARTER FY-91

<u>Action Item/ Issue No.</u>	<u>Title</u>	<u>Previous Priority</u>	<u>Identification Date</u>	<u>Current Schedule</u>
2	Failure of Protective Devices on Essential Equipment	MEDIUM	05/83	05/92

TOTAL: 1

TABLE 9

REGULATORY IMPACT ISSUES SCHEDULED FOR RESOLUTION

Issue Number	Title	Lead Office/ Division/Branch	Priority	Date Approved for Resolution	Resolution Date at end of FY-90	Current Resolution Date
119.1	Piping Rupture Requirements and Decoupling of Seismic and LOCA Loads	NRR/DET/EMTB	RI	09/10/85	TBD	TBD
119.3	Decoupling OBE from SSE	RES/DE/SSEB	RI	09/10/85	TBD	TBD
119.4	BWR Piping Materials	RES/DE/MEB	RI	09/10/85	06/90	02/92
119.5	Leak Detection Requirements	RES/DE/MEB	RI	09/10/85	03/90	12/91

TOTAL: 4

TABLE 10

LICENSING ISSUES SCHEDULED FOR RESOLUTION

<u>Issue Number</u>	<u>Title</u>	<u>Lead Office/ Division/ Branch</u>	<u>Current Resolution Date</u>
67.5.1	Reassessment of Radiological Consequences	RES/DSIR/RPSI	11/92
I.D.5(5)	Disturbance Analysis Systems	RES/DSR/HFB	08/91
<u>TOTAL: 2</u>			

INDEX OF ISSUES
 GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER	T I T L E	PAGE
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23	REACTOR COOLANT PUMP SEAL FAILURES	4
29	BOLTING DEGRADATION OR FAILURE IN NUCLEAR POWER PLANTS	7
57	EFFECTS OF FIRE PROT. SYS. ACTUATION ON SAFETY-RELATED EQUIP.	9
67.5.1	REASSESSMENT OF SGTR DESIGN BASIS	17
73	DETACHED THERMAL SLEEVE	15
78	UNANALYZED RX VESSEL THERMAL STRESS DURING NATURAL CONVECTION COOLING	16
83	CONTROL ROOM HABITABILITY	19
87	FAILURE OF HPCI STEAM LINE WITHOUT ISOLATION	22
105	INTERFACING SYSTEMS LOCA AT LWRs	25
109	PIPING AND USE OF HIGHLY COMBUSTIBLE GASES IN VITAL AREAS	29
113	DYNAMIC QUALIF. TESTING OF LARGE BORE HYDRAULIC SNUBBERS	33
117.1	PIPE RUPTURE REQUIREMENTS	37
119.3	DECOUPLING OBE FROM SSE	41
116.4	BWP PIPING MATERIALS	42
113.9	LEAK DETECTION REQUIREMENTS	44
121	ON-LINE TESTABILITY OF PROTECTION SYSTEMS	47
137	HYDROGEN CONTR. FOR LARGE DRY PWR CONTAINMENTS	49
142	ELECTRICAL POWER RELIABILITY	51
142	ESSENTIAL SERVICE WATER SYSTEM FAILURES AT MULTI-UNIT SITES	54
142	LEAKAGE THROUGH ELECTRICAL ISOLATORS	57
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INDEX OF ISSUES
 GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER	T I T L E	PAGE
150	LOSS OF ESSENTIAL SERVICE WATER SYSTEM IN LWRs	62
2	CRITERIA FOR SAFETY-RELATED OPERATOR ACTIONS	64
3-23	IMPROVE RELIABILITY OF TARGET ROCK SAFETY-RELIEF VALVES	66
B-56	DIESEL GENERATOR RELIABILITY	70
9-61	ALLOWABLE ECCS EQUIPMENT OUTAGE PERIODS	74
9-64	DECOMMISSIONING OF REACTORS	77
HF 4 4	GUIDELINES FOR UPGRADING OTHER PROCEDURES	79
HF 5 1	LOCAL CONTROL STATIONS	81
HF 5 2	REV. CRIT FOR HUMAN FACTORS ASPECTS OF ADV CONTROLS AND INSTRUMENT	83
I D 3	SAFETY SYSTEM STATUS MONITORING	85
I D 5(3)	ON-LINE REACTOR SURVEILLANCE SYSTEMS	88
I D 5(5)	DISTURBANCE ANALYSIS SYSTEMS	90
II B 5(1)	BEHAVIOR OF SEVERELY DAMAGED FUEL	92
II B 5(2)	BEHAVIOR OF CORE-MELT	95
II B 5(3)	EFFECT OF HYDROGEN COMBUSTION ON CONTAINMENT STRUCTURES	96
II H 2	OBTAIN DATA ON CONDITIONS INSIDE TMI-2 CONTAINMENT	99
II J 4 1	REVISE DEFICIENCY REPORTING REQUIREMENTS	101

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 15
 IDENTIFICATION DATE 06/80
 TASK MANAGER R JOHNSON
 TAC NUMBERS

TITLE RADIATION EFFECTS ON REACTOR VESSEL SUPPORTS
 PRIORITIZATION DATE 02/89
 OFFICE/DIVISION/BRANCH RES /DSIR/EIB
 ACTION LEVEL ACTIVE
 STATUS
 RESOLUTION DATE 03/94

WORK AUTHORIZATION FEB 3 1989 MEMO FROM E BECKJORD TO R W HOUSTON

CONTRACTOR

- ANL
- BNL
- ORNL
- MEG
- LLNL
- MIST
- MPD NETWORK
- ORNL ASSOCI
- PAL ASSOCI
- JNEL
- BNL

CONTRACT TITLE

- SHIPPINGPORT SHIELD TANK TESTING (MEB)
- TROJAN SUPPORT STABILITY ANALYSIS (ESGB)
- TROJAN SHIELD FLUX ATTENUATION (MEB)
- MTR IRRADIATION OF STRUCTURAL STEELS (MEB)
- SEQUENCE EVALUATION OF EMBRITTLED RPV SUPPORTS (SSEB)
- TROJAN CAVITY DOSIMETRY MEASUREMENT (MEB)
- NUCLEAR MATERIALS DATA RETRIEVAL FROM THE MPD NETWORK (EIB)
- HEAVY-SECTION STEEL IRRADIATION PROGRAM
- RPV SUPPORTS TECHNICAL ASSISTANCE (EMTB)
- RADIATION EFFECTS ON REACTOR VESSEL SUPPORTS (EIB)
- IRRADIATION ANALYSES (EIB)

W O R K S C O P E

EVALUATE THE FRACTURE TOUGHNESS OF REACTOR VESSEL SUPPORTS
 AT DEVELOP CRITERIA BY WHICH LICENSEES CAN SCREEN RPV
 SUPPORTS AND EVALUATE THE INTEGRITY OF THOSE WHICH FAIL
 THE SCREENING PREPARE A RESOLUTION PACKAGE (INCLUDING
 GL) REQUESTING LICENSEES TO PERFORM THE EVALUATION.
 (FIN L1296, G3169)

B) PROVIDE RADIATION PARAMETERS USEFUL FOR ESTIMATING THE
 CHANGES IN RELEVANT MECHANICAL PROPERTIES INDUCED BY
 NEUTRON IRRADIATION (FINS L1286 AND L1098)
 C) COMPLETE SEVERAL PROGRAMS RELATED TO THE GSI-15 SAFETY
 ISSUE BUT CONDUCTED INDEPENDENTLY BY DE/RES (FINS A3841,
 B6021, B6274, B0415, A2256, B5848, AND UNDESIGNATED ONES)

S T A T U S

AT THE GSI-15 TAP REV 1 WAS APPROVED AND ISSUED AS OF
 AUGUST 13, 1991 THE CONTRACTOR HAS MODIFIED HIS TASKS TO
 BE IN TOTAL AGREEMENT WITH THE TAP. REV 1 DRAFT DOCUMENTS
 RELEVANT TO THE PREPARATION OF THE PLANNED GL PACKAGE HAVE
 BEEN WRITTEN AND ARE UNDER REVIEW BY THE T/M AT THE
 REQUEST OF THE RES DIRECTOR THE TAP WILL BE FURTHER
 REVISED TO ONLY CONTAIN A LISTING OF THAT PORTION OF THE
 TOTAL EXPENDITURES ON THE "RELATED WORK" FINS THAT DIRECTLY
 RELATE TO THE GSI 15 RESOLUTION. INPUT FOR THESE REVISIONS
 HAS BEEN REQUESTED BY MEMORANDUM FROM BAER TO SERPAN 9/17/91
 BECAUSE MEB/DE/RES HAS THE OVERALL RESPONSIBILITY FOR THE
 FINS
 B) PLANS FOR IRRADIATION EXPERIMENTS BY DE INCLUDE (1)
 COMPLETE MECHANICAL PROPERTY TESTING OF SPECIMENS IRRADIATED
 IN THE CHALK RIVER REACTOR LATE IN 1991 (2) IRRADIATE
 SPECIMENS OF SEVERAL STRUCTURAL STEELS IN THE MICHIGAN
 UNIVERSITY REACTOR BEFORE THE END OF 1991 THESE RESULTS
 MAY BE USED IN THE MODIFIED DPA

ISSUE NUMBER 15

TITLE: RADIATION EFFECTS ON REACTOR VESSEL SUPPORTS

AFFECTED DOCUMENTS

10 CFR 50
 STANDARD REVIEW PLAN SECTIONS 3.9 AND 5.4
 ASME SECTION III
 ASME SECTION XI
 ASTM STANDARD E1035

PROBLEM/RESOLUTION

THE CALCULATIONS NEEDED FOR DETERMINATION OF THE NEUTRON SPECTRA AT ADDITIONAL HFIR SURVEILLANCE LOCATIONS WERE FOUND TO BE MORE COMPLICATED THAN ORIGINALLY ESTIMATED AND THE WORK WILL RESULT IN SOME MILESTONE SLIPPAGE. HOWEVER, NO OVERALL DELAY IN THE RESOLUTION SCHEDULE IS EXPECTED

MILESTONES

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
GSI 15 ASSIGNED TO RES/DSIR/EIB	--	--	02/89
DRAFT TAP TO DSIR DEPUTY DIRECTOR	05/89	--	05/89
DRAFT TAP APPROVED BY DSIR DIRECTOR AND FORWARDED TO OTHER REG DIVISION DIRECTORS AND NRR FOR COMMENT	06/89	--	07/89
INCORPORATE COMMENTS IN TAP	07/89	--	09/89
FINAL TAP APPROVED BY DSIR DIRECTOR	08/89	--	01/90
COMPLETE IRRADIATION DAMAGE CALC	07/90	--	07/90
COMPLETE SUBTASK 3.1	09/90	--	09/90
COMPLETE SHIPPINGPORT NST REVIEW	09/90	--	10/90
TAP REV 1 TO DSIR DEPUTY DIRECTOR	03/91	--	02/91
COMPLETE COST/BENEFIT ANAL. (INEL)	06/91	--	06/91
PROVIDE DRAFT SCREEN /EVAL. ANAL. (INEL)	06/91	--	05/91
PROVIDE HFIR FLUX CALCULATIONS (ORNL)	07/91	10/91	--
CALC. MOD-DPA FOR HFIR DATA (EIB)	08/91	10/91	--
DRAFT IRRADIATION CORRELATION (EIB)	09/91	10/91	--

RUN DATE: 10/03/91

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PGF 3

ISSUE NUMBER 15

TITLE: RADIATION EFFECTS ON REACTOR VESSEL SUPPORTS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
DRAFT REG ANALYSIS (EIB)	09/91	10/91	--
DRAFT TECH FINDINGS NUREG (EIB)	10/91	10/91	--
PROPOSED RESOLUTION PACKAGE, DEPUTY DIRECTOR FOR REVIEW (EIB)	12/91	12/91	--
DRAFT PACKAGE TO DIRECTOR FOR REVIEW (DSIR)	01/92	01/92	--
PROPOSED RESOLUTION PACKAGE TO OTHER OFFICES FOR REVIEW (EIB)	02/92	02/92	--
PROPOSED RESOLUTION PACKAGE TO CRGR AND ACRS	05/92	05/92	--
PROPOSED RESOLUTION PACKAGE TO BE ISSUED FOR PUBLIC COMMENT	08/92	08/92	--
PUBLIC COMMENT PERIOD ENDS	11/92	11/92	--
FINAL RESOLUTION PACKAGE PREPARED BY EIB	02/93	02/93	--
FINAL RESOLUTION PACKAGE TO DSIR DEPUTY DIRECTOR	03/93	03/93	--
FINAL RESOLUTION PACKAGE TO OTHER OFFICES FOR REVIEW	05/93	07/93	--
FINAL RESOLUTION PACKAGE TO CRGR AND ACRS	07/93	07/93	--
FINAL RESOLUTION PACKAGE TO NRR FOR ISSUANCE	10/93	10/93	--
NRR ISSUE GL	02/94	02/94	--
ISSUE CLOSEOUT MEMO	03/94	03/94	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

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 /DSIR/EIB ACTION LEVEL: ACTIVE STATUS:
 TAC NUMBERS: RESOLUTION DATE: 06/92
 WORK AUTHORIZATION: NRR FY-84 OPERATING PLAN, (APPENDIX G)

FIM	CONTRACTOR	CONTRACT TITLE
A1751	BNL	REACTOR COOLANT PUMP (RCP) SEAL INTEGRITY
A0771	BNL	ASSESS EFFECT OF MECH. MAINT. RCP SEAL
A1206	BNL	EVAL. ADEQ. OF RCP SEAL INSTR. & RESP. TO RCP
A6720	INEL	RCP SHAFT SEAL BEHAVIOR DURING ST. BLACKOUT
B2943	BNL	REACTOR COOL. PUMP SEAL FAIL. VAL. IMP. ANALYSIS
B3049	TECO	LEAK RATE ANALYSIS OF WEST. WINGHOUSE RCP
D1760	SCIENTECH	REG. ANAL. FOR GI-23, RCP SEAL FAILURES

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. DUE TO REQUESTS FOR AN EXTENSION OF THE PUBLIC COMMENT PERIOD, A 61-DAY EXTENSION WAS GRANTED.

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 23

TITLE: REACTOR COOLANT PUMP SEAL FAILURES

AFFECTED DOCUMENTS	PROBLEM/RESOLUTION
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"	NONE

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
COMPLETE DOCUMENT OF BACKGROUND PAST SEAL FAILURES INCLUDING LER SEARCH REV OF INDUST EXP & REV OF BWR SCR (TASK1)	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

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

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
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
FRM OF ISSUANCE OF PROPOSED RESOLUTION FOR PUBLIC COMMENT	12/85	--	04/91
DRAFT PERFORMANCE	07/91	--	08/91
PUBLIC COMMENT PERIOD ENDS	09/91	--	09/91
COMPLETE REVIEW OF PUBLIC COMMENTS AND PREPARE FTR PACKAGE	04/86	01/92	--
DIVISION DIRECTOR REVIEW OF FTR COMPLETED	05/86	02/92	--
CONCURRENCE BY OTHER OFFICES	11/80	03/92	--
ACRS AND CRGR REVIEW OF FTR COMPLETED	06/88	04/92	--
FTR SENT TO EDO/COMMISSION	06/84	05/92	--
FRM OF ISSUANCE OF FTR	07/86	06/92	--

RUN DATE: 10/03/91

PAGE: 7

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 29
IDENTIFICATION DATE: 10/81C
TASK MANAGER: T. CHANG
TAC NUMBERS:
WORK AUTHORIZATION: NRR FY-84 OPERATING PLAN (APPENDIX G)

TITLE: BOLTING DEGRADATION OR FAILURE IN NUCLEAR POWER PLANTS
PRIORITIZATION DATE: 08/82C
OFFICE/DIVISION/BRANCH: RES /DSIR/EIB

TYPE: GSI
ACTION LEVEL: ACTIVE

PRIORITY: H
STATUS:
RESOLUTION DATE: 10/91

FIN	CONTRACTOR	CONTRACT TITLE
A3359	BNL	BOLTING APPLICATIONS REQUIREMENTS
A3782	BNL	BOLTING APPLICATIONS REQUIREMENTS
B2593	PNL	BOLTING DEGRADATION VALUE IMPACT ANALYSIS

WORK SCOPE

THIS ISSUE INCLUDES ALL SAFETY RELATED BOLTING, WITH THE EMPHASIS ON DEGRADATION OR FAILURE OF REACTOR COOLANT PRESSURE BOUNDARY BOLTING AND COMPONENT SUPPORT BOLTING. TASKS INCLUDE:

1. DEVELOPMENT OF THE TECHNICAL BASES FOR BOLTING APPLICATION REQUIREMENTS
2. REVIEW LICENSEE RESPONSES TO IEB 82-02, "DEGRADATION

3. OF THREADED FASTENERS IN THE REACTOR COOLANT PRESSURE BOUNDARY OF PWR PLANTS - DRAFT STAFF RECOMMENDATION FOR PROPOSED CRITERIA/GUIDELINES TO BE INCORPORATED INTO THE SRP
4. DEVELOP A PROPOSED IMPLEMENTATION PLAN FOR MANAGEMENT CONSIDERATION

STATUS

A GENERIC INFORMATION LETTER, TOGETHER WITH NUREG-1379 "RESOLUTION OF GENERIC SAFETY ISSUE 29: BOLTING DEGRADATION OR FAILURE IN NUCLEAR POWER PLANTS," WILL BE ISSUED TO PLANTS CURRENTLY HOLDING AN OL OR CP TO INFORM THEM OF THE TECHNICAL FINDINGS AND RESOLUTION OF GSI-29. THIS LETTER

IS FOR INFORMATION ONLY AND DOES NOT REQUIRE THAT THE LICENSEES TAKE ANY ACTIONS. THE GENERIC LETTER WAS FORWARDED TO NRR ON JUNE 13, 1991. NRR IS STILL WORKING ON ISSUING THE LETTER.

AFFECTED DOCUMENTS

SRP REVISION: (NRR)

PROBLEM/RESOLUTION

THE GENERIC LETTER HAS NOT YET BEEN ISSUED. SOME MINOR EDITING HAS BEEN DONE. IT APPEARS IT WILL BE ISSUED IN THE VERY NEAR FUTURE.

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 29

TITLE: BOLTING DEGRADATION OR FAILURE IN NUCLEAR POWER PLANTS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
ISSUE CONTRACT TO BNL	03/83	--	03/83
RECEIVE DRAFT NUREG/CR REPORT FROM CONTRACTOR	07/83	--	07/83
STAFF REVIEW OF DRAFT NUREG/CR REPORT	07/83	--	03/84
DRAFT STAFF POSITION (REVISED SRP SECTION)	07/84	--	08/84
PREPARE DRAFT VALUE/IMPACT STATEMENT	08/83	--	05/85
EVALUATE PROPOSED RESOLUTION OF USI A-45 AND LPRI/AIF SUMMARY PAPER	03/89	--	09/87
REVISE REGULATORY ANALYSIS	04/88	--	06/88
DRAFT CRGR PACKAGE	10/88	--	01/89
DIVISION DIRECTOR REVIEW COMPLETED	12/83	--	08/90
PACKAGE TO OFFICES FOR REVIEW	01/89	--	08/90
REVIEW PACKAGE TO ACRS	01/89	--	12/90
FINAL RESOLUTION TO ACRS	03/91	--	03/91
ACRS REVIEW COMPLETED	04/89	--	05/91
INFORM CRGR OF PROPOSED RESOLUTION	02/91	--	05/91
DRAFT GL TO NRR	05/91	--	08/91
NRR ISSUES GL	07/91	10/91	--
ISSUANCE OF CLOSEOUT MEMO	03/89	10/91	--

RUN DATE: 10/03/91

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 9

ISSUE NUMBER: 57

TITLE: EFFECTS OF FIRE PROT. SYS. ACTUATION ON SAFETY-RELATED EQUIP.

IDENTIFICATION DATE: 09/82C

PRIORITIZATION DATE: 06/88C

TYPE: GSI

PRIORITY: M

TASK MANAGER: D. BASDEKAS

OFFICE/DIVISION/BRANCH: RES /DSIR/RPSI

ACTION LEVEL: ACTIVE

STATUS:

TAC NUMBERS:

RESOLUTION DATE: 12/92

WORK AUTHORIZATION: MEMO TO B. SHERON FROM E. BECKJORD DATED 6/8/88.

FIN	CONTRACTOR	CONTRACT TITLE
B6601	SNL	INADVERTENT ACTUATION OF FIRE PROTECTION SYSTEMS (GI-57). PRELIMINARY/ SCOPING STUDY ONLY
L1220	INEL	GENERIC ISSUE 57, "EFFECTS OF FIRE PROTECTION SYSTEM ACTUATION ON SAFETY-RELATED EQUIPMENT"
L1354	SNL	GENERIC ISSUE 57, "EFFECTS OF FIRE PROTECTION SYSTEM ACTUATION ON SAFETY-RELATED EQUIPMENT"
L1592	NIST	GENERIC ISSUE 57, EFFECTS OF FIRE PROTECTION SYSTEM ACTUATION ON SAFETY RELATED EQUIPMENT.

WORK SCOPE

ACTUATIONS OF FIRE PROTECTION SYSTEMS (FPS'S) HAVE CAUSED DAMAGE TO PLANT EQUIPMENT WITH CONSIDERABLE FREQUENCY AND SAFETY IMPLICATIONS. A PROGRAM TO RESOLVE GI-57 WAS INITIATED IN FY 1989 INVOLVING THE EVALUATION OF FOUR PLANTS AND THE COLLECTION OF GENERIC PLANT DATA TO SUPPORT A

GENERIC EVALUATION OF THE SAFETY CONCERNS OF GI-57. THESE EVALUATIONS INVOLVE REVIEWS OF FPS DESIGNS AND LAYOUTS, PLANT WALKDOWNS, FIRE ZONE AND VITAL AREA ANALYSES, CUTSETS DEVELOPMENT, RISK ESTIMATES, AND VALUE-IMPACT ANALYSES OF POTENTIAL BACKFITS.

STATUS

A DRAFT CONTRACTOR'S REPORT FOR THE GE PLANT EVALUATION HAS BEEN RECEIVED ON JUNE 3, 1991, AND STAFF COMMENTS HAVE BEEN PROVIDED TO SNL WHICH ARE BEING RESOLVED. A B&W PLANT

EVALUATION HAD BEEN INITIATED AND SITE VISITS FOR THAT PLANT HAVE BEEN TENTATIVELY SET STARTING IN OCTOBER 1991.

AFFECTED DOCUMENTS

*** TO BE DETERMINED ***

PROBLEM/RESOLUTION

THE INEL DRAFT REPORT FOR ONE OF THE W PLANTS HAS BEEN REVISED, BUT IT WILL NEED ADDITIONAL WORK BEFORE PUBLICATION. IT WAS SENT FOR REVIEW BY THE LICENSEE FOR TECHNICAL ACCURACY OF PLANT DESIGN AND OPERATIONS' ASSUMPTIONS AS

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 57 TITLE: EFFECTS OF FIRE PROT. SYS. ACTUATION ON SAFETY-RELATED EQUIP.

AFFECTED DOCUMENTS

PROBLEM/RESOLUTION

AGREED AT THE INITIAL PLANT WALKDOWN, A MORE DETAILED ANALYSIS OF THE DOMINANT SEQUENCES HAS BEEN PERFORMED BY SNL INVOLVING SEISMIC INTERACTIONS OF THE FIRE PROTECTION SYSTEM IN THE DIESEL-GENERATOR ROOM. LICENSEE COMMENTS WILL BE REVIEWED AND, IF FEASIBLE TO RESOLVE, SNL WILL DO THE UPDATING. POSSIBLE UPGRADE FOR PUBLICATION WILL BE DECIDED LATER. NRR INFORMED US THAT THE WEEK OF NOV. 8, 1991 WILL BE ACCEPTABLE TO ANO-J FOR COMMENCING THE SNL SITE VISITS. POTENTIAL SCHEDULE IMPACTS WILL BE ASSESSED NEXT QUARTER.

M I L E S T O N E S

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
DEVELOP PRA SCOPE OF WORK	10/88	--	10/88
COMPLETE RISK ANALYSIS	02/89	--	04/89
DEVELOP TAP	02/89	--	06/89
PRELIMINARY DISCUSSION OF DRAFT STATEMENT OF WORK WITH CONTRACTOR(S)	06/89	--	05/89
DEVELOP SOW AND WORK AUTHORIZATION	07/89	--	07/89
ISSUE CONTRACTS	08/89	--	08/89
EPRI DRAFT REPORT ON EFFECTS OF FIRE SUPPRESSANTS	09/89	--	11/89
LOADING OF PRA MODEL DATA FOR IP-2 EVALUATION (W PLANT)	11/89	--	11/89
DRAFT REPORT ON IP-2 EVALUATION (INEL)	05/90	--	05/90
DRAFT REPORT SNL/INEL ON SURRY/IP-2 EVALUATIONS	07/90	--	05/90
EOE SUBCONTRACT REPORT TO SNL	08/90	--	10/90

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 57

TITLE: EFFECTS OF FIRE PROT. SYS. ACTUATION ON SAFETY-RELATED EQUIP.

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
FINAL DRAFT CONTRACTOR REPORT TO RES FOR TWO WESTINGHOUSE PLANTS	01/91	--	01/91
DECISION ON B&W OR CE PLANT EVALUATION	01/91	--	01/91
DRAFT CONTRACTOR'S REPORT TO RES FOR GE PLANT	05/91	--	06/91
DRAFT SNL NUREG/CR FOR B&W PLANT	08/91	01/92	--
PACKAGES TO CRGR/ACRS	07/91	02/92	--
ISSUE FOR PUBLIC COMMENT	11/91	05/92	--
CRGR/ACRS REVIEW AND APPROVAL	05/92	10/92	--
ISSUE GENERIC LETTER (NRR)	07/92	12/92	--
ISSUE CLOSEOUT MEMO FROM RES DIRECTOR TO EDO	07/92	12/92	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 87 5 1
 IDENTIFICATION DATE 06/83C
 TASK MANAGER J HOPENFELD
 TAC NUMBERS NONE
 TITLE REASSESSMENT OF SGTR DESIGN BASIS
 PRIORITIZATION DATE 03/85C
 OFFICE/DIVISION/BRANCH RCS /DSIR/RPSI
 TYPE LI
 ACTION LEVEL ACTIVE
 STATUS 5
 RESOLUTION DATE 11/92

WORK AUTHORIZATION MEMO TO R. BERNERO FROM H. DENTON DATED 3/25/85

FIN CONTRACTOR CONTRACT TITLE
 ARE79 INEL RISK ASSOCIATED WITH A SPECTRUM OF SGTR ACCIDENTS
 B0832 ORNL STEAM GENERATOR TUBE RUPTURE

W O R K S C O P E

RE-EVALUATE THE METHOD OF ESTIMATING OFFSITE DOSES FOLLOWING A STEAM GENERATOR TUBE RUPTURE. COMPLETE THE EXPERIMENTS ON IODINE PARTITION COEFFICIENTS. EVALUATE THE VALIDITY OF SRP IODINE SPIRAL REQUIREMENTS IN LIGHT OF RECENT DATA

USING BEST ESTIMATE MODELS. IDENTIFY MODIFICATIONS TO THE SRP RESOLUTION OF GI 87 5. 2 IS INCLUDED IN THE SCOPE OF THIS ISSUE

S T A T U S

THE ORNL EXPERIMENTS TO DETERMINE THE IODINE PARTITION COEFFICIENT ARE COMPLETE. THE INEL EVALUATION OF PLANT IODINE SPIRAL DATA HAS BEEN COMPLETED. INEL HAS INITIATED

AN ANALYSIS OF SECONDARY SYSTEM PH FOLLOWING AN SGTR INEL PROGRAM REVIEW HELD 02/26/91

AFFECTED DOCUMENTS

SRP

PROBLEM/RESOLUTION

THIS SCHEDULE WAS DELAYED DUE TO REQUEST FROM EBR THAT THE RESOLUTION PACKAGE BE DELAYED PENDING COMPLETION OF THE SECONDARY PH EVALUATION. DRAFT CONTRACTOR PH REPORT DELAYED DUE TO FUNDING LIMITATIONS EARLY IN FISCAL YEAR. REEVALUATE EFFECT OF TEMPERATURE ON PH

ORIGINAL DATE 06/87
 CURRENT DATE
 ACTUAL DATE 06/87

M I L E S T O N E S

PREPARE DRAFT TAP

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 67 5.1

TITLE REASSESSMENT OF SGTR DESIGN BASIS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
REVISE DRAFT TAP TO INCLUDE PROBABILISTIC ASSESSMENT OF SGTR MANAGEMENT APPROVAL OF REVISED TAP	10/87	--	12/87
COMPLETE WORK PLAN AND CONTRACT PROPOSAL	11/87	--	12/87
ISSUE CONTRACT TO INEL	11/87	--	12/87
DRAFT REPORT FROM INEL AND ORNL TO RES	01/88	--	03/88
FINAL REPORT FROM INEL	06/88	--	07/88
FINAL REPORT FROM ORNL	08/88	--	08/88
FINAL REPORT FROM INEL ON IODINE SPIKING	09/88	--	09/88
FINAL REPORT FROM INEL ON IODINE SPIKING DURING SGTR	01/89	--	01/89
DRAFT REGULATORY ANALYSIS PREPARED	07/89	--	09/89
DRAFT REG ANALYSIS SENT TO NRR FOR COMMENT	09/88	--	11/89
COMMENTS ON DRAFT REG ANALYSIS RECEIVED FROM NRR	07/90	--	08/90
DRAFT REPORT ON SECONDARY PH	01/91	--	04/91
DTR PACKAGE FOR DEPUTY DIRECTOR COMMENT	03/91	11/91	--
DTR PACKAGE TO NRP FOR CONCURRENCE	10/88	11/91	--
DTR PACKAGE TO CPGR/ACRS	10/90	11/91	--
FINAL REPORT ON SECONDARY PH	02/89	01/92	--
CRGR/ACRS REVIEW	05/91	01/92	--
	01/91	02/92	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 67.5.1

TITLE: REASSESSMENT OF SGTR DESIGN BASIS

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
M I L E S T O N E S			
DTR PACKAGE ISSUED FOR COMMENT	03/91	04/92	--
PUBLIC COMMENTS RECEIVED	05/91	06/92	--
FTR PACKAGE PREPARED	06/91	07/92	--
FTR PACKAGE TO NRR	07/91	08/92	--
FTR PACKAGE TO CRGR/ACRS	08/91	09/92	--
CRGR/ACRS REVIEW OF FTR	09/91	10/92	--
FTR PACKAGE ISSUED	03/89	11/92	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 73
 IDENTIFICATION DATE 08/82C
 TASK MANAGER J E JACKSON
 TAC NUMBERS
 TITLE DETACHED THERMAL SLEEVES
 PRIORITY
 STATUS NR
 RESOLUTION DATE 06/93
 PRIORITIZATION DATE 07/91C
 TYPE GSI
 ACTION LEVEL ACTIVE
 OFFICE/DIVISION/BRANCH RES /DSIR/EIB

WORK AUTHORIZATION MEMO BECKJORD TO MINNERS DATED JULY 20, 1991

CONTRACTOR
 TO BE DETERMINED
 CONTRACT TITLE
 TO BE DETERMINED

W O R K S C O P E

FATIGUE FAILURES OF THERMAL SLEEVE ASSEMBLIES WERE REPORTED IN BOTH PURS AND SWR. THESE FATIGUE PROBLEMS WERE IDENTIFIED AND ADDRESSED IN ALL BUT A SUBSET OF W PLANTS WHICH USE GENERATION 3 THERMAL SLEEVES. THE THERMAL SLEEVES HAVE BEEN FOUND TO BE SUSCEPTIBLE TO HIGH-CYCLE STRESS DUE TO PLW-TYPE VIBRATIONS BECAUSE OF THE PARALLEL ATTACHMENT USED IN THAT DESIGN. THE VIBRATIONS CAUSE FATIGUE FAILURES AT THE THERMAL SLEEVE ATTACHMENT WELDS AND SUBSEQUENT CRACKING AND TEARING AWAY OF THE

THERMAL SLEEVES RESULTING IN THE FORMATION OF LOOSE PARTS WHICH MOVED INTO THE REACTOR VESSEL. THIS ISSUE APPLIES TO THE DESIGN AND OPERATION OF APPROXIMATELY 20 W PLANTS THAT USE GENERATION 3 THERMAL SLEEVES. THE TASKS AND SCHEDULE ANTICIPATE THAT FURTHER REVIEW WILL ESTABLISH THAT MOST IF NOT ALL AFFECTED PLANTS HAVE MADE MODIFICATION TO HARDWARE AND/OR INSPECTION PROCEDURES IN A MANNER THAT WOULD BE CONSISTENT WITH THE PROPOSED SOLUTION

S T A T U S

TAP ISSUED SEPTEMBER 26, 1991
 WHICH MOVED INTO THE REACTOR VESSEL
 THE DESIGN AND OPERATION OF APPROXIMATELY 20 W PLANTS THAT USE GENERATION 3 THERMAL SLEEVES. THE TASKS AND SCHEDULE

ANTICIPATE THAT FURTHER REVIEW WILL ESTABLISH THAT MOST IF NOT ALL AFFECTED PLANTS HAVE MADE MODIFICATION TO HARDWARE AND/OR INSPECTION PROCEDURES IN A MANNER THAT WOULD BE CONSISTENT WITH THE PROPOSED SOLUTION

AFFECTED DOCUMENTS

TO BE DETERMINED

PROBLEM/RESOLUTION

TASK MANAGER NOT AVAILABLE UNTIL JANUARY 1992 DUE TO GI-23

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE DETACHED THERMAL SLEEVES

ISSUE NUMBER 73

M I L E S T O N E S

ISSUE TAP	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
PREPARE SON	09/91	09/91	--
INITIATE REVIEW OF EXISTING INFORMATION	01/92	01/92	--
COMPLETE REVIEW	02/92	02/92	--
CLOSEOUT (IF POSSIBLE)	06/92	06/92	--
PREPARE CRGR PACKAGE INCLUDING GENERIC LETTER (RIA)	07/92	07/92	--
CONCURRENCE OF OTHER OFFICES	06/92	06/92	--
CRGR AND ACRS REVIEW COMPLETE	10/92	10/92	--
ISSUE GENERIC LETTER	12/92	12/92	--
LICENSEES RESPONSES	01/93	01/93	--
EVALUATE RESPONSES	03/93	03/93	--
CLOSEOUT (IF POSSIBLE)	06/93	06/93	--
PREPARE RIA AND CRGR PACKAGE	--	--	--
CONCURRENCE OF OTHER OFFICES	--	--	--
CRGR AND ACRS REVIEW COMPLETE	--	--	--
PREPARE REGULATORY ACTIONS	--	--	--

RUN DATE: 10/03/91

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 79 TITLE: UNANALYZED RX VESSEL THERMAL STRESS DURING NATURAL CONVECTION COOLING
 IDENTIFICATION DATE: 06/83C PRIORITIZATION DATE: 07/83C TYPE: GSI PRIORITY: M
 TASK MANAGER: J. PAGE OFFICE/DIVISION/BRANCH: RES /DSIR/EIB ACTION LEVEL: ACTIVE STATUS:
 TAC NUMBER: RESOLUTION DATE: 10/91
 WORK AUTHORIZATION: MEMO TO R VOLLMER FROM H. DENTON DATED 7/25/83.
 NRR FY-84 OPERATING PLAN, (APPENDIX G)

FIN	CONTRACTOR	CONTRACT TITLE
A3822	BNL	UNANALYZED REACTOR VESSEL THERMAL STRESS

WORK SCOPE

NATURAL CIRCULATION COOLDOWN PUTS THE R. AC. JR VESSEL IN AN UNANALYZED THERMAL STRESS CONDITION
 (1) PWR NSSS WILL PROVIDE THERMAL-HYDRAULIC, HEAT CONDUCTION, AND ASME III STRESS ANALYSIS OF THE REACTOR VESSEL.
 (2) BNL WILL VERIFY ACCEPTABILITY OF THERMAL ANALYSES
 (3) EIB WILL VERIFY ACCEPTABILITY OF STRESS ANALYSES.
 EVALUATE RESULTS, AND DETERMINE RESOLUTION OF THE ISSUE.

STATUS

A STAFF NUREG HAS BEEN PUBLISHED AN INFORMATION GENERIC LETTER HAS BEEN PREPARED THE FINAL GI-79 CLOSEOUT PACKAGE HAS BEEN FORWARDED TO NRR.

AFFECTED DOCUMENTS

A STAFF NUREG HAS BEEN PUBLISHED AN INFORMATION GENERIC LETTER HAS BEEN PREPARED.

PROBLEM/RESOLUTION

NONE AT THIS TIME.

MILESTONES

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
MEETING WITH B&W TO CLARIFY ISSUE	11/83	--	03/84
RECEIPT OF INITIAL B&W ANALYSES	08/84	--	12/84

AS OF FY91 QUARTER 4

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE UNANALYZED RX V'SSEL THERMAL STRESS DURING NATURAL CONVECTION COOLING

ISSUE NUMBER 79

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTI DA)
INITIATE CONTRACT AND COMMENCE REVIEW	09/85	--	09/85
COMPLETION OF CONTRACTOR AUDIT CALC FOR B&W DESIGN	05/86	--	07/87
NRC MEETING WITH CONTRACTOR	04/87	--	07/87
ISSUE RAT/MEETING REQUEST TO B&W OWNERS GROUP	02/87	--	10/87
PRELIMINARY TECHNICAL EVAL OF B&W DESIGN FOR STAFF REVIEW	07/86	--	12/87
MEETING WITH B&W OWNERS GROUP	04/87	--	06/88
B&W FORMAL RESPONSE TO MEETING QUESTIONS	06/87	--	06/88
FINAL TECHNICAL EVALUATION OF U&W DESIGN COMPLETED	08/88	--	05/89
PROPOSED CLOSEOUT MEMO TO ACRS	09/88	--	07/89
ACRS REVIEW COMPLETE	06/89	--	08/89
PROPOSED CLOSEOUT MEMO TO NRR FOR CONCURRENCE	09/89	--	09/89
NRR CONCURRENCE ON CLOSEOUT MEMO (PRE-CPGR REVIEW)	10/89	--	05/90
PROPOSED CLOSEOUT MEMO TO CR&P FOR CONCURRENCE	10/89	--	05/90
CR&P MEETING ON CLOSEOUT MEMO	11/89	--	05/90
COMPLETE DRAFT NUREG	08/90	--	09/90
FORWARD FINAL CLOSEOUT MEMO AND GENERIC LETTER TO NRR FOR CONCURRENCE	09/90	--	09/90

RUN DATE: 10/03/91

PAGE: 48

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE: UNANALYZED RX VESSEL THERMAL STRESS DURING NATURAL CONVECTION COOLING

ISSUE NUMBER: 79

M I L E S T O N E S

 NRR CONCURRENCE ON FINAL CLOSEOUT MEMO AND
 GENERIC LETTER
 FORWARD GI AND NUREG TO NRR FOR ISSUANCE
 NRR ISSUANCE OF GENERIC LETTER
 RES ISSUE FINAL CLOSEOUT MEMO

ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
10/90	---	09/90
03/91	---	07/91
01/90	10/91	---
06/90	10/91	---

RUN DATE 10/03/91

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 83
 IDENTIFICATION DATE 11/83C
 TASK MANAGER C. FERRELL
 TAC NUMBERS

TITLE CONTROL ROOM HABITABILITY
 PRIORITY GSI
 PRIORITIZATION DATE 06/84C
 TYPE GSI
 OFFICE/DIVISION/BRANCH RES /DSIR/SAIB
 ACTION LEVEL ACTIVE
 STATUS NR
 RESOLUTION DATE 12/91

WORK AUTHORIZATION: MEMO FOR H. DENTON FROM W. DIRCKS, DATED 8/15/83

FIN CONTRACTOR CONTRACT TITLE

A2328 ANL IN-PLANT REVIEWS ON CONTROL ROOM HABITABILITY
 A2334 ANL IN-PLANT REVIEWS ON CONTROL ROOM HABITABILITY
 B2929 PNL MATH MODELS CONTROL ROOM HABITABILITY
 D2058 SAIC CONTROL ROOM VULNERABILITIES

W O R K S C O P E

ASSESS ADEQUACY OF HABITABILITY CRITERIA, NRR REVIEW. SUMMARIZING RESULTS AND PROVIDING RECOMMENDATIONS
 PLANT SYSTEMS AND COMPONENTS AND TESTING PROCEDURES TWO TASKS (DEVELOP MODELS OF CHALLENGES TO HABITABILITY
 RELATIVE TO CONTROL ROOM HABITABILITY INCLUDING THOSE AREAS AND REVIEW PROCEDURES) HAVE BEEN ADDED
 OF ACRS CONCERN A FINAL REPORT WILL BE PREPARED

S T A T U S

FINAL REPORT FROM SAIC ON "CONTROL ROOM HABITABILITY SYSTEM [NUREG/CR-5556] ISSUED IN MARCH 1991 PNL CONTRACTOR
 REVIEW MODELS" (NUREG/CR-5659) ISSUED IN DECEMBER 1990. REPORT ON TOXICITY LEVELS ISSUED JULY 1991 (NUREG/CR-5659)
 FINAL REPORT FROM PNL ON EXTRAN COMPUTER CODE NRR GENERIC LETTER IN CONCURRENCE

A F F E C T E D D O C U M E N T S

SPP 6 4 9 4 1 12 3 6 5 1 2 3 2 2 1-2 2 3
 9 5 1 RGS 1 78 1 95 1 29 1 52 1 101 1 140 NUREG-0737.
 ITEM 11: D 3 4 11 B 2 10 CFR 50 50 48 APPENDIX
 R 10 10 CFR 50; NUREG-0700; NUREG-0737, SUPPLEMENT 1.

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

NRR ISSUANCE OF GENERIC LETTER DELAYED BECAUSE OF NONCONCURRENCE BY ONE BRANCH. BACKFIT ANALYSIS ADDED, AND GENERIC LETTER IS IN CONCURRENCE.

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 83

TITLE: CONTROL ROOM HABITABILITY

M I L E S T O N E S

WORKSHOP ON CRH	ORIGINAL DATE	CURRENT DATE	ACTIVITY DATE
AWARD OF CONTRACT	11/83	--	11/83
VISIT TO INITIAL PLANT	02/84	--	01/84
REPORT ON CRH CRITERIA TO NRR DIRECTOR	03/84	--	05/84
COMPLETION OF CONTRACTOR VISITS TO OPERATING AND NTO PLANTS	06/84	--	06/84
SOW WRITTEN FOR 12-PLANT SURVEY AND GENERIC STUDIES	08/84	--	08/84
RFP SENT TO POTENTIAL CONTRACTOR(S)	11/84	--	10/84
RECEIPT OF PROPOSAL(S)	12/84	--	11/84
INITIATE PROGRAM TO VISIT 12 ADDITIONAL OPERATING PLANTS	02/85	--	03/85
COMPLETE VISIT TO 11 OPERATING REACTORS	09/85	--	09/85
ISSUE TRANSFER MEMO TO RES	09/86	--	01/87
SOW SENT TO PNL FOR "MATHEMATICAL MODELS OF CONTROL ROOM HABITABILITY SYSTEMS EFFECTIVENESS" (FIN B2929-8)	03/87	--	12/87
SOW SENT TO SAIC FOR "CONTROL ROOM VULNERABILITIES" FIN 020969	04/88	--	04/88
REQUEST FOR PROCUREMENT ACTION SENT TO CHANGE NRR CONTRACT WITH SAIC TO INCLUDE T/A IN MODELING CONTROL ROOM VULNERABILITIES (D2096)	04/88	--	04/88
RECEIPT OF PROPOSAL	05/88	--	05/88
DRAFT CODE FPP	06/88	--	06/88
	10/88	--	11/88

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE: CONTROL ROOM HABITABILITY

ISSUE NUMBER 83

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
DRAFT CODE EXTRAN	10/88	--	12/88
DRAFT REPORT ON TOXIC LEVELS	11/88	--	01/89
PNL CONTRACT EXTENDED ON "NO-COST BASIS" UNTIL 03/90	10/89	--	10/89
ISSUE SAIC CONTRACT	03/89	--	10/89
REVISE TASK ACTION PLAN	10/89	--	03/90
RECOMMENDED REVISED DOSE ASSESSMENT MODELS	09/89	--	06/90
FINAL REPORTS ON MODELS STUDY	02/89	--	07/91
NRR ISSUES GL AND REVISED SRP TO CRGR	10/89	10/91	--
NRR ISSUES GEN LTR & REVISED SRP	12/89	12/91	--
MEMO TO ACRS	06/91	12/91	--
ISSUE CLOSEOUT MEMO	07/91	12/91	--

RUN DATE 10/03/91

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 87
 IDENTIFICATION DATE 01/84C
 TASK MANAGER O. ROTHBERG
 TAC NUMBERS

TITLE FAILURE OF HPCI STEAM LINE WITHOUT ISOLATION
 PRIORITY H
 TYPE GSI
 ACTION LEVEL ACTIVE
 STATUS
 RESOLUTION DATE 03/92

OFFICE/DIVISION/BRANCH RES /DSIR/EIB
 MEMO TO R. BERNERO FROM H. DENTON DATED 9/26/85

FIN	CONTRACTOR	CONTRACT TITLE
A6857	INEL	FAILURE OF HPCI STEAM LINE WITHOUT ISOLATION (NEAR-SATURATED WATER TESTS)
85529	INEL	FAILURE OF HPCI STEAM LINE WITHOUT ISOLATION (STEAM TESTS)

W O R K S C O P E

DETERMINE TYPES/SIZES/MODELS OF VALVES INVOLVED IN HPCI, P&ID, P&CV SYSTEMS WHERE DOWNSTREAM BREAK AND WOULD CAUSE AN UNACCEPTABLE HIGH RISK OF CORE-MELT IF BREAK NOT ISOLATED (DUE TO INVENTORY LOSS AND/OR OTHER SAFETY-RELATED

EQUIPMENT EXPOSED TO ENVIRONMENT BEYOND ITS QUALIFICATION). DEVELOP NEW REQUIREMENTS TO REDUCE PROBABILITY OF VALVE FAILURE TO AN ACCEPTABLE LEVEL, IF NEEDED.

S T A T U S

IN APRIL 1991, A DRAFT FINAL REPORT NUREG/CR-5720 WAS RECEIVED FROM INEL. THE REPORT ADDRESSES THE EXTRAPOLATION OF IN-SITU TEST RESULTS TO DESIGN BASIS CONDITIONS AND PROVIDES INFORMATION ON OTHER ISSUES USED IN THE NRR USER NEED LETTER. COMMENTS ON THE REPORT HAVE BEEN OBTAINED FROM NRR AND PLS AND HAVE BEEN FORWARDED TO INEL. THE REVISED REPORT IS EXPECTED TO BE AVAILABLE BY THE END OF OCTOBER 1991.

1991 TESTING OF MOV DIAGNOSTIC SYSTEMS ON THE INEL TEST RIG IN RESPONSE TO THE NRR USER NEED LETTER WAS COMPLETED IN AUGUST 1991. A MEMORANDUM TO NRR PROVIDING A PROGRESS REPORT ON ITEMS IN THE NRR USER NEED LETTER HAS BEEN COMPLETED. D.C. MOV TESTS ARE EXPECTED TO BE COMPLETED AND A TEST REPORT (INCORPORATED IN NUREG/CR-5720) IS TO BE RECEIVED BY THE END OF OCTOBER 1991.

AFFECTED DOCUMENTS

GENERIC LETTER 89-10 ISSUED UNDER GSI II E 6 I ON JUNE 28, 1989

PROBLEM/RESOLUTION

SCHEDULE FOR COMPLETING REPORT ON DC MOV LAB TESTS WAS DELAYED BY MUTUAL AGREEMENT WITH NRR SO THAT NRR COULD USE INEL TO COMPLETE ANOTHER HIGHER PRIORITY TASK

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE: FAILURE OF HPCI STEAM LINE WITHOUT ISOLATION

ISSUE NUMBER 87

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
M I L E S T O N E S			
SEND LICENSING NEED LETTER TO RES	03/86	--	03/86
RECEIVE REPLY	04/86	--	04/86
RECEIVE RES CONTRACTOR REPORT IDENTIFYING VALVES	06/86	--	06/86
MEET WITH RES CONTRACTOR TO DETERMINE NEXT PHASE OF PROGRAM	07/86	--	07/86
RES CONTRACTOR RECEIVES VALVE QUALIFICATION DATA FROM SELECTED LICENSEES	09/86	--	10/86
RES CONTRACTOR MAKES RECOMMENDATION FOR NEXT PHASE OF PROGRAM	11/86	--	11/86
DEVELOP TAP TO CARRY OUT RECOMMENDATION	12/86	--	08/87
MEET WITH INEL TO FINALIZE VALVE TESTING PROGRAM	04/87	--	04/87
VALVE TESTING PROGRAM SUBMITTED BY INEL	07/87	--	10/87
DRAFT REG ANALYSIS	03/89	--	03/89
GENERIC LETTER TO NRR	05/89	--	04/89
INTERIM REPORT ISSUED DATA FROM FIRST TWO VALVE TEST	05/89	--	07/89
PACKAGE TO ACRS	01/88	--	10/89
COMPLETE VALVE TESTING BY INEL	03/89	--	10/89
ISSUE INFORMATION NOTICE RE TEST RESULTS	12/89	--	12/89
ISSUE CONTRACTOR REPORT (TEST DATA)	01/90	--	04/90
INFORMATION MEETING WITH INDUSTRY TO DISCUSS TEST RESULTS	04/90	--	04/90

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 87

TITLE: FAILURE OF HPCI STEAM LINE WITHOUT ISOLATION

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
ISSUE CONTRACTOR REPORT (ANALYSIS OF HIGH DELTA PRESSURE DATA, DRAFT)	06/90	--	08/90
ISSUE CONTRACTOR REPORT (ANALYSIS OF HIGH DELTA PRESSURE DATA, FINAL)	08/90	--	12/90
ISSUE CONTRACTOR REPORT (ANALYSIS OF LOW DELTA PRESSURE DATA, FINAL REPORT)	03/91	--	04/91
DECISION TO NOT ISSUE SUPPLEMENT TO GL-89-10	07/90	--	07/91
ISSUE CONTRACTOR REPORT (D.C. MOV LAB TESTS, FINAL REPORT)	02/91	11/91	--
ISSUE CLOSEOUT MEMO	03/92	03/92	--

RUN DATE 10/03/91

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 105 TITLE: INTERFACING SYSTEMS LOCA AT LMRS PRIORITY H

IDENTIFICATION DATE 10/88C PRIORITYIZATION DATE 06/95C TYPE: GSI STATUS

TASK MANAGER G BURDICK OFFICE/DIVISION/BRANCH: RES /DSIR/RPS: ACTION LEVEL: ACTIVE RESOLUTION DATE 04/92

TAC NUMBERS

WORK AUTHORIZATION MEMO FOR R BERNERO FROM H DENTON DATED 6/11/85.

FIN CONTRACTOR CONTRACT TITLE

A3829 BNL INTERFACING SYSTEMS LOCA

W O R K S C O P E

PERFORM A DETAILED IS-LOCA SPECIFIC PRA FOR 3 PWR PLANTS TO DETERMINE CORE-MELT FREQUENCIES AND RISK CONTRIBUTED BY FAILURE OF REACTOR COOLANT PRESSURE BOUNDARY AS CAUSED BY FAILURE OF PRESSURE ISOLATION VALVES (PIVS) AND RESULTING INTERFACING SYSTEMS LOCA WHEN SUFFICIENT PROGRESS IS MADE ON PWR STUDIES, AND IN LIGHT OF INSIGHTS THUS GAINED THE BWP WORK SCOPE WILL BE FORMULATED DEVELOP NEW LICENSING CRITERIA IF NECESSARY FOR THE GENERIC RESOLUTION IT HAS BEEN PROPOSED THAT PRESSURE ISOLATION VALVES, WHICH ARE TWO

VALVES IN SERIES AT EACH INTERFACE SEPARATING THE HIGHER PRESSURE RCS FROM ATTACHED LOW PRESSURE SYSTEMS SHOULD BE PERIODICALLY LEAK-RATE TESTED OR VISUALLY INSPECTED. SOME OLDER PLANTS DO NOT PERFORM SUCH TESTS ON ALL PIV'S. STUDIES HAVE BEEN PERFORMED TO ATTEMPT TO DETERMINE IF IMPOSING SUCH PERIODIC TESTING ON ALL PIV'S IN ALL PLANTS IS JUSTIFIED. THESE STUDIES SUPPLEMENT THOSE ONGOING TO IDENTIFY SIGNIFICANT HARDWARE AND HUMAN CONTRIBUTIONS TO RISK OF IS-LOCA OUTSIDE CONTAINMENT FROM 3 PWR 5

S T A T U S

THE RESOLUTION OF GI-105 WILL ENCOMPASS GI-96 "BWR SUCTION VALVE TESTING" THE PERTINENT MILESTONES FROM GENERIC ISSUE II E 6.1 HAVE BEEN TRANSFERRED TO GENERIC ISSUE 105 AND REVISED NUREG/5102 "INTERFACING SYSTEM LOCA IN PWR 5." AND NUREG/5154 "INTERFACING SYSTEM LOCA IN

BWR 5." ARE COMPLETE. ETEC HAS ALSO COMPLETED A STUDY OF THE EFFECTIVENESS OF LEAK-RATE TESTING AS AN INDICATION OF VALVE CONDITION. REVISED TAP COMPLETED 11/89. FORWARDED TO NRR FOR CON- CURRENCE 12/89 AND APPROVED 02/18/90

AFFECTED DOCUMENTS

10CFR50.55a
STAGAPPO TECHNICAL SPECIFICATIONS
GENERIC LETTER (PROPOSED)

PROBLEM/RESOLUTION

DURING THE 12/80 MEETING WITH THE ACRS, IT WAS SUGGESTED THAT THE PREVIOUS ANALYSES WERE INCORRECT AND THAT SURVIVABILITY OF EQUIPMENT IN COMPARTMENTS ADJACENT TO AN IS-LOCA EVENT WOULD HAVE TO BE DETERMINED. THIS IS BEING DONE, AND DEPENDING ON RESULTS, MILESTONE SLIPPAGE MAY OCCUR. SOME

ISSUE NUMBER 105

TITLE: INTERFACING SYSTEMS LOCA AT LWRS

AFFECTED DOCUMENTS

PROBLEM/RESOLUTION

REANALYSIS ON THE BAW PLANT IN RESPONSE TO COMMENTS AT THE 11/90 PROGRAM REVIEW AND THE 12/90 ACRS MEETINGS HAS CAUSED SLIPPAGE OF THE INSIDE CONTAINMENT AND EXTERNAL EVENT STUDIES. THE VALUE/IMPACT STUDY IS PENDING OUTCOME OF THE ENVIRONMENTAL QUALIFICATION INVESTIGATION. DELAY IN THE CE PLANT ANALYSIS WAS CAUSED BY UNAVAILABILITY OF PLANT PERSONNEL DUE TO A REFUELING OUTAGE AND AN ELECTRICAL EQUIPMENT INSPECTION BY NRR. RISK SENSITIVITY TO SEVERAL FACTORS MUST BE EXPLORED BEFORE A REASONABLE PWR COST/BENEFIT ANALYSIS CAN BE COMPLETED. THE SENSITIVITY STUDY MUST BE AUGMENTED BY REALITY-CHECK VISITS TO REGIONAL OFFICES OR ACTUAL PLANTS TO VERIFY EXISTENCE OR NONEXISTENCE OF PLANTS WITH RISK DRIVING FEATURES. EXCEPT FOR BWR MILESTONES, THOSE MILESTONES DEPENDENT UPON THE PWR COST/BENEFIT ANALYSIS WILL SLIP BY AN AMOUNT TO BE ESTIMATED MORE ACCURATELY AFTER INEL'S DEVELOPMENT OF A REVISED 189 IN FY 1992, FIRST QUARTER.

M I L E S T O N E S

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
(RES/EIB) REVIEW RES PROPOSALS FOR PRESSURE ISOLATION VALVE LEAK TESTS & OTHERS. PROVIDE MECS TO RES FOR REVS TO TEST SCOPE/LAB SEL.	05/84	--	05/84
(RES) INITIATE CONTRACT FOR PIV LEAK RATE TESTING (ETEC)	05/84	--	10/84
GSI 105 ASSIGNED TO RSB/DSI/NRR PRELIMINARY DISCUSSION OF WORK PLAN WITH BNL	06/85	--	06/85
BNL PRELIMINARY COST ESTIMATE OF WORK PLAN DEVELOP WORK PLAN AND CONTRACT PROPOSAL DRAFT WORK PLAN TO DIRECTORS DSI, DE, DL, DHFS, AEGD	09/85	--	08/85
INCORPORATE COMMENTS INTO WORK PLAN	10/85	--	10/85
FINAL WORK PLAN APPROVED BY DSI DIRECTOR AND FORWARDED TO GSI	10/85	--	11/85

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 105

TITLE: INTERFACING SYSTEMS LOCA AT LWRS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
ISSUE CONTRACT TO BNL	10/85	--	12/85
MODIFY CONTRACT	01/86	--	01/86
EXPAND CONTRACT TO INCLUDE PWRs	03/86	--	02/86
(RES/EIB) PREPARE GENERIC LETTER TO ALL LICENSEES ASKING FOR PROOF OF VERIFICATION OF RCPB BY TESTING PIV'S	07/86	--	07/86
(NRR) DIRECTOR NRR FORWARD 50.54(F) GENERIC LETTER FOR CRGR APPROVAL	08/86	--	02/87
(CRGR) REVIEW AND APPROVE 50.54(F) LTR TO ALL LICENSEES RE VERIF OF PIV'S. (NRR/DSRO) ISSUE 10CFR50.54(F) LTR ON PIV VERIFICATION	09/86	--	03/87
(RES/EIB) REVIEW LIC RESP TO 10 CFR 50.54(F) ON PIV VERIF DETERMINE PROCS ARE ADEQUATE TO ASSURE INTEG OF RCTR COOLANT PRES BOUNDARY	01/87	--	10/87
FINAL DRAFT REPORTS RECEIVED FROM BNL INCLUDING VALUE/IMPACT ANALYSIS	07/86	--	02/88
PUBLISH NUREG REPORTS	02/89	--	02/89
REVISED TAP	04/89	--	02/90
NRR IS-LOCA AUDITS OF THREE PLANTS	04/90	--	08/90
COMPLETE B&W PLANT ANALYSIS	05/90	--	09/90
PUBLISH IMPEL COMPONENT FRAGILITY RESULTS	09/90	--	10/90
ACRS REVIEW B&W PLANT ANALYSIS COMPLETE WESTINGHOUSE ANALYSIS	11/90	--	12/90
COMPLETE CE PLANT ANALYSIS	12/90	--	06/91
EVALUATE IS-LOCA INSIDE CONTAINMENT EVALUATE IS-LOCA EXTERNAL EVENT INITIATORS	12/90	--	06/91

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE: INTERFACING SYSTEMS LOCA AT LMRS

ISSUE NUMBER 105

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
ENVIRONMENTAL QUALIFICATION ANALYSIS	08/91	--	08/91
PWR CBST BENEFIT ANALYSIS	12/90	11/91	--
BWR SITE VISIT	10/91	10/91	--
DRAFT REGULATORY ANALYSIS TO OSIR/RO6 FOR REVIEW	11/91	02/92	--
DRAFT RESEARCH PACKAGE FOR RES/NRR REVIEW	12/91	02/92	--
BWR ANALYSIS	03/92	02/92	--
RESEARCH PACKAGE AND DRAFT NUREG/CR TO ACRS, CRGR	02/92	02/92	--
DRAFT NUREG/CR	03/92	01/92	--
FINAL NUREG/CR	03/92	03/92	--
ACRS/CRGR MEETINGS	10/88	03/92	--
RESOLUTION PACKAGE TO EDO	10/89	06/92	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 106 TITLE: PIPING AND USE OF HIGHLY COMBUSTIBLE GASES IN VITAL AREAS
 IDENTIFICATION DATE 10/84C PRIORITY M
 TASK MANAGER C. GRAVES OFFICE/DIVISION/BRANCH RES /OSIR/PPSI ACTION LEVEL ACTIVE STATUS
 TAG NUMBERS RESOLUTION DATE 07/92

WORK AUTHORIZATION MEMORANDUM FOR G. ARLOTTO FROM E. BECKFORD DATED 11/3/87

FIN CONTRACTOR CONTRACT TITLE
 46198 INEL DISTRIBUTION OF HYDROGEN GAS IN VITAL AREAS

W O R K S C O P E

UPCHILLERS AND INDUSTRIAL DATABASES FOR OPERATIONAL
 SAFETY. EVALUATE INVOLVING COMBUSTIBLE GASES. EVALUATE
 IN ADDITION TO ESTIMATE FREQUENCY AND SEVERITY OF POSSIBLE
 EVENTS. GASES EVENTS IN TERMS OF CURRENTLY ACCEPTABLE
 STAFF CAPABILITIES FOR EQUIPMENT DESIGN AND HANDLING OF
 COMBUSTIBLE GASES AND EVALUATE RISK ASSOCIATED WITH LACK
 OF PLANT CONFORMANCE TO CURRENTLY ACCEPTABLE GUIDELINES
 IF G. INCORPORATION OF ACCESS FLOW CHECK VALVES OR
 EQUIVALENT PROTECTION AGAINST W2 PIPE BREAKS). EVALUATE

NEED FOR ANY REVISION TO GUIDELINES AND PREPARE RESOLUTION
 PACKAGE WITH V/I ANALYSIS. THE SCOPE W/C EXPANDED TO
 INCLUDE A) SITE VISITS TO JMS-S AND A SCOPING ANALYSIS TO
 DETERMINE THE NEED FOR MORE DETAILED RISK ANALYSIS OF BWR-S.
 B) EVALUATION OF THE RISK ASSOCIATED WITH HYDROGEN STORAGE
 FACILITIES USING INFORMATION FROM THE REGIONAL OFFICES RE-
 QUESTED BY NRR, AND C) A REVISED PRA APPROACH FOR PWR-S
 BASED ON A DETAILED EVALUATION OF INDIAN POINT 2 AND SENSI-
 TIVITY CALCULATIONS FOR OTHER PLANTS.

S T A T U S

THE BWR AND PWR REPORTS SHOW THAT THE POSSIBLE SIGNIFICANT
 SOURCES OF RISK FROM COMBUSTIBLE GASES WITHIN THE SCOPE OF
 GSI-106 ARE HYDROGEN STORAGE FACILITIES AT BWR-S AND PWR-S AND
 HYDROGEN DISTRIBUTION SYSTEMS FOR THE VGT AND ELECTRIC
 GENERATOR FOR PWR-S. THE CAMERA READY COPY OF THE 1-2-87
 REPORT DEALING WITH THESE THREE SOURCES WAS RECEIVED ON

JULY 30, 1991. THERE WERE SIGNIFICANT CHANGES FROM THE
 DRAFTS USED TO PREPARE THE DRAFT REGULATORY ANALYSIS.
 REMAINING CONTRACT WORK INCLUDES PREPARATION OF BETTER BACKS
 FOR THE CONDITIONAL PROBABILITIES AND CONSEQUENCES OF
 EXPLOSIONS, TREATMENT OF UNDETECTED LEAKS, AND COST
 ESTIMATES FOR HYDROGEN LEAK DETECTORS.

AFFECTED DOCUMENTS

SPP 9 5 1

PROBLEM/RESOLUTION

BECAUSE OF COMMENTS RESULTING FROM BOTH STATE AND INTERNAL
 INEL REVIEWS, THERE WERE A NUMBER OF CHANGES TO THE CAMERA
 READY REPORT RECEIVED ON 7/30/91. THE DRAFT REGULATORY
 ANALYSIS BASED ON THIS REPORT WAS DELAYED TO INCLUDE THIS

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 106

TITLE: PIPING AND USE OF HIGHLY COMBUSTIBLE GASSES IN VITAL AREAS

AFFECTED DOCUMENTS

PROBLEM/RESOLUTION

NEW MATERIAL AND TO INCLUDE SECTIONS ON ALTERNATIVES TO DECREASE RISK FROM UNDETECTED LEAKS WHICH ARE NOT IN THE INEL REPORT. THE COMPLETION OF THE SMP REPORT WAS RESCHEDULED SINCE IT DOES NOT AFFECT THE RESOLUTION DATE. THE SEPARATION DISTANCES BETWEEN THE HYDROGEN STORAGE FACILITY AND SAFETY-RELATED STRUCTURES OBTAINED FROM RECENT BLAST AND BUILDING RESPONSE CALCULATIONS ARE MUCH LARGER THAN THE EPRI RESULTS WHICH WERE USED IN THE INEL REPORT. THESE RESULTS WILL BE PUBLISHED BUT WILL NOT AFFECT THE RESOLUTION APPROACH USED IN THE REGULATORY ANALYSIS.

M I L E S T O N E S

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
DEVELOP TAP	03/88	--	09/88
PRELIMINARY DISCUSSIONS WITH CONTRACTOR	08/88	--	09/88
DRAFT SOW ISSUED TO CONTRACTOR	09/88	--	09/88
ISSUE CONTRACT	08/88	--	12/88
TAP APPROVED	08/88	--	01/89
COMPLETE SURVEY OF PLANT INFORMATION	02/89	--	02/89
COMPLETE REPORT ON SURVEY	02/89	--	03/89
COMPLETE REPORT ON RECOMMENDATIONS FOR HYDROGEN SYSTEMS	05/89	--	03/89
ISSUE REVISED TAP	10/89	--	12/89
COMPLETE PRELIMINARY TER ON TASK 5 WORK ON TANK FARM HAZARD	11/89	--	11/89
COMPLETE DRAFT TR ON TASK 2 (LEAK FREQ AND POTENTIAL DAMAGE)	01/90	--	01/89

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE: PIPING AND USE OF HIGHLY COMBUSTIBLE GASES IN VITAL AREAS

ISSUE NUMBER 126

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
COMPLETE LETTER REPORT ON TASK 3 RESULTS OF CONSULTATION WITH INDUSTRY	01/90	--	01/90
COMPLETE FINAL TER ON TASK 5 WORK ON TANK FARM HAZARD	02/90	--	04/90
COMPLETE DRAFT TER ON TASK 6 ON PWR PRA	04/90	--	04/90
COMPLETE DRAFT TER ON TASK 1 (SURVEY OF BWR'S)	06/90	--	07/90
COMPLETE DRAFT NUREG/CR ON TASK 1 (SCOPING PRA FOR BWR'S)	02/91	--	04/91
COMPLETE FINAL DRAFT NUREG/CR ON PWR'S	03/91	--	03/91
KENNEDY DRAFT REPORT COMPLETE	04/91	--	04/91
KENNEDY REPORT ON EXPLOSION STANDARDS COMPLETE	05/91	--	05/91
COMPLETE CAMERA READY COPY NUREG/CR ON PWR'S	04/91	--	08/91
DRAFT REGULATORY ANALYSIS COMPLETED	01/90	--	09/91
COMPLETE CAMERA READY COPY OF NUREG/CR TASK 1 (BWR'S)	03/91	12/91	--
DTR PACKAGE COMPLETED	02/90	11/91	--
DTR TO DIRECTOR .RES	04/90	12/91	--
DTR PACKAGE TO NRR FOR COMMENTS	03/90	01/92	--
CRGR,%CRS REVIEW	05/90	02/92	--
PACKAGE MODIFIED TO REFLECT CRGR,%CRS	06/90	03/92	--
COMMUNICATIONS SENT TO AFFECTED LICENSEES BY DIRECTOR OF NRR	09/90	03/92	--

RUN DATE: 10/03/91

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE PIPING AND USE OF HIGHLY COMBUSTIBLE GASES IN VITAL AREAS

ISSUE NUMBER 106

ACTUAL
DATE

CURRENT
DATE

ORIGINAL
DATE

M I L E S T O N E S

PUBLISH NUREG ON REGULATORY ANALYSIS

09/91

03/92

1

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 113 TITLE DYNAMIC QUALIF. TESTING OF LARGE BORE HYDRAULIC SNUBBERS TYPE -SSI PRIORITY: M
 IDENTIFICATION DATE 09/82C PRIORITYIZATION DATE 07/87C STATUS
 TASK MANAGER J PAGE OFFICE/DIVISION/BRANCH RES /DSIR/EIB ACTION LEVEL ACTIVE
 TAC NUMBERS RESOLUTION DATE 09/92

WORK AUTHORIZATION JULY 2, 1987 MEMO FROM E BECKJORD TO G ARLOTTO

FIN CONTRACTOR

CONTRACT TITLE

A6837 INEL

GENERIC ISSUE 113-DYNAMIC QUALIFICATION & TESTING

W O R K S C O P E

RELIABILITY OF LARGE BORE SNUBBERS AFFECTS PROBABILITY OF LARGE HIGH ENERGY PIPE BREAK, BUT THEY ARE NOT QUALIFICATION TESTED

1. PERFORM LITERATURE SEARCH & OBTAIN CYS OF PERTINENT PERIODICALS, PROFESSIONAL SOCIETY PUBLICATIONS, INPG DOCS, ETC.
2. SURVEY INDUSTRY TO DETERMINE TYPES AND NUMBERS OF LARGE BORE HYDRAULIC SNUBBERS (LBHS) USED IN U.S. PLANTS
3. OBTAIN DESIGN INFORMATION AND OPERATING LIMITS FROM LBHS MANUFACTURERS
4. OBTAIN AND EVALUATE OPERATING EXPERIENCE DATA (NPRDS, L-1, L-2, L-3, L-4, L-5, L-6, L-7, L-8, L-9, L-10, L-11, L-12, L-13, L-14, L-15, L-16, L-17, L-18, L-19, L-20, L-21, L-22, L-23, L-24, L-25, L-26, L-27, L-28, L-29, L-30, L-31, L-32, L-33, L-34, L-35, L-36, L-37, L-38, L-39, L-40, L-41, L-42, L-43, L-44, L-45, L-46, L-47, L-48, L-49, L-50, L-51, L-52, L-53, L-54, L-55, L-56, L-57, L-58, L-59, L-60, L-61, L-62, L-63, L-64, L-65, L-66, L-67, L-68, L-69, L-70, L-71, L-72, L-73, L-74, L-75, L-76, L-77, L-78, L-79, L-80, L-81, L-82, L-83, L-84, L-85, L-86, L-87, L-88, L-89, L-90, L-91, L-92, L-93, L-94, L-95, L-96, L-97, L-98, L-99, L-100, L-101, L-102, L-103, L-104, L-105, L-106, L-107, L-108, L-109, L-110, L-111, L-112, L-113, L-114, L-115, L-116, L-117, L-118, L-119, L-120, L-121, L-122, L-123, L-124, L-125, L-126, L-127, L-128, L-129, L-130, L-131, L-132, L-133, L-134, L-135, L-136, L-137, L-138, L-139, L-140, L-141, L-142, L-143, L-144, L-145, L-146, L-147, L-148, L-149, L-150, 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L-437, L-438, L-439, L-440, L-441, L-442, L-443, L-444, L-445, L-446, L-447, L-448, L-449, L-450, L-451, L-452, L-453, L-454, L-455, L-456, L-457, L-458, L-459, L-460, L-461, L-462, L-463, L-464, L-465, L-466, L-467, L-468, L-469, L-470, L-471, L-472, L-473, L-474, L-475, L-476, L-477, L-478, L-479, L-480, L-481, L-482, L-483, L-484, L-485, L-486, L-487, L-488, L-489, L-490, L-491, L-492, L-493, L-494, L-495, L-496, L-497, L-498, L-499, L-500, L-501, L-502, L-503, L-504, L-505, L-506, L-507, L-508, L-509, L-510, L-511, L-512, L-513, L-514, L-515, L-516, L-517, L-518, L-519, L-520, L-521, L-522, L-523, L-524, L-525, L-526, L-527, L-528, L-529, L-530, L-531, L-532, L-533, L-534, L-535, L-536, L-537, L-538, L-539, L-540, L-541, L-542, L-543, L-544, L-545, L-546, L-547, L-548, L-549, L-550, L-551, L-552, L-553, L-554, L-555, L-556, L-557, L-558, L-559, L-560, L-561, L-562, L-563, L-564, L-565, L-566, L-567, L-568, L-569, L-570, L-571, L-572, L-573, L-574, L-575, L-576, L-577, L-578, L-579, L-580, L-581, L-582, L-583, L-584, L-585, L-586, L-587, L-588, L-589, L-590, L-591, L-592, L-593, L-594, L-595, L-596, L-597, L-598, L-599, L-600, L-601, L-602, L-603, L-604, L-605, L-606, L-607, L-608, L-609, L-610, L-611, L-612, L-613, L-614, L-615, L-616, L-617, L-618, L-619, L-620, L-621, L-622, L-623, L-624, L-625, L-626, L-627, L-628, L-629, L-630, L-631, L-632, L-633, L-634, L-635, L-636, L-637, L-638, L-639, L-640, L-641, L-642, L-643, L-644, L-645, L-646, L-647, L-648, L-649, L-650, L-651, L-652, L-653, L-654, L-655, L-656, L-657, L-658, L-659, L-660, L-661, L-662, L-663, L-664, L-665, L-666, L-667, L-668, L-669, L-670, L-671, L-672, L-673, L-674, L-675, L-676, L-677, L-678, L-679, L-680, L-681, L-682, L-683, L-684, L-685, L-686, L-687, L-688, L-689, L-690, L-691, L-692, L-693, L-694, L-695, L-696, L-697, L-698, L-699, L-700, L-701, L-702, L-703, L-704, L-705, L-706, L-707, L-708, L-709, L-710, L-711, L-712, L-713, L-714, L-715, L-716, L-717, L-718, L-719, L-720, L-721, L-722, L-723, L-724, L-725, L-726, L-727, L-728, L-729, L-730, L-731, L-732, L-733, L-734, L-735, L-736, L-737, L-738, L-739, L-740, L-741, L-742, L-743, L-744, L-745, L-746, L-747, L-748, L-749, L-750, L-751, L-752, L-753, L-754, L-755, L-756, L-757, L-758, L-759, L-760, L-761, L-762, L-763, L-764, L-765, L-766, L-767, L-768, L-769, L-770, L-771, L-772, L-773, L-774, L-775, L-776, L-777, L-778, L-779, L-780, L-781, L-782, L-783, L-784, L-785, L-786, L-787, L-788, L-789, L-790, L-791, L-792, L-793, L-794, L-795, L-796, L-797, L-798, L-799, L-800, L-801, L-802, L-803, L-804, L-805, L-806, L-807, L-808, L-809, L-810, L-811, L-812, L-813, L-814, L-815, L-816, L-817, L-818, L-819, L-820, L-821, L-822, L-823, L-824, L-825, L-826, L-827, L-828, L-829, L-830, L-831, L-832, L-833, L-834, L-835, L-836, L-837, L-838, L-839, L-840, L-841, L-842, L-843, L-844, L-845, L-846, L-847, L-848, L-849, L-850, L-851, L-852, L-853, L-854, L-855, L-856, L-857, L-858, L-859, L-860, L-861, L-862, L-863, L-864, L-865, L-866, L-867, L-868, L-869, L-870, L-871, L-872, L-873, L-874, L-875, L-876, L-877, L-878, L-879, L-880, L-881, L-882, L-883, L-884, L-885, L-886, L-887, L-888, L-889, L-890, L-891, L-892, L-893, L-894, L-895, L-896, L-897, L-898, L-899, L-900, L-901, L-902, L-903, L-904, L-905, L-906, L-907, L-908, L-909, L-910, L-911, L-912, L-913, L-914, L-915, L-916, L-917, L-918, L-919, L-920, L-921, L-922, L-923, L-924, L-925, L-926, L-927, L-928, L-929, L-930, L-931, L-932, L-933, L-934, L-935, L-936, L-937, L-938, L-939, L-940, L-941, L-942, L-943, L-944, L-945, L-946, L-947, L-948, L-949, L-950, L-951, L-952, L-953, L-954, L-955, L-956, L-957, L-958, L-959, L-960, L-961, L-962, L-963, L-964, L-965, L-966, L-967, L-968, L-969, L-970, L-971, L-972, L-973, L-974, L-975, L-976, L-977, L-978, L-979, L-980, L-981, L-982, L-983, L-984, L-985, L-986, L-987, L-988, L-989, L-990, L-991, L-992, L-993, L-994, L-995, L-996, L-997, L-998, L-999, L-1000.

S T A T U S

CONTRACTOR IS FINISHING UP REVISION OF THE FINAL REPORT TO ACCORD WITH STAFF COMMENTS. BASED ON THE CONTRACTOR'S VALUE/INVESTMENT ANALYSIS, A TENTATIVE DECISION HAS BEEN MADE TO MAKE REVISIONS TO VARIOUS ORGANIZATIONS AS FOLLOWS: 1) TO ASSESS THE CURRENT LBHS TEST AND SURVEILLANCE REQUIREMENTS BEING USED IN THE DOMESTIC SNUBBER TEST STANDARD, 2) TO ASSESS/DEVELOP A SNUBBER EQ STANDARD BE DEVELOPED, 3) TO NRC THAT SHIP CHANGES APPLICABLE TO LBHS IN FUTURE PLANTS BE DEVELOPED, 4) TO RES/DE THAT SNUBBER REG GUIDE EFFORTS BE RESUMED, AND 5) TO RES/DE THAT FUTURE PRA ANALYSIS REFLECT MORE REALISTIC FAILURE RATES. IN MAY 1991, THE TASK MANAGER AND THE CONTRACTOR MADE A JOINT PRESENTATION TO THE ASME/CFM COMMITTEE TO RECOMMEND DEVELOPMENT OF A SNUBBER EQ STANDARD, AND A FOLLOWUP MEETING WITH REPRESENTATIVES OF THAT

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 113

TITLE DYNAMIC QUALIF TESTING OF LARGE ROPE HYDRAULIC SNUBBERS

S T A T U S

COMMITTEE WAS HELD IN JULY 1991. THE TASK MANAGER AND EIR MANAGEMENT HELD A COORDINATION MEETING IN JUNE 1991 WITH NRR REGARDING STAFF RECOMMENDATIONS TO BOTH ASME/QME AND ASME/DM COMMITTEE. IN MAY 1991 THE TASK MGR AND EIR MANAGEMENT HELD A FOLLOWUP MEETING WITH REPRESENTATIVES OF THE ASME DM-4 (SNUBBER) WG REGARDING STAFF RECOMMENDATIONS MADE TO THAT COMMITTEE AT THE MARCH 1991 ASME/DM MEETING.

LETTERS REGARDING RECOMMENDATIONS TO ASME/DM AND TO ASME/QME HAVE BEEN DRAFTED FOR INCLUSION IN THE DTR PACKAGE. THE DTR WAS COMPLETED IN AUGUST 1991 AND REVIEWED BY NRR IN SEPTEMBER 1991. THE DTR WAS FORWARDED TO ACRS, ACRS SUBCOMMITTEE AND FULL COMMITTEE MEETINGS HAVE BEEN SCHEDULED FOR OCTOBER 1991.

AFFECTED DOCUMENTS

- (A) ASME SECTION XI
- (B) ANSI/ASME DM-4
- (C) CRP 3.9.3
- (D) STANDARD TECHNICAL SPECIFICATIONS
- (E) CUSTOM TECHNICAL SPECIFICATIONS

PROBLEM/RESOLUTION

SOME DELAYS OF INTERMEDIATE MILESTONES HAVE BEEN ENCOUNTERED DUE TO THE COMPLEX NATURE OF THE PROPOSED CLOSEOUT I.E. CONTINUING INTERACTIONS WITH DIFFERENT ORGANIZATIONS REGARDING THE VARIOUS RECOMMENDED ACTIONS. REVISIONS TO THE REG ANALYSIS AS A RESULT OF DIVISION DIRECTOR REVIEW, REVIEW AND REVISION OF THE DRAFT NUREG/CR NRP REVIEW AND COMMENT ON THE DTR, AND SLIGHT DIFFICULTIES IN OBTAINING UPDATED DRAFT NUREG/CR COPIES NEEDED FOR ACRS REVIEW. DUE TO HEAVY END-OF-THE-FISCAL-YEAR WORKLOADS ON CONTRACTOR PUBLICATIONS PERSONNEL, THE ABOVE HAVE RESULTED IN A 1-MONTH SLIPPAGE OF THREE INTERMEDIATE MILESTONES TWO OF WHICH WERE COMPLETED. HOWEVER IT IS STILL EXPECTED THAT THE ISSUE CAN BE RESOLVED ON OR PRIOR TO THE ORIGINALLY-SCHEDULED 09/92 CLOSEOUT DATE.

M I L E S T O N E S

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
DRAFT TAP TO DE DIRECTOR	11/87	--	11/87
DRAFT TAP APPROVED BY DE DIRECTOR AND FORWARDED TO OTHER RES DIVISION DIRECTORS AND NRR FOR COMMENT	12/87	--	12/87
INCORPORATE COMMENTS IN TAP	03/88	--	03/88
TAP APPROVED BY DE DIRECTOR	04/88	--	07/88

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE: DYNAMIC QUALIF TESTING OF LARGE BORE HYDRAULIC SNUBBERS

ISSUE NUMBER 113

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
WITH CONTRACTOR ASSISTANCE, PERFORM A LITERATURE SEARCH AND OBTAIN COPIES OF PERTINENT PERIODICALS, PROF SOC PUBLICATIONS ETC.	12/88	--	12/88
WITH CONTRACTOR ASSISTANCE, OBTAIN DESIGN INFORMATION AND OPERATING LIMITS FROM LBHS MANUFACTURERS.	12/88	--	12/88
WITH CONTRACTOR ASSISTANCE, OBTAIN AND EVALUATE OPERATING EXPERIENCE DATA.	12/88	--	12/88
WITH CONTRACTOR ASSISTANCE, ASSESS CURRENT LBHS TEST AND SURVEILLANCE REQUIREMENTS	12/88	--	06/89
WITH CONTRACTOR ASSISTANCE, SURVEY INDUSTRY TO DETERMINE TYPE AND NUMBERS OF LBHS IN U. S. PLANTS	12/88	--	06/89
WITH CONTRACTOR ASSISTANCE, OBTAIN AND EVALUATE ENVIRONMENTAL AND DYNAMIC QUALIFICATION INFORMATION.	03/89	--	02/89
WITH CONTRACTOR ASSISTANCE, DETERMINE STATE-OF-THE-ART TESTING CAPABILITIES AVAILABLE IN U. S. INDUSTRY.	04/89	--	05/89
WITH CONTRACTOR ASSISTANCE, COMPLETE FEASIBILITY EVAL OF PERFORMING PERIODIC INSERVICE SURVEILLANCE/TESTS ON LBHS'S	05/89	--	05/89
WITH CONTRACTOR ASSISTANCE, COMPLETE ASSESS OF IMPACT OF SNUBBER REDUCTION INITIATIVES AND GDC-8 ROAD SCOPE RULE ON USE OF LBHS'S	06/89	--	10/89
DRAFT VALUE/IMPACT	07/90	--	07/90
CONTRACTOR TO COMPLETE SINGLE FAILURE SCOPING ANALYSES	09/90	--	09/90
CONTRACTOR TO COMPLETE DETAILED SINGLE FAILURE CONSEQUENCE ANALYSES			

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE DYNAMIC QUALIF TESTING OF LARGE BORE HYDRAULIC SHIBBERS

ISSUE NUMBER 113

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
REVISED VALUE/IMPACT REPORT	01/90	--	09/90
COMPLETE DTR PACKAGE FOR DIVISION REVIEW	08/89	--	08/91
DTR PACKAGE TO ACRS	12/89	--	09/91
ACRS REVIEW	02/90	16/91	--
DTR PACKAGE ISSUED FOR PUBLIC COMMENT	05/90	12/91	--
PUBLIC COMMENTS RECEIVED	07/90	01/92	--
FTR PACKAGE PREPARED	10/90	03/92	--
FTR PACKAGE TO OTHER OFFICES	01/91	05/92	--
FTR PACKAGE ISSUED	09/91	09/92	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 119.1
IDENTIFICATION DATE 07/85C
TASK MANAGER S LEE
TAC NUMBERS
TITLE PIPE RUPTURE REQUIREMENTS
PRIORITYIZATION DATE 09/85C
OFFICE/DIVISION/BRANCH NRR /DEST/EMTB
ACTION LEVEL ACTIVE
STATUS 5
PRECEDENCE
RESOLUTION DATE

WORK AUTHORIZATION MEMO TO R MINGUETTE FROM H DENTON DATED 9/10/85

FIN CONTRACTOR CONTRACT TITLE
A0103 LLNL LOAD COMBINATIONS

W O R K S C O P E

PREPARE REGULATORY ANALYSIS ASSOCIATED WITH PROPOSED SRP REVISIONS AND GDC-8 AMENDMENT IN ACCORDANCE WITH A 01/08/87 MEMO FROM R BOSNAR TO K MUELL. THE REMAINING PART OF GSI B-6

RELATIVE TO DECOUPLING OF SSE AND LOCA LOADS WILL BE ADDRESSED IN THE RESOLUTION OF GSI 119.1. SUBSEQUENTLY, DECOUPLING SSE AND LOCA EFFORTS WERE TERMINATED BASED ON INPUT FROM OGC.

S T A T U S

THE EDO APPROVAL TO BEGIN RULEMAKING (GDC-4) WAS GIVEN IN 12/78. THE FRN OF PROPOSED LIMITED SCOPE RULE WAS MADE IN 7/85 WITH THE FINAL RULE PUBLISHED IN 4/86. THE FRN OF PROPOSED BROAD SCOPE RULE WAS MADE IN 7/86. COMMISSIONERS APPROVED FINAL BROAD SCOPE RULE ON OCTOBER 1, 1987. FRN SOLICITING PUBLIC COMMENT ON SRP 3.6.3 PUBLISHED ON AUGUST 28, 1987. MANAGEMENT OF SRP 3.6.3 TRANSFERRED TO NRR

IN MEMO ARLOTTO TO SHAO DATED SEPTEMBER 28, 1987, FRN OF SRP SECTION 3.6.2 REVISION AND ASSOCIATED GJ WERE PUBLISHED. ALL REMAINING ISSUES RELATE TO NRR - NO TASK MANAGERS ASSIGNED. NRR/DOST WILL PREPARE AND SEND A MEMO TO RES REQUESTING RES TO CLOSE OUT THE ISSUE SINCE WORK IS ESSENTIALLY COMPLETE, AND ONLY SRP CHANGES ARE NEEDED.

AFFECTED DOCUMENTS

- (1) IC CFR 50 APPENDIX A, GDC 4
- (2) SRP SECTION 3.6.2
- (3) SRP SECTION 3.6.3 (NEW SECTION)

PROBLEM/RESOLUTION

SLIPPAGE IN PUBLICATION OF PROPOSED BROAD SCOPE RULE DUE TO PREPARATION OF BACKFIT ANALYSIS AND INTEGRATION OF VIEWS FROM THE FEDERAL REPUBLIC OF GERMANY. SLIPPAGE IN FINAL BROAD SCOPE RULE DUE TO DELAYS IN PROPOSED BROAD SCOPE RULE AND TO DIFFICULTIES IN RESOLVING TECHNICAL ISSUES, PARTICULARLY RELATING TO HEAVY COMPONENT SUPPORT REDESIGN.

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 119.1

TITLE: PIPE RUPTURE REQUIREMENTS

M I L E S T O N E S

PRC FINAL RPT CONTAINING RECOMMEND FOR
DECOUPLING LOCA SSE & ARBITRARY INTERMED
PIPE BREAKS ISSUED TO EDO (SRP 3 6 2)

SRP REVISION AND REGULATORY
ANALYSIS COMPLETE (SRP 1 6 2)

DIVISION DIRECTOR REVIEW OF CRGR
PACKAGE COMPLETE (SRP 3 6 2)

DIVISION DIRECTOR'S COMMENTS RESOLVED.
CRGR PACKAGE TO NRR DIRECTOR
FOR REVIEW (SRP 3 6 2)

NRR DIRECTOR REVIEW COMPLETE
PACKAGE SENT TO CRGR (SRP 3 6 2)

CRGR REVIEW COMPLETE. PACKAGE SENT
TO ACRS (SRP 3 6 2)

ACRS REVIEW COMPLETE (SRP 3 6 2)

FRN ISSUED FOR PUBLIC COMMENT
(SRP 3 6 2)

ANALYSIS COMPLETE (SRP 3 6 2)

DIVISION DIRECTOR REVIEW
COMPLETE (SRP 3 6 2)

PUBLIC COMMENTS RESOLVED. FINAL
CRGR PACKAGE TO DIVISION DIRECTORS
FOR REVIEW (SRP 3 6 2)

COMMENTS RESOLVED. FINAL CRGR PACKAGE
TO NRR DIR FOR REVIEW (SRP 3 6 2)

PACKAGE SENT TO CRGR (SRP 3 6 2)

PACKAGE SENT TO ACRS (SRP 3 6 2)

ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
05/85	--	05/85
04/86	--	04/86
06/86	--	07/86
07/86	--	08/86
08/86	--	09/86
10/86	--	10/86
12/86	--	11/86
01/87	--	12/86
03/87	--	03/87
04/87	--	01/87
05/87	--	01/87
07/87	--	02/87
08/87	--	03/87
10/87	--	03/87

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE PIPE RUPTURE REQUIREMENTS

ISSUE NUMBER 119 1

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
M I L E S T O N E S			
ACRS REVIEW COMPLETE (SRP 3 6 2)	12/87	--	06/87
FRN OF ISSUANCE OF SRP 3 6 2	01/88	--	06/88
SRP REVISION AND REGULATORY ANALYSIS COMPLETE (SRP 3 6 3)	03/87	--	03/87
CRGR PACKAGE TO DIVISION DIRECTORS FOR REVIEW (SRP 3 6 3)	04/87	--	04/87
DIVISION DIRECTOR REVIEW COMPLETED (SRP 3 6 3)	04/87	--	05/87
CRGR PACKAGE TO PES DIRECTOR FOR REVIEW (SRP 3 6 3)	05/87	--	06/87
PACKAGE SENT TO CRGR (SRP 3 6 3) (29)	05/87	--	06/87
PACKAGE SENT TO ACRS (SRP 3 6 3)	06/87	--	05/87
ACRS & CRGR REVIEW COMPLETED (SRP 3 6 3)	06/87	--	08/87
FRN ISSUED FOR PUBLIC COMMENT (SRP 3 6 3)	07/87	--	08/87
MANAGEMENT OF SRP 3 6 3 TRANSFERRED TO NRR	--	--	09/87
FRN OF FINAL BROAD SCOPE RULE (GDC-4)	02/87	--	10/87
PUBLIC COMMENTS RESOLVED. CRGR PACKAGE SENT TO DIVISION DIRECTORS (SRP 3 6 2)	11/87	TBD	--
DIVISION DIRECTORS REVIEW COMPLETED (SRP 3 6 3)	12/87	TBD	--
NRR OFFICE DIRECTOR REVIEW COMPLETED (SRP 3 6 3)	02/88	TBD	--
PACKAGE SENT TO CRGR AND ACRS (SRP 3 6 3) (53)	03/88	TBD	--

RUN DATE 10/03/91

PAGE 40

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 119 1 TITLE PIPE RUPTURE REQUIREMENTS

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
M I L E S T O N E S	04/88	TBD	--
ACRS AND CRGR REVIEW COMPLETE (SRP 3 8 3)	05/88	TBD	--
FRN OF ISSUANCE OF SRP 3 8 3			

RUN DATE: 10/03/91

PAGE: 01

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 119.3 TITLE: DECOUPLING OBE FROM SSE
 IDENTIFICATION DATE: 07/85C PRIORITIZATION DATE: 09/85C TYPE: RI PRIORITY:
 TASK MANAGER: A MURPHY OFFICE/DIVISION/BRANCH: RES /DE /SSEB ACTION LEVEL: ACTIVE STATUS: 5
 TAC NUMBERS: NONE RESOLUTION DATE: _____

WORK AUTHORIZATION MEMO TO R MINGOS FROM H DENTON DATED 9/10/85.

FIN _____ CONTRACTOR _____ CONTRACT TITLE _____
 NONE _____ NONE _____

W O R K S C O P E

TO BE PROVIDED LATER

S T A T U S

TO BE DETERMINED

PROBLEM/RESOLUTION

AFFECTED DOCUMENTS

10 CFR 100 APPENDIX A A LIST OF OTHER DOCUMENTS NONE
 TO BE PROVIDED LATER

ACTUAL DATE

CURRENT DATE

ORIGINAL DATE

M I L E S T O N E S

DEVELOP TAP

TBD

TBD

TBD

RUN DATE 10/01/91

PAGE 42

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 119 4 TITLE BWR PIPING MATERIALS
 IDENTIFICATION DATE 07/85C PRIORITY
 TASK MANAGER A TABOADA OFFICE/DIVISION/BRANCH RES /DE /NEW ACTION LEVEL ACTIVE STATUS N
 TASK NUMBERS: NONE RESOLUTION DATE: 07/92

WORK AUTHORIZATION MEMO TO R MINOQUE FROM N DENION DATED 9/10/85

CONTRACTOR CONTRACT TITLE
 ANL ENVIRONMENTALLY ASSISTED CRACKING IN LWRS

W O R K S C O P E

DEFINE THE ACCEPTABILITY OF PROPOSED FIXES TO MITIGATE INTERGRANULAR STRESS CORROSION CRACKING (IGSCC)

S T A T U S

NUREG-0312 REV 2 - TECHNICAL REPORT ON MATERIAL SELECTION AND PROCESSING GUIDELINES FOR BWR COOLANT PRESSURE BOUNDARY PIPING. - WAS APPROVED BY THE COMMISSION (SECY-84-301 TO COMMISSION AND ISSUANCE OF GENERIC LETTER R G 1 44 WILL BE WITHDRAWN)

AFFECTED DOCUMENTS

R G 1 44 AND NUREG 0312 - TECHNICAL REPORT ON MATERIAL SELECTION AND PROCESSING GUIDELINES FOR BWR COOLANT PRESSURE BOUNDARY PIPING.

PROBLEM/RESOLUTION

NONE

M I L E S T O N E S

SECY-84-301 TO COMMISSION
 PUBLISH NUREG-1061 VOL 1
 PUBLISH NUREG-1061 VOL 5

ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
07/88		07/88
09/84		09/84
04/85		04/85

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 119 A

TITLE BWR PIPING MATERIALS

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
M I L E S T O N E S			
COMPLETE DRAFT ON NUREG-0313, REV 2	09/85	--	09/85
OFFICE REVIEW	01/86	--	01/86
CRGR REVIEW	03/86	--	04/86
ISSUE FOR PUBLIC COMMENT	04/86	--	06/86
REVISION OF DRAFT TO REFLECT PUBLIC COMMENTS	07/86	--	02/87
ACRS REVIEW	03/87	--	03/87
CRGR REVIEW	09/86	--	06/87
COMMISSION PAPER FOR APPROVAL	12/86	--	09/87
ISSUE GENERIC LETTER-8801	04/87	--	01/88
MADE DECISION TO WITHDRAW REGULATORY GUIDE 1 44	12/87	--	10/89
WITHDRAW REGULATORY GUIDE 1 44	06/90	02/92	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 119 5
IDENTIFICATION DATE 07/85C
TASK MANAGER J. MUSCARA
TAC NUMBERS
TITLE LEAK DETECTION REQUIREMENTS
PRIORITIZATION DATE 09/85C
OFFICE/DIVISION/BRANCH RES /DE /MFB /MFB
TYPE RI
ACTION LEVEL ACTIVE
STATUS 5
RESOLUTION DATE 12/91

WORK AUTHORIZATION MEMO TO R MINOQUE FROM H. DENTON DATED 9/10/85

CONTRACTOR
FIN
A2250
B5781
B5782
D1858
CONTRACT TITLE
EVALUATION OF CURRENT AND ADVANCED LEAK DETECTION SYSTEMS
SHORT CRACKS IN PIPING
LEAK RATE EVALUATION

W O R K S C O P E

SURVEY EXISTING OPERATING PLANT PRACTICES AND CURRENT
AND ADVANCED METHODS TO DETERMINE THE ADEQUACY OF LEAK DE-
TECTION SYSTEMS. EVALUATE LEAK RATE ESTIMATION MODELS
EVALUATE LEAK RATES FROM DIFFERENT CRACK SIZES AND
GEOMETRIES AND IMPACT ON LEAK-BEFORE-BREAK

S T A T U S

MUREG-0213 REV 2. APPROVED BY THE COMMISSION AND PUBLISHED

AFFECTED DOCUMENTS

- (1) REGULATORY GUIDE 1.45
- (2) SRP SECTION 5.2.5
- (3) MUREG-0213, TECHNICAL REPORT ON MATERIAL SELECTION AND PROCESSING GUIDELINES FOR BWR COOLANT PRESSURE BOUNDARY PIPING

PROBLEM/RESOLUTION

RESEARCH PROJECT ON LEAK DETECTION STARTED IN FY-86 BUT DRastically REDUCED DUE TO BUDGET CUTS (GRAMM/RUDMAN). REPORT COMPLETED IN FY-86 ONLY ON LIMITED ASSESSMENT OF CURRENT PRACTICE IN PLANTS. FUNDING RESUMED IN MID FY-87. RESEARCH ON EFFECTIVENESS OF CURRENT LEAK DETECTION SYSTEMS COMPLETED IN FY 1988. REPORTS NUREG/CR-4813 AND NUREG/CR-4812 REV 1. RESEARCH ON ADVANCED LEAK DETECTION SYSTEM COMPLETED AND APPLICATION PROCEDURES DEVELOPED. FINAL REPORT NUREG/CR-5134 PUBLISHED OCT 1-88. FIRST WORKING DRAFT FOR REVISION OF REG. GUIDE 1.45. INCORPORATES FINDINGS OF ABOVE RESEARCH DEVELOPED. INFORMAL COMMENTS FROM NRR AND REGIONS RECEIVED IN JULY

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 119 TITLE LF4K DETECTION REQUIREMENTS

AFFECTED DOCUMENTS

PROBLEM/RESOLUTION
 1989 STAFF DESIRES A MAJOR REVISION TO THE DRAFT GUIDE TO INCORPORATE NOT ONLY INSTRUMENTATION REQUIREMENTS (AS IN PRESENT GUIDE) BUT ALSO PEAK MONITORING, DETECTION AND ACCEPTANCE CRITERIA. A WORKSHOP WAS HELD OCTOBER 24, 1989 WITH NRC STAFF AND CONTRACTORS TO DISCUSS AND DECIDE HOW TO ACCOMPLISH NEW REQUIREMENTS IN THE REVISION. A NEW RESEARCH TASK WILL START IN FY 1991 TO ADDRESS LEAK RATE LIMITS. THESE RESULTS WILL BE AVAILABLE IN DECEMBER 1991.

M I L E S T O N E S

- SECY-84-301 TO COMMISSION
- PUBLISH NUREG-1061 VOL 1
- PUBLISH NUREG-1061 VOL 5
- COMPLETE DRAFT OF NUREG-0313 REV. 2
- OFFICE REVIEW
- CRGR REVIEW
- ISSUE FOR PUBLIC COMMENT
- REVISE DRAFT TO REFLECT PUBLIC COMMENTS
- ACRS REVIEW
- CRGR REVIEW
- COMMISSION PAPER FOR APPROVAL
- 6L ISSUED
- DEVELOP SCHEDULE TO REVISE R G 1.45

ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
07/84	--	07/84
09/84	--	09/84
04/85	--	04/85
09/85	--	09/85
01/86	--	01/86
03/86	--	04/86
04/86	--	06/86
07/86	--	02/87
03/87	--	03/87
09/86	--	06/87
12/86	--	09/87
04/87	--	01/88
01/88	12/91	--

RUN DATE 10/03/91

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GENERIC ISSUE MANAGEMENT CONTROLS SYSTEM

ISSUE NUMBER 119 5

TITLE LEAK DETECTION REQUIREMENTS

ACTUAL
DATE

CURRENT
DATE 12/91

ORIGINAL
DATE 12/88

M I L E S T O N E S

DEVELOP SCHEDULE TO REVISE
SRP SECTION 5.2.5

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 120
IDENTIFICATION DATE 08/85C
TASK MANAGER T Y CHANG
TAC NUMBERS NONE
WORK AUTHORIZATION MEMORANDUM FOR W. MINNERS FROM E. BECKJORD DATED NOV. 23, 1990
TITLE ON-LINE TESTABILITY OF PROTECTION SYSTEMS
PRIORITIZATION DATE 11/90C
OFFICE/DIVISION/BRANCH RES /DSIR/EIB
TYPE GSI
ACTION LEVEL ACTIVE
STATUS
RESOLUTION DATE 12/92
PRIORITY M

CONTRACTOR
FIN
L1968
CONTRACT TITLE
RESOLUTION OF GSI-120 'ON-LINE TESTABILITY OF PROTECTION SYSTEM'

W O R K S C O P E

ASSESS COMPETING RISK OF IMPROVED RELIABILITY DUE TO INCREASED TESTING AND INCREASE IN INADVERTENT TRIPS
TASK 1 - SCREENING AND CATEGORIZATION OF PLANTS/COMPONENTS AND THE BASES FOR PLANT/COMPONENT INCLUSION IN GSI-120

TASK 2 - ESTABLISH PRELIMINARY RELIABILITY INFORMATION
TASK 3 - EVALUATION TO DETERMINE IF ADDITIONAL NPC ACTION IS WARRANTED

S T A T U S

FORM 172-50-1 ISSUED TO INEL ON 7/16/91 TO DEFINE SCOPE OF THE ISSUE. FORM 189 RECEIVED FROM INEL ON 9/16/91. IT IS ANTICIPATED THAT FURTHER REVIEW WILL ESTABLISH THAT THIS

ISSUE WILL NOT RESULT IN NEW REQUIREMENTS ACCORDINGLY THE SCHEDULE HAS BEEN DEVELOPED BASED ON THE ASSUMPTION

A F F E C T E D D O C U M E N T S

TO BE DETERMINED

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

THE BASIS USED FOR PRIORITIZATION IS NOT CLEAR. THEREFORE THE TAP INCLUDES A TASK TO GATHER MORE INFORMATION AND DEVELOP THE SCOPE OF THE ISSUE. THE RESULTS WILL BE EVALUATED TO DETERMINE WHETHER ADDITIONAL STAFF ACTION IS WARRANTED.

ORIGINAL DATE 12/90
CURRENT DATE
ACTUAL DATE 12/90

M I L E S T O N E S

GSI 120 ASSIGNED TO RES/DSIR/EIB

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE ON-LINE TESTABILITY OF PROTECTION SYSTEMS

ISSUE NUMBER 120

ISSUE TAP	M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
ISSUE SHOW FOR CONTRACTOR		05/91	--	08/91
SCREEN/CATEGORIZE PLANTS/COMPONENTS		07/91	--	07/91
ESTABLISH RISK/RELIABILITY INFORMATION		01/92	01/92	--
DRAFT REGULATORY ANALYSIS AND PREPARE DRAFT RESOLUTION PACKAGE		04/92	04/92	--
ISSUE PACKAGE TO CRGR AND ACRS		06/92	06/92	--
PREPARE FINAL PACKAGE AND ISSUE CLOSOUT MEMO		09/92	09/92	--
		12/92	12/92	--

RUN DATE 10/03/91

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE 49

ISSUE NUMBER 121

TITLE: HYDROGEN CONTROL FOR LARGE, DRY PWR CONTAINMENTS

IDENTIFICATION DATE 08/85C

PRIORITIZATION DATE 09/85C

TYPE GSI

PRIORITY: H

TASK MANAGER E. CHOW

OFFICE/DIVISION/BRANCH RES /DSIR/SAIB

ACTION LEVEL ACTIVE

STATUS

TAC NUMBERS NONE

RESOLUTION DATE: 11/91

WORK AUTHORIZATION MEMO TO F GILLESPIE FROM T SPEIS DATED 9/26/85.

FIN	CONTRACTOR	CONTRACT TITLE
A3877	BNL	PWR DRY CONTAINMENT PERFORMANCE
A6890	INEL	PWR DRY CONTAINMENT VENTING/ENHANCEMENT
L1078	SNL	PWR DRY CONTAINMENT PARAMETRICS

WORK SCOPE

ESTABLISH A TECHNICAL POSITION ON THE NEED FOR HYDROGEN CONTROL FOR LWR'S WITH LARGE, DRY CONTAINMENTS

AND MAKE RECOMMENDATIONS TO THE COMMISSION.

STATUS

AT THE COMMISSION MEETING ON 12/10/84 AND IN SECY-83-3578, THE STAFF INDICATED THAT RECOMMENDATIONS FOR RULEMAKING RELATED TO LWR'S WITH LARGE, DRY CONTAINMENTS WOULD BE PROVIDED AT THE CONCLUSION OF ONGOING RESEARCH IN MID-1986. WORK HAS BEEN PROCEEDING, AND STAFF MEETINGS WERE HELD IN NOVEMBER 1985 TO REVIEW THE PROGRESS. THE VARIOUS

RESEARCH TASKS WERE SCHEDULED TO BE COMPLETED DURING THE FIRST HALF OF CALENDAR YEAR 1985. CPI PROGRAM PART OF RESOLUTION OF THIS ISSUE IS COMPLETE. BNL HAS COMPLETED ITS FINAL REPORT ON HYDROGEN CONTROL (NUREG/CR-5662) ISSUED JUNE 1991. CLOSEOUT MEMO SENT TO ACRS 8/8/91

AFFECTED DOCUMENTS

TO BE DETERMINED.

PROBLEM/RESOLUTION

ACRS DELAYED REVIEW OF ISSUE BY ONE MONTH.

MILESTONES

RESEARCH COMPLETE

ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
06/86	--	08/88

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 121

TITLE HYDROGEN CONTROL FOR LARGE, DRY PWR CONTAINMENTS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
TRANSFER FROM LWA	--	--	08/88
PROVIDE MILESTONES	09/87	--	06/89
BNL DRAFT REPORT	09/89	--	09/89
INTERIM STATUS REPORT TO COMMISSION	07/89	--	11/89
DRAFT COMMISSION PAPER	10/89	--	11/89
CRGR REVIEW	12/89	--	01/90
ACRS REVIEW	12/89	--	03/90
PAPER TO EDO	12/89	--	03/90
PAPER TO COMMISSION	01/90	--	03/90
CPI FINAL REPORTS (CURRENT SNL-10/90) (COMPLETE BNL & INEL - 08/90)	10/89	--	08/90
BNL DRAFT REPORT	08/90	--	09/90
BNL FINAL REPORT	10/90	--	05/91
MEMO TO ACRS	10/90	--	08/91
ACRS MEETING (OPTIONAL)	03/91	11/91	--
CLOSEOUT MEMO TO EDO	02/91	11/91	--

RUN DATE 16/07/91

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 178
 IDENTIFICATION DATE 05/86C
 TASK MANAGER D THATCHER/ROURK
 TAC NUMBERS

TITLE ELECTRICAL POWER RELIABILITY
 PRIORITIZATION DATE 11/86C
 OFFICE/DIVISION/BRANCH RES /DSIR/EIB

TYPE GSI
 ACTION LEVEL ACTIVE

PRIORITY H
 STATUS
 RESOLUTION DATE 09/91C

WORK AUTHORIZATION MEMO FOR H DENTON FROM T SPEIS DATED 11/28/86

CONTRACT TITLE

INTEGRATION OF ELECTRICAL POWER ISSUES

CONTRACTOR

INEL

W O R K S C O P E

INTEGRATION OF OTHER HIGH OR MEDIUM PRIORITY GENERIC ISSUES A-30, 48, 49

TASK 1. IDENTIFICATION OF ISSUES

THE CONTRACTOR REVIEWED THE DOCUMENTATION RELATED TO THE ELECTRICAL ISSUES AND CONCERNS LISTED BELOW. A NUMBER OF GSI'S DIRECTLY RELATED TO ON-SITE ELECTRICAL POWER SYSTEMS HAVE BEEN DOCUMENTED INUREG-09331 AND ARE IN VARIOUS STAGES OF RESOLUTION. THESE ISSUES INCLUDE:

- A-30. ADEQUACY OF SAFETY-RELATED DC POWER SUPPLIES - 48
- LCG FOR CLASS 1E VITAL INSTRUMENT BUSES IN OPERATING REACTORS - 49
- INTERLOCKS AND LOGS FOR REDUNDANT CLASS 1E TIE BREAKERS - A NUMBER OF OTHER ISSUES AND CONCERNS CONCERN THE ON-SITE ELECTRICAL POWER SYSTEMS TO A SOMEWHAT LESSER DEGREE. SOME OF THESE ISSUES INCLUDE: USI A-17.
- SYSTEMS INTERACTIONS - AND USI A-47, "SAFETY IMPLICATIONS OF CONTROL SYSTEMS"

WITH RESPECT TO POSSIBLE RESOLUTION FOR FUTURE PLANTS, CONSIDERATION WAS GIVEN TO THE IEEE STANDARDS AND NRC EMPLOYMENTS BY REGULATORY GUIDES SPECIFICALLY THE FOLLOWING WERE CONSIDERED: IEEE 603 AND ITS REFERENCED STANDARDS, AND IEEE 308 AND ITS REFERENCED STANDARDS TO OBTAIN AN UP-TO-DATE ASSESSMENT OF ONGOING ELECTRICAL POWER CONCERNS. AEOO AND NRR WERE CONTACTED RELEVANT AEOO CASE STUDIES WERE REVIEWED ALONG WITH

BULLETINS AND NOTICES. IN ADDITION, INEL REVIEWED NUREG-0933 "A PRIORITIZATION OF GENERIC SAFETY ISSUES" THROUGH SUPPLEMENT 6, MARCH 1987 TO CONSIDER OTHER DOCUMENTED GSI'S WHICH MAY HAVE AN IMPACT ON THE INTEGRATED APPROACH TO THE ELECTRICAL POWER SYSTEM ISSUES AND CONCERNS BASED ON THE REVIEW OF THE ABOVE-DISCUSSED MATERIALS. INEL PREPARED A DRAFT REPORT SUMMARIZING ALL THE RELATED ISSUES AND RECOMMENDED A PLAN FOR PROCEEDING WITH RESOLUTION OF THE RELATED ISSUES AND CONCERNS (TASKS 2 AND 3)

TASK 2. EVALUATE THE ISSUES AND EXPECTED RESULTS BASED ON THE RESULTS OF TASK 1

INEL WILL COMPLETE NECESSARY ANALYSIS AND DEVELOP ALTERNATIVES FOR RESOLUTION OF THE ISSUES AND CONCERNS FOR BOTH EXISTING AND FUTURE PLANTS. A FINAL REPORT WILL BE PREPARED THAT INCLUDES THE RESULTS OF TASK 1 AND PROVIDES THE RECOMMENDED ALTERNATE RESOLUTIONS DETERMINED IN TASK 2. PRELIMINARY CONSIDERATION OF POTENTIAL SAFETY BENEFITS AND COSTS OF EACH ALTERNATIVE WILL ALSO BE PROVIDED

TASK 3. DEVELOP REGULATORY ANALYSIS BASED ON THE PRELIMINARY ANALYSIS PERFORMED IN TASK 2

INEL WILL COMPLETE NECESSARY ANALYSIS AND PREPARE DRAFT DOCUMENTS FOR NRC STAFF SUBMISSION TO CRGR. THE DRAFT REGULATORY ANALYSIS TO BE PREPARED SHALL BE BASED ON THE MOST COST-EFFECTIVE ALTERNATIVES EVALUATED IN TASK 2.

S T A T U S

THE PROPOSED GENERIC LETTER FOR GI-A-30 HAS BEEN ISSUED. THE GENERIC LETTER FOR GI-48 AND -49 WAS ISSUED JULY 18.

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 128

TITLE ELECTRICAL POWER RELIABILITY

S T A T U S

1991 THE CLOSEOUT MEMO FOR GSI-128 WAS ISSUED ON SEPTEMBER 12, 1991

AFFECTED DOCUMENTS

PROBLEM/RESOLUTION

THE FOLLOWING TECHNICAL REPORTS HAVE BEEN PUBLISHED

- NUREG-0305 "TECHNICAL REPORT ON DC POWER SUPPLIES IN NUCLEAR POWER PLANTS" JULY 1977
- NUREG-0686, "A PROBABILISTIC SAFETY ANALYSIS OF DC POWER SUPPLY REQUIREMENTS FOR NUCLEAR POWER PLANTS" APRIL 1981
- UCID-19489 "120 VAC VITAL INSTRUMENT BUSES AND INVERTER TECHNICAL SPECIFICATIONS" 1982
- NUREG/CR-5414 "TECHNICAL FINDINGS FOR PROPOSED POWER RELIABILITY" NOVEMBER 1989
- EGG-NTA-8542 "SUMMARY OF ACTIONS TO RESOLVE GENERIC ISSUE 128, "ELECTRIC POWER RELIABILITY" DECEMBER 1989

THE FOLLOWING GENERIC LETTERS WERE ISSUED

- 91-66 "RESOLUTION OF GENERIC ISSUE A-30, "ADEQUACY OF SAFETY-RELATED DC POWER SUPPLIES"
- 91-11 "RESOLUTION OF GENERIC ISSUE 48, "LCOS FOR CLASS 1E VITAL INSTRUMENT BUSES" AND GENERIC ISSUE 49, "INTERLOCKS AND LCOS FOR CLASS 1E TIE BREAKERS"

NONE

M I L E S T O N E S

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
PRELIMINARY RESOLUTION PACKAGE SENT TO STAFF FOR TECHNICAL REVIEW/COMMENTS (GSI'S 48 & 49)	12/87	--	04/88
PREPARE COR PACKAGE (GSI'S 48, 49, AND A-30)	04/88	--	07/88
DIVISION DEPUTY DIRECTOR REVIEW OF DTR COMPLETED	05/88	--	12/88
MANAGEMENT CONCURRENCE BY OTHER OFFICES	07/88	--	04/89

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE ELECTRICAL POWER RELIABILITY

ISSUE NUMBER 128

M I L E S T O N E S

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
DTR PACKAGE TO CROE (29)	07/88	--	05/89
ACRS REVIEW OF DTR COMPLETED	09/88	--	06/89
CROE REVIEW OF DTR COMPLETED	09/88	--	07/89
FINAL CLOSEOUT MEMO DRAFTED	08/89	--	11/89
DIVISION DEPUTY DIRECTOR REVIEW COMPLETED	05/89	--	11/89
GENERIC LETTERS FORWARDED TO NRR	07/89	--	12/89
GENERIC LETTER ON A-70 ISSUED	12/89	--	04/91
GENERIC LETTER ON OSI'S 48 AND 49	12/89	--	07/91
ISSUE CLOSEOUT MEMO	12/89	--	09/91

RUN DATE: 10/03/91

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 54

ISSUE NUMBER: 130
IDENTIFICATION DATE: 06/86C
TASK MANAGER: D. L. BASDEKAS
TAC NUMBERS
WORK AUTHORIZATION: MEMO TO T. SPEIS FROM H. DENTON DATED 3/10/87.

TITLE: ESSENTIAL SERVICE WATER SYSTEM FAILURES AT MULTI-UNIT SITES
PRIORITIZATION DATE: 03/87C
OFFICE/DIVISION/BRANCH: RES /DSIR/ PSI
ACTION LEVEL: ACTIVE
RESOLUTION DATE: 09/91C

TYPE: GSI
PRIORITY: H
STATUS:

FIN	CONTRACTOR	CONTRACT TITLE
A3971	BNL	ESSENTIAL SERVICE WATER SYSTEM FAILURES AT MULTIPLANT SITES (GI-130)

WORK SCOPE

THIS ISSUE RELATES TO THE RELIABILITY OF THE EMERGENCY SERVICE WATER (ESW) SYSTEM OF MULTIPLANT SITES HAVING TWO ESW PUMPS PER PLANT. STUDIES HAVE BEEN PERFORMED TO DETERMINE IF THE ESW SYSTEM RELIABILITY AT SUCH PLANTS IS ADEQUATE. THE POTENTIAL BENEFITS OF PROVIDING RCP SEAL COOLING INDEPENDENT OF ESW, MODIFICATION OF PLANT

OPERATING PROCEDURES, AND PLANT TECHNICAL SPECIFICATIONS HAVE BEEN EVALUATED. THE EFFECT ON SYSTEM RELIABILITY OF MODIFIED TECHNICAL SPECIFICATIONS ON THE LCO'S FOR THE ESW PUMPS AND ALTERNATE MEANS OF PROVIDING SERVICE WATER HAVE ALSO BEEN CONSIDERED.

STATUS

GENERIC LETTER 91-13, DATED SEPTEMBER 19, 1991 IS BEING DISPATCHED.

AFFECTED DOCUMENTS

PLANT TECHNICAL SPECIFICATIONS.

PROBLEM/RESOLUTION

AN ACRS LETTER DATED AUGUST 13, 1991 WAS CRITICAL OF THE GI-130 METHODOLOGY AS "EXTREMELY CONSERVATIVE" AND ADVOCATED THAT WE TAKE THE IPE APPROACH IN RESOLVING GI-130 AS WELL AS GI-153. A RESPONSE TO THIS LETTER HAS BEEN PREPARED FOR THE EDO'S SIGNATURE AND IS CURRENTLY FOR CONCURRENCE IN THE RES/DO OFFICE. OUR PROPOSED RESPONSE IS IN CONCERT WITH OUR EARLIER POSITIONS AND COMMUNICATIONS TO THE ACRS AND PROVIDES ADDITIONAL EXPLANATORY DISCUSSION.

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE: ESSENTIAL SERVICE WATER SYSTEM FAILURES AT MULTI-UNIT SITES

ISSUE NUMBER 130

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
ASSIGN TASK MANAGER	05/87	--	06/87
DEVELOP TAP	07/87	--	08/87
ASSEMBLE INFORMATION ON SYSTEM LAYOUT FOR MULTI-PLANT SITES	11/87	--	12/87
PRELIMINARY DISCUSSION OF WORK PLAN WITH CONTRACTOR	12/87	--	01/88
ISSUE SOW FOR CONTRACTOR	02/88	--	03/88
LER SEARCH FOR SERVICE WATER SYSTEM MALFUNCTIONS	12/87	--	03/88
DRAFT REGULATORY ANALYSIS FOR TECH SPEC CHANGE	05/88	--	05/88
PRELIMINARY CONTRACTOR REPORT	09/88	--	03/89
FINAL REPORT	11/88	--	11/89
CONTRACTOR MEETING TO DISCUSS REVISED REPORT	01/90	--	01/90
REVISED FINAL REPORT	02/90	--	02/90
NRC COMMENTS TO BNL	03/90	--	03/90
NEW SOW TO CONTRACTOR	04/90	--	05/90
CONTRACTOR RESPONSE TO NRC COMMENTS	04/90	--	05/90
REVIEW BNL INPUT/MEETING	05/90	--	05/90
189 FORM FROM CONTRACTOR	05/90	--	06/90
UPDATED NUREG/CR FINDINGS	06/90	--	06/90
DRAFT REGULATORY ANALYSIS	07/90	--	07/90

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 130 TITLE ESSENTIAL SERVICE WATER SYSTEM FAILURES AT MULTI-UNIT SITES

M I L E S T O N E S

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
SUBMIT DTR TO RES DIRECTOR	08/90	--	11/90
REVIEW AND CONCURRENCE BY OTHER OFFICES	09/90	--	04/91
ACRS REVIEW	10/90	--	04/91
CRGR REVIEW	11/90	--	04/91
FTR TO NRR	12/90	--	05/91
ADDENDUM TO NUREG/CR (OP TER)	09/90	--	07/91
ISSUE GENERIC LETTER	01/91	--	09/91
ISSUE CLOSEOUT MEMO FROM RES DIRECTOR TO EDO	09/91	--	09/91

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 142
 IDENTIFICATION DATE 06/87C
 TASK MANAGER FOURK
 TAC NUMBERS

TITLE LEAKAGE THROUGH ELECTRICAL ISOLATORS
 PRIORITIZATION DATE 06/90C
 OFFICE/DIVISION/BRANCH RES /DSIR/EIB
 ACTION LEVEL ACTIVE
 STATUS

TYPE GSI
 ACTION LEVEL ACTIVE
 STATUS

PRIORITY M
 RESOLUTION DATE 06/94

WORK AUTHORIZATION MEMORANDUM FOR W. MINNERS FROM E. BECKJORD DATED
 JUNE 20, 1990

CONTRACTOR

SNL
 L1842

CONTRACT TITLE
 RISK ASSESSMENT OF ISOLATION DEVICES IN SAFETY SYSTEMS

WORK SCOPE

THE OBJECTIVE OF THIS ACTIVITY IS TO 1) PERFORM A SURVEY OF THE DEGRADATION AND/OR FAILURE OF ISOLATION DEVICES USED IN SAFETY SYSTEMS. 2) ASSESS THE TYPE OF ISOLATION DEVICES, IF ANY, USED IN PLANTS THAT WERE LICENSED BEFORE JANUARY 1, 1971. 3) PERFORM A RISK ASSESSMENT OF FAILURES OF ISOLATION DEVICES, OR A LACK OF ISOLATION DEVICES (THAT CAN POTENTIALLY EXIST IN OLDER PLANT DESIGNS), AND 4) EVALUATE IF ADDITIONAL NRC ACTION IS NEEDED TO RESOLVE THIS ISSUE.

STATUS

TAP WAS ISSUED DECEMBER 1990. SNL IS PROCEEDING WITH THE TECHNICAL ASSISTANCE CONTRACT. TWO LETTER REPORTS HAVE BEEN COMPLETED. ONE FOR TACK 1 AND ONE FOR TACK 2.

AFFECTED DOCUMENTS

*** TO BE DETERMINED ***

MILESTONES
 GSI 142 ASSIGNED TO RES/DSIR/EIB
 DRAFT TAP TO DSIR DEPUTY DIRECTOR

PROBLEM/RESOLUTION

NONE

ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
07/90	--	07/90
11/90	--	17/90

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 142

TITLE LEAKAGE THROUGH ELECTRICAL ISOLATORS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
TAP APPROVED BY DSIR DIRECTOR AND FORWARDED TO OTHER RES AND NRR DIVISIONS	12/90	--	12/90
INITIATE PROGRAM	01/91	--	01/91
SURVEY OF ISOL DEV FAILURE	06/91	--	07/91
ASSESS ISOL DEVICES IN PRE-71 PLANTS	07/91	--	07/91
RISK ASSESSMENT OF ISOL DEVICES	11/91	11/91	--
EVALUATION OF NEED FOR ADDITIONAL ACTION (TASK 4)	01/92	01/92	--
DEVELOP QUESTIONS	03/92	03/92	--
NRR REVIEW COMPLETE	06/92	05/92	--
ACRS/CRGR REVIEW COMPLETE	08/92	08/92	--
ISSUE QUESTIONS	09/92	09/92	--
EVALUATE RESPONSES	04/93	04/93	--
PERFORM COST/BENEFIT	07/93	07/93	--
DEVELOP POSITIONS AND PREPARE DRAFT PACKAGE	08/93	08/93	--
DIVISION DIRECTOR REVIEW OF DRAFT RESOLUTION	09/93	09/93	--
OFFICE DIRECTOR REVIEW OF DRAFT RESOLUTION	10/93	10/93	--
CONCURRENCE BY OTHER OFFICES	12/93	12/93	--
CRGR/ACRS REVIEW COMPLETE	02/94	02/94	--
ISSUE FINAL RESOLUTION	05/94	05/94	--

RUN DATE 10/03/91

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE LEAKAGE THROUGH ELECTRICAL ISOLATORS

ISSUE NUMBER 142

ACTUAL DATE

CURRENT DATE

ORIGINAL DATE

M I L E S T O N E S

ISSUE CLOSEOUT MEMO

06/94

26/94

RUN DATE 10/03/91
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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 143
IDENTIFICATION DATE 06/86C
TASK MANAGER V LEUNG
TAC NUMBERS
WORK AUTHORIZATION 1
TITLE AVAILABILITY OF CHILLED WATER SYSTEM AND ROOM COOLING
PRIORITIZATION DATE 03/91C
OFFICE/DIVISION/BRANCH RES /DSIR/RFSI
ACTION LEVEL ACTIVE
TYPE GSI
PRIORITY H
STATUS
RESOLUTION DATE 01/94

CONTRACT TITLE

CONTRACTOR

FIN

W O R K S C O P E

THIS ISSUE IS CONCERNED WITH THE AVAILABILITY OF THE CHILLED WATER SYSTEM AND ROOM COOLING FOR THE SAFETY RELATED EQUIPMENT STUDIES WILL BE PERFORMED TO ASSESS THE RISK SIGNIFICANCE OF THE UNAVAILABILITY OF THE CHILLED WATER SYSTEM AND ROOM COOLING AND TO EXAMINE THE COST EFFECTIVENESS OF APPROACHES FOR REDUCING THE RISK AND

PROPOSE APPROPRIATE ALTERNATIVES FOR IMPLEMENTATION OF THE APPROACH THE DRAFT TAP INCLUDES COOLING AND VENTILATING OF INSTRUMENTATION AND CONTROLS WITHIN THE CONTROL ROOM AS WELL AS OTHER SAFETY RELATED AREAS VULNERABLE TO VENTILATION FAILURES

S T A T U S

DRAFT TAP COMPLETE

AFFECTED DOCUMENTS

PLANT TECHNICAL SPECIFICATIONS AND OPERATING PROCEDURES

PROBLEM/RESOLUTION

A FUNDING SHORTFALL EXISTS FOR FY 91 AND FY 92

M I L E S T O N E S

PRIORITIZATION AND ASSIGN TASK MANAGER
DEVELOP TAP

ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
03/91		03/91
04/91		04/91

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE: AVAILABILITY OF CHILLED WATER SYSTEM AND ROOM COOLING

ISSUE NUMBER 143

ISSUE TAP	M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
DEVELOP DRAFT STATEMENT OF WORK (SOW) WITH CONTRACTOR		07/91	--	07/91
ISSUE SOW AND WORK AUTHORIZATION		07/91	--	07/91
HVAC DATA BASE EXAMINATION REPORT (TASK 1)		11/91	11/91	--
REPORT ON RISK DUE TO HVAC FAILURES		05/92	05/92	--
VALUE/IMPACT ANALYSIS		09/92	09/92	--
DRAFT NUREG/CR REPORT		11/92	11/92	--
FINAL NUREG/CR REPORT FROM CONTRACTOR		12/92	12/92	--
DRAFT TECHNICAL RESOLUTION (DIR)		01/93	01/93	--
SUBMIT TO ACRS/CRGR		03/93	03/93	--
ACRS/CRGR REVIEW		04/93	04/93	--
ISSUE FOR PUBLIC COMMENT		04/93	04/93	--
RESOLUTION OF PUBLIC COMMENTS. FOR APPROVAL BY OTHER OFFICES		08/93	08/93	--
TO ACRS/CRGR		09/93	09/93	--
ACRS/CRGR REVIEW		10/93	10/93	--
SUBMIT FTE WITH GENERIC LETTER TO NRR		12/93	12/93	--
ISSUE GENERIC LETTER TO LICENSEES AND CLOSEOUT MEMO FROM RES DIRECTOR		01/94	01/94	--

RUN DATE 10/03/91
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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 153
IDENTIFICATION DATE 05/90C
TASK MANAGER T M SU
TAC NUMBERS L1843
TITLE LOSS OF ESSENTIAL SERVICE WATER SYSTEM IN LWRs
PRIORITIZATION DATE 02/91C
OFFICE/DIVISION/BRANCH RES /DSIR/RPSI
ACTION LEVEL ACTIVE
STATUS
RESOLUTION DATE

WORK AUTHORIZATION MEMO TO R V LOWRY FROM W MINNERS, DATED 03/22/91

CONTRACTOR
L1843 SNL
CONTRACT TITLE
LOSS OF ESSENTIAL SERVICE WATER IN LWRs (GI-135)

W O R K S C O P E

THIS ISSUE DEALS WITH POTENTIAL UNAVAILABILITY OF THE ESSENTIAL SERVICE WATER SYSTEM IN ALL OPERATING PLANTS EXCEPT THOSE WHICH HAVE BEEN STUDIED UNDER GI-130 THIS ISSUE WILL INCLUDE ALL POTENTIAL CAUSES FOR THE ESW SYSTEM

UNAVAILABILITY EXCEPT THOSE (SUCH AS JOUFOULING) WHICH ARE CONSIDERED TO BE RESOLVED OR IMPLEMENTING THE REQUIREMENTS SPECIFIED IN GENERIC LETTER 89-13

S T A T U S

THE WORK REQUIREMENTS ARE DIVIDED INTO TWO PHASES PHASE I FOR A PILOT STUDY AND PHASE II FOR A GENERIC EVALUATION THE WORK FOR THE PHASE I STUDY HAS BEEN CONTRACTED TO SNL ON MARCH 27 1991 DUE TO UNEXPECTED DOE HOLDUP OF FUNDING.

THE \$75K PHASE I STUDY WAS NOT TRANSMITTED TO SNL UNTIL JUNE 27 1991 SNL INITIATED THE PHASE I STUDY ON JULY 1 1991

AFFECTED DOCUMENTS

POSSIBLE CHANGES TO TECHNICAL SPECIFICATIONS AND SRF

PROBLEM/RESOLUTION

DUE TO UNEXPECTED DOE HOLDUP OF FUNDING THE \$75K PHASE I STUDY WAS NOT TRANSMITTED TO SNL UNTIL JUNE 27 1991

M I L E S T O N E S

PRIORITIZATION

ORIGINAL DATE 11/90
CURRENT DATE
ACTUAL DATE 02/91

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 153

TITLE LOSS OF ESSENTIAL SERVICE WATER SYSTEM IN LWRS

M I L E S T O N E S

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
ISSUE PHASE I SOW FOR CONTRACTOR	04/91	--	03/91
ISSUE PHASE I AND II TAP	02/91	--	07/91
DRAFT CONTRACTOR REPORT ON PHASE I STUDY	10/91	12/91	--
ISSUE INTERIM RESOLUTION	12/91	02/92	--
ISSUE PHASE II SOW	--	--	--
FINAL CONTRACTOR REPORT ON PHASE II STUDY	--	--	--
PREPARE DTR	--	--	--
ACRS/CRGR DTR REVIEW	--	--	--
ISSUE FOR PUBLIC COMMENTS	--	--	--
PREPARE FTR	--	--	--
ACRS/CRGR FTR REVIEW	--	--	--
ISSUE FTR	--	--	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 6-17
IDENTIFICATION DATE 06/78C
TASK MANAGER J KRAMER
TAC NUMBERS
TITLE CRITERIA FOR SAFETY-RELATED OPERATOR ACTIONS
PRIORITIZATION DATE 11/83C
OFFICE/DIVISION/BRANCH RES /DSIR/HFB
ACTION LEVEL ACTIVE
TYPE GSI
STATUS
RESOLUTION DATE 01/92

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

CONTRACTOR LLNL
CONTRACT TITLE 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 ACTION 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

NEW TASK MANAGER ASSIGNED DUE TO TRANSFER OF PERSONNEL

ORIGINAL DATE 07/88
CURRENT DATE --
ACTUAL DATE 06/89

M I L E S T O N E S

MEET WITH ANSI/ANS 58.8

RUN DATE 10/03/91

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE CRITERIA FOR SAFETY-RELATED OPERATOR ACTIONS

ISSUE NUMBER B-17

M I L I S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
DEVELOP TAP	08/87		06/89
CLOSEOUT ISSUE	01/92	01/92	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER B-55 TITLE IMPROVE RELIABILITY OF TARGET ROCK SAFETY-RELIEF VALVES PRIORITY F
 IDENTIFICATION DATE 06/78C PRIORITIZATION DATE 11/83C TYPE GSI STATUS
 TASK MANAGER F CHERNY OFFICE/DIVISION/BRANCH RES /DSIR/EIB ACTION LEVEL ACTIVE RESOLUTION DATE 02/95
 TAC NUMBERS

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

FLS CONTRACTOR NONE
 NONE NONE

CONTRACT TITLE

W O R K S C O P E

REVIEW DWR 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 AT 2-2 DESIGN AND/OR SYSTEM MODIFICATIONS, AND (3) USING DIFFERENT VALVES AND DEMONSTRATING THEIR RELIABILITY.

S T A T U S

WHILE INITIAL PERFORMANCE WITH THE PH 13-8 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
 SWRGG CONCLUDED THE PH 13-8 MO REPLACE- MENT DISCS ARE NOT A
 VIABLE SOLUTION FOR ELIMINATING SETPOINT DRIFT AND RECOM-
 MENDED THEY NO LONGER BE INSTALLED TO RESOLVE THIS PROBLEM.
 THE SWRGG IS CURRENTLY WORKING ON THE DESIGN OF CATALYSTS
 FOR THE TARGET ROCK 2-STAGE SRV'S. INSTALLATION OF RE-
 DESIGNED SRV'S WITH CATALYSTS IS SCHEDULED FOR THE SUMMER/
 FALL OF 1991. THEY ARE ALSO WORKING ON THE PARALLEL
 CONTINGENCY OPTION, I.E. THE USE OF PRESSURE SWITCHES

SIMILAR TO THOSE USED ON 13-R/6 PLANTS. THE SWRGG HAS
 MODIFIED THE SCHEDULE WITH THE CATALYST DESIGN FOR THE
 TARGET ROCK 2-STAGE SRV'S. THE STAFF MET WITH THE SWRGG ON
 AUGUST 1, 1991, PRIOR TO INITIAL INSTALLATION OF THE MODI-
 FIED SRV'S. DURING THE MEETING THE STAFF DISCUSSED DETAILS
 OF THE CATALYST DESIGN AND ALSO MONITORED PROGRESS ON THE
 PARALLEL CONTINGENCY OPTION WITH THE SWRGG. ADDITIONALLY,
 NRC HAD A PLANT-SPECIFIC MEETING ON JULY 23, 1991, WITH ONE
 LICENSEE THAT PLANS TO INSTALL A PRESSURE SWITCH ACTUATION
 SYSTEM. THE STAFF TRANSMITTED A LETTER TO THE SWRGG THAT
 PROVIDED LICENSING GUIDANCE ON THE PRESSURE SWITCH ACTUATION
 SYSTEM (CONTINGENCY PARALLEL OPTION).

AFFECTED DOCUMENTS

NONE

PROBLEM/RESOLUTION

PILOT DISCS OF PH 13-8MO WERE TESTED IN CERTAIN PLANTS
 WITH THE OBJECTIVE OF ELIMINATING EXCESSIVE SETPOINT DRIFT

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE IMPROVE RELIABILITY OF TARGET ROCK SAFETY-RELIEF VALVES

ISSUE NUMBER B-53

AL TESTED DOCUMENTS

PROBLEM/RESOLUTION

THE SCHEDULE FOR RESOLUTION OF THIS ISSUE IS APPROXIMATE BECAUSE THE OPERATING CYCLE SCHEDULES FOR THE PARTICIPATING UTILITIES ARE GOVERNED BY FACTORS BEYOND THE SCOPE OF ISSUE B-53. TEST DATA RECEIVED FROM UTILITIES PARTICULARLY DURING THE LAST 6 MONTHS OF 1989 INDICATE THAT PH 13-8MO PILOT DISCS ARE EXHIBITING ALMOST AS MUCH SETPOINT DRIFTS AS THE ORIGINALLY USED STELLITE DISCS. THE BWR/OG MET WITH THE STAFF ON MAY 1, 1990, AND PRESENTED DETAILS OF A REVISED TWO-OPTION ACTION PLAN. THE PRIMARY ACTION PLAN MODIFIES THE PILOT DISC TO SEAT ENVIRONMENT BY USING CATALYSTS TO RECOMBINE H₂ GAS AND HYDROGEN CONCENTRATIONS THAT OCCUR IN THE SRV. THE PARALLEL CONTINGENCY OPTION PLAN USES PRESSURE SWITCHES TO INITIATE VALVE OPENING BY PNEUMATIC OPERATOR WHEN SYSTEM PRESSURE REACHES THE SWITCH SETPOINT SIMILAR TO THAT USED ON BWR/S PLANTS. BY LETTER DATED JUNE 15, 1990, FROM R. BINZ TO F. CHERNY, SR, THE BWR/OG ADVISED THAT FUNDING HAD BEEN APPROVED TO PROCEED WITH THE REVISED ACTION PLAN. SCHEDULE MILESTONES SHOWN BELOW HAVE BEEN ADDED CONSISTENT WITH THE REVISED PLAN. THE REVISED SCHEDULE REPRESENTS A SUBSTANTIAL SLIPPAGE IN THE RESOLUTION OF THIS G.I. HOWEVER, MOST OF THE ADDED TIME IS DUE TO THE NECESSITY OF OBTAINING REACTOR OPERATING DATA TO EITHER CONFIRM THE VIABILITY OF THE CATALYST APPROACH OR TO OBTAIN MPR REVIEW AND APPROVAL OF THE PRESSURE SWITCH VALVE MODIFICATIONS.

M I L E S T O N E S

MEETING WITH BWR OWNERS SETPOINT DRIFT COMMITTEE
 BWR OWNERS REPORT SUBMITTED
 BOSTON EDISON REPORT SUBMITTED
 COMPLETION OF MPR EVALUATION OF OWNERS GROUP AND BOSTON EDISON REPORTS

ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
12/83	--	11/83
07/84	--	06/84
--	--	08/84
10/84	--	10/84

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE IMPROVE RELIABILITY OF TARGET ROCK SAFETY-RELIEF VALVES

ISSUE NUMBER B-55

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
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
EMERG APPROVAL FOR FUNDING CATALYST/PRESSURE SWITCH PROGRAM	06/90	--	06/90
EMERG SELECT/DESIGN CATALYST	03/91	--	02/91
NRC STAFF ISSUE STATUS REPORT ON INDUSTRY PROGRESS	06/91	--	08/91
EMERG COMPLETES FINALIZING DESIGN AND LABORATORY TESTING	04/92	04/92	--
OWNERS BEGIN TO INSTALL CATALYSTS TO TEST IN PLANTS FOR FIRST FUEL CYCLE	09/91	07/92	--
NRC STAFF ISSUE STATUS REPORT ON INDUSTRY PROGRESS	03/92	07/92	--
EMERG SUBMIT TOPICAL REPORT TO NRC DESCRIBING PRESSURE SWITCH (CONTINGENCY) OPTION	12/91	10/92	--
EMERG RECEIVE APPROVAL FOR PRESSURE SWITCH CONTINGENCY OPTION	06/92	04/93	--
EMERG COMPLETE COMMITMENTS TO INSTALL PRESSURE SWITCH (CONTINGENCY) OPTION FOR FIRST FUEL CYCLE (ALSO TEST RESULTS UNACCEPTABLE)	07/93	07/93	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 3-59 TITLE IMPROVE RELIABILITY OF TARGET ROCK SAFETY-RELIEF VALVES

M I L I T A R Y

OWNER CLOSE OUT MEMO OR STATUS REPORT ICDISE AND MEMO ONLY APPLICABLE TO CATALYST FIRST CYCLE TEST RESULTS UNACCEPTABLE

OWNER PRESENTATION TO NRC OF CATALYSTS FIRST FOR 1ST CYCLE TEST RESULTS

OWNER CLOSE TO INSTALL CATALYSTS TO TEST FOR SECOND FUEL CYCLE

OWNER PRESENTATION TO NRC OF CATALYST SECOND FUEL CYCLE TEST RESULTS (IF APPLICABLE)

OWNER PROVIDE COMMITMENTS TO INSTALL PRES-SURE SWITCH MODIFICATION (IF APPLICABLE)

ISSUE CLOSE OUT MEMO (IF APPLICABLE)

ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
09/93	11/93	
01/94		
01/94		
10/94		
01/95		
02/95		

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER B-56

TITLE DIESEL GENERATOR RELIABILITY

AFFECTED DOCUMENTS

REG GUIDE 1 9 WILL BE UPGRADED REG GUIDE 1 TOP WILL BE MODIFIED AND REVISIONS TO SRP SECTIONS AND TECH 5 CS WILL BE PREPARED BY NRR

PROBLEM/RESOLUTION

FOLLOW-UP ACTIVITIES RELATED TO CRGR AND RCRS REVIEWS WILL PACE THE RESOLUTION OF THIS SAFETY ISSUE THE STAFF IS RESPONDING TO OBJECTIONS RAISED BY COMMISSIONER CURTIS. RESOLUTION OF B-56 IS BEING PACE BY COMMISSION DELIBERATIONS. THE STAFF WILL RESPOND TO DIRECTIONS RECEIVED FROM THE COMMISSION

MILESTONES

DTR IDENTIFIED; ISSUED BY DSI DIRECTOR FOR STAFF COMMENT

PACKAGE TO NRR DIRECTOR

PACKAGE TO CRGR (79) CRGR REVIEW COMPLETE

SCOPE OF ISSUE MODIFIED TO COORDINATE TECHNICAL RESOLUTION OF B-56 WITH USI A-44

SCOPE OF ISSUE MODIFIED TO CONSIDER NUMBER OF COLD START SURVEILLANCE TESTS

COORDINATED GSI B-56 AND USI A-44 CRGR PACKAGE SENT TO NRR DIRECTOR

REVISED PACKAGE TO CRGM - ACTUAL DATE 03/84. CRGR REVIEW COMPLETE

ISSUED 50 54(F) GL R4-15 TO LICENSEES

RECEIVED PUBLIC COMMENTS

ISSUED T/A CONTRACT TO BNL

PUBLISH CONTRACTOR REPORT ON LICENSEE RESPONSE TO 50 54(F)

ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
02/83	--	02/83
04/83	--	07/83
05/83	--	07/83
09/83	--	09/83
11/83	--	11/83
02/84	--	01/84
05/84	--	75/84
06/84	--	07/84
08/84	--	11/84
06/85	--	05/85
04/86	--	04/86

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER B-56

TITLE DIESEL GENERATOR RELIABILITY

ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
03/82	--	05/88
10/85	--	09/88
01/87	--	07/88
03/87	--	08/88
05/87	--	09/88
06/87	--	11/88
11/88	--	01/89
08/87	--	03/89
09/87	--	08/89
04/90	--	05/90
06/90	--	05/90
07/90	--	07/90
10/90	--	10/90
07/91	--	06/91
07/91	10/91	--
10/91	10/91	--
08/91	11/91	--
09/91	11/91	--

MILESTONES

- REVISE SRPS AND REG GUIDES (NRR)
- DEVELOP DIESEL GENERATOR RELIABILITY PROGRAM GUIDELINES
- CRGR PACKAGE TO RES DIRECTOR
- PACKAGE TO CRGR/ACRS (53)
- CRGR REVIEW COMPLETE
- ACRS REVIEW COMPLETE. ISSUE FOR PUBLIC COMMENTS
- PUBLISH NUREG/CR-5078, VOL 2
- RECEIVE PUBLIC COMMENTS
- FTR TO RES DIRECTOR. FTR TO CRGR/ACRS
- RECEIVE NUMARC APPENDIX D SUBMITTAL REVISE CRGR PACKAGE
- NRR & OSG CONCURRENCES
- CRGR/ACRS MEETINGS (ACRS MEETING HELD IN AUGUST OF 1990)
- COMMISSION PAPER TO EDG
- RECEIVE B-56 SRM
- REVISE SR0 RULE R.G. 1.9, REV. 3. PREPARE DRAFT FRN
- PACKAGE TO ACRS
- PACKAGE TO CRGR
- CRGR AND ACRS MEETINGS

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE: DIESEL GENERATOR RELIABILITY

ISSUE NUMBER B-55

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
M I L E S T O N E S	10/91	12/91	
SUBMIT DRAFT PACKAGE TO EDO	10/91	10/91	
ISSUE LETTER TO NUMARC ON ACCELERATED TESTING			
COMMISSION MEETING	12/91	12/91	
ISSUE PACKAGE FOR COMMENT	12/91	12/91	
END 60-DAY PUBLIC COMMENT PERIOD	02/92	02/92	
REVISE PACKAGE AND SUBMIT TO RES DIRECTOR	03/92	03/92	
CRGR AND ACRS MEETINGS	04/92	04/92	
SUBMIT FINAL PACKAGE TO EDO	06/92	06/92	
COMMISSION MEETING	07/92	07/92	
RECEIVE SRM	08/92	08/92	
ISSUE FINAL RULE. R G 1.9. REV 3	09/92	08/92	

RUN DATE 10/03/91

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER B-61
 IDENTIFICATION DATE 06/78C
 TASK MANAGER R. BUSLIN
 TAC NUMBERS
 WORK AUTHORIZATION NPR FY-84 OPERATING PLAN (APPENDIX G)

TITLE ALLOWABLE ECCS EQUIPMENT OUTAGE PERIODS
 PRIORITIZATION DATE 11/83C
 OFFICE/DIVISION/BRANCH RES /DSR /PRAP
 TYPE GSI
 ACTION LEVEL ACTIVE
 STATUS
 PRIORITY M
 RESOLUTION DATE

CONTRACT TITLE

FIN
 CONTRACTOR
 NONE
 NONE

WORK SCOPE

CHANGES IN ALLOWABLE ECCS OUTAGE PERIOD CONSIDERATION
 OF SUPPORT SYSTEM OUTAGES MUST BE INCLUDED. DETAILS
 OF THE WORK SCOPE ARE CONTAINED IN THE URAFT ACTION
 PLAN

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

STATUS

TASK I HAS BEEN COMPLETED

PROBLEM/RESOLUTION

ALTHOUGH TASK I METHODOLOGY REVIEW AND DEVELOPMENT IS
 LISTED AS COMPLETED, NO METHODOLOGY FOR THE ANALYSIS OF THE
 COSTS TO THE UTILITY OF THE IMPLEMENTATION OF A CUMULATIVE
 OUTAGE REQUIREMENT HAS BEEN DEVELOPED. ALSO THE FINAL
 REPORT FROM BNL ON THIS TASK HAS NOT BEEN RECEIVED. ALTHOUGH
 A DRAFT REPORT HAS BEEN RECEIVED, THE MAJOR PROBLEM
 ASSOCIATE WITH B-61 RESOLUTION IS THE ANALYSIS OF THE COS-5
 AND BENEFITS OF THE IMPOSITION OF A CUMULATIVE OUTAGE
 REQUIREMENT. THE CONSIDERATION OF ANALYTICALLY BASED
 CUMULATIVE OUTAGE REQUIREMENTS WAS INCORPORATED INTO B-61 AS
 PART OF THE RESOLUTION OF THE ACTION ITEM K 3 17 (SEE
 MEMORANDUM FOR G. C. LAINAS FROM F. H. POWERS, DATED JUNE
 17, 1983). NO WORK HAS BEEN PERFORMED ON TASK II OF THIS

AFFECTED DOCUMENTS
 TECHNICAL SPECIFICATION CHANGES ARE POSSIBLE

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER B-61

TITLE ALLOWABLE ECCS EQUIPMENT OUTAGE PERIODS

AFFECTED DOCUMENTS

PROBLEM/RESOLUTION

GENERIC ISSUE, BECAUSE OF FUNDING CONSTRAINTS, AND PERCEIVED PRIORITIES FOR THE ALLOCATION OF FUNDS WE ARE ROUGHLY AT THE NOVEMBER 1984 POINT OF THE ORIGINAL SCHEDULE, EXCEPT THAT A METHODOLOGY FOR THE ESTIMATE OF COSTS OF THE IMPOSITION OF A CUMULATIVE OUTAGE REQUIREMENT HAS NOT BEEN DEVELOPED. IF WORK WERE TO BEGIN TODAY ON THE ISSUE, ISSUE COMPLETION IN APRIL 1990 MIGHT BE REASONABLE. IF THE ORIGINAL TIME ESTIMATES ARE CORRECT HOWEVER, AN ATTEMPT AT EXPEDITING THE SCHEDULE BY PERFORMING SOME WORK IN-HOUSE WILL BE MADE.

M I L E S T O N E S

- DRAFT TAP ISSUED FOR DD APPROVAL
- COMPLETE COORDINATION OF TECHNICAL RESOLUTION WITH RLS
- TAP APPROVED BY DIVISION DIRECTOR
- TASK I-METHODOLOGY REVIEW AND DEVELOPMENT COMPLETED
- TASK II-APPLY TO A PWR OR DWR
- APPLY METHODOLOGY TO A SELECTION OF PLANTS
- DEVELOP AN INITIAL RECOMMENDATION FOR STAFF COMMENTS
- PREPARE DTR
- PREPARE CRGR PACKAGE
- REVIEW OF CRGR PACKAGE BY DIVISION DIRECTORS

ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
01/84	--	01/84
04/84	--	06/84
05/84	--	07/84
11/84	--	04/85
02/85	--	--
08/85	--	--
08/87	--	--
04/86	--	--
06/86	--	--
07/86	--	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 8-61 TITLE ALLOWABLE ECCS EQUIPMENT OUTAGE PERIODS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
RES DIRECTOR REVIEW COMPLETE/ PACKAGE TO CRGR	08/86	--	--
CRGR REVIEW AND EDO APPROVAL COMPLETED	09/86	--	--
ISSUANCE OF FRN FOR PUBLIC COMMENT	11/86	--	--
SIXTY-DAY COMMENT PERIOD ENDS	01/87	--	--
DIVISION REVIEW OF PUBLIC COMMENTS COMPLETED AND FINAL CRGR PACKAGE COMPLETED	02/87	--	--
RES REVIEW OF CRGR PACKAGE COMPLETED (DIVISION REVIEW AND RES DIRECTOR REVIEW)	04/87	--	--
CRGR REVIEW AND EDO APPROVAL COMPLETED	05/87	--	--
ISSUANCE OF PROPOSED CHANGES TO TECHNICAL SPECIFICATIONS	07/87	--	--
CLOSE OUT ISSUE	--	--	--

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER B-64 TITLE D-COMMISSIONING OF REACTORS
 IDENTIFICATION DATE 05/78C PRIORITY
 *ASN MANAGER L BELL OFFICE/DIVISION BRANCH NMSS/LLW/LLRB ACTION LEVEL ACTIVE STATUS NR
 TAC NUMBER'S RESOLUTION DATE 10/91

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

FIN CONTRACTOR CONTRACT TITLE
 82742 PNL DECONTAMINATION AND DECOMMISSIONING REVIEW

W O R K S C O P E

DEVELOP A GENERAL DECOMMISSIONING POLICY PREPARE THE DECOMMISSIONING AND ESTABLISH GUIDANCE FOR FACILITATION
 ATTENDANT CHANGES IN REGULATIONS, DEVELOP THE DETAILED OF DECOMMISSIONING
 INFORMATION NEEDED FOR USE IN LICENSING DECISIONS FOR

S T A T U S

FINAL RULE CHANGES WERE AFFIRMED BY THE COMMISSION ON
 MAY 17 1983 AND PUBLISHED IN THE FR ON JUNE 27 1983
 NRC DECOMMISSIONING RESPONSIBILITIES WERE TRANSFERRED

TO NMSS NMSS IS PREPARING THE SPP THE SPP HAS BEEN SENT
 FOR OFFICE CONCURRENCE PRIOR TO SUBMITTAL TO CCRP

AFFECTED DOCUMENTS

- (1) 10 CFR PARTS 50 AND 51 AMENDMENTS.
- (2) REGULATORY GUIDE 1.85 REVISION
- (3) NEW REGULATORY GUIDES ON FINANCIAL ASSURANCE
 TERMINATION SURVEYS AND FORMAT AND CONTENT FOR
 NUCLEAR REACTOR DECOMMISSIONING PLANS
- (4) NEW STANDARD REVIEW PLAN FOR DECOMMISSIONING REVIEW

PROBLEM/RESOLUTION

AN ISSUE WHICH HAS BEEN RAISED IS THE RESPONSIBILITY FOR THE
 REVIEW OF SPENT FUEL MANAGEMENT DURING DECOMMISSIONING

ORIGINAL DATE 08/88
 CURRENT DATE
 ACTUAL DATE 08/88

M I L E S T O N E S

CPRP REVIEW COMPLETED ON DECOMMISSIONING
 RULE 129)

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER B-64

TITLE: DECOMMISSIONING OF REACTORS

M I L E S T O N E S

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
EDD APPROVAL OF DECOMMISSIONING - SECY - 34-354	09/84	--	09/84
COMMISSION APPROVAL OF SECY-84-354	12/84	--	12/84
ISSUANCE OF DRAFT RULE CHANGE FOR PUBLIC COMMENT	--	--	02/85
FORMAT AND CONTENT FOR DECOMMISSIONING	02/84	--	06/85
EXTENDED PUBLIC COMMENT PERIOD ON RULE COMPLETE	07/85	--	07/85
ISSUE TRANSFER MEMO TO AES (SRP)	01/86	--	01/86
REVISE DRAFT RULE INCORPORATING PUBLIC COMMENTS PREPARE FOR RES MANAGEMENT REVIEW	02/86	--	11/86
REVISE DRAFT RULES/PUBLIC COMMENTS REVIEWED AND APPROVED BY CRGR (53)	08/86	--	05/87
FTR TO EDD FOR TRANSMITTAL TO COMMISSION	10/86	--	12/87
FRM OF FINAL RULE	01/87	--	05/88
SRP TO DIVISION FOR REVIEW	05/89	10/91	--
SRP TO CRGR CONCURRENCES	11/90	11/91	--
SRP TO CRGR	02/90	12/91	--
ISSUE SRP CHANGE	04/90	01/92	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER HF 4 4
IDENTIFICATION DATE 01/83C
TASK MANAGER J MACRTEL
TAC NUMBERS
TITLE GUIDELINES FOR UPGRADING OTHER PROCEDURES
PRIORITIZATION DATE 10/84C
OFFICE/DIVISION/BRANCH RES /DSR /HFB
TYPE GSI
ACTION LEVEL ACTIVE
PRIORITY H
STATUS
RESOLUTION DATE 10/82

WORK AUTHORIZATION MEMO FOR H THOMPSON FROM H DENTON DATED 10/1/84
"HUMAN FACTORS PROGRAM PLAN"

CONTRACTOR
FIN
PNL
B2360
B2935
PNL
B2968
PNL
L2005
PNL
L1827

CONTRACT TITLE
DEVELOP GUIDANCE AND REGULATORY ACTION FOR OPS & AOPS
VALVE IMPACT ASSESSMENT OF PLANT OPERATING PROCEDURES
DEVELOP GUIDANCE & REGULATORY ACTION FOR OPS & AOPS
DEVELOP GUIDANCE & REGULATORY ACTION FOR OPS & AOPS
GUIDANCE FOR REVIEW OF PROGRAMS TO UPGRADE PROCEDURE AT NUCLEAR
POWER PLANTS

W O R K S C O P E

RECOMMEND IMPROVEMENTS IN NUCLEAR POWER PLANT
OPERATING PROCEDURES AND DEVELOP AN IMPLEMENTATION
PLAN FOR UPGRADING OPERATING PROCEDURES. NRC
WILL DETERMINE THE AMOUNT OF UPGRADE EFFORT

NECESSARY FOR EACH TYPE OF PROCEDURE BASED ON
A CONTRACTOR INTERIM REPORT AND INDUSTRY
INPUTS WITH RESPECT TO COST AND BENEFITS

S T A T U S

THIS ISSUE WAS TRANSFERRED FROM NRR TO RES WITH THE
4/12/87 NRC REORGANIZATION (4/10/87 MEMO FROM W RUSSELL
TO J SPEIS). CONTRACTOR EFFORT ON FIN B2360/PNL AND
FIN B2968/PNL WERE COMPLETED AT THAT TIME. NUREG/CR 5-
3968 AND -4613 WERE PUBLISHED IN FEBRUARY 1987 AS A
RESULT OF WORK UNDER THESE FINs. REVIEW OF NUREG/
CR 5-3968 AND -4613 PRIOR TO THE NRC REORGANIZATION
INDICATED THE NEED FOR A REGULATORY ANALYSIS OF THIS ISSUE.
NRR AWARDED AN ADDITIONAL CONTRACT TO PNL IN JUNE 1987 TO
CONDUCT THAT ANALYSIS UNDER FIN I-2005. RESPONSIBILITY FOR

THAT CONTRACT WAS TRANSFERRED TO RES BY NOVEMBER 16, 1987
MEMORANDUM FROM L RUTH TO M KALTMAN. A NEW RES TASK
MANAGER WAS ASSIGNED, AND THE SCHEDULE, BUDGET, AND SCOPE
WERE REVISED IN JULY 1988. NUREG/CR 5-458 WAS PUBLISHED IN
DECEMBER 1989. AGREEMENT REACHED WITH NRR TO DEVELOP A
PROCEDURES UPGRADE "GOOD PRACTICES" GUIDE. WORK TO BE
INITIATED FEBRUARY 1991. STATEMENT OF WORK FOR "GOOD
PRACTICES" PROJECT ISSUED MAY 1991. EFFORT EXPANDED BEYOND
NORMAL AND ABNORMAL PROCEDURES, PER NRR, TO INCLUDE PRO-
CEDURES DURING NONPOWER OPERATIONS.

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER HF 1.4 TITLE GUIDELINES FOR UPGRADING OTHER PROCEDURES

AFFECTED DOCUMENTS

POSSIBLE DIVISION TO SRP SECTION 13.5.2

1

M I L E S T O N E S

- PUBLISH FINAL REPORT ON OPERATING PROCEDURES PROJECT AS NUREG/CR
- PUBLISH FINAL REPORT ON PROCEDURES INTERFACE PROJECT AS NUREG/CR
- CONDUCT REGULATORY ANALYSIS FOR OPERATING PROCEDURES, ABNORMAL OPERATING PROCEDURES
- DEVELOP PLAN FOR REGULATORY GUIDANCE
- DEVELOP GUIDANCE FOR REVIEW OF PROGRAMS TO UPGRADE PROCEDURES AT NUCLEAR POWER PLANTS
- CLOSE OUT ISSUE

PROBLEM/RESOLUTION

ALTHOUGH FINAL NUREG/CR WAS PUBLISHED IN DECEMBER 1989, REQUESTS FROM OTHER OFFICES RESULTED IN MAINTAINING THIS ISSUE OPEN PENDING A RESOLUTION OF WHETHER ADDITIONAL EFFORT IS NECESSARY UNDER THIS ISSUE

ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
12/85	--	02/87
05/86	--	02/87
02/87	--	07/89
06/89	--	09/89
08/92	08/92	--
06/89	10/92	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER HF 5.1
IDENTIFICATION DATE 08/83C
TASK MANAGER J WACHTEL
TAC NUMBERS
TITLE LOCAL CONTROL STATIONS
PRIORITY M
RESOLUTION DATE 11/92
OFFICE/DIVISION/BRANCH RES /DSR /HFB
ACTION LEVEL ACTIVE
STATUS
*TYPE GSI

WORK AUTHORIZATION MEMO TO H THOMPSON FROM H DENTON DATED 10/1/84.
" HUMAN FACTORS PROGRAM PLAN"

FIN A3972
CONTRACTOR BNL
CONTRACT TITLE LOCAL CONTROL STATIONS

W O R K S C O P E

THE FIRST GOAL OF THIS WORK IS TO DETERMINE THE RISK TO PUBLIC HEALTH AND SAFETY RESULTING FROM HUMAN ERROR AT LOCAL CONTROL STATIONS WITHIN A NUCLEAR POWER PLANT AND THE COST OF POTENTIAL MODIFICATIONS. THE METHOD TO DETERMINE RISK IS THROUGH THE USE OF PROBABILISTIC RISK ANALYSIS (PRA) FOR PLANNING PURPOSES. WE ASSUME THE RESULTS OF THE

VALUE/IMPACT ANALYSIS WILL REQUIRE ADDITIONAL WORK TO RESOLVE THE LOCAL CONTROL STATIONS ISSUE. THE OBJECTIVE OF THIS WORK IS TO DEVELOP A REGULATORY GUIDE ON LOCAL CONTROL STATIONS AND REVIEW GUIDELINES FOR THE EVALUATION OF LOCAL CONTROL STATIONS.

S T A T U S

BY LETTER DATED DECEMBER 29 1987 THE SOW WAS FORWARDED TO BNL BY LETTER DATED MARCH 25 1988 MRC AUTHORIZED BNL TO BEGIN PROGRAM BNL BEGAN WORK IN MAY.

1988 A DRAFT VALUE/IMPACT REPORT WAS SUBMITTED BY BNL IN FEBRUARY 1989. A REVISED SOW WAS DEVELOPED AND WORK BEGAN APRIL 1990.

AFFECTED DOCUMENTS

- 1 A REGULATORY GUIDE ON LOCAL CONTROL STATIONS REVIEW GUIDELINE FOR THE EVALUATION OF LOCAL CONTROL STATIONS (MODIFICATION OF STANDARD REVIEW PLAN)

PROBLEM/RESOLUTION

NEW TASK MANAGER DUE TO PERSONNEL TRANSFERS ASSIGNED FEBRUARY 1990 MILESTONE DATES SLIPPED DUE TO THE EXPANSION OF THE DEFINITION OF LOCAL CONTROL STATIONS AND THE ADDITION OF WORK TASKS. WORK STOPPED OCTOBER 1 1990 DUE TO BUDGET CONSTRAINTS. WORK RESUMED DECEMBER 1990 EMERGENCY LIGHTING EFFECTS TO BE INCORPORATED IN ANALYSIS. NEW TASK MANAGER ASSIGNED JULY 1991 THERE HAVE BEEN DELAYS IN GAINING SITE ACCESS FOR DATA COLLECTION.

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE LOCAL CONTROL STATIONS

ISSUE NUMBER HF 5.1

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
M I L E S T O N E S			
BEGIN VALUE/IMPACT STUDY OF LOCAL CONTROL STATIONS	02/88	--	05/88
COMPLETE PRELIMINARY VALUE/IMPACT STUDY	07/88	--	02/89
NRC COMPLETE REVIEW OF STUDY RESULTS	09/88	--	02/89
COMPLETE PLANT-SPECIFIC VALUE-IMPACT STUDY FOR EXPANDED LCS DEFINITION	09/90	--	04/91
COMPLETE INDUSTRY-WIDE VALUE-IMPACT STUDY	05/91	02/92	--
COMPLETE DEVELOPMENT OF DRAFT MODIFICATION TO SRP AND DRAFT REGULATORY GUIDE	09/89	05/92	--
ISSUE SRP MODIFICATION AND REG. GUIDE	09/90	11/92	--



RUN DATE 10/03/91

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE REV CRIT FOR HUMAN FACTORS ASPECTS OF ADV CONTROLS AND INSTRUMENT
PRIORITY H
PRIORITIZATION DATE 10/84C TYPE GSI
OFFICE/DIVISION/BRANCH RES /DSP /HEB ACTION LEVEL ACTIVE STATUS:
RESOLUTION DATE 06/92

ISSUE NUMBER HF 5.2

IDENTIFICATION DATE 08/83C

TASK MANAGER J WACHTEL

TAC NUMBERS

WORK AUTHORIZATION MEMO TO H THOMPSON FROM H DENTON DATED 10/1/84
"HUMAN FACTORS PROGRAM PLAN"

FIN CONTRACTOR

CONTRACT TITLE

A3367 CML ANNUNCIATORS

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 AUTO-
MATION 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 INITIATED - REVIEW CRITERIA FOR HUMAN FACTORS ASPECTS
OF ADVANCED CONTROL AND INSTRUMENTATION. - F.I.N B0852.
ADDRESSES THESE ISSUES
THE GOAL OF THIS WORK IS TO DETERMINE THE RISK TO
PUBLIC HEALTH AND SAFETY RESULTING FROM HUMAN ERROR IN THE

W O R K S C O P E

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 TTC 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
MUREG ON ANNUNCIATORS. MPR WILL INCORPORATE RESULTS OF THIS
WORK IN THEIR MODIFICATIONS TO THE STANDARD REVIEW PLAN.

S T A T U S

BY LETTER DATED DECEMBER 29 1987. THE SOW FOR THE VALUE-
IMPACT STUDY WAS FORWARDED TO BNL. PROJECT AND BUDGET
PROPOSAL FOR MRC WORK. MRC FORM 1891 RECEIVED MARCH 7, 1988

BNL BEGAN WORK IN APRIL 1988. VALUE/IMPACT STUDY WAS
COMPLETED IN NOVEMBER 1988. ALARM REDUCTION STUDY BEGAN
OCTOBER 1990

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER HF 5.2 TITLE: REV. CRIT FOR HUMAN FACTORS ASPECTS OF ADV CONTROLS AND INSTRUMENT

AFFECTED DOCUMENTS

- (1) STANDARD REVIEW PLAN (BY NRR)
- (2) NUREG ON ALARM REDUCTION TECHNIQUE

PROBLEM/RESOLUTION

189 RECEIVED FROM CONTRACTOR ON 3/7/88 CAUSING 2 MONTH SLIP
 NEW TASK MANAGER ASSIGNED FEBRUARY 1990 DUE TO REVISED
 NEEDS FROM NRR AS A RESULT OF D/PDR COMMITMENTS. THE UTILITY
 OF THE PRESENT COURSE IS BEING REASSESSED. WORK STOPPED
 OCTOBER 1 1990 DUE TO BUDGET CONSTRAINTS. WORK RESUMED
 JANUARY 1991 BUT HAS EXPERIENCED DELAYS DUE TO GAINING SITE
 ACCESS FOR DATA COLLECTION

M I L E S T O N E S

- BEGIN VALUE/IMPACT STUDY OF ANNUNCIATORS
- COMPLETE VALUE/IMPACT STUDY
- NRC COMPLETES REVIEW OF STUDY RESULTS
- ISSUE SOW FOR ALARM REDUCTION EVALUATION
- BEGIN ALARM REDUCTION STUDY
- COMPLETE ALARM REDUCTION STUDY
- TRANSFER ISSUE TO NRR FOR REVISION TO SRP

ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
02/88	--	04/88
07/88	--	10/88
09/88	--	11/88
11/88	--	01/89
01/89	--	03/89
11/89	06/92	--
11/91	06/92	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER I D 3
IDENTIFICATION DATE 05/80C
TASK MANAGER TBD
TAC NUMBERS
TITLE SAFETY SYSTEM STATUS MONITORING
PRIORITIZATION DATE 11/83C
OFFICE/DIVISION/BRANCH RES /DSIR/RPSI
ACTION LEVEL ACTIVE
STATUS
RESOLUTION DATE

WORK AUTHORIZATION PMI ACTION PLAN NUREG-0660

CONTRACTOR
FIN
B23F0
CONTRACT TITLE
VERIFICATION, SYSTEM STATUS, AUTOMATIC VS MANUAL

W O R K S C O P E

PNL HAS REVIEWED THE EFFECTIVENESS OF SYSTEMS AND PROCEDURES RELATED TO SAFETY SYSTEM STATUS MONITORING AND HAS RECOMMENDED A REGULATORY POSITION ON THIS ISSUE. PNL FINDINGS INDICATE THAT A REVISION OF R.G. 1.47 IS

NECESSARY AND FURTHER THAT THIS NEW REVISION SHOULD BE APPLIED TO ALL PLANTS BASED ON THE PNL RECOMMENDATIONS. DHFS TRANSFERRED RESPONSIBILITY FOR THIS ISSUE TO RES (REVISE R.G. 1.47)

S T A T U S

ALL TECHNICAL REPORTS ON THIS ISSUE ARE COMPLETE. THE PROJECT FINAL REPORT INCLUDES GUIDELINES FOR IMPROVING SYSTEM STATUS MONITORING AS WELL AS THE FINAL RECOMMENDATION OF PNL ON A REGULATORY POSITION. THEIR RECOMMENDATION IS TO REVISE R.G. 1.47 AND APPLY IT TO ALL PLANTS. STAFF PROPOSES TO APPLY NEW REQUIREMENTS FOR FUTURE PLANTS ONLY. COMPLIANCE BY DL'S WILL BE VOLUNTARY.

A DRAFT OF THE PROPOSED REVISION 1 TO R.G. 1.47 WAS DISTRIBUTED IN JULY 87 FOR STAFF REVIEW. A MEETING WAS HELD ON SEPTEMBER 23, 1987 TO RESOLVE NRR HUMAN FACTORS ASSESSMENT BRANCH) PERTAINING TO PROPOSED REVISION 1. STAFF CONSENSUS IS, HOWEVER, NOT REACHED. RESPONSIBILITY HAS BEEN TRANSFERRED TO NRR/DLPO AND RES/RPSIB. NO RESOURCES ASSIGNED.

AFFECTED DOCUMENTS

REVISION TO R.G. 1.47

PROBLEM/RESOLUTION

THE TECHNICAL RESOLUTION OF THIS ISSUE WILL BE THE DEVELOPMENT OF AN INFORMATION NOTICE

M I L E S T O N E S

COMPLETE DRAFT REPORT OF CURRENT INDUSTRY PRACTICES

ORIGINAL DATE 06/82
CURRENT DATE
ACTUAL DATE 06/82

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER I D 3 TITLE SAFETY SYSTEM STATUS MONITORING

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
SUBMIT PRELIMINARY RECOMMENDATION FOR REGULATORY POSITION	09/82	--	09/82
SUBMIT TECH REPORT ON EFFECTIVENESS OF EXISTING SYSTEMS	11/82	--	11/82
SUBMIT REPORT ON EFFECTIVENESS OF VERIFICATION PROCEDURES	12/82	--	12/82
SUBMIT DRAFT ACCEPTANCE CRITERIA	04/83	--	04/83
SUBMIT DRAFT GUIDELINES FOR "INTERIM" IMPROVEMENT	07/83	--	07/83
SUBMIT PROGRAM PLAN FOR DEVELOPING "FULL IMPLEMENTATION" GUIDELINES	09/83	--	11/83
SUBMIT FINAL RECOMMENDATIONS FOR REGULATORY POSITION	09/83	--	02/84
COMPLETE DRAFT MEMO TRANSFERRING ISSUE TO RES	06/84	--	06/84
TRANSFER MEMO APPROVED BY DO'S	07/84	--	10/84
TRANSFER MEMO TO RES APPROVED BY NRR DIRECTOR	08/84	--	10/84
RES PROVIDED MILESTONE NECESSARY TO COMPLETE ISSUE AND OUTLINED PROBLEMS WITH ISSUING REG GUIDE REVISION	09/84	--	04/85
ISSUED MEMO FOR PROVIDING MILESTONES	11/85	--	11/85
PREPARE TASK CONTROL FORM (TCF)	10/85	--	03/86
OBTAIN TCF APPROVAL	10/85	--	05/86
RES PROVIDES NEW MILESTONE DATES NECESSARY TO RESOLVE ISSUE	05/86	--	01/87

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER I D.3

TITLE: SAFETY SYSTEM STATUS MONITORING

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
INITIAL DRAFT COMPLETE (INFO COPY TO CRGR/ACRS)	10/85	--	07/87
DIVISION REVIEW COMPLETE	10/85	TBD	--
DEVELOP REGULATORY ANALYSIS	03/86	TBD	--
OFFICE CONCURRENCE OF CRGR PACKAGE	02/88	.80	--
CRGR, EDO, ACRS, REVIEW/APPROVAL (29)	07/86	TBD	--
RESOLUTION OF COMMENTS	09/86	TBD	--
PRINTING & DISTRIBUTION AUTHORIZED	09/86	TBD	--
PRINTED & ISSUED FOR COMMENT	10/86	TBD	--
COMMENT PERIOD	01/87	TBD	--
RESOLUTION OF COMMENTS	02/87	TBD	--
DIVISION OF ELD REVIEW COMPLETE	04/87	TBD	--
CRGR REVIEW COMPLETE (53)	07/87	TBD	--
ACRS REVIEW COMPLETE	07/87	TBD	--
RESOLUTION OF COMMENTS	09/87	TBD	--
OFFICE CONCURRENCE OBTAINED	10/87	TBD	--
PRINTED AND ISSUED	12/87	TBD	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER I 0 513;
IDENTIFICATION DATE 05/700
TASK MANAGER W FARMER
TAC NUMBERS NONE
TITLE ON-LINE REACTOR SURVEILLANCE SYSTEMS
PRIORITIZATION DATE 11/83C
OFFICE/DIVISION/BRANCH RES /DE /EMER
ACTION LEVEL ACTIVE
TYPE GSI
STATUS NR
RESOLUTION DATE 01/92
PRIORITY
STATUS NR
RESOLUTION DATE 01/92

WORK AUTHORIZATION THE ACTION PLAN, NUREG-0660

CONTRACTOR
DRNL
CONTRACT TITLE
CONTINUOUS ON-LINE REACTOR NOISE SYSTEM EVALUATIONS

W O R K S C O P E

THE OBJECTIVE OF THIS REPORT IS TO PERFORM RESEARCH TO DETERMINE THE FEASIBILITY OF DETECTING AND DIAGNOSING NUCLEAR POWER PLANT OPERATING ANOMALIES USING A CONTINUOUS

ON-LINE NOISE SURVEILLANCE SYSTEM AND TO PERFORM DEMONSTRATIONS OF SUCH A SYSTEM IN AN NRC-LICENSED COMMERCIAL BWR PLANT

S T A T U S

A DEMONSTRATION OF SYSTEM FEASIBILITY AT AN OPERATING PWR (SEGOYAH UNIT 2) HAS BEEN COMPLETED. THE SURVEILLANCE INSTRUMENT SYSTEM WAS INSTALLED AT THE PEACH BOTTOM UNIT 2. DUE TO THE LONG OUTAGE AT PEACH BOTTOM (24 MONTHS) THE EXPERIMENT WAS TERMINATED AND THE EQUIPMENT REMOVED AND PLACED IN STORAGE AT DRNL. IT IS BELIEVED THAT SUFFICIENT DATA IS AVAILABLE FROM

THE ON-LINE SURVEILLANCE MEASUREMENT TESTS AT THE SEGOYAH UNIT 2 PWR IN 1983/84 PLUS AVAILABLE NOISE DATA FROM MEASUREMENTS AT THE BROWNS FERRY BWR TO DEVELOP AN ACCEPTABLE EVALUATION OF THE ON-LINE SURVEILLANCE SYSTEM. A RIL SUMMARIZING THE RESEARCH RESULTS IS IN PREPARATION. CLOSE OUT OF THIS G.I. IS NOW SCHEDULED FOR 01/92

AFFECTED DOCUMENTS

NONE

PROBLEM/RESOLUTION

A RIL WILL BE PREPARED SUMMARIZING THE CONCLUSIONS AND RECOMMENDATIONS FROM THE RESEARCH ON THIS ACTION ITEM

M I L E S T O N E S

INSTALL SYSTEM AT A PWR

ORIGINAL DATE
CURRENT DATE
ACTUAL DATE 09/80

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE ON-LINE REACTOR SURVEILLANCE SYSTEMS

ISSUE NUMBER I D 5(3)

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
COMPLETE PWR DATA ACQUISITION	06/84	--	91/84
INSTALL SYSTEM AT A dWR	04/84	--	06/85
REMOVAL OF SYSTEM FROM PEACH BOTTOM	12/88	--	04/89
ISSUE P1L TO NRR WITH CONCLUSIONS AND RECOMMENDATIONS	09/88	12/91	--
ISSUE CLOSE OUT	12/88	01/92	--

RUN DATE 10/03/91

PAGE 00

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER I D 5151
 IDENTIFICATION DATE 05/80C
 TASK MANAGER L BELTRACCHI
 TAC NUMBERS

TITLE: DISTURBANCE ANALYSIS SYSTEMS
 PRIORITY LI
 ACTION LEVEL ACTIVE
 STATUS 5
 RESOLUTION DATE 08/91

WORK AUTHORIZATION TMI ACTION PLAN, NUREG-0660

CONTRACTOR
 ORNL

CONTRACT TITLE
 REV CRIT FOR HUMAN FACTORS ASPECTS OF ADVANCED CONTROLS & INSTRUM

W O R K S C O P E

THOSE FACETS OF THE DISTURBANCE ANALYSIS SYSTEM (DAS) DEALING WITH UPSET DIAGNOSIS AND REMEDIAL ACTION ARE BASED ON DETAILED LOGIC MODELS THAT TRACE THE TIME-DEPENDENT CONSEQUENCES OF COMPONENT FAILURES. THE DIFFICULTIES IN GENERATING AND VERIFYING THE ACCURACY OF THE LOGIC MODELS MUST BE OVERCOME BEFORE APPLYING A DAS TO A COMMERCIAL REACTOR ON A TOTAL PLANT BASIS

S T A T U S

BY MEMORANDUM DATED DECEMBER 12, 1987 (FOR THEMIS P SPEIS FROM BRIAN W. SHERON SUBJECT: RECOMMENDED CONVERSION OF GENERIC ISSUES TO RESEARCH ISSUES) SPEIS ACROSS WITH THE DIVISION OF REACTOR AND PLANT SYSTEMS RECOMMENDATION THAT THIS ISSUE BE RECLASSIFIED AS A RESEARCH ISSUE. THE REASON GIVEN FOR THE RECOMMENDATION IS THE NEED FOR SPECIFIC RESEARCH TO DETERMINE IF A SAFETY PROBLEM EXISTS IN THIS AREA. A CURRENTLY FUNDED RESEARCH PROJECT, FIN 0852, REVIEW CRITERIA FOR HUMAN FACTORS ASPECTS OF ADVANCED CONTROLS AND INSTRUMENTATION WILL EVALUATE DISTURBANCE ANALYSIS SYSTEMS ALONG WITH OTHER ADVANCED TECHNOLOGIES SUCH AS COMPUTER-BASED OPERATOR AIDS AND ARTIFICIAL INTELLIGENCE. THIS ISSUE WILL CONTINUE TO BE TRACKED AS A LICENSING ISSUE TO FOLLOW THE RESEARCH WORK FINAL REPORT TO BE ISSUED. HUMAN FACTORS ISSUES ASSOCIATED WITH ADVANCED INSTRUMENTATION AND CONTROLS TECHNOLOGIES IN NUCLEAR PLANTS. NUREG/CP-5439. FINAL REPORT ISSUED. CLOSE OUT MEMO TO BE PREPARED.

AFFECTED DOCUMENTS

PROBLEM/RESOLUTION

NONE

NONE

RUN DATE 10/03/91

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE: DISTURBANCE ANALYSIS SYSTEMS

ISSUE NUMBER I D 5151

ACTUAL DATE	06/90
-----	-----

ORIGINAL DATE	06/89
-----	-----

CURRENT DATE	10/91
-----	-----

M I L E S T O N E S

 FINAL REPORT FROM CONTRACTOR ON RESULTS OF
 SURVEY ON HUMAN FACTORS OF ADVANCED CONTROLS/
 INSTRUMENTATION

CLOSE OUT ISSUE

GENERIC IS THE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER II B 5111 TITLE: BEHAVIOR OF SEVERELY DAMAGED FUEL
 IDENTIFICATION DATE 05/80C PRIORITY
 TASK MANAGER F ELTAMILA OFFICE/DIVISION/BRANCH R63 JDSM /AEB ACTION LEVEL ACTIVE STATUS 5
 TAC NUMBERS RESOLUTION DATE 07/91C

WORK AUTHORIZATION IMI ACTION PLAN NUREG-0660

CONTRACT T. LE

FIN NONE
 NAME NONE

WORK SCOPE

ISSUES II B 5111 AND II B 5121 ARE BEING RESOLVED TOGETHER. RESEARCH IS BEING PERFORMED ON PHENOMENA ASSOCIATED WITH CORE DEGRADATION, FUEL MELTING, AND EX-VESSEL PHENOMENA. CONDUCT AN EXTENSIVE EXPERIMENTAL AND ANALYTICAL PROGRAM ON THE BEHAVIOR OF DAMAGED FUEL, HYDROGEN GENERATION AND CONTROL, FUEL STRUCTURE INTERACTION.

CORRELATION ANALYSIS AND FISSION PRODUCT RELEASE AND TRANSPORT AS DESCRIBED IN DETAIL IN SECY-89-123. THIS PROGRAM INVOLVES BOTH IN-PILE AND OUT-OF-PILE TESTS WITH ACTUAL AND SIMULATED CORE AND REACTOR STRUCTURAL MATERIALS AND THE DEVELOPMENT CODES TO MODEL THE PHENOMENA EXPECTED IN THE REACTOR.

STATUS

THE STAFF PROVIDED FOR COMMISSION CONSIDERATION A DESCRIPTION OF ITS REVISED SEVERE ACCIDENT RESEARCH PROGRAM (SARP) IN SECY-89-123, APRIL 20, 1989. A DESCRIPTION OF THE SARP WAS SUBSEQUENTLY PUBLISHED IN NUREG-1365. THE REVISED SARP IS INTENDED TO GUIDE THE FORMULATION AND CONDUCT OF SEVERE ACCIDENT RESEARCH BY ADDRESSING, IN THE NEAR-TERM, THOSE ISSUES PERTINENT TO THE IMPLEMENTATION OF THE INTEGRATION PLAN FOR CLOSURE OF SEVERE ACCIDENT ISSUES (SECY-88-147). WITH PRIMARY EMPHASIS ON ISSUES ASSOCIATED WITH ACCIDENT SCENARIOS THAT LEAD TO EARLY CONTAINMENT FAILURE WHILE THE PRIMARY FOCUS OF THE SARP IS ON THOSE ISSUES WHICH DOMINATE RISK FOR NUCLEAR POWER PLANTS, THE SARP ALSO INCLUDES ELEMENTS OF OUR LONG-TERM RESEARCH PLAN. LONG-TERM RESEARCH IS DIRECTED AT IMPROVING OUR UNDERSTANDING OF THE RANGE OF PHENOMENA EXHIBITED BY SEVERE ACCIDENTS AND DEVELOPING IMPROVED METHODS FOR ASSESSING FISSION PRODUCT BEHAVIOR AND THEIR AVAILABILITY FOR RELEASE IN THE EVENT OF CONTAINMENT FAILURE AT VARIOUS PHASES OF SEVERE ACCIDENT SCENARIOS.

THE NEAR-TERM GOALS OF THE REVISED SARP, AS STATED IN NUREG-1365, ARE:

1. PROVIDE THE TECHNOLOGICAL BASE FOR ASSESSING CONTAINMENT PERFORMANCE OVER THE RANGE OF RISK-SIGNIFICANT CORE MELT EVENTS
2. DEVELOP THE CAPABILITY TO EVALUATE THE EFFICACY OF GENERIC CONTAINMENT PERFORMANCE IMPROVEMENTS
3. PROVIDE AN IMPROVED UNDERSTANDING OF THE RANGE OF PHENOMENA EXHIBITED BY SEVERE ACCIDENTS THAT INCLUDES THE IMPACTS OF GENERIC ACCIDENT MANAGEMENT SCHEMES
4. DEVELOP IMPROVED METHODS FOR ASSESSING FISSION PRODUCT BEHAVIOR AND AVAILABILITY FOR RELEASE IN THE EVENT OF CONTAINMENT FAILURE AT VARIOUS PHASES OF SEVERE ACCIDENT SCENARIOS

REACTOR RISK REFERENCE DOCUMENT NUREG-1150, DRAFT FOR COMMENT WAS MAILED OUT IN MARCH 1987 TO OVER 900 NRC, INDUSTRY, UNIVERSITY, AND FOREIGN ADDRESSEES. THE COMMENT PERIOD ENDED ON 08/21/87. MEANWHILE, RISK ANALYSIS OF A

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 11 D 1(1) TITLE BEHAVIOR OF SEVERELY DAMAGED FUEL

S T A T U S

SIXTH PLANT (LASALLE) IS UNDERWAY AND EXTERNAL EVENTS ANALYSIS OF TWO OF THE FIRST FIVE PLANTS WILL BE DONE. LASALLE STUDY WILL BE PUBLISHED SEPARATELY FROM NUREG-1150. THIS GENERIC ISSUE WILL BE CLOSED OUT IN A LETTER TO EDO1. AND ITS RESOLUTION WILL CONTINUE IN ACCORD WITH SECY-88-14F IN SUPPORT OF SEVERE ACCIDENT POLICY STATEMENT IMPLEMENTATION AND THE SEVERE ACCIDENT PLAN IN ACCORDANCE WITH A

MEMO FOR T. SPEIS FROM R. HOUSTON WAS DETERMINED TO BE WITHIN THE RESEARCH AND WAS TRACKED AS A RESEARCH WORK IN JULY 1991. SARP LONG TERM ISSUE 12 AND HYDROGEN GENERATION

AFFECTED DOCUMENTS

- (1) NUREG-0956 REASSESSMENT OF TECHNICAL BASES FOR LWR ACCIDENT SOURCE TERM (JULY 1986)
- (2) NUREG-1150 NEW RISK PROFILES FOR FIVE REFERENCE PLANTS (DRAFT FOR COMMENT FEBRUARY 1987)
- (3) SECY-86 369 - PLAN TO ADDRESS SOURCE TERM TECHNICAL UNCERTAINTY AREAS

NONE

PROBLEM/RESOLUTION

ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
01/83	--	01/83
08/83	--	01/84
12/84	--	02/85
12/83	--	07/85
11/85	--	07/85
12/86	--	12/86
12/83	--	03/87

M I L E S T O N E S

- INITIAL DRAFT CONTRACTOR SOURCE TERM REPORT
- SOURCE TERM ESTIMATES FOR SELECTED PLANTS AND ACCIDENT SEQUENCES
- THROUGH PEER REVIEW OF THE ABOVE SCIENTIFIC BASES FOR REASSESSMENT
- DRAFT REASSESSMENT OF THE TECHNICAL BASES FOR ESTIMATING SOURCE TERMS (NUREG-0956)
- NRC SEVERE ACCIDENT POLICY COMPLETE DTR
- SEVERE ACCIDENT RISK REBASELINING PROGRAM DRAFT REPORT (NUREG-1150)

RUN DATE 10/03/91
PAGE 98

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER II D 5(1)

TITLE BEHAVIOR OF SEVERELY DAMAGED FUEL

ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
07/86		07/86
07/91		07/91

M I L E S T O N E S

FINAL REASSESSMENT OF THE TECHNICAL BASES FOR
ESTIMATING SOURCE TERMS (NUREG-0956)
INTEGRATED INTO SARP LONG-TERM ISSUE L2

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 11 B 5121 TITLE BEHAVIOR OF CORE-MELT
IDENTIFICATION DATE 05/80C PRIORITY LI
TASK MANAGER F ELTAWILA OFFICE/DIVISION/BRANCH RES /OSR /AEB ACTION LEVEL ACTIVE STATUS 5
TAC NUMBERS RESOLUTION DATE 07/91C

WORK AUTHORIZATION TMI ACTION PLAN NUREG-0660

CONTRACTOR NONE CONTRACT TITLE
NONE NONE

W O R K S C O P E

SEE SCHEDULE FOR RESOLVING ISSUE 11 B 511

S T A T U S

IN ACCORDANCE WITH A MEMO D T SPEIS FROM R HOUSTON
ON 11/2/87 THIS ISSUE WAS DETERMINED TO BE WITHIN THE REALM
OF SEVERE ACCIDENT RESEARCH AND WAS TRACKED AS A LICENSING
ISSUE TO FOLLOW THE RESEARCH WORK IN JULY 1991 DSR
INTEGRATED THE ISSUE INTO SARP LONG TERM ISSUE L2 - IN-
VESSEL CORE MELT PROGRESSION AND HYDROGEN COMBUSTION

AFFECTED DOCUMENTS

SEE ISSUE 11 B 511

PROBLEM/RESOLUTION

*** N O N E ***

M I L E S T O N E S

ORIGINAL DATE CURRENT DATE ACTUAL DATE

SEE ISSUE 11 B 511

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 11 B 5(3) TITLE: EFFECT OF HYDROGEN COMBUSTION ON CONTAINMENT STRUCTURES
IDENTIFICATION DATE: 05/80C PRIORITY: 11
TASK MANAGER: F ELTAWILA OFFICE/DIVISION/BRANCH: RES /DSR /AEB ACTION LEVEL: ACTIVE STATUS: 5
TAC NUMBERS: RESOLUTION DATE: 07/91C

WORK AUTHORIZATION: TMI ACTION PLAN: NUREG-0600

FIN	CONTRACTOR	CONTRACT TITLE
A1246	SNL	HYDROGEN BEHAVIOR PROGRAM
A1270	SNL	HYDROGEN BURN SURVIVAL
A1336	SNL	HYDROGEN MIXING STUDIES
A1237	SNL	HYDROGEN MITIGATION AND PREVENTIVE SCHEMES
68208	SNL	HYDROGEN COMBUSTION AND CONTROL DEMO EXPER

W O R K S C O P E

EXPERIMENTAL AND ANALYTICAL PROGRAM TO PROVIDE THE NRC WITH A DATA BASE TO ASSESS THE THREAT POSED BY HYDROGEN DURING THE LATE PHASE OF AN ACCIDENT AND HOW NEARLY COMPLETE BURNING OF HYDROGEN POSITUATED LWR ACCIDENTS THIS WORK WILL PROVIDE AN IMPROVED UNDERSTANDING IN THE AREAS OF DEFLECTIONS, GLOBAL AND LOCAL DETONATIONS, FLAME ACCELERATION AND TRANSITION FROM DEFLECTION TO DETONATION (DOT), THE EFFECT OF BURNING ON EQUIPMENT, AND THE EFFICIENCY OF HL CONTROL SYSTEMS

S T A T U S

THE EXPERIMENTAL AND ANALYTICAL PROGRAMS TO ADDRESS CONDITIONS OF UNIFORM MIXTURES AT LOW TEMPERATURES (100 C) DURING THE LATE PHASE OF AN ACCIDENT ARE NOW NEARLY COMPLETE AND OUR UNDERSTANDING OF HYDROGEN BEHAVIOR HAS GREATLY IMPROVED SINCE THE ACCIDENT AT TMI-2. BASED ON THESE RESULTS, MODELS AND COMPUTER CODES HAVE BEEN DEVELOPED, ASSESSED, AND USED FOR NUCLEAR POWER PLANT APPLICATIONS. ANALYTICAL TOOLS ARE NOW AVAILABLE TO PREDICT CLIMATE LOADS FROM THE DEFLECTIONS IN COMBUSTION MODES ON THE CORE MANAGER APPROPRIATE MODELS DO NOT EXIST TO PREDICT THE CLIMATE AND CONSEQUENCES OF DIFFERENT FORMS OF COMBUSTION THAT MIGHT OCCUR FOR THE EARLY PHASE OF AN ACCIDENT IN WHICH NEARLY PURE MIXTURES EXIST AT VERY HIGH TEMPERATURES AND STEAM CONCENTRATIONS. A CONCEPTUAL DESIGN NOW EXISTS THAT COULD BE USED TO ADDRESS HIGH TEMPERATURE (600 C) HYDROGEN BEHAVIOR. THIS PROGRAM SUPPORTS THE REVISED SEVERE ACCIDENT RESEARCH PLAN (NUREG-1203) AND THE INTEGRATION PLAN FOR CLOSURE OF SEVERE ACCIDENT ISSUES (SCY-88-147) IN ACCORDANCE WITH A MEMO FROM R. HOGGSON TO J. SPEIS (11/04/87). THIS ISSUE WAS DETERMINED TO BE WITHIN THE REALM OF SEVERE ACCIDENT RESEARCH AND WAS TRADED AS A LICENSING ISSUE IN JULY 1991. DSR INTEGRATED THE ISSUE INTO SWAP LONG TERM ISSUE 13, "HYDROGEN TRANSPORT AND COMBUSTION."

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE EFFECT OF HYDROGEN COMBUSTION ON CONTAINMENT STRUCT 5

ISSUE NUMBER 1. B 513

PROBLEM/RESOLUTION

AFFECTED DOCUMENTS

SEVERE ACCIDENT RESEARCH PLAN INHERS-8000 REV 1 (4/85),
 REVISED SEVERE ACCIDENT RESEARCH PLAN INHERS-18851,
 INTEGRATION PLAN FOR CLOSURE OF SEVERE ACCIDENTS
 (SOS-83-147)

REFERENCES

- REVIEW OF GRAND GULF PLANT HYDROGEN MONITOR SYSTEM
- ANALYSIS OF SEQUOIA PLANT
- ANALYSIS OF HYDROGEN AND STEAM RELEASES TO CONTAINMENT DURING CLERGED PIPE COOLING ACCIDENTS
- HYDROGEN BURN OCCUPANT SURVIVAL REPORT FOR ICE CONDENSER
- HYDROGEN COMBUSTION EXPERIMENTAL IN FITS FACILITY
- REPORT ON POSSIBILITY OF LOCAL DETON
- UNCERTAINTY PAPER ON H2 COMBUSTION
- MARCH-HECTR ANALYSIS OF SELECTED ACCIDENT IN AN ICE-CONDENSER CONTAINMENT
- HECTR VERSION 1.0
- HECTR VERSION 1.5
- HYDROGEN STEAM JET FLAME FACILITY AND EXPERIMENTS
- REPORT ON DETONATION EXPERIMENTS SERIES 1

NONE

ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
10/83		03/83
09/83		02/84
02/82		02/84
09/83		11/84
12/86		12/86
01/84		01/87
05/87		05/87
12/84		02/85
02/85		02/85
04/86		04/86
02/85		02/85
09/87		06/87

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 11 B 5431 TITLE EFFECT OF HYDROGEN COMBUSTION ON CONTAINMENT STRUCTURES

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-----	M I L E S T O N E S	-----	-----	-----
-----	-----	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
NTS DATA ANALYSIS DIFFUSION FLAMES		08/87	--	08/87
NTS DATA ANALYSIS FOR CONTINUOUS INJECTION TESTS		05/85	--	11/87
EFFECTIVENESS OF NONPOWDERED IGNITORS (INREG/CR-5086)		09/86	--	01/88
HECTR/MAAP COMPARISON		08/88	--	08/88
NTS H2 DEMONSTRATION TEST REPORT		03/84	--	10/88
NTS DATA ANALYSIS FOR PREMIXED TESTS		05/85	--	11/88
LARGE SCALE FLAME ACCELERATION TESTS REPORT (INREG/CR-5275)		05/84	--	04/89
A SUMMARY OF OPEN-AIR DETONATION EXPERIMENTS (INREG/CR-4961)		05/89	--	05/89
FLAME ACCELERATION STUDIES IN MINI-FLAME (LANG89-0852)		07/89	--	07/89
EFFECT OF SPRAYS ON IGNITORS REPORT (INREG/CR-5079)		09/83	--	06/89
HECTR VERSION 1 B (MERGE WITH CONTAIN PROGRAM)		09/87	--	09/89
HECTR-MAAP COMPARISON PART II (INREG/CR-5215)		10/89	--	10/89
EFFECT OF H2 BURNS IN AEROSOLS SCOPING STUDY REPORT (LACE-TR-055)		10/83	07/91	--
REPORT ON DETONATION EXPERIMENTS SERIES II		05/87	07/91	--
CLOSE OUT ISSUE - LOW TEMPERATURE		11/91	07/91	--
CLOSE OUT ISSUE - HIGH TEMPERATURE		09/95	09/95	--

RUN DATE 10/03/91

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER 11 H 2 TITLE DRYIN DATA ON CONDITIONS INSIDE TMI-2 CONTAINMENT
 IDENTIFICATION DATE 05/80C PRIORITY DATE 11/83C PRIORITY W
 TASK MANAGER A RUBIN OFFICE/DIVISION/BRANCH RCS /D5P /AEB ACTION LEVEL ACTIVE STATUS
 TAG NUMBERS RESOLUTION DATE 06/93

WORK AUTHORIZATION TMI ACTION PLAN MUREG-D-680

CONTRACT TITLE

CONTRACTOR

FIN
 A2206 ANL
 88892 ILLC
 02072 MPR

TMI-2 CORE EXAMINATION
 TMI-2 LOWER HEAD COMPANION SAMPLE EXAM X ANALYSIS
 TEST SPECIMENS FROM DAMAGED TMI-2 REACTOR BOTTOM HEAD

W O R K S C O P E

NRC HAS COOPERATED WITH DOE AND INDUSTRY ON RESEARCH AND DATA-GATHERING PROGRAMS WITHIN THE TMI-2 CONTAINMENT THESE PROGRAMS CONCENTRATE ON RETRIEVING DATA WHICH CHARACTERIZE THE PROGRESSION OF THE ACCIDENT AND THE RESULTING RADIOLOGICAL SOURCE TERM PRIOR TO CY88. NRC PRIMARILY PROVIDES TECHNICAL EXPERTISE AND HOT-CELL EXAMINA-

TION OF CORE MATERIALS. THE PROGRAMS WERE GENERALLY CARRIED OUT WITH FUNDS FROM DOE AND OTHERS EARLY IN CY88. NRC INITIATED ITS OWN COOPERATIVE PROGRAM TO EXAMINE THE DAMAGED BOTTOM HEAD PRESSURE VESSEL WALL SPECIMENS, INSTRUMENT TUBE PENETRATIONS, GUIDE TUBE SPECIMENS, AND BOTTOM HEAD ONCE MOLTEN DEBRIS SPECIMENS ARE TO BE REMOVED AND ANALYZED.

S T A T U S

PRIOR EFFORTS CONCENTRATED ON TMI-2 CORE EXAMINATION BOTH ON-SITE AND OFF-SITE. CORE EXAMINATIONS INDICATE A LARGE FLOW OF MOLTEN MATERIAL (MORE THAN 15 TONS) INTO THE LOWER PLENUM AFTER THE ACCIDENT HAD BEEN IN PROGRESS FOR ABOUT 225 MINUTES. L2F HAD NOT BEEN OBTAINED FOR THE ADDITIONAL RESEARCH TO EXAMINE THE EFFECTS OF THIS MOLTEN MATERIAL ON THE VESSEL BOTTOM AND VESSEL COMPONENTS. THE CHAIRMAN INDICATED THAT HE BELIEVED THIS EXAMINATION TO BE VERY IMPORTANT. NRC ASKED DOE TO PERFORM THE EXAMINATION BUT DOE DECLINED. NRC INITIATED A COOPERATIVE PROGRAM JANUARY 15, 1988. LPR1 AND 16 OECD-NEA COUNTRIES PARTICIPATED. THE SAMPLING EFFORT WAS COMPLETED ON MARCH 1, 1990.

FIFTEEN PRESSURE VESSEL WALL SAMPLES, 14 INSTRUMENT TUBE PENETRATIONS, AND 2 GUIDE TUBE SPECIMENS WERE OBTAINED. NATIONAL LABORATORIES ARE BEING UTILIZED TO EXAMINE AND ANALYZE THE SPECIMENS. IN APRIL 1991, THE MANAGEMENT BOARD OF THE JOINT OECD TMI VESSEL INSPECTION PROGRAM VOTED TO EXTEND THE PROGRAM FOR A PERIOD OF 18 MONTHS BEYOND THE ORIGINAL PROGRAM. THE EXTENDED PROGRAM INCLUDES DETAILED TESTING AND EXAMINATION OF ALL THE VESSEL NOZZLE AND GUIDE TUBE SAMPLES EXTRACTED FROM TMI-2. A SCOPING ANALYSIS OF POTENTIAL REACTOR VESSEL FAILURE MODES AND MARGIN TO FAILURE WILL BE PERFORMED.

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE OBTAIN DATA ON CONDITIONS INSIDE TMI-2 CONTAINMENT

ISSUE NUMBER 11 H 2

AFFECTED DOCUMENTS	PROBLEM/RESOLUTION	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
NONE	NONE	04/83	--	10/84
M I L E S T O N E S		07/83	--	07/84
REVISED CORE EXAMINATION PLAN (ODE RESPONSIBILITY)		07/85	--	05/85
HEAD REMOVAL		10/85	--	12/85
PLENUM REMOVAL		12/85	--	02/86
BEGIN DEFUELING		07/86	--	03/87
REVISE CORE EXAMINATION PLAN		12/88	--	03/90
CORE DRILLING		06/87	--	05/90
LOWER HEAD SAMPLE REMOVAL		06/90	03/83	--
COMPLETE DEFUELING		12/90	06/83	--
SAMPLE EVALUATION AND ANALYSIS REPORT				
SUMMARY ANALYSIS				

RUN DATE 10/03/91

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GENERIC ISSUE MANAGEMENT CONTROL STEM

ISSUE NUMBER II J 4 1
IDENTIFICATION DATE 05/80C
TASK MANAGER W JONES
TAC NUMBERS

TITLE REVISE DEFICIENCY REPORTING REQUIR

PRIORITIZATION DATE 11/83C

OFFICE/DIVISION/BRANCH AE00/SPDV/SPRO

E SSI

ACTION LEVEL ACTIVE

PRIORITY

STATUS NR

RESOLUTION DATE 07/91C

WORK AUTHORIZATION TMI ACTION PLAN NUREG-0660

CONTRACT TITLE

FIN CONTRACTOR NONE

WORK SCOPE

NRC WILL REVISE THE REPORTING REQUIREMENTS OF 10 CFR 50.55(E) AND 10 CFR 21 TO REDUCE DUPLICATIVE EVALUATION AND REPORTING AND ESTABLISH CONSISTENT SAFETY DEFICIENCY REPORTING REQUIREMENTS. THE REPORTS RECEIVED AS A RESULT OF THESE RULE CHANGES WILL CONTINUE TO PROVIDE INFORMATION ON COMPO-

NENT FAILURES THAT AFFECT SAFETY SO THAT PROMPT AND EFFECTIVE ACTION CAN BE TAKEN. THE INFORMATION WILL ALSO BE USED AS INPUT TO A ROLE OF THE NRC'S VENDOR AND CONSTRUCTION INSPECTION PROGRAM.

STATUS

PROPOSED AMENDMENTS WERE PUBLISHED ON 11/4/88 FOR PUBLIC COMMENT. COMMENTS WERE RECEIVED. FINAL DRAFT AMENDMENTS INCORPORATING PREVIOUS COMMISSION DIRECTION WERE SENT TO

THE COMMISSION ON MAY 23, 1991. FINAL RULE PUBLISHED ON 7/28/91 WITH AN EFFECTIVE DATE OF 10/29/91.

AFFECTED DOCUMENTS

10 CFR 50.55(E), 10 CFR 21

PROBLEM/RESOLUTION

NONE

MILESTONES

OFFICE CONCURRENCE COMPLETE
TRANSMITTED TO CRGP FOR REVIEW

ORIGINAL DATE 04/83

CURRENT DATE --

ACTUAL DATE 06/85

06/85

06/85

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM
 TITLE REVISE DEFICIENCY REPORTING REQUIREMENTS

ISSUE NUMBER: II J 4 1

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
CRGR REVIEW COMPLETE	05/83	--	07/85
PROPOSED AMENDMENTS TO COMMISSION	05/83	--	12/85
COMMISSION DISAPPROVAL RETURNED VIA STAFF REQUIREMENTS MEMO DATED 10/20/86	10/86	--	10/86
REWRITE TO MEET COMMISSION DIRECTIVE	04/87	--	04/87
FIRST ROUND OFFICE AND REGIONAL CONCURRENCE REQUEST ISSUED	04/87	--	04/87
FIRST ROUND OFFICE AND REGION REVIEW COMPLETE	05/87	--	05/87
REWRITE TO INCLUDE COMMENTS	06/87	--	06/87
SECOND ROUND OFFICE AND REGIONAL CONCURRENCE REQUEST ISSUED	06/87	--	06/87
SECOND ROUND INTER-OFFICE DISCUSSIONS TO RESOLVE ISSUES	09/87	--	09/87
CRGR REQUEST ISSUED (29)	09/87	--	09/87
COMPLETE CRGR REVIEW	11/87	--	02/88
ISSUE REVIEW REQUEST TO EDO	11/87	--	02/88
RECEIVE EDO CONCURRENCE TO FORWARD TO COMMISSION	12/87	--	02/88
FORWARD TO COMMISSION	17/87	--	01/88
PUBLISH FOR PUBLIC COMMENT	01/88	--	01/88
PUBLIC COMMENT PERIOD ENDS	03/88	--	01/89
RESOLUTION OF PUBLIC COMMENTS COMPLETE	06/88	--	07/89

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE: REVISE DEFICIENCY REPORTING REQUIREMENTS

ISSUE NUMBER II J 4 I

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
COMPLETE OFFICE REVIEW AND CONCURRENCE	06/89	--	07/89
CRGR REVIEW	08/89	--	07/89
ACRS REVIEW	08/89	--	07/89
PACKAGE TO EDO	08/89	--	07/89
PACKAGE TO COMMISSION	08/89	--	08/89
COMMISSION DIRECTS FURTHER EFFORT VIA SRM DATED MAY 2, 1990	05/90	--	05/90
PACKAGE INCORPORATING COMMISSION DIRECTIVE TO COMMISSION	05/90	--	05/90
ISSUE RULE	07/91	--	07/91