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MEMORANDUM FOR: Distribution

FROM: Charles E. Ader, Chief, Advanced Reactors and Generic Issues
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Nuclear Regulatory Research

SUBJECT: GENERIC ISSUE MANAGEMENT CONTROL SYSTEM - FOURTH QUARTER
FY-90 UPDATE

Enclosed is the Fourth Quarter FY-90 update of the Generic Issue
Management Control System (GIMCS) for your information.

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Enclosure:
GIMCS Fourth Quarter FY-90 Update

cc: See next page

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ENCLOSURE

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM
FOURTH QUARTER FY-90 UPDATE

OFFICE OF NUCLEAR REGULATORY RESEARCH
NOVEMBER 1990

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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 issues 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 generic 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 be 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 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-90 (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	28*	1	10	19
NR	20	3	4	19	19	5	9	15	15	11	7	19
TOTAL:	91	7	6	92	92	10	15	87	77	53	23	107

ISSUE TYPE	FY-86				FY-87					
	GIS Start +	New Issues -	GIS Resolved =	End	ISSUE TYPE	GIS Start +	New Issues -	GIS Resolved -	GIS Integrated =	End
USI	12	0	1	11	USI	11	0	2	0	9
HIGH	57	(16)*	3	38	HIGH	38	4	3	7	32
MEDIUM	19	7	2	24	MEDIUM	24	1	4	5	16
NR	19	(3)*	3	13	NR	13	0	1	1	11
TOTAL:	107	(12)*	9	86	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-90 (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					
ISSUE TYPE	GIs Start	+ New Issues	- GIs Resolved	GIs Integrated	= End
HIGH	16	0	2	0	14
MEDIUM	10	1	2	0	9
NR	7	0	3	0	4
TOTAL:	33	1	7	0	27

Table 1A

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

Cumulative stats
FY-83 Through FY (4th Quarter)

ISSUE TYPE	GIs Start	+ New Issues	= Sub-Total	- GIs Resolved	- GIs Integrated [▲]	= Remainder
USI	16	0	16	16	0	0
HIGH	24	30*	54	30	10	14
MEDIUM	31	13	44	26	9	9
NR	20	17*	37	32	1	4
TOTAL:	91	60	151	104	20	27

* Extensive revisions to Human Factors issues resulted in priority changes

[▲] 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: Issue 131 was integrated into the External Events IPE Program.
Total (1)

TABLE 2

NUMBER OF GENERIC SAFETY ISSUES RESOLVED
AND SCHEDULED FOR RESOLUTION
(Through 4th Quarter FY-90)

ISSUE PRIORITY	RESOLVED								SCHEDULED FOR RESOLUTION						Cumulative Total
	FY-83	FY-84	FY-85	FY-86	FY-87	FY-88	FY-89	FY-90	FY-91	FY-92	FY-93	FY-94	FY-95	TBD	
USI	2	2	0	1	2	5	4	0	0	0	0	0	0	0	16
HIGH	0	1	6	3	3	6	9	2	6	7	0	1	0	0	44
MEDIUM	0	3	10	2	4	2	3	2	3	2	0	0	1	3	35
NR	4	9	7	3	1	3	2	3	3	0	0	0	0	1	36
Total:	6	15	23	9	10	16	18	7	12	9	0	1	1	4	131

TABLE 3

GENERIC SAFETY ISSUES RESOLVED BY FISCAL YEAR

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

TABLE 3 (Continued)

GENERIC SAFETY ISSUES RESOLVED BY FISCAL YEAR

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

TABLE 3 (Continued)

GENERIC SAFETY ISSUES RESOLVED BY FISCAL YEAR

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

TABLE 3 (Continued)

GENERIC SAFETY ISSUES RESOLVED BY FISCAL YEAR

Issue Number	Title	Priority	Resolution Product	Date Approved for Resolution	Date Resolved
<u>FY-85 (Cont'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	08/28/85
III.D.2.3(2)	Discriminate Between Sites and Plants that Require Consideration of Liquid Pathway Interdiction Techniques	NR	ESRP Revision	NRR-OP FY83	08/28/85
III.D.2.3(3)	Establish Feasible Method of Pathway Interdiction	NR	ESRP Revision	NRR-OP FY83	08/28/85

TABLE 3 (Continued)

GENERIC SAFETY ISSUES RESOLVED BY FISCAL YEAR

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	USI	SRP Revision (Req.)	01/79	10/85
I.C.9	Long-Term Plan for Upgrading of Procedures	Medium	No Req.	NRR-OP FY83	06/07/85
III.D.3.1	Radiation Protection Plans	High	No Req.	NRR-OP FY83	05/19/86
HF1.2	Engineering Expertise on Shift	High	No Req.	10/01/84	10/28/85
HF1.3	Guidance on Limits and Conditions of Shift Work	High	No Req.	10/01/84	06/26/86

TABLE 3 (Continued)

GENERIC SAFETY ISSUES RESOLVED BY FISCAL YEAR

Issue Number	Title	Priority	Resolution Product	Date Approved for Resolution	Date Resolved
<u>FY-87</u>					
91	Main Crankshaft Failures in Transamerica Delaval Diesel Generators	IR	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	Requirment for Operator Fitness	High	No Req.	12/82	01/87
I.A.4.2(1)	Research on Training Simulators	High	Reg. Guide 1.149, Rev. 1 (Req.)	10/84	05/87
I.B.1.1	<u>Organization and Management Long-Term Improvements</u>	-	-	-	-
I.B.1.1(1)	Prepare Draft Criteria	Medium	No Req.	12/82	01/87
I.B.1.1(2)	Prepare Commission Paper	Medium	No Req.	12/82	01/87
I.B.1.1(3)	Issue Requirements for the Upgrading of Management and Technical Resources	Medium	No Req.	12/82	01/87
I.B.1.1(4)	Review Responses to Determine Acceptability	Medium	No Req.	12/82	01/87

TABLE 3 (Continued)

GENERIC SAFETY ISSUES RESOLVED BY FISCAL YEAR

Issue Number	Title	Priority	Resolution Product	Date Approved for Resolution	Date Resolved
<u>FY-88</u>					
86	Long Range Plan for Dealing with Stress Corrosion Cracking in BWR Piping	NR	NUREG-0313, Rev. 2, GL 88-01 (Req.)	10/84	01/88
93	Steam Binding of Auxiliary Feedwater Pumps	High	GL 88-03 (No Req.)	10/84	02/88
I.D.4	Control Room Design Standard	Medium	No Req.	NRR-OP FY83	03/88
II.E.4.3	(Containment) Integrity Check	High	NUREG-1273 (No. Req.)	NRR-OP FY83	03/88
B-5	Ductility of Two-Way Slabs and Shells and Buckling Behavior of Steel Containments	Medium	No Req.	NRR-OP FY83	04/88
HF8	Maintenance and Surveillance Program	High	Policy Statement (No Req.)	03/85	05/88
I.A.4.2(4)	Review Simulators for Conformance	High	Rule (Req.)	NRR-OP FY83	05/88
A-44	Station Blackout	USI	Rule/Reg. Guide 1.155 (Req.)	01/79	06/86
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-1353 (No Req.)	12/07/83	04/89
99	RCS/RHR Suction Line Interlocks on PWRs	High	GL 88-17 (Req.)	08/85	11/88
101	BWR Water Level Redundancy	High	GL 89-11 (Req.)	05/06/85	06/89

TABLE 3 (Continued)

GENERIC SAFETY ISSUES RESOLVED BY FISCAL YEAR

Issue Number	Title	Priority	Resolution Product	Date Approved for Resolution	Date Resolved
<u>FY-89 (Cont'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	SRP Revisions (Req.)	01/79	09/89
A-47	Safety Implications of Control Systems	USI	GL 89-19 (Req.)	02/81	08/89
A-48	Hydrogen Control Measures and Effects of Hydrogen Burns on Safety Equipment	USI	Rules (Req.)	02/81	04/89
HF1.1	Shift Staffing	High	Reg. Guide 1.114, Rev. 2 (Req.)	10/01/84	05/89

TABLE 3 (Continued)

GENERIC SAFETY ISSUES RESOLVED BY FISCAL YEAR

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

TABLE 3 (Continued)

GENERIC SAFETY ISSUES RESOLVED BY FISCAL YEAR

<u>Issue Number</u>	<u>Title</u>	<u>Priority</u>	<u>Resolution Product</u>	<u>Date Approved for Resolution</u>	<u>Date Resolved</u>
<u>FY-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

TABLE 4

27 GSIs SCHEDULED FOR RESOLUTION (BY FISCAL YEAR)

PRIORITY	FY-91	FY-92	FY-93	FY-94	FY-95	FY-96	TBD	TOTAL
HIGH	29 121 128 130 B-56 HF4.4	23 87 105 113 II.H.2 HF5.1 HF5.2	-	15	-	-	-	14
MEDIUM	79 106 135	57 B-17	- - -	-	B-55	-	142 B-61 I.D.3	9
NR	83 B-64 I.D.5(3)	-	-	-	-	-	II.J.4.1	4
TOTAL:	12	9	0	1	1	0	4	27

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-89	Current Resolution Date
15	Radiation Effects on Reactor Vessel Supports	RES/DSIR/EIB	H	02/89	TBD	03/94
23	Reactor Coolant Pump Seal Failures	RES/DSIR/EIB	H	NRR-OP FY83	11/90	12/91
29	Bolting Degradation or Failures in Nuclear Power Plants	RES/DSIR/EIB	H	NRR-OP FY83	04/90	02/91
87	Failure of HPCI Steam Line Without Isolation	RES/DSIR/RPSI	H	09/26/85	11/89	03/92
105	Interfacing Systems LOCA at LWRs	RES/DSIR/EIB	H	06/11/85	10/91	10/91
113	Dynamic Qualification Testing of Large Bore Hydraulic Snubbers	RES/DSIR/EIB	H	07/02/87	01/92	09/92
121	Hydrogen Control for Large, Dry PWR Contairments	RES/DSIR/SAIB	H	09/26/85	02/91	02/91
128	Electrical Power Reliability	RES/DSIR/EIB	H	11/28/86	03/90	11/90
130	Essential Service Water Pump Failures at Multiplant Sites	RES/DSIR/RPSI	H	03/10/87	03/90	07/91
B-56	Diesel Reliability	RES/DSIR/RPSI	H	NRR-OP FY83	02/90	12/90

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-89	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	12/91
HF4.4	Guidelines For Upgrading Other Procedures	RES/DSR/HFB	H	10/01/84	11/89	10/90
HF5.1	Local Control Stations	RES/DSR/HFB	H	10/01/84	09/90	05/92
HF5.2	Review Criteria For Human Factors Aspects of Advanced Controls and Instrumentation	RES/DSR/HFB	H	10/01/84	05/91	05/92
57	Effects of Fire Protection System Actuation on Safety-Related Equipment	RES/DSIR/RPSI	M	06/08/88	07/92	07/92
79	Unanalyzed Reactor Vessel Thermal Stress During Natural Convection Cooldown	RES/DSIR/EIB	M	07/25/83	01/90	01/91
106	Piping and Use of Highly Combustible Gases in Vital Areas	RES/DSIR/RPSI	M	11/03/87	05/91	05/91
135	Steam Generator and Steam Line Overfill	RES/DSIR/EIB	M	05/27/86	11/90	01/91
142	Leakage Through Electrical Isolators	RES/DSIR/EIB	M	06/20/90	NA	TBD

Table 4A (Continued)

GENERIC SAFETY ISSUES SCHEDULED FOR RESOLUTION

Issue Number	Title	Lead Office/ Division/Branch	Priority	Date Approved for Resolution	Resolution Date at end of FY-89	Current Resolution Date
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	05/90	02/95
B-61	Allowable ECCS Equipment Outage Periods	RES/DSR/PRAP	M	NRR-OP	04/90	TBD
I.D.3	Safety System Status Monitoring	RES/DE/EMEB	M	NRR-OP FY83	TBD	TBD
83	Control Room Habitability	RES/DSIR/SAIB	NR	08/83	03/90	02/91
B-64	Decommissioning of Nuclear Reactors	NMSS/LLWM/LLRB	NR	NRR-OP FY84	03/90	01/91
I.D.5(3)	On-Line Reactor Surveillance Systems	RES/DE/EMEB	NR	NRR-OP FY83	12/89	10/90
II.J.4.1	Revise Deficiency Report Requirements	AEOD/DSP/ROAB	NR	NRR-OP FY83	TBD	TBD

Total: 27

TABLE 5

NUMBER OF GENERIC ISSUES PRIORITIZED FROM FY-83 THROUGH THE FOURTH QUARTER OF FY-90

Issue Type	FY-83	FY-84	FY-85	FY-86	FY-87	FY-88	FY-89	FY-90	Total
Issues Identified To Be Prioritized	56	19	54	45*	6	3	38	3	224
Issues Identified To Be Reprioritized	19	2	0	1	1	2	0	0	25
Total:	75	21	54	46	7	5	38	3	249
<u>New Issues (Entered into GIMCS)</u>									
High	2	1	41	6	4	1	1	0	56
Medium	2	4	1	1	1	2	0	1	12
Nearly-Resolved	3	5	6	1	0	1	0	0	16
Subtotal:	7	10	48	8	5	4	1	1	84
Resolved	4	0	1	0	0	1	1	1	8
Low	1	4	0	2	1	0	0	2	10
Drop	1	4	4	6	13	9	2	8	47
Regulatory Impact/LI	0	0	4	6	0	2	33	1	46
Subsumed	8	2	3	6	0	1	1	3	24
Total Issues Prioritized	21	20	60	28	19	17	38	16	219
Remaining Issues To Be Prioritized or Reprioritized	+54	+1	-6	+18	-12	-12	0	-13	30

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

TABLE 6

GENERIC ISSUES PRIORITIZED AS OF FOURTH QUARTER FY-90

Action Item/ Issue No.	Title	Identification Date	Date Prioritized	Current Priority
<u>FY-83</u>				
31	Natural Circulation Cooldown	09/82	07/83	S(I.C.1)
32	Flow Blockage in Essential Equipment Caused by Corbicula	09/82	05/83	S(51)
33	Correcting Atmospheric Dump Valve Opening Upon Loss of Integrated Control System Power	09/82	08/82	S(A-47)
39	Potential for Unacceptable Interaction Between the CRD System and Non-Essential Control Air System	09/82	07/82	S(25)
40	Safety Concerns Associated with Pipe Breaks in the BWR Scram System	09/82	07/83	NR
41	BWR Scram Discharge Volume Systems	09/82	07/83	RESOLVED
42	Combination Primary/Secondary System LOCA	09/82	04/83	S(18)
45	Inoperability of Instrumentation Due to Extreme Cold Weather	09/82	09/83	NR
46	Loss of 125 Volt DC Bus	09/82	02/83	S(76)
47	Loss of Off-Site Power	09/82	04/83	RESOLVED
50	Reactor Vessel Level Instrumentation in BWRs	09/82	07/83	NR
51	Proposed Requirements for Improving the Reliability of Open Cycle Service Water Systems	09/82	06/83	MEDIUM
52	SSW Flow Blockage by Blue Mussels	09/82	05/83	S(51)
56	Abnormal Transient Operating Guidelines as Applied to a Steam Generator Overfill Event	09/82	02/83	S(A-45/I.D.1)
58	Inadvertent Containment Flooding	09/82	08/83	DROP
64	Identification of Protection System Instrument Sensing Lines	10/82	02/83	RESOLVED
65	Probability of Core-Melt Due to Component Cooling Water System Failures	02/83	07/83	HIGH
77	Flooding of Safety Equipment Compartments by Back-Flow Through Floor Drains	06/83	09/83	HIGH
79	Unanalyzed Reactor Vessel Thermal Stress During Natural Convection Cooldown	06/83	07/83	MEDIUM
B-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-90

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

TABLE 6 (Continued)

GENERIC ISSUES PRIORITIZED AS OF FOURTH QUARTER FY-90

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

TABLE 6 (Continued)

GENERIC ISSUES PRIORITIZED AS OF FOURTH QUARTER FY-90

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	02/83	04/85	RI(LOW)
B-59	N-1 Loop Operation in BWRs and PWRs	02/83	06/85	RESOLVED
HF-01	Human Factor Program Plan (HFPP with 24 subtasks)	08/83	10/84	HIGH
HF-02	Maintenance and Surveillance Program Plan (MSPP with 10 subtasks)	04/84	03/85	HIGH
<u>FY-86</u>				
21	Vibration Qualification of Equipment	03/83	06/86	DROP
30	Potential Generator Missiles - Generator Rotor Retaining Rings	09/82	10/85	DROP
74	Reactor Coolant Activity Limits for Operating Reactors	06/83	05/86	DROP
97	PWR Reactor Cavity Uncontrolled Exposures	09/84	10/85	S(III.D.3.1)
111	Stress Corrosion Cracking of Pressure Boundary Ferritic Steels in Selected Environments	01/85	11/85	LI
112	Westinghouse RPS Surveillance Frequencies and Out-of-Service Times	01/85	10/85	RI(R)
114	Seismic-Induced Relay Chatter	03/85	06/86	S(A-46)
115	Reliability of Westinghouse Solid State Protection System	04/85	07/86	HIGH
122.1.a	Common Mode Failure of Isolation Valves in Closed Position	08/85	01/86	HIGH
122.1.b	Recovery of Auxiliary Feedwater	08/85	01/86	MEDIUM
122.1.c	Interruption of Auxiliary Feedwater Flow	08/85	01/86	HIGH
122.2	Initiating Feed-and-Bleed	08/85	01/86	HIGH
122.3	Physical Security System Constraints	08/85	01/86	LOW
124	Auxiliary Feedwater System Reliability	12/85	02/86	NR

TABLE 6 (Continued)

GENERIC ISSUES PRIORITIZED AS OF FOURTH QUARTER FY-90

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(70)
125.I.2.b	PORV Reliability - Surveillance	11/85	06/86	S(70)
125.I.2.c	Auto Block Valve Closure	11/85	06/86	DROP
125.I.2.d	Equipment Qualification for Feed-and-Bleed Environment	11/85	06/86	S(A-45)
125.II.3	Review Steam/Feed Line Break Mitigation Systems for Single Failure	11/85	08/86	DROP
125.II.4	OTSG Dryout and Reflood Effects	11/85	09/86	DROP
125.II.7	Reevaluate Provisions to Automatically Isolate Feedwater from Steam Generator During Line Break	11/85	09/86	HIGH
125.II.9	Enhance Feed-and-Bleed Capability	11/85	08/86	S(A-45)
125.II.14	Remote Operation of Equipment Which Must Now be Operated Locally	11/85	08/86	LOW
133	Update Policy Statement on Nuclear Plant Staff Working Hours	07/86	07/86	LI
134	Rule on Degree and Experience Requirement	07/86	07/86	HIGH
C-4	Statistical Methods for ECCS Analysis	02/83	06/86	RI(R)
C-5	Decay Heat Update	02/83	06/86	RI(R)
C-6	LOCA Heat Sources	02/83	06/86	RI(R)
<u>FY-87</u>				
113	Dynamic Qualification Testing of Large Bore Hydraulic Snubbers	03/85	07/87	HIGH
125.I.1	Availability of the STA	11/85	07/87	DROP
125.I.4	Plant-Specific Simulator	11/85	02/87	DROP
125.I.7.b	Realistic Hands-On Training	11/85	03/87	DROP
125.I.8	Procedures and Staffing for Reporting to NRC Emergency Response Center	11/85	06/87	DROP

TABLE 6 (Continued)

GENERIC ISSUES PRIORITIZED AS OF FOURTH QUARTER FY-90

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 System/ICS Interactions in B&W Plants	11/85	10/86	DROP
125.II.2	Adequacy of Existing Maintenance Requirements for Safety-Related Systems	11/85	06/87	DROP
125.II.5	Thermal-Hydraulic Effects of Loss and Restoration of Feedwater on Primary System Components	11/85	06/87	DROP
125.II.6	Reexamine PRA Estimates of Core Damage Risk from Loss of All Feedwater	11/85	03/87	DROP
125.II.8	Reassess Criteria for Feed-and-Bleed Initiation	11/85	03/87	DROP
125.II.10	Hierarchy of Impromptu Operator Actions	11/85	02/87	DROP
125.II.12	Adequacy of Training Regarding PORV Operation	11/85	03/87	DROP
127	Testing and Maintenance of Manual Valves in Safety-Related Systems	05/86	06/87	LOW
128	Electrical Power Reliability	05/86	11/86	HIGH
130	Essential Service Water Pump Failures at Multiplant Sites	06/86	03/87	HIGH
135	Steam Generator and Steam Line Overfill	05/86	06/87	MEDIUM
<u>FY-88</u>				
43*	Reliability of Air Systems	04/87	12/87	HIGH
55*	Failure of Class 1E Safety-Related Switchgear Circuit Breakers to Close on Demand	09/85	02/88	DROP
57	Effects of Fire Protection System Actuation on Safety-Related Equipment	09/82	06/88	MEDIUM

* Previous priority evaluation published in NUREC-0933.

TABLE 6 (Continued)

GENERIC ISSUES PRIORITIZED AS OF FOURTH QUARTER FY-90

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(29)
88	Earthquakes and Emergency Planning	01/84	10/87	RESOLVED
104	Reduction of Boron Dilution Requirements	10/84	08/88	DROP
106	Piping and Use of Highly Combustible Gases in Vital Areas	10/84	11/87	MEDIUM
125.I.3	SPDS Availability	11/85	05/88	NR
125.I.6	Valve Torque Limit and Bypass Switch Settings	11/85	12/87	DROP
125.I.7A	Recover Failed Equipment	11/85	12/87	DROP
125.II.11	Recovery of Main Feedwater as Alternative to AFW	11/85	06/88	DROP
125.II.13	Operator Job Aids	11/85	03/88	DROP
126	Reliability of PWR Main Steam Safety Valves	03/86	03/88	LI
136	Storage and Use of Large Quantities of Cryogenic Combustibles on Site	09/86	03/88	LI
C-14	Storm Surge Model for Coastal Sites	02/83	05/88	LI(DROP)
III.D.1.1(2)	Review Information on Provisions for Leak Detection	12/82	09/88	DROP
III.D.1.1(3)	Develop Proposed System Acceptance Criteria	12/82	09/88	DROP
<u>FY-89</u>				
15*	Radiation Effects on Reactor Vessel Supports	09/86	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-90

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

TABLE 7

GENERIC ISSUES TO BE PRIORITIZED AS OF FOURTH QUARTER FY-90

Action Item/ Issue No.	Title	Identification Date	Current Schedule
38	Potential Recirculation System Failure as a Consequence of Injection of Containment Paint Flakes or Other Fine Debris	09/82	12/90
72	Control Rod Drive Guide Tube Support Pin Failures	06/83	01/91
73	Detached Thermal Sleeves	06/83	11/90
76	Instrumentation and Control Power Interactions	06/83	03/91
78	Monitoring of Fatigue Transient Limits for Reactor Coolant System	06/83	01/91
89	Stirr Pipe Clamps	02/84	03/91
100	GTSG Level	09/84	03/91
110	Equipment Protection Devices on Engineered Safety Features	12/84	03/91
118	Tendon Anchorage Failure	07/85	03/91
120	On-Line Testability of Protection Systems	08/85	11/90
123	Deficiencies in the Regulations Governing DBA and Single Failure Criterion Suggested by the Davis-Besse Incident of June 9, 1985	11/85	03/91
132	RHR Pumps Inside Containment	07/86	03/91
138	Deinerting Upon Discovery of RCS Leakage	10/86	12/90
143	Availability of Chilled Water Systems	10/87	03/91
144	Scram Without a Turbine/Generator Trip	03/88	04/91
145	Improve Surveillance and Startup Testing Programs	09/88	07/91
146	Support Flexibility of Equipment and Components	01/89	08/91
147	Fire-Induced Alternate Shutdown Control Room Panel Interactions	04/89	01/91
148	Smoke Control and Manual Fire-Fighting Effectiveness	04/89	04/91
149	Adequacy of Fire Barriers	04/89	04/91
150	Overpressurization of Containment Penetrations	04/89	05/91
151	Reliability of Recirculation Pump Trip During an ATWS	04/89	06/91
152	Design Basis for Valves That Might Be Subjected to Significant Blowdown Loads	03/90	09/91
153	Loss of Essential Service Water in LWRs	05/90	10/91
154	Adequacy of Emergency and Essential Lighting	09/90	11/91

TOTAL: 25

TABLE 8

GENERIC ISSUES TO BE REPRIORITIZED AS OF FOURTH QUARTER FY-90

Action Item/ Issue No.	Title	Previous Priority	Identification Date	Current Schedule
2	Failure of Protective Devices on Essential Equipment	MEDIUM	05/83	02/91
24	Automatic Emergency Core Cooling System Switch to Recirculation	NR	03/83	03/91
A-19	Digital Computer Protection System	LI	02/83	11/90
B-22	LWR Fuel	LI	02/83	01/91
C-9*	RHR Heat Exchanger Tube Failures	DROP	07/84	12/90

TOTAL: 5

* - Previous priority evaluation published in NUREG-0933.

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-89	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	12/90
119.5	Leak Detection Requirements	RES/DE/MEB	RI	09/10/85	03/90	04/91

TOTAL: 4

TABLE 10

LICENSING ISSUES SCHEDULED FOR RESOLUTION

Issue Number	Title	Lead Office/ Division/ Branch	Current Resolution Date
67.5.1	Reassessment of Radiological Consequences	RES/DSIR/RPSI	03/92
67.5.2	Reevaluation of SGTR Design Basis	RES/DSIR/RPSI	01/91
133	Update Policy Statement on Nuclear Power Plant Staff Working Hours	NRR/DLPQ/LHFB	08/91
I.D.5(5)	Disturbance Analysis Systems	RES/DSR/HFB	TBD
II.B.5(1)	Behavior of Severely Damaged Fuel	RES/DSR/AEB	06/94
II.B.5(2)	Behavior of Core-Melt	RES/DSR/AEB	06/94
II.B.5(3)	Effect of Hydrogen Burning and Explosions on Containment Structure	RES/DSR/AEB	11/91
<u>TOTAL:</u>	<u>7</u>		

RUN DATE: 11/26/90

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 15
 IDENTIFICATION DATE: 06/80
 TASK MANAGER: R. JOHNSON
 TAC NUMBERS:
 WORK AUTHORIZATION: FEB. 8, 1989 MEMO FROM E. BECKJORD TO R. W. HOUSTON

TITLE: RADIATION EFFECTS ON REACTOR VESSEL SUPPORTS
 PRIORITY: H
 TYPE: GSI
 ACTION LEVEL: ACTIVE
 STATUS: RESOLUTION DATE: 03/94

PRIORITIZATION DATE: 02/89
 OFFICE/DIVISION/BRANCH: RES /DSIR/EIB

CONTRACTOR
 FIN: ANL, BNL, ORNL, MEA, LLNL, MIST, MPD NETWORK, PAL ASSOCI, INEL, L1296, L1386

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

W O R K S C O P E

- A) DEVELOP GENERAL RPV SUPPORT REVIEW CRITERIA AND RESOLUTION PACKAGE (FIN L1296, G1169)
 - B) EVALUATION OF TROJAN PLANT RPV SUPPORT IRRADIATION EFFECTS (FIN L1296, G1165)
 - C) DETERMINE RELEVANT RADIATION PARAMETERS AND EFFECT ON MATERIALS (FIN L1386)
- D) PROGRAMS UNDER DEVELOPMENT: RELATED WORK WHICH MAY INFLUENCE THE GSI-15 RESOLUTION (FINS A3841, B6021, B6224, B0415, A2256, B5848, AND UNDESIGNATED ONES)

S T A T U S

(1) NUREG/CR-556, PREPARED BY THE T/A CONTRACTOR (INEL), WAS PUBLISHED IN JULY 1990. IT GENERATED A RESPONSE FROM THE U.K. NUCLEAR INSTALLATIONS INSPECTORATE CITING A CONCERN FOR THE SIZELL B (PWR) RPV SUPPORTS, AND A MUTUAL INTEREST DIALOGUE HAS BEGUN. (2) THE MILESTONE FOR PRELIMINARY REVIEW OF RPV SUPPORTS, SUBTASK 1.2 (IN THE GSI-15 TAP) PROBABLY WILL BE EITHER MISSED OR DELETED. EFFORTS TO OBTAIN DATA NEEDED TO COMPLETE THE REVIEW, INCLUDING FORMAL REQUESTS TO RESPONSIBLE OWNERS GROUPS, HAVE FAILED. THE ONLY REMAINING AVENUE IS TO ASK THE LICENSEES FOR INFORMATION (A GENERIC LETTER PER 50.54(f)) BUT, RATHER THAN

DO THAT, DSIR MANAGEMENT DIRECTED THAT A GL BE PREPARED AS PART OF THE FINAL RESOLUTION ASKING LICENSEES TO COMPILE DATA, SCREEN THEIR RPV SUPPORTS, AND EVALUATE THE VULNERABILITY TO FAILURE USING CRITERIA PROVIDED BY THE NRC. RESPONSES WILL BE EVALUATED BY RES AND T/A CONTRACTORS. NEW MILESTONES WILL APPLY. (3) WORK ON PREPARATION OF ALTERNATIVE SOLUTIONS (SUBTASK 1.3) AND COST/BENEFIT ANALYSES CONTINUES BY INEL BUT ALSO DEPENDS, IN PART, ON THE EXECUTION OF SUBTASK 1.2.

B) DATA ON A-36 (SPECIFICATION) STEEL WERE RETRIEVED FROM THE MPD NETWORK STORAGE SYSTEM, BUT SOME SERIOUS ERRORS AND

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TITLE: RADIATION EFFECTS ON REACTOR VESSEL SUPPORTS

S T A T U S

DEFICIENCIES WERE NOTED. THE MPD STAFF ADVISED THAT PRELIMINARY DATA HAD BEEN OBTAINED; THEY PROVIDED A SET OF REWORKED DATA, BUT AN INITIAL REVIEW DISCLOSED YET OTHER PROBLEMS WHICH HAVE NOT BEEN RESOLVED BECAUSE OF THE PRESSURE OF OTHER COMMITMENTS. DATA ON A-36 STEEL ARE NEEDED TO DETERMINE THE RANGE OF PROPERTIES OF KEY COMPONENTS IN THE TROJAN RPV SUPPORTS.

C) SUBTASK 3.1, "PRELIMINARY EVALUATION OF LOW-FLUX EMBRITTLEMENT," WAS COMPLETED. ANALYSIS OF DATA FROM HFIR SURVEILLANCE SPECIMENS AND SHIPPINGPORT NST SAMPLES USING L. GREENWOOD'S (NOW AT PNL) MODIFIED DPA PARAMETER REMOVED THE BULK OF THE PREVIOUSLY-REPORTED DISCREPENCY. THE FINDINGS WERE PRESENTED AT AN ASTM CONFERENCE IN STRASBOURG, FRANCE, IN AUGUST. THE MILESTONE "COMPLETE SHIPPINGPORT NST

REVIEW" SHOULD BE MET BY BNL (THE T/A CONTRACTOR) WHEN A FINAL REPORT ON THE FLUX DISTRIBUTION IS SUBMITTED. D) THE NUREG/CR ON THE COMPLETED TROJAN CONSEQUENCE ANALYSIS IS SCHEDULED TO BE SENT TO GPO FOR PRINTING IN LATE SEPTEMBER. THE PROJECT (TAP RELATED WORK ITEM 1) IS SCHEDULED FOR COMPLETION BY THE END OF CY 1990 WHEN APPROXIMATE ANALYSES OF THE SAN ONOFRE AND SURRY SUPPORTS WILL BE DONE. OTHER ONGOING RELATED WORK PROGRAMS ARE PROCEEDING PROPERLY. IN A MEMO DATED AUGUST 9, 1990, L. C. SHAO, DIRECTOR, DE (RES) STATED THAT NEITHER PROBABILISTIC FRACTURE MECHANICS ANALYSES (TAP-RELATED WORK ITEM 8) NOR MODEL TESTS CAN BE JUSTIFIED FOR THE TROJAN RPV SUPPORTS.

AFFECTED DOCUMENTS

10 CFR 50
STANDARD REVIEW PLAN SECTION 2.9 AND 5.4
ASME SECTION III
ASME SECTION XI

PROBLEM/RESOLUTION

NONE

M I L E S T O N E S

	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 RES 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

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

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TITLE: RADIATION EFFECTS ON REACTOR VESSEL SUPPORTS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
COMPLETE IRRADIATION DAMAGE CALC.	07/90	--	07/90
COMPLETE SUBTASK 3.1	09/90	--	09/90
COMPLETE SHIPPINGPORT NST REVIEW	09/90	10/90	--
GL TO DSIR DEPUTY DIRECTOR	05/91	05/91	--
GL TO OTHER OFFICES FOR REVIEW	08/91	08/91	--
GL TO CRGR AND ACRS	11/91	11/91	--
ISSUE GL	03/92	03/92	--
REVIEW GL RESPONSES	06/92	06/92	--
COMPLET TAP TASKS - ESTABLISH ADDITIONAL ITEMS NEEDED FOR RESOLUTION	07/92	07/92	--
RESOLUTION PACKAGE TO DSIR DEPUTY DIRECTOR	06/93	06/93	--
RESOLUTION PACKAGE TO OTHER OFFICES FOR REVIEW	08/93	08/93	--
PACKAGE TO CRGR AND TO ACRS	10/93	10/93	--
FRN OF PROPOSED RESOLUTION - PUBLIC COMMENT (OR CLOSEOUT MEMO)	11/93	11/93	--
FTR TO OTHER OFFICES AND CRGR	01/94	01/94	--
FRN ON ISSUANCE OF FTR	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. SHAUKAT OFFICE/DIVISION/BRANCH: RES /DSIR/EIB ACTION LEVEL: ACTIVE STATUS:
 TAC NUMBERS: RESOLUTION DATE: 12/91
 WORK AUTHORIZATION: NRR FY-84 OPERATING PLAN, (APPENDIX G)

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

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

THE STAFF HAS DEVELOPED A REGULATORY ANALYSIS (NUREG REPORT) FROM CONTRACTOR'S WORK AND OTHER RELATED INFORMATION. THE PROPOSED RESOLUTION INCLUDES A DRAFT GENERIC LETTER AND REGULATORY GUIDE. RES/EIB HAS BEEN MEETING WITH NRR TO HELP ASSURE THAT THEIR COMMENTS ARE BEING ADDRESSED. BASED ON THE LATEST MEETING, NRR HAS INDICATED PRELIMINARY AGREEMENT WITH THE PROPOSED CRGR PACKAGE.

ONE AREA WHICH THEY REQUESTED, INCLUDING ADDITIONAL INFORMATION, INVOLVES THE SEALS OF RECIRCULATION PUMPS IN BWRs FOR STATION BLACKOUT CONDITIONS. IN ADDITION, AN NRR GENERIC LETTER FOR INFORMATION ONLY HAS BEEN DRAFTED. THE PURPOSE IS TO INFORM LICENSEES OF THE POTENTIAL IMPACT ON SBO ANALYSES.

ISSUE NUMBER: 23

TITLE: REACTOR COOLANT PUMP SEAL FAILURES

AFFECTED DOCUMENTS

 THE FOLLOWING REPORTS HAVE BEEN ISSUED:
 NUREG/CR-4077 "REACTOR COOLANT PUMP SHAFT SEAL BEHAVIOR"
 NUREG/CP-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 INSTRU-
 MENTATION AND OPERATOR RESPONSE"
 NUREG/CR-4948 "TECHNICAL FINDINGS RELATED TO GI-23,
 REACTOR COOLANT PUMP SEAL FAILURES"

PROBLEM/RESOLUTION

 RES HAS HAD EXTREME DIFFICULTY IN OBTAINING NRR AND OGC
 CONCURRENCE PRIOR TO PROCEEDING TO CRGR. A TWO-MONTH SLIP
 HAS RESULTED.

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 REPONSIBILITY FROM DSI TO DE	06/84	--	06/84
TRANSFER RESOLUTION RESPONSIBILTY FROM DE TO DST/GIB	05/85	--	05/85
COMPLETE DOCUMEN. OF BACKGROUND PAST SEAL FAILURES, INCLUDING LER SEARCH, REV OF INDUST. EXP & REV. OF BWR SCR. (TASK 1)	05/85	--	12/85
EVAL. RCP SEAL COOLING, INCL. DETERM. EFFECT OF LOSS COOLING, EVAL. RELIAB. OF COOLING SYS. AND REV. RCP SEAL COOLING INSTR. (TASK 2)	12/84	--	08/86

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ISSUE NUMBER: 23

TITLE: REACTOR COOLANT PUMP SEAL FAILURES

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
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	11/90	--
DTR SENT TO EDO	07/90	12/90	--
DTR SENT TO COMMISSION	08/90	01/91	--
FRN OF ISSUANCE OF PROPOSED RESOLUTION FOR PUBLIC COMMENT	12/85	02/91	--
COMPLETE REVIEW OF PUBLIC COMMENTS AND PREPARE FTR PACKAGE	04/86	07/91	--
DIVISION DIRECTOR REVIEW OF FTR COMPLETED	05/86	08/91	--
CONCURRENCE BY OTHER OFFICES	11/89	09/91	--
ACRS AND CRGR REVIEW OF FTR COMPLETED	06/86	10/91	--
FTR SENT TO EDO/COMMISSION	06/91	11/91	--
FRN OF ISSUANCE OF FTR	07/86	12/91	--

AS OF FY90 QUARTER 4

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 29 TITLE: BOLTING DEGRADATION OR FAILURE IN NUCLEAR POWER PLANTS
 IDENTIFICATION DATE: 10/81C PRIORITIZATION DATE: 08/82C TYPE: GSI PRIORITY: H
 TASK MANAGER: T. CHANG OFFICE/DIVISION/BRANCH: RES /DSIR/EIB ACTION LEVEL: ACTIVE STATUS:
 TAC NUMBERS: RESOLUTION DATE: 02/91
 WORK AUTHORIZATION: NRR FY-84 OPERATING PLAN (APPENDIX G)

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

STATUS

DIVISION MANAGEMENT REVIEW OF THE GSI-29 DRAFT CRGR PACKAGE CONCLUDED THAT THE VALUE/IMPACT ANALYSES DONE BY CONTRACTORS WERE NOT CONCLUSIVE ENOUGH TO SUPPORT THEIR RECOMMENDED RESOLUTION OF THE ISSUE. DIVISION MANAGEMENT DECIDED THAT A CRGR PACKAGE (GENERIC LETTER FOR INFORMATION, A STAFF NUREG REPORT, AND A PROPOSAL TO NRR FOR FUTURE SRP REVISIONS) SHOULD BE DEVELOPED. THE GENERIC LETTER AND THE STAFF NUREG REPORT SHOULD BE ISSUED TO HOLDERS OF AN OL OR CP TO NOTIFY THEM OF THE WORK DONE BY EPRI AND NRC STAFF POSITIONS ON THIS WORK. THE DRAFT CRGR PACKAGE HAS BEEN DEVELOPED AND SENT TO NRR AND OGC.

AFFECTED DOCUMENTS

SRP REVISION. (NRR)

PROBLEM/RESOLUTION

REVISION OF PROGRAM HAS RESULTED IN SCHEDULE CHANGE.

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

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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 EPRI/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/CRGR	01/89	11/90	--
ACRS/CRGR REVIEW COMPLETED	04/89	01/91	--
ISSUANCE OF CLOSEOUT MEMO	03/89	02/91	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

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: 07/92
 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"
L1334	SNL	GENERIC ISSUE 57, "EFFECTS OF FIRE PROTECTION SYSTEM ACTUATION ON SAFETY-RELATED EQUIPMENT"

WORK SCOPE

REFINE SNL SCOPING RISK ANALYSIS TO DETERMINE WHETHER A FIX MIGHT BE JUSTIFIED. (FIN B6601) PERFORM FULL FLEDGED EVALUATION (PRA & V/I ANALYSIS) FOR RESOLUTION WITH TECHNICAL ASSISTANCE THROUGH ABOVE FINs

STATUS

BUDGET LIMITATIONS WILL NECESSITATE A REDUCTION IN SCOPE OF THE CONTRACTORS' WORK RESULTING IN THE ELIMINATION OF ONE PLANT PRA (OUT OF THE FOUR ORIGINALLY PLANNED) HOWEVER, WE PLAN TO MAKE UP FOR THIS LACK OF AN ADDITIONAL PRA BY DESIGN DATA COLLECTION FOR A LARGE NUMBER OF PLANTS AND SELECTED PLANT WALKDOWNS. SOME SMALL SCHEDULE DELAYS MIGHT BE ENCOUNTERED, BUT WE WILL MAKE A CONCERTED EFFORT TO AVOID THEM.

AFFECTED DOCUMENTS

*** TO BE DETERMINED ***

PROBLEM/RESOLUTION

ADDITIONAL SEISMIC OPERATIONAL EXPERIENCE DATA BECAME AVAILABLE RECENTLY FROM FACTORY MUTUAL INSURANCE CO. AS A RESULT OF A RECENT AGREEMENT WITH EQE, OUR SANDIA SUBCONTRACTOR IT WAS DECIDED TO EXTEND THE COMPLETION DATE OF THE EQE REPORT TO THE END OF OCTOBER 1990 TO INCLUDE THE ADDITIONAL DATA IN THE EQE REPORT. THIS WILL ABOUT DOUBLE THE DATA BASIS WHICH IS CONTAINED IN A DRAFT REPORT BY EQE ALREADY RECEIVED BY SANDIA.

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
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	--	06/89
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
EQE SUBCONTRACT REPORT TO SNL	08/90	10/90	--
DRAFT CONTRACTOR REPORTS TO RES	02/91	02/91	--
FINAL CONTRACTOR REPORTS TO RES	05/91	05/91	--
REG. ANALYSIS AND CRGR/ACRS PACKAGES PREPARED	07/91	07/91	--
ISSUE FOR PUBLIC COMMENT	11/91	11/91	--
CRGR/ACRS REVIEW AND APPROVAL	05/92	05/92	--
ISSUE CLOSEOUT MEMO FROM RES DIRECTOR TO EDO	06/92	06/92	--
ISSUE GENERIC LETTER (MRR)	07/92	07/92	--

RUN DATE: 11/26/90

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 11

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
ISSUE CLOSEOUT MEMO FROM RES DIRECTOR TO EDO	06/92	06/92	--
ISSUE GENERIC LETTER (NRR)	07/92	07/92	--

AS OF FY90 QUARTER 4

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 67 5.1
 IDENTIFICATION DATE: 06/83C
 TASK MANAGER: J. HOPENFELD
 TAC NUMBERS: NONE
 WORK AUTHORIZATION: MEMO TO R. BERNERO FROM H. DENTON DATED 3/25/85

TITLE: REASSESSMENT OF SGTR DESIGN BASIS
 PRIORITY: LI
 TYPE: LI
 ACTION LEVEL: ACTIVE
 STATUS: 5
 RESOLUTION DATE: 03/92

CONTRACTOR: INEL
 FIN: A6879
 B0832

CONTRACT TITLE: RISK ASSOCIATED WITH A SPECTRUM OF SGTR ACCIDENTS
 STEAM GENERATOR TUBE RUPTURE

W O R K S C O P E

COMPLETE THE EXPERIMENTS ON IODINE PARTITION COEFFICIENTS. EVALUATE THE VALIDITY OF SRP IODINE SPIRE MODELS. IDENTIFY MODIFICATIONS TO THE SRP REQUIREMENTS IN LIGHT OF RECENT DATA USING BEST ESTIMATE

S T A T U S

THE ORNL EXPERIMENTS TO DETERMINE THE IODINE PARTITION COEFFICIENT ARE COMPLETE. THE INEL EVALUATION OF PLANT IODINE SPIKING DATA HAS BEEN COMPLETED. INEL HAS INITIATED AN ANALYSIS OF SECONDARY SYSTEM PH FOLLOWING AN SGTR

AFFECTED DOCUMENTS

SRP

PROBLEM/RESOLUTION

THE SCHEDULE WAS DELAYED FIVE MONTHS DUE TO EXTENDED REVIEW OF THE DRAFT RESOLUTION BY NRR. THIS ISSUE IS NOT A SAFETY ISSUE, AND NRR HAS OTHER PRIORITY WORK.

M I L E S T O N E S

PREPARE DRAFT TAP	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
REVISE DRAFT TAP TO INCLUDE PROBABILISTIC ASSESSMENT OF SGTR	06/87	--	06/87
	10/87	--	12/87

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
MANAGEMENT APPROVAL OF REVISED TAP	11/87	--	12/87
COMPLETE WORK PLAN AND CONTRACT PROPOSAL	11/87	--	12/87
ISSUE CONTRACT TO INEL	01/88	--	03/88
DRAFT REPORT FROM INEL AND ORNL TO RES	06/88	--	07/88
FINAL REPORT FROM INEL	08/88	--	08/88
FINAL REPORT FROM ORNL	09/88	--	09/88
FINAL REPORT FROM INEL ON IODINE SPIKING	01/89	--	01/89
FINAL REPORT FROM INEL ON IODINE SPIKING DURING SGTR	07/89	--	09/89
DRAFT REGULATORY ANALYSIS PREPARED	09/88	--	11/89
DRAFT REG ANALYSIS SENT TO NRR FOR COMMENT	07/90	--	08/90
COMMENTS ON DRAFT REG ANALYSIS RECEIVED FROM NRR	01/91	01/91	--
DTR PACKAGE FOR DEPUTY DIRECTOR COMMENT	10/88	02/91	--
DTR PACKAGE TO NRR FOR CONCURRENCE	10/90	03/91	--
DRAFT REPORT ON SECONDARY PH	03/91	03/91	--
DTR PACKAGE TO CRGR/ACRS	02/89	05/91	--
FINAL REPORT ON SECONDARY PH	05/91	05/91	--
CRGR/ACRS REVIEW	01/91	06/91	--
DTR PACKAGE ISSUED FOR COMMENT	03/91	08/91	--
PUBLIC COMMENTS RECEIVED	05/91	10/91	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

RUN DATE: 11/26/90

PAGE: 14

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
FTR PACKAGE PREPARED	06/91	11/91	--
FTR PACKAGE TO NRR	07/91	12/91	--
FTR PACKAGE TO CRGR/ACRS	08/91	01/92	--
CRGR/ACRS REVIEW OF FTR	09/91	02/92	--
FTR PACKAGE ISSUED	03/89	03/92	--

AS OF FY90 QUARTER 4

RUN DATE: 11/26/90

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM*

PAGE: 15

ISSUE NUMBER: 67.5.2 TITLE: REEVALUATION OF SGTR DESIGN BASIS
IDENTIFICATION DATE: 06/83C PRIORITIZATION DATE: 03/85C TYPE: LI PRIORITY:
TASK MANAGER: J. HOPENFELD OFFICE/DIVISION/BRANCH: RES /DSIR/RPSI ACTION LEVEL: ACTIVE STATUS: 5
TAC NUMBERS: NONE RESOLUTION DATE: 01/91
WORK AUTHORIZATION: MEMO TO R. BERNERO FROM H. DENTON DATED 3/25/85

FIN	CONTRACTOR	CONTRACT TITLE
NONE	NONE	NONE

WORK SCOPE

CONDUCT AN ANALYSIS TO DETERMINE WHETHER STEAM GENERATOR OVERFILL AND MULTIPLE TUBE RUPTURE SHOULD BE CONSIDERED AS DESIGN BASIS ACCIDENTS.

STATUS

BEING RESOLVED AS PART OF GI 67.5.1. T/A WORK COMPLETED.

AFFECTED DOCUMENTS

*** TO BE DETERMINED ***

PROBLEM/RESOLUTION

NONE

MILESTONES

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
PREPARE DRAFT TAP	06/87	--	06/87
REVISE DRAFT TAP TO INCLUDE PROBABILISTIC ASSESSMENT OF SGTR	10/87	--	12/87
MANAGEMENT APPROVAL OF REVISED TAP	11/87	--	12/87
COMPLETE WORK PLAN AND CONTRACT PROPOSAL	11/87	--	12/87

AS OF FY90 QUARTER 4

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

RUN DATE: 11/26/90

PAGE: 16

ISSUE NUMBER: 67.5.2

TITLE: REEVALUATION OF SGTR DESIGN BASIS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
ISSUE CONTRACT TO INEL	01/88	--	03/88
DRAFT REPORT FROM INEL TO RES	06/88	--	07/88
FINAL REPORT FROM INEL TO RES	08/88	--	08/88
FINAL REPORT FROM INEL ON IODINE SPIKING	01/89	--	01/89
FINAL REPORT FROM INEL ON IODINE SPIKING DURING SGTR	07/89	--	09/89
BCL DRAFT SCOPING STUDY REPORT ON MULTIPLE TUBE FAILURE	07/89	--	07/89
INEL RECOMMENDATIONS ON ACTIONS REQUIRED TO RESOLVE MULTIPLE TUBE RUPTURE ISSUES	08/89	--	09/89
DRAFT CLOSEOUT MEMO TO DIRECTOR, DSIR	10/90	10/90	--
CLOSEOUT MEMO TO NRR FOR CONCURRENCE	11/90	11/90	--
CLOSEOUT MEMO ISSUED TO EDO	01/91	01/91	--

AS OF FY90 QUARTER 4

RUN DATE: 11/26/90

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 17

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 NUMBERS:

RESOLUTION DATE: 01/91

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

- (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 DRAFT NUREG HAS BEEN PREPARED IN RESPONSE TO CRGR

DIRECTION.

AFFECTED DOCUMENTS

POTENTIAL SRP CHANGE AND/OR NUREG REPORTS.

PROBLEM/RESOLUTION

IN RESPONSE TO NRR CONCERN WITH THE RES STAFF'S PROPOSED INFORMATION GENERIC LETTER AND THE RES TRANSMITTAL LETTER TO CRGR, THE GL AND TRANSMITTAL LETTER WERE REVISED AND FORWARDED TO CRGR. CRGR INDICATED AN INTEREST IN REVIEWING THE GL, AND THE RES STAFF MADE A PRESENTATION TO CRGR ON 5/23/90. CRGR CONCURRED WITH THE PROPOSED INFORMATION GL WITH SOME MODIFICATIONS; HOWEVER, RECOMMENDED THAT THE RES STAFF SIMPLIFY THE NUMEROUS RELATED REFERENCES IN THE GL AND PUT IN A FORM THAT CAN BE EASILY MADE AVAILABLE TO THE PUBLIC. IN RESPONSE TO THIS DIRECTION, THE RES STAFF IS PREPARING A NUREG. HOWEVER, IN FY '90 QUARTER 4, THIS REQUIRED THE ADDITION OF 5 MILESTONES AND RESULTED IN A 6-MONTH SLIPPAGE OF THE NEXT TO THE LAST MILESTONE, AND AN ADDITIONAL 6-MONTH

AS OF FY90 QUARTER 4

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 79

TITLE: UNANALYZED RX VESSEL THERMAL STRESS DURING NATURAL CONVECTION COOLING

AFFECTED DOCUMENTS

PROBLEM/RESOLUTION

SLIPPAGE FOR THE REVISED FINAL MILESTONE IN ACCORDANCE WITH CURRENT NRC SCHEDULES FOR ISSUING GENERIC LETTERS.

M I L E S T O N E S	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
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 RAI/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 B&W DESIGN COMPLETED	08/86	--	05/89
PROPOSED CLOSEOUT MEMO TO ACRS	09/86	--	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-CRGR REVIEW)	10/89	--	05/90

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 79

TITLE: UNANALYZED RX VESSEL THERMAL STRESS DURING NATURAL CONVECTION COOLING

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
PROPOSED CLOSEOUT MEMO TO CRGR FOR CONCURRENCE	10/89	--	05/90
CRGR 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
NRR CONCURRENCE ON FINAL CLOSEOUT MEMO AND GENERIC LETTER	10/90	10/90	--
NRR ISSUANCE OF GENERIC LETTER	01/90	12/90	--
RES ISSUE FINAL CLOSEOUT MEMO	06/90	01/91	--

RUN DATE: 11/26/90

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 20

ISSUE NUMBER: 83 TITLE: CONTROL ROOM HABITABILITY
 IDENTIFICATION DATE: 11/83C PRIORITIZATION DATE: 06/84C TYPE: GCI PRIORITY:
 TASK MANAGER: C. FERRELL OFFICE/DIVISION/BRANCH: RES /DSIR/SAIB ACTION LEVEL: ACTIVE STATUS: NR
 TAC NUMBERS: RESOLUTION DATE: 02/91
 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
D2096	SAIC	CONTROL ROOM VULNERABILITIES

WORK SCOPE

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

STATUS

A PROGRAM OF SURVEY VISITS TO A TOTAL OF 11 PLANTS WAS INITIATED IN SEPTEMBER 1985. VISITS TO 11 OPERATING PLANTS HAVE BEEN COMPLETED. THE FINAL REPORT WAS ISSUED.

AFFECTED DOCUMENTS

SRP 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 III D 3.4, II B 2, 10 CFR 50: 50.47, APPENDIX R TO 10 CFR 50, NUREG-0700, NUREG-0737, SUPPLEMENT 1.

PROBLEM/RESOLUTION

CONTRACT FOR SAIC HELD BY CONTRACTS. FINALLY ISSUED TAP; DELAY DUE TO NRR PREPARATION OF GENERIC LETTER.

MILESTONES

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
WORKSHOP ON CRH	11/83	-	11/83

AS OF FY90 QUARTER 4

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 83

TITLE: CONTROL ROOM HABITABILITY

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
AWARD OF CONTRACT	02/84	--	01/84
VISIT TO INITIAL PLAN	03/84	--	05/84
REPORT ON CRH CRITERIA TO NRR DIRECTOR	06/84	--	06/84
COMPLETION OF CONTRACTOR VISITS TO OPERATING AND NTOL PLANTS	08/84	--	08/84
SOW WRITTEN FOR 12-PLANT SURVEY AND GENERIC STUDIES	11/84	--	10/84
RFP SENT TO POTENTIAL CONTRACTOR(S)	12/84	--	11/84
RECEIPT OF PROPOSAL(S)	02/85	--	03/85
INITIATE PROGRAM TO VISIT 12 ADDITIONAL OPERATING PLANTS	09/85	--	09/85
COMPLETE VISIT TO 11 OPERATING REACTORS	09/86	--	07/87
ISSUE TRANSFER MEMO TO RES	03/87	--	12/87
SOW SENT TO PNL FOR "MATHEMATICAL MODELS OF CONTROL ROOM HABITABILITY SYSTEMS EFFECTIVENESS" (FIN B2929-8)	04/88	--	04/88
SOW SENT TO SAIC FOR "CONTROL ROOM VULNERABILITIES" FIN 077969	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)	05/88	--	03/88
RECEIPT OF PROPOSAL	06/88	--	06/88
DRAFT CODE FFPF	10/88	--	11/88
DRAFT CODE EXTRAN	10/88	--	12/88

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 REPORT ON TOXIC LEVELS	11/88	--	01/89
PNL CONTRACT LATENED ON "NO-COST BASIS" UNTIL 03/90	10/89	--	10/89
ISSUE SAIC CONTRAC.	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	09/90	--
NRR ISSUES GL AND REVISED SRP TO CRGR	10/89	11/90	--
NRR ISSUES GEN. LTR & REVISED SRP	12/89	12/90	--
MEMO TO :CRS	01/91	01/91	--
ISSUE CLOSEOUT MEMO	03/90	02/91	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 87 TITLE: FAILURE OF HPCI STEAM LINE WITHOUT ISOLATION
 IDENTIFICATION DATE: 01/84C PRIORITIZATION DATE: 09/85C TYPE: GSI PRIORITY: H
 TASK MANAGER: O. ROTHEERG OFFICE/DIVISION/BRANCH: RES /DSIR/EIS ACTION LEVEL: ACTIVE STATUS:
 TAC NUMBERS: RESOLUTION DATE: 03/92
 WORK AUTHORIZATION: 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)
B5529	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, RCIC, RWCU 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

THE RES CONTRACTOR (INEL) HAS COMPLETED VALVE-CLOSURE DURING FLOW TESTS AT FULL WATER FLOW AND SATURATED STEAM CONDITIONS FOR SIX REPRESENTATIVE VALVES IN THE RWCU AND HPCI SYSTEMS. ISSUE WAS PROPOSED TO BE "RESOLVED" THROUGH REQUIREMENTS OF GENERIC LETTER 89-10 ISSUED 06/28/89 BY MEB/RES FOLLOWING JOINT RES/NRR DETERMINATION REGARDING ISSUANCE AND CONTENT OF A SUPPLEMENT TO THAT LETTER AND/OR

OTHER GUIDANCE FOR LICENSEES. OTHER GUIDANCE IS CURRENTLY BEING DEVELOPED BY NRC AND THE INDUSTRY IN THE FORM OF VALVE QUALIFICATION AND IN-PLANT TEST STANDARDS SUCH AS ANSI/ASME B16.41 (THE ANSI/ASME QV DRAFT), OM-8, AND OM-10. THIS OTHER GUIDANCE WILL INCORPORATE SOME OF THE FINDINGS OF THE BLOWDOWN TESTS.

AFFECTED DOCUMENTS

GENERIC LETTER 89-10 ISSUED UNDER GSI II E 6.1 ON JUNE 28, 1989.

PROBLEM/RESOLUTION

SCHEDULE WAS DELAYED BY NRR'S NONCONCURRENCE WITH THE RES-PROPOSED RESOLUTION. THIS RESULTED IN RES/NRR AGREEMENT TO DELAY GI-87 RESOLUTION UNTIL FURTHER DATA ANALYSIS IS COMPLETED AND THE NECESSITY FOR A GL-89-10 SUPPLEMENT AND/OR OTHER GUIDANCE FOR LICENSEES CAN BE RESOLVED. DATA ANALYSIS IS EXPECTED TO BE COMPLETED IN MARCH 1991, AND A

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 87

TITLE: FAILURE OF HPCI STEAM LINE WITHOUT ISOLATION

AFFECTED DOCUMENTS

PROBLEM/RESOLUTION

REPORT IS EXPECTED FROM INEL. A DECISION WILL BE MADE WITHIN 3 MONTHS OF THAT TIME CONCERNING THE NEED FOR ADDITIONAL GUIDANCE TO THE INDUSTRY IN THE FORM OF A SUPPLEMENT TO GL-89-10.

M I L E S T O N E S	ORIGI NAL D A T E	CURRENT D A T E	ACTUAL D A T E
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

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
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
ISSUE CONTRACTOR REPORT (ANALYSIS OF HIGH DELTA PRESSURE DATA)	06/90	--	08/90
ISSUE CONTRACTOR REPORT (HIGH DELTA PRESSURE DATA)	08/90	12/90	--
ISSUE CONTRACTOR REPORT (LOW DELTA PRESSURE DATA)	03/91	03/91	--
DECISION REGARDING SUPPLEMENT TO GL-89-10	07/90	06/91	--
DRAFT GL SUPPLEMENT APPROVED BY RES OFFICE DIRECTOR	08/90	09/91	--
NRR APPROVAL OF GL SUPPLEMENT	09/90	12/91	--
CRGR REVIEW	11/90	01/92	--
ACRS REVIEW	11/90	02/92	--
NRR ISSUE GL SUPPLEMENT	12/90	03/92	--
ISSUE CLOSEOUT MEMO	03/92	03/92	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 105 TITLE: INTERFACING SYSTEMS LOCA AT LWRS
 IDENTIFICATION DATE: 10/84C PRIORITIZATION DATE: 06/85C TYPE: GSI PRIORITY: H
 TASK MANAGER: G. BURDICK OFFICE/DIVISION/BRANCH: RES /DSIR/RPSI ACTION LEVEL: ACTIVE STATUS:
 TAC NUMBERS RESOLUTION DATE: 10/91
 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 BWR 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'S.

S T A T U S

THE RESOLUTION OF GI-105 WILL ENCOMPASS GI-96, "RHR 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'S," AND NUREG/5154, "INTERFACING SYSTEM LOCA IN

PWR'S," ARE COMPLETE. ET&C 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 CONCURRENCE 12/89 AND APPROVED 02/18/90.

AFFECTED DOCUMENTS

10CFR50 55A
 STANDARD TECHNICAL SPECIFICATIONS
 GENERIC LETTER (PROPOSED)

PROBLEM/RESOLUTION

THE STUDIES OF RISK FROM IS-LOCA OUTSIDE CONTAINMENT SUPPORT RESOLUTION OF GI-105 AS WELL AS AN NRC INTERSYSTEM LOCA ACTION DEVELOPED BY NRR. THE NRR PLAN DOES NOT ADDRESS IS-LOCA INSIDE CONTAINMENT, EXTERNAL EVENT INITIATORS, OR VALUE/IMPACT STUDIES TO SUPPORT STAFF RESOLUTION OF GI-105.

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 105

TITLE: INTERFACING SYSTEMS LOC' AT LWRS

AFFECTED DOCUMENTS

PROBLEM/RESOLUTION

INEL HAS BEEN CONTRACTED TO ACCOMMODATE THESE ADDITIONAL GI-105 NEEDS.

THE NRR PLAN DEALS WITH AUDITS OF PLANTS TO QUALITATIVELY IDENTIFY SUSCEPTIBILITY TO IS-LOCA. RES HAS FUNDED INEL TO PARTICIPATE AS AUDIT TEAM MEMBERS AS A VEHICLE FOR OBTAINING INFORMATION NECESSARY TO QUANTIFY RISKS. DESIGN, ENGINEERING, HUMAN PERFORMANCE SHAPING FACTORS, PREVENTIVE AND CORRECTIVE MAINTENANCE, AND PROCEDURAL INFORMATION WILL BE OBTAINED.

ALSO NEEDED FOR RISK QUANTIFICATION IS COMPONENT OVER-PRESSURE FRAGILITY INFORMATION. IMPEL CORP. WAS SUB-CONTRACTED BY INEL TO FULFILL THIS NEED. THE WORK WAS OF A QUALITY AND GENERIC APPLICABILITY TO WARRANT PUBLICATION SEPARATELY.

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 RECS 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	06/85	--	06/85
PRELIMINARY DISCUSSION OF WORK PLAN WITH BNL	06/85	--	06/85
BNL PRELIMINARY COST ESTIMATE OF WORK PLAN	09/85	--	08/85
DEVELOP WORK PLAN AND CONTRACT PROPOSAL	09/85	--	08/85
DRAFT WORK PLAN TO DIRECTORS, DSI, DE, DL, DHFS, AND AEOB	09/85	--	08/85
INCORPORATE COMMENTS INTO WORK PLAN	10/85	--	10/85
FINAL WORK PLAN APPROVED BY DSI DIRECTOR AND FORWARDED TO DST	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 VERIF. 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 APPROV 50.54(F) LETTER TO ALL LICENSEES REGARDING VERIFICATION OF PIV'S	09/86	--	03/87
{NRR/DSRG} ISSUE 10 CFR 50.54(F) LETTER 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 BNDRY	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 DAVIS-BESSE ANALYSIS, IDENTIFY PRELIMINARY PWR RESOLUTION ALTERNATIVES	09/90	--	09/90
IDENTIFY GI 105 RESOLUTION NEEDS FOR BWRS PUBLISH IMPEL COMPONENT FRAGILITY RESULTS	09/90	10/90	--
ACRS REVIEW DAVIS-BESSE	11/90	11/90	--

RUN DATE: 11/26/90

PAGE: 29

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
----- COMPLETE CATAWBA ANALYSIS; DRAFT RESOLUTION	11/90	12/90	--
EVALUATE IS-LOCA INSIDE CONTAINMENT; EVALUATE IS-LOCA EXTERNAL EVENT INITIATORS VALUE/IMPACT STUDY	12/90	12/90	--
COMPLETE WATERFORD ANALYSIS	01/91	01/91	--
COMPLETE GI-105 DRAFT REGULATORY ANALYSIS	04/88	02/91	--
ACRS/CRGR REVIEW OF PROPOSED RESOLUTION	10/88	08/91	--
ISSUE GENERIC LETTER AND CLOSE OUT ISSUE	04/89	10/91	--

AS OF FY90 QUARTER 4

RUN DATE: 11/26/90

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 30

ISSUE NUMBER 106

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

IDENTIFICATION DATE 10/84C

PRIORITIZATION DATE: 11/87C

TYPE: GSI

PRIORITY: M

TASK MANAGER: C. GRAVES

OFFICE/DIVISION/BRANCH: RES /DSIR/RPSI

ACTION LEVEL: ACTIVE

STATUS:

TAC NUMBERS:

RESOLUTION DATE: 05/91

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

FIN	CONTRACTOR	CONTRACT TITLE
A6198	INEL	DISTRIBUTION OF HYDROGEN GAS IN VITAL AREAS

WORK SCOPE

SEARCH LERS AND INDUSTRIAL DATABASES FOR OPERATIONAL SAFETY EXPERIENCE INVOLVING COMBUSTIBLE GASES. EVALUATE INFORMATION TO ESTIMATE FREQUENCY AND SEVERITY OF POSSIBLE EVENTS. ASSESS EVENTS IN TERMS OF CURRENTLY ACCEPTABLE STAFF GUIDELINES FOR EQUIPMENT DESIGN AND HANDLING OF COMBUSTIBLE GASES AND REEVALUATE RISK ASSOCIATED WITH LACK OF PLANT CONFORMANCE TO CURRENTLY ACCEPTABLE GUIDELINES (E.G., INCORPORATION OF EXCESS FLOW CHECK VALVES OR EQUIVALENT PROTECTION AGAINST H2 PIPE BREAKS). EVALUATE

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

STATUS

DURING A STAFF CHECK OF THE DRAFT INEL REPORT ON A SCOPING PRA FOR BWR'S, IT WAS FOUND THAT AN ERROR IN THE INFORMATION FOR THE SELECTED PLANT FROM THE REGION SURVEY GAVE A SIGNIFICANT OVERESTIMATE IN THE RISK FROM THE TANK-FARM ASSOCIATED WITH SAFETY-RELATED AIR INTAKES. IN ADDITION, A CHECK OF THE SITE PLANS AND BUILDING DRAWINGS PLUS BRIEF TELEPHONE CONVERSATIONS ABOUT TWO OTHER PLANTS WHICH DID NOT MEET THE EPRI GUIDELINES SHOWED OTHER MITIGATING FEATURES WHICH GAVE LOW RISK. HENCE, A TELEPHONE SURVEY INVOLVING NRP, RES, AND INEL WAS STARTED IN LATE AUGUST AND IS NEARLY COMPLETE. THE SURVEY WILL PROVIDE A SIGNIFICANT IMPROVEMENT IN INFORMATION ON HYDROGEN TANK FARMS FOR PWR'S AND BWR'S WHICH DID NOT MEET THE EPRI GUIDELINES FOR SEPARA-

TION DISTANCES FROM A) SAFETY-RELATED AIR INTAKES AND B) FROM SAFETY-RELATED BUILDINGS AS DETERMINED BY TANK FARM DETONATION. THE SURVEY SHOWS THAT MOST PLANTS HAVE OTHER OFFSETTING FEATURES. BECAUSE OF THIS SURVEY, THE REVISED DRAFT OF THE PWR REPORT RECEIVED ON 08/20/90 DID NOT CONTAIN A SECTION ON TANK FARM RISK. THIS WORK WILL BE COVERED IN A SEPARATE DRAFT REPORT AND INCLUDED IN THE FINAL REPORT ON THE PROJECT. THE RESULTS IN THE PWR AND BWR REPORTS WERE PRESENTED BY INEL ON 08/30/90. THE REPORTS ARE BEING REVIEWED BY THE STAFF. SIGNIFICANT REVISIONS OF THE REPORTS ARE EXPECTED. THE DEADLINE FOR COMPLETION OF THE FINAL REPORTS WAS SET FOR 10/30/90.

AS OF FY90 QUARTER 4

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 106

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

AFFECTED DOCUMENTS

SRP 9.5.1

PROBLEM/RESOLUTION

INCREASED EFFORTS AT INEL TO ADDRESS THE SENSITIVITY ANALYSES AND GENERIC APPLICABILITY OF THE PRA REDUCED THE CONTRACT UNDERSCHEDULING AND UNDEREXPENDITURE TRIPS WERE MADE TO OCOSEE 1, 2, AND 3, TMI-1, AND HADDAM NECK TO OBTAIN INFORMATION FOR THE GENERIC ANALYSIS. THIS WILL BE COMBINED WITH INFORMATION FROM THE PREVIOUS PLANT TRIPS AND INCORPORATED IN THE FINAL REPORTS.

ON 09/14/90, INEL NOTIFIED US OF A NEW PROBLEM WITH THE EPRI GUIDELINES WHICH MAY HAVE A SIGNIFICANT EFFECT ON THE SCHEDULE. INEL HAD BEEN ASKED TO REVIEW THE BASIS FOR THE GUIDELINES AS PART OF THE PROJECT EFFORT. THE HYDROGEN AND EXPLOSION EXPERTS AT INEL, WHO ALSO HAVE A CONTRACT WITH THE ARMY, NOTED THAT THE DETONATION SEPARATION DISTANCE WAS BASED, IN PART, ON RELATIONS FROM THE ARMY TECHNICAL MANUAL TMS-1300. IT WAS RECENTLY DISCOVERED THAT THESE RELATIONS ARE INADEQUATE AND DID NOT AGREE WELL WITH EXPERIMENT. NEW CALCULATIONS BY INEL WERE IN GOOD AGREEMENT WITH THE EXPERIMENTAL RESULTS. INEL NOW HAS A CONTRACT TO REVISE THE MANUAL. THE NEW INFORMATION HAS IMPLICATIONS FOR GSI-106 AND OTHER STAFF CONCERNS (SEE R G 1 91). A MEETING INVOLVING RES, NRR, AND INEL IS SCHEDULED FOR 10/30/90. INEL WILL PRESENT THE RESULTS OF THE IMPROVED CALCULATIONS FOR A FEW TEST CASES. THE SCHEDULE MAY BE REVISED AFTER THIS MEETING.

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

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

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

ISSUE NUMBER: 106

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
COMPLETE REPORT ON SURVEY	03/89	--	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 TER ON TASK 2 (LEAK FREQ AND POTENTIAL DAMAGE)	01/90	--	01/90
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 CAMERA READY COPY OF NUREG/CR 611 ENTIRE PROJECT	09/90	10/90	--
DRAFT REGULATORY ANALYSIS COMPLETED	01/90	10/90	--
CRGR PACKAGE COMPLETED	02/90	11/90	--
CRGR PACKAGE TO NRR FOR COMMENTS	03/90	11/90	--
DIRECTOR, RES. APPROVAL	04/90	12/90	--
CRGR/ACRS REVIEW	05/90	01/91	--
PACKAGE MODIFIED TO REFLECT CRGR/ACRS	06/90	02/91	--
COMMUNICATIONS SENT TO AFFECTED LICENSEES BY DIRECTOR OF NRR	09/90	05/91	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 113 TITLE: DYNAMIC QUALIF. TESTING OF LARGE BORE HYDRAULIC SNUBBERS
 IDENTIFICATION DATE: 09/82C PRIORITIZATION DATE: 07/87C TYPE: GSI PRIORITY: H
 TASK MANAGER: J. PAGE OFFICE/DIVISION/BRANCH: RES /DSIR/EIB ACTION LEVEL: ACTIVE STATUS:
 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

- PERFORM LITERATURE SEARCH AND OBTAIN COPIES OF PERTINENT PERIODICALS, PROFESSIONAL SOCIETY PUBLICATIONS, INPO DOCUMENTS, ETC.
- SURVEY INDUSTRY TO DETERMINE TYPES AND NUMBERS OF LARGE BORE HYDRAULIC SNUBBERS (LBH'S) USED IN U.S. PLANTS
- OBTAIN DESIGN INFORMATION AND OPERATING LIMITS FROM LBHS MANUFACTURERS.
- OBTAIN AND EVALUATE OPERATING EXPERIENCE DATA (NPRDS, LERS, REF. AEOD CASE STUDY AEOD/E423, ETC.)
- OBTAIN AND EVALUATE ENVIRONMENTAL AND DYNAMIC QUALIFICATION INFORMATION.
- ASSESS CURRENT LBHS TEST AND SURVEILLANCE REQUIREMENTS AS CONTAINED IN PLANT TECHNICAL SPECIFICATIONS INCLUDING APPLICABLE ASME SECTION XI.
- DETERMINE STATE-OF-THE-ART TESTING CAPABILITIES AVAILABLE IN U.S. INDUSTRY, INCLUDING PORTABLE EQUIPMENT ONLY AVAILABLE AT TEST LABORATORIES.
- EVALUATE FEASIBILITY OF PERFORMING PERIODIC INSERVICE SURVEILLANCE/TESTS ON INSTALLED LBHS'S.
- ASSESS THE OVERALL IMPACT OF SNUBBER REDUCTION INITIATIVES AND THE GDC-4 BROAD SCOPE RULE IMPLEMENTATION ON THE UTILIZATION OF LBH'S.
- PERFORM SINGLE FAILURE SCOPING ANALYSIS.
- PERFORM DETAILED SINGLE FAILURE CONSEQUENCE ANALYSIS.
- IDENTIFY POTENTIAL IMPROVEMENTS IN LBH'S RELIABILITY AND THE ASSOCIATED COSTS/BENEFITS.
- DEVELOP STAFF RECOMMENDATIONS FOR ENVIRONMENTAL/DYNAMIC QUALIFICATION AND INSERVICE TESTING/SURVEILLANCE.
- PROVIDE CONTINUING SUPPORT TO NRC STAFF IN RESPONDING TO ACRS, OTHER NRC OFFICES, CRGR AND PUBLIC COMMENTS, AND IN MAKING NECESSARY CHANGES TO THE FINAL RES PACKAGE.

S T A T U S

CONTRACTOR AND RES STAFF VISITED A C-E PWR TO REVIEW THE PHYSICAL CONFIGURATION OF THE PRIMARY AND SECONDARY SYSTEM WHICH WILL BE MODELED FOR THE LBHS SINGLE FAILURE

ANALYSIS. INFORMATION NEEDED FOR THIS ANALYSIS HAS ALSO BEEN OBTAINED FROM THE UTILITY AND THE NSSS VENDOR.

ISSUE NUMBER: 113

TITLE: DYNAMIC QUALIF. TESTING OF LARGE BORE HYDRAULIC SNUBBERS

AFFECTED DOCUMENTS	PROBLEM/RESOLUTION
{A} ASME SECTION XI {B} ANSI/ASME OM-4 {C} SRP 3.9.3 {D} STANDARD TECHNICAL SPECIFICATIONS {E} CUSTOM TECHNICAL SPECIFICATIONS	NONE

MILESTONES	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
FINAL TAP APPROVED BY DE DIRECTOR	04/88	--	07/88
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.	02/88	--	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	--	12/88
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.	12/88	--	06/89

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 113

TITLE: DYNAMIC QUALIF. TESTING OF LARGE BORE HYDRAULIC SNUBBERS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
WITH CONTRACTOR ASSISTANCE, DETERMINE STATE-OF-THE-ART TESTING CAPABILITIES AVAILABLE IN U.S. INDUSTRY	03/89	--	02/89
WITH CONTRACTOR ASSISTANCE, COMPLETE FEASIBILITY EVAL. OF PERFORMING PERIODIC INSERVICE SURVEILLANCE/TESTS ON LBHS'S	04/89	--	05/89
WITH CONTRACTOR ASSISTANCE, COMPLETE ASSESS OF IMPACT OF SNUBBER REDUCTION INITIATIVES AND GDC-4 BROAD SCOPE RULE ON USE OF LBHS'S	05/89	--	05/89
DRAFT VALUE/IMPACT	06/89	--	10/89
CONTRACTOR TO COMPLETE SINGLE FAILURE SCOPING ANALYSES	07/90	--	07/90
CONTRACTOR TO COMPLETE DETAILED SINGLE FAILURE CONSEQUENCE ANALYSES	09/90	--	09/90
REVISED VALUE/IMPACT REPORT	01/90	--	09/90
COMPLETE DTR PACKAGE FOR DEPUTY DIRECTOR COMMENT	08/89	11/90	--
DTR PACKAGE TO OTHER OFFICE FOR CONCURRENCE	09/89	12/90	--
DTR PACKAGE TO CRGR	12/89	03/91	--
DTR PACKAGE TO ACRS	12/89	03/91	--
CRGR REVIEW (29)	02/90	05/91	--
DTR PACKAGE ISSUED FOR PUBLIC COMMENT	05/90	08/91	--
PUBLIC COMMENTS RECEIVED	07/90	09/91	--
FTR PACKAGE PREPARED	10/90	11/91	--
FTR PACKAGE TO OTHER OFFICES	01/91	01/92	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 113

TITLE: DYNAMIC QUALIF. TESTING OF LARGE BORE HYDRAULIC SNUBBERS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
FTR PACKAGE TO CGRG	04/91	04/92	--
CRGR REVIEW OF FTR (53)	06/91	06/92	--
FTR PACKAGE ISSUED	09/91	09/92	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 119.1 TITLE: PIPE RUPTURE REQUIREMENTS
 IDENTIFICATION DATE: 07/85C PRIORITIZATION DATE: 09/85C TYPE: RI PRIORITY:
 TASK MANAGER: S LEE OFFICE/DIVISION/BRANCH: NRR /DEST/EMTB ACTION LEVEL: ACTIVE STATUS: 5
 TAC NUMBERS: RESOLUTION DATE: _____
 WORK AUTHORIZATION: MEMO TO R. MINOGUE FROM H. DENTON DATED 9/10/85

FIN	CONTRACTOR	CONTRACT TITLE
A0133	LLNL	LOAD COMBINATIONS

W O R K S C O P E

PREPARE REGULATORY ANALYSIS ASSOCIATED WITH PROPOSED SRP REVISIONS AND GDC-4 AMENDMENT IN ACCORDANCE WITH A 01/08/87 MEMO FROM R. BOSNAK TO K. KNIEL, 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 12/84. 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 GL WERE PUBLISHED. ALL REMAINING ISSUES RELATE TO NRR - NO TASK MANAGERS ASSIGNED. NRR/DST 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.

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

- {1} 10 CFR 50, APPENDIX A, GDC 4.
- {2} SRP SECTION 3.6.2
- {3} SRP SECTION 3.6.3 (NEW SECTION)

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

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	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
PRC FINAL RPT CONTAINING RECOMMEND FOR DECOUPLING LOCA, SSE & ARBITRARY INTERMED. PIPE BREAKES ISSUED TO EDO (SRP 3.6.2)	05/85	--	05/85
SRP REVISION AND REGULATORY ANALYSIS COMPLETE (SRP 3.6.2)	04/86	--	04/86
DIVISION DIRECTOR REVIEW OF CRGR PACKAGE COMPLETE (SRP 3.6.2)	06/86	--	07/86
DIVISION DIRECTOR'S COMMENTS RESOLVED, CRGR PACKAGE TO NRR DIRECTOR FOR REVIEW (SRP 3.6.2)	07/86	--	08/86
NRR DIRECTOR REVIEW COMPLETE, PACKAGE SENT TO CRGR (SRP 3.6.2)	08/86	--	09/86
CRGR REVIEW COMPLETE, PACKAGE SENT TO ACRS (SRP 3.6.2)	10/86	--	10/86
ACRS REVIEW COMPLETE (SRP 3.6.2)	12/86	--	11/86
FRN ISSUED FOR PUBLIC COMMENT (SRP 3.6.2)	01/87	--	12/86
ANALYSIS COMPLETE (SRP 3.6.2)	03/87	--	03/87
DIVISION DIRECTOR REVIEW COMPLETE (SRP 3.6.2)	04/87	--	01/87
PUBLIC COMMENTS RESOLVED, FINAL CRGR PACKAGE TO DIVISION DIRECTORS FOR REVIEW (SRP 3.6.2)	05/87	--	01/87
COMMENTS RESOLVED, FINAL CRGR PACKAGE TO NRR DIR. FOR REVIEW (SRP 3.6.2)	07/87	--	02/87
PACKAGE SENT TO CRGR (SRP 3.6.2)	08/87	--	03/87
PACKAGE SENT TO ACRS (SRP 3.6.2)	10/87	--	03/87

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 119.1

TITLE: PIPE RUPTURE REQUIREMENTS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
ACRS REVIEW COMPLETE (SRP 3.6.2)	12/87	--	06/87
FRN OF ISSUANCE OF SRP 3.6.2	01/88	--	06/87
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 RES 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	--	06/87
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 B' JAD SCOPE RULE (GDC-4)	02/87	--	10/87
PUBLIC COMMENTS RESOLVED, CRGR PACKAGE SENT TO DIVISION DIRECTORS (SRP 3.6.3)	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	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 119.1

TITLE: PIPE RUPTURE REQUIREMENTS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
ACRS AND CRGR REVIEW COMPLETE (SRP 3.6.3)	04/88	TBD	--
FRN OF ISSUANCE OF SRP 3.6.3	05/88	TBD	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 119.2 TITLE: PIPE DAMPING VALUES
 IDENTIFICATION DATE: 07/85C PRIORITIZATION DATE: 09/85C TYPE: RI PRIORITY:
 TASK MANAGER: D. GUZY OFFICE/DIVISION/BRANCH: RES /DE /SSEB ACTION LEVEL: ACTIVE STATUS: 5
 TAC NUMBERS: NONE RESOLUTION DATE: 07/90C
 WORK AUTHORIZATION: MEMO TO R. MINOGUE FROM H. DENTON DATED 9/10/85.

FIN	CONTRACTOR	CONTRACT TITLE
A0457	LLNL	PIPE DAMPING FOR TIME-HISTORY ANALYSIS
A6316	INEL	PIPE DAMPING

WORK SCOPE

COLLECT DATA AND CONDUCT EXPERIMENTS TO OBTAIN PIPE DAMPING VALUES.

PROVIDE BASIS FOR PIPE DAMPING CRITERIA USED IN TIME-HISTORY ANALYSIS.

STATUS

A MEETING WAS HELD 07/10/86 WITH RES, NRR, AND REPRESENTATIVES OF THE ASME AND PVRC DAMPING TASK GROUPS. THE DECISION WAS MADE TO DELAY WORK ON REGULATORY GUIDE 1.61 UNTIL THE ASME GROUP COMPLETES ITS NEW EFFORT.

THE INEL STUDY OF HIGH FREQUENCY PIPE-DAMPING WAS COMPLETED WITH THE PUBLICATION OF NUREG/CR-4562 IN JULY 1986.

THE WORK ON LLNL FIN A0457 WAS PRESENTED TO THE NRC STAFF ON OCTOBER 1987. THE FINAL REPORT OF THIS STUDY WAS PUBLISHED IN FEBRUARY 1988.

RECOMMENDATIONS FROM THE INEL STUDY ON HIGH FREQUENCY DAMPING WERE APPROVED BY THE PVRC PIPING COMMITTEES IN JANUARY 1987, BUT THEIR ACTION HAS BEEN TO PASS THIS ALONG TO THE ASME TASK GROUP. JACK WARE OF INEL WILL CONTINUE TO SERVE AS THE NRC CONSULTANT ON PIPE DAMPING AND WILL MONITOR AND SUPPORT NEW ASME ACTIVITIES IN THIS AREA. INEL IS ALSO GATHERING NEW HIGH STRAIN DAMPING DATA FROM NEW PIPE TESTS.

THE ASME TASK GROUP WILL CONSIDER ALL DAMPING ASPECTS, INCLUDING HIGH FREQUENCY AND ANALYTIC APPLICATION AS A COMPLETE PACKAGE. THIS PACKAGE WILL BE CONSIDERED IN SCHEDULING FURTHER ACTION ON R.G. 1.61 (THUS THE ESTABLISHMENT OF AN NRC NON-SEISMIC AND TIME-HISTORY PIPE DAMPING STANDARD HAS BEEN DROPPED AS A SEPARATE MILESTONE). A MAJOR INPUT INTO THIS ASME EFFORT WILL BE A NEW DAMPING REGRESSION ANALYSIS BY BECHTEL. THE EPRI/BECHTEL PIPE DAMPING STUDY WAS PUBLISHED IN OCTOBER 1988. ASME CODE ACTIVITIES TO REVISE APPENDIX N'S PIPE DAMPING CRITERIA HAVE BEGUN. AN INFORMATION PACKAGE ON THIS WAS DISTRIBUTED BY D. GUZY ON 12/20/88. THE ASME CODES NOW CONSTITUTE THE MEANS FOR TECHNICAL RESOLUTION OF APPROPRIATE DAMPING VALUES. COMPLETION OF THE EFFORT IS CONTROLLED BY ASME NOT THE NRC. CONSEQUENTLY, THIS ISSUE WILL BE DROPPED. A RESOLUTION MEMORANDUM WAS ISSUED ON 7/16/90.

RUN DATE: 11/26/90

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 42

ISSUE NUMBER: 119.2

TITLE: PIPE DAMPING VALUES

AFFECTED DOCUMENTS

REGULATORY GUIDES 1.84 AND 1.61
SRP SECTION 3.9.2

PROBLEM/RESOLUTION

*** NONE ***

MILESTONES

ISSUE REV. 24 OF R.G. 1.84
ENDORING ASME CODE N-411.

CLOSE OUT ISSUE

ORIGINAL
DATE

05/86

11/87

CURRENT
DATE

--

--

ACTUAL
DATE

06/86

07/90

AS OF FY90 QUARTER 4

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. MINOGUE FROM H. DENTON DATED 9/10/85.

FIN	CONTRACTOR	CONTRACT TITLE
NONE	NONE	NONE

WORK SCOPE

TO BE PROVIDED LATER.

STATUS

TO BE DETERMINED.

AFFECTED DOCUMENTS

PROBLEM/RESOLUTION

10 CFR 100, APPENDIX A, A LIST OF OTHER DOCUMENTS TO BE PROVIDED LATER.

NONE

MILESTONES

ORIGINAL DATE

CURRENT DATE

ACTUAL DATE

DEVELOP TAP

TBD

TBD

--

RUN DATE: 11/26/90

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 44

ISSUE NUMBER: 119.4 TITLE: BWR PIPING MATERIALS
 IDENTIFICATION DATE: 07/85C PRIORITIZATION DATE: 09/85C TYPE: RI PRIORITY:
 TASK MANAGER: A. TABOADA OFFICE/DIVISION/BRANCH: RES /DE /MEB ACTION LEVEL: ACTIVE STATUS: 5
 TAC NUMBERS: NONE RESOLUTION DATE: 12/90
 WORK AUTHORIZATION: MEMO TO R. MINOGUE FROM H. DENTON DATED 9/10/85.

FIN	CONTRACTOR	CONTRACT TITLE
A2212	ANL	ENVIRONMENTALLY ASSISTED CRACKING IN LWRS

WORK SCOPE

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

STATUS

NUREG-0313, REV. 2, "TECHNICAL REPORT ON MATERIAL SELECTION AND PROCESSING GUIDELINES FOR BWR COOLANT PRESSURE BOUNDARY PIPING," WAS APPROVED BY THE COMMISSION (SECY 87-239) FOR IMPLEMENTATION AND ISSUANCE OF GENERIC LETTER R.G. 1.44 WILL BE WITHDRAWN.

AFFECTED DOCUMENTS

PROBLEM/RESOLUTION

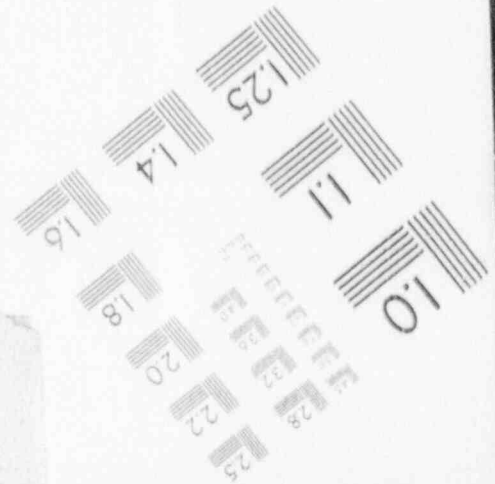
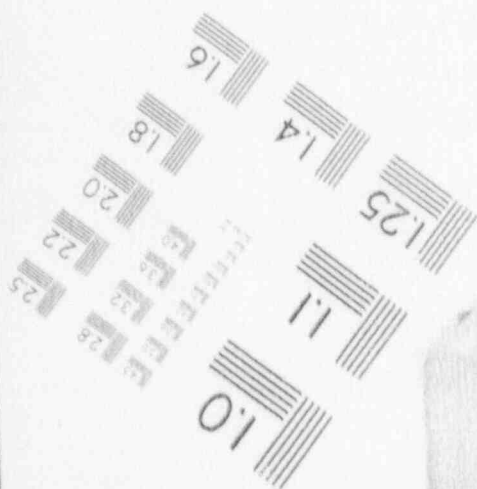
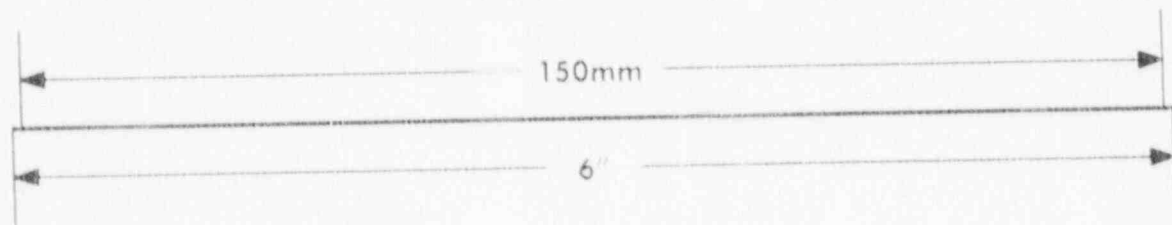
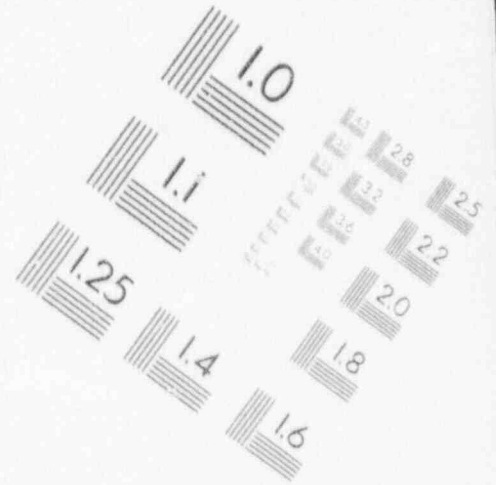
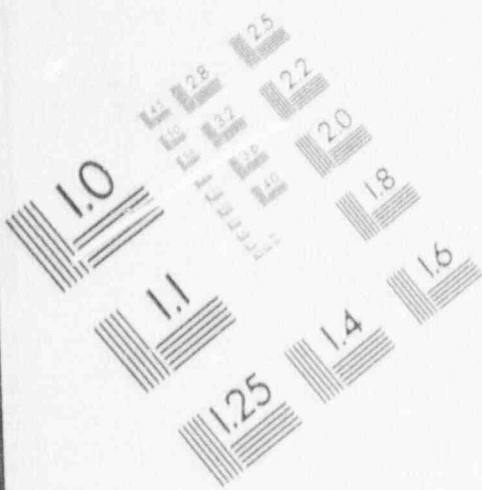
R.G. 1.44 AND NUREG-0312, "TECHNICAL REPORT ON MATERIAL SELECTION AND PROCESSING GUIDELINES FOR PWR COOLANT PRESSURE BOUNDARY PIPING." NONE

MILESTONES	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
SECY-84-301 TO COMMISSION	07/84	--	07/84
PUBLISH NUREG-1061, VOL. 1	09/84	--	09/84
PUBLISH NUREG-1061, VOL. 5	04/85	--	04/85

AS OF FY90 QUARTER 4

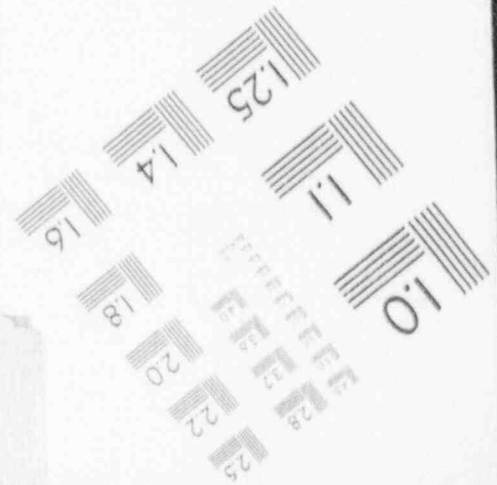
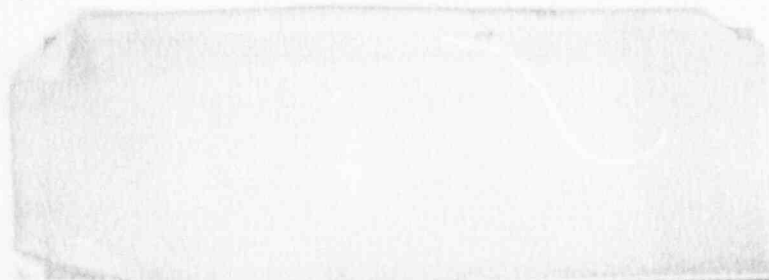
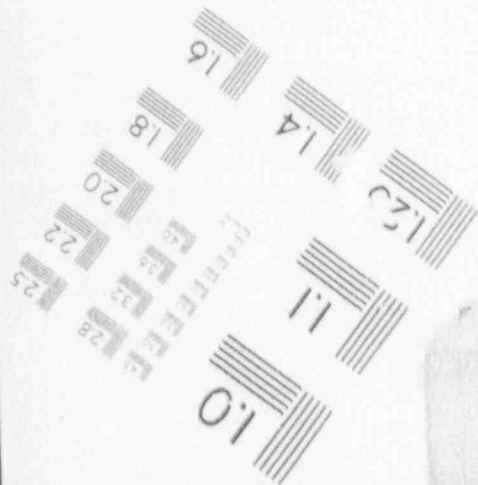
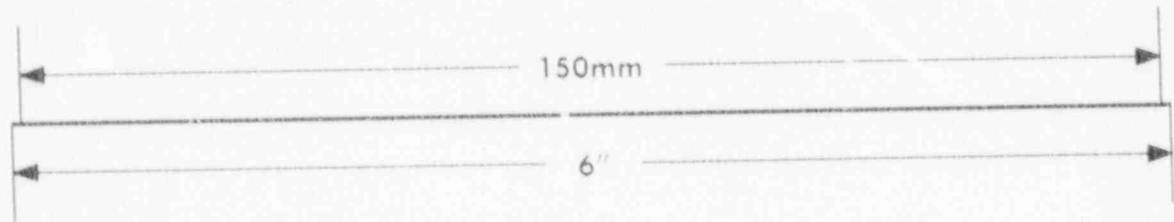
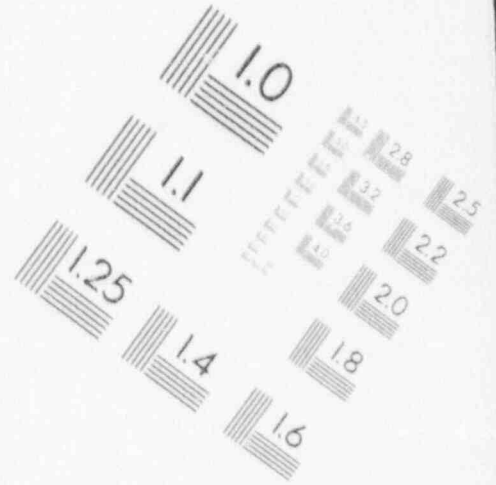
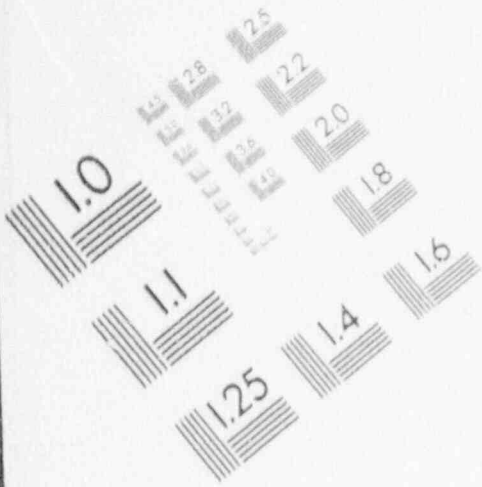
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IMAGE EVALUATION TEST TARGET (MT-3)



1

IMAGE EVALUATION TEST TARGET (MT-3)



RUN DATE: 11/26/90

PAGE: 45

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 119 4

TITLE: BWR PIPING MATERIALS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
----- 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	12/90	--

AS OF FY90 QUARTER 4

RUN DATE: 11/26/90

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 46

ISSUE NUMBER: 119.5 TITLE: LEAK DETECTION REQUIREMENTS
IDENTIFICATION DATE: 07/85C PRIORITIZATION DATE: 09/85C TYPE: RI PRIORITY:
TASK MANAGER: J. MUSCARA OFFICE/DIVISION/BRANCH: RES /DE /MEB ACTION LEVEL: ACTIVE STATUS: 5
TAC NUMBERS: RESOLUTION DATE: 04/91
WORK AUTHORIZATION: MEMO TO R. MINOGUE FROM H. DENTON DATED 9/10/85.

FIN	CONTRACTOR	CONTRACT TITLE
A2250	ANL	EVALUATION OF CURRENT AND ADVANCED LEAK DETECTION SYSTEMS
B5701	BCL	SHORT CRACKS IN PIPING
B5702	BCL	SHORT CRACKS IN PIPING
D1658	BCL	LEAK RATE EVALUATION

WORK SCOPE

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

STATUS

NUREG-0313, REV. 2, APPROVED BY THE COMMISSION AND PUBLISHED

AFFECTED DOCUMENTS

- (1) REGULATORY GUIDE 1.45
- (2) SRP SECTION 5.2.5
- (3) NUREG-0313, "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-4813 REV 1. RESEARCH ON ADVANCED LEAK DETECTION SYSTEM COMPLETED AND APPLICATION PROCEDURES DEVELOPED. FINAL REPORT NUREG/CR-5134 PUBLISHED OCT. 1988. 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

AS OF FY90 QUARTER 4

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 119.5

TITLE: LEAK 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 LEAK 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.

M I L E S T O N E S

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
SECY-84-301 TO COMMISSION	07/84	--	07/84
PUBLISH NUREG-1061, VOL. 1	09/84	--	09/84
PUBLISH NUREG-1061, VOL. 5	04/85	--	04/85
COMPLETE DRAFT OF 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
REVISE 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
GL ISSUED	04/87	--	01/88
DEVELOP SCHEDULE TO REVISE R.G. 1.45	01/88	04/91	--
DEVELOP SCHEDULE TO REVISE SRP SECTION 5.2.5	12/88	04/91	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

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: 02/91
 WORK AUTHORIZATION: MEMO TO F. GILLESPIE FROM T. SPEIS DATED 9/26/85.

FIN	CONTRACTOR	CONTRACT TITLE
A3977	BNL	PWR DRY CONTAINMENT PERFORMANCE
A6890	INEL	PWR DRY CONTAINMENT VENTING/ENHANCEMENT
L1079	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-83-357B, 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 1986. CPI PROGRAM PART OF RESOLUTION OF THIS ISSUE IS COMPLETE. A DRAFT CLOSEOUT MEMO TO RES DIRECTOR IS BEING PREPARED.

AFFECTED DOCUMENTS

TO BE DETERMINED.

PROBLEM/RESOLUTION

SNL HAS BEEN DIVERTED TO OTHER TASKS.

MILESTONES

MILESTONES	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
RESEARCH COMPLETE	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 DRA	--	--	08/88
PROVIDE MILESTONES	09/88	--	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	10/90	--
DRAFT CLOSEOUT MEMO TO RES DIRECTOR	10/90	10/90	--
DRAFT CLOSEOUT MEMO TO NRR	11/90	11/90	--
PACKAGE TO ACRS	12/90	12/90	--
ACRS MEETING	01/91	01/91	--
CLOSEOUT MEMO TO EDO	02/91	02/91	--

RUN DATE: 11/26/90

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 50

ISSUE NUMBER: 128 TITLE: ELECTRICAL POWER RELIABILITY
IDENTIFICATION DATE: 05/86C PRIORITIZATION DATE: 11/86C TYPE: GSI PRIORITY: H
TASK MANAGER: D. THATCHER OFFICE/DIVISION/BRANCH: RES /DSIR/EIB ACTION LEVEL: ACTIVE STATUS:
TAC NUMBERS: RESOLUTION DATE: 11/90
WORK AUTHORIZATION: MEMO FOR H. DENTON FROM T. SPEIS DATED 11/28/86

FIN	CONTRACTOR	CONTRACT TITLE
D6025	INEL	INTEGRATION OF ELECTRICAL POWER ISSUES

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 ONSITE ELECTRICAL POWER SYSTEMS HAVE BEEN DOCUMENTED (NUREG-0933) AND ARE IN VARIOUS STAGES OF RESOLUTION. THESE ISSUES INCLUDE: A-30, "ADEQUACY OF SAFETY-RELATED DC POWER SUPPLIES;" 48, "LCO FOR CLASS 1E VITAL INSTRUMENT BUSES IN OPERATING REACTORS;" 49, "INTERLOCKS AND LCOS FOR REDUNDANT CLASS 1E TIE BREAKERS"

A NUMBER OF OTHER ISSUES AND CONCERNS CONCERN THE ONSITE 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 ENDORSEMENTS 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, AEOD AND NRR WERE CONTACTED. RELEVANT AEOD 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 SUBMITTING ALL THE RELATED ISSUES AND RECOMMENDED A PLAN FOR DEALING 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 ANALYSES PERFORMED IN TASK 2.

INEL WILL COMPLETE NECESSARY ANALYSIS AND PREPARE DRAFT DOCUMENTS FOR NRC STAFF SUBMISSION TO CRG. 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-48 AND GI-49 AND THE NRR (F. GILLESPIE) BY MEMORANDUM DATED DECEMBER 11, 1989.

PROPOSED GENERIC LETTER FOR GI A-30 HAVE BEEN FORWARDED TO

AS OF FY90 QUARTER 4

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 128

TITLE: ELECTRICAL POWER RELIABILITY

AFFECTED DOCUMENTS

-
- 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-19469, "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.

PROBLEM/RESOLUTION

RES IS TRYING TO HELP NRR GET THE GENERIC LETTERS ISSUED. NUMEROUS NRR MANAGEMENT QUESTIONS AND OTHER NRR PRIORITIES HAVE CAUSED SIGNIFICANT DELAY. PER AGREEMENT BETWEEN NRR AND RES, RES WILL BE RESPONSIBLE FOR REVIEWING THE RESPONSES TO THE GENERIC LETTER ON A-30.

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 DTR 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
DTR PACKAGE TO CRGR (29)	07/88	--	05/89
ACRS REVIEW OF DTR COMPLETED	09/88	--	06/89
CRGR 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

RUN DATE 11/26/90

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GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE ELECTRICAL POWER RELIABILITY

ISSUE NUMBER 128

-----	ORIGINAL	CURRENT	ACTUAL
ISSUE	DATE	DATE	DATE
GENERIC LETTERS/CLOSEOUT MEMO	12/89	11/90	---

RUN DATE: 11/26/90

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 53

ISSUE NUMBER: 130 TITLE: ESSENTIAL SERVICE WATER SYSTEM FAILURES AT MULTIPLANT SITES
IDENTIFICATION DATE: 06/86C PRIORITIZATION DATE: 03/87C TYPE: GSI PRIORITY: H
TASK MANAGER: D. L. BASDEKAS OFFICE/DIVISION/BRANCH: RES /DSIR/RPSI ACTION LEVEL: ACTIVE STATUS:
TAC NUMBERS: RESOLUTION DATE: 07/91
WORK AUTHORIZATION: MEMO TO T. SPEIS FROM H. DENTON DATED 3/10/87

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

W O R K S C O P E

THIS ISSUE RELATES TO THE RELIABILITY OF THE EMERGENCY SERVICE WATER (ESW) SYSTEM OF MULTIPLANT SITES HAVING TWO ESW PUMPS PER PLANT. STUDIES WILL BE PERFORMED TO DETERMINE IF THE ESW SYSTEM RELIABILITY AT SUCH PLANTS IS ADEQUATE. THE POTENTIAL BENEFITS OF ADDING AN ESW PUMP AT EACH PLANT OR A SWING ESW PUMP, MODIFICATION OF PLANT

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

S T A T U S

A RESOLUTION PACKAGE INCORPORATING NUREG/CR-5526 HAS BEEN PREPARED AND SUBMITTED FOR BRANCH/DIVISION REVIEW ON SEPTEMBER 12, 1990. COMMENTS AND ATTENDANT ADDITIONS/CHANGES WILL BE INCORPORATED, AND THE RESOLUTION PACKAGE

WILL BE PROCESSED THROUGH THE MANAGEMENT CONCURRENCE CHAIN. WE WILL PROCEED AS DIRECTED WITH REGARD TO ANY COORDINATION OF THE GI-130 RESOLUTION WITH THAT OF GI-23.

AFFECTED DOCUMENTS

PLANT TECHNICAL SPECIFICATIONS, POSSIBLE SRP CHANGES.

PROBLEM/RESOLUTION

THE CONTRACTOR ISSUED NUREG/CR-5526 ON AUGUST 9, 1990. ADDITIONAL SOW ITEMS HAVE BEEN SENT TO THE CONTRACTOR STEMMING FROM CONCERNS GENERATED FROM OUR REVIEW OF NUREG/CR-5526. IT IS ASSUMED THAT SOME ADDITIONS/CHANGES WILL HAVE TO BE MADE TO OUR RESOLUTION PACKAGE BEFORE FINAL APPROVAL RESULTING IN DELAY. THE SCHEDULE ASSUMES NO PUBLIC COMMENT PERIOD. HOWEVER, AWAITING GI-23 PUBLIC COMMENTS COULD FURTHER DELAY THE SCHEDULE.

AS OF FY90 QUARTER 4

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 130

TITLE: ESSENTIAL SERVICE WATER SYSTEM FAILURES AT MULTIPLANT SITES

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 MULTIPLANT SITES

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
SUBMIT DTR TO RES DIRECTOR	08/90	10/90	--
ADDENDUM TO NUREG/CR (OR TER)	09/90	12/90	--
REVIEW AND CONCURRENCE BY OTHER OFFICES	09/90	02/91	--
ACRS REVIEW	10/90	03/91	--
CRGR REVIEW	11/90	04/91	--
FTR TO NRR	12/90	06/91	--
ISSUE GENERIC LETTER	01/91	07/91	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 133
 IDENTIFICATION DATE: 07/86C
 TASK MANAGER: D. DESAULNIERS
 TAC NUMBERS: M40402
 WORK AUTHORIZATION: SRM DATED 9/30/85
 TITLE: UPDATE POLICY STATEMENT ON NUCLEAR PLANT STAFF WORKING HOURS
 PRIORITY: LI
 OFFICE/DIVISION/BRANCH: NRR /DLPQ/LHFB
 ACTION LEVEL: ACTIVE
 STATUS: 5
 RESOLUTION DATE: 08/91

FIN: NONE
 CONTRACTOR: NONE
 CONTRACT TITLE: NONE

W O R K S C O P E

SINCE COMMISSION POLICY IS STATED IN SEVERAL DOCUMENTS, REVISION OF NRC'S PRESENT POLICY GUIDANCE ON LIMITS ON OVERTIME AND SHIFT SCHEDULING WAS REVIEWED TO DETERMINE IF A CONSOLIDATED DOCUMENT WAS NEEDED. HOWEVER, THERE IS NO SPECIFIC GUIDANCE RELATING TO THE USE OF 12-HOUR SHIFTS IN THE CURRENT POLICY STATEMENT. THE STAFF HAS REVIEWED AND APPROVED CASE-BY-CASE 8 LICENSEE PROGRAMS FOR ROUTINE 12-HOUR SHIFTS FOR 2 UTILITIES. IN ADDITION, THE CUMULATIVE EFFECTS OF FATIGUE HAVE NOT BEEN ADDRESSED. A POLICY STATE-

MENT WHICH BUILT ON THE CURRENT GUIDELINES ON OVERTIME AND NORMAL WORKING HOURS WAS DEVELOPED. THE REVISED POLICY STATEMENT WAS TO ASSIST THE NRC STAFF IN CONDUCTING REVIEWS OF LICENSEE PROGRAMS AND IN MONITORING LICENSEE IMPLEMENTATION. HOWEVER, AFTER NRR REVIEW OF CURRENT POLICY STATEMENT IMPLEMENTATION, IT HAS BEEN DETERMINED THAT REVISION IS NOT APPROPRIATE AT THIS TIME. DETERMINATION THAT REVISION IS NOT APPROPRIATE AT THIS TIME.

S T A T U S

CRGR REVIEWED A DRAFT POLICY STATEMENT ON 12/4/86
 CRGR RECOMMENDATIONS RESULTED IN SEVERAL REVISIONS. THE COMMISSION REQUESTED INFORMATION ON THE HUMAN FACTORS

EFFECTS OF ROTATING SHIFTS ON OPERATOR ALERTNESS WHICH WAS SUBMITTED BY THE STAFF ON 6/23/87. NO FURTHER ACTION IS CONTEMPLATED. CLOSE OUT PACKAGE IN PROCESS.

AFFECTED DOCUMENTS

NONE

PROBLEM/RESOLUTION

NONE

M I L E S T O N E S

SUBMIT PAPER TO COMMISSION ON HUMAN FACTORS EFFECTS

ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
05/87	--	06/87

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 133

TITLE: UPDATE POLICY STATEMENT ON NUCLEAR PLANT STAFF WORKING HOURS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
BRIEF NRR MANAGEMENT ON STAFF POSITION	07/87	--	07/87
SUBMIT DRAFT POLICY STATEMENT TO NRR DIRECTOR	03/87	--	10/88
SUBMIT DRAFT POLICY STATEMENT TO CRGR FOR REVIEW	04/87	--	08/88
NRR DECISION TO CANCEL REVISION TO POLICY STATEMENT	06/90	08/91	--
CLDSE OUT ISSUE	02/89	08/91	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 135 TITLE: STEAM GENERATOR AND STEAM LINE OVERFILL ISSUES
 IDENTIFICATION DATE: 05/86C PRIORITIZATION DATE: 07/86C TYPE: GSI PRIORITY: M
 TASK MANAGER: K. SHAIKAT OFFICE/DIVISION/BRANCH: RES /DSIR/EIB ACTION LEVEL: ACTIVE STATUS:
 TAC NUMBERS: RESOLUTION DATE: 01/91
 WORK AUTHORIZATION: MEMO FROM R. BOSNAK TO K. KNIEL, "INTEGRATION OF NUREG-0933 ISSUES," MAY 27, 1986.

FIN	CONTRACTOR	CONTRACT TITLE
D1766	SCIEN TECH	STEAM GENERATOR AND STEAM LINE OVERFILL ISSUES

WORK SCOPE

STEAM GENERATOR (SG) OVERFILL AND ITS CONSEQUENCES HAVE RECEIVED STAFF/INDUSTRY ATTENTION BECAUSE OF THE FREQUENCY AND SEVERITY OF SUCH EVENTS. A NUMBER OF ONGOING ACTIVITIES ARE CONCERNED WITH SG OVERFILL RELATED ISSUES. THESE ARE: LANL STEAM GENERATOR TUBE RUPTURE (SGTR) STUDIES; LICENSING QUESTIONS ON SGTR (TMI REVIEW); GSI 66, "STEAM GENERATOR REQUIREMENTS" (ACTIONS FOR INDUSTRY); GSI 67, "STEAM GENERATOR STAFF ACTIONS"; WESTINGHOUSE SGTR STUDIES; AND STEAM LINE WATER HAMMER STUDIES (INEL/CREARE).

AN INTEGRATED WORK PLAN WAS DEVELOPED TO BRING THESE ACTIVITIES TO A CONCLUSION. THE WORK SCOPE IS THEREFORE INTENDED TO PROVIDE A BETTER UNDERSTANDING OF STEAM GENERATOR AND SECONDARY SYSTEM INTEGRITY INCLUDING THE EFFECTS OF WATER HAMMER AND ITS EFFECTS ON SECONDARY SYSTEM COMPONENTS AND BRANCH LINES AS WELL AS RADIOLOGICAL CONSEQUENCES. THE WORK SCOPE IS DIVIDED INTO 4 TASKS, OUTLINED BELOW, TO COVER A WIDE RANGE OF WORK REQUIREMENTS ON STEAM GENERATOR TUBE INTEGRITY AND STEAM GENERATOR OVERFILL DUE TO SGTR. THE COORDINATION OF RESULTS OF THE DIFFERENT TASKS WILL PROVIDE A BASIS FOR THE STAFF TO DEVELOP A POSITION ON OFFSITE DOSE, OPERATOR ACTION TIME AND TUBE INTEGRITY. WATER HAMMER MITIGATION STUDIES WILL BE CARRIED OUT TO GIVE THE STAFF A BETTER UNDERSTANDING FOR DEVELOPING POSITIONS ON WATER HAMMER IN MAIN STEAM LINES AND OPERABILITY OF VALVES AND OTHER COMPONENTS.

TASK 1: (1) SURVEY THE CODE REQUIREMENTS AND INDUSTRY PRACTICE FOR AVAILABLE EDDY CURRENT TESTING PROCEDURES. (2) ASSESS THE CAPABILITY OF CURRENT METHODS TO DETECT STEAM GENERATOR TUBE DEGRADATION. (3) REVIEW CURRENT ASME CODE SECTION XI REQUIREMENTS ON EDDY CURRENT TESTING PROCEDURES AND DETERMINE ADEQUACY FOR USE AS STANDARD FOR INSPECTION OF STEAM GENERATOR TUBES. (4) DEVELOP WRITTEN RECOMMENDATIONS FOR REGULATORY GUIDANCE AND/OR REQUIREMENTS INCLUDING POSSIBLE ENDORSEMENT OF ASME CODE SECTION XI REQUIREMENTS ON EDDY CURRENT TESTING PROCEDURES.

TASK 2: REVIEW RESULTS AND CONCLUSIONS OF STUDIES ON SGTR AND PROPOSE SPECIFIC MODIFICATIONS TO SRP SECTION 15.6.3 INCLUDING TUBE INTEGRITY, OPERATOR ACTION TIME AND OFFSITE DOSE LIMITS. DEVELOP A REGULATORY ANALYSIS SUPPORTING THE SRP CHANGES. THE REGULATORY ANALYSIS WILL DEVELOP RISK ANALYSIS AND A BASIS FOR COST BENEFIT OF THE PROPOSED SRP CHANGES.

TASK 3: REASSESS THE FOLLOWING PENDING ISSUES OF GSI 67 FOR POTENTIAL INCLUSION IN AN INTEGRATED RESOLUTION.

1. REASSESSMENT OF RADIOLOGICAL CONSEQUENCES
2. REEVALUATION OF DESIGN BASIS SGTR
3. SUPPLEMENTAL TUBE INSPECTIONS
4. INTEGRITY OF STEAM GENERATOR TUBE SLEEVES
5. DENTING CRITERIA
6. IMPROVED ACCIDENT MONITORING

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 135 TITLE: STEAM GENERATOR AND STEAM LINE OVERFILL ISSUES

W O R K S C O P E

- 7 REACTOR VESSEL INVENTORY MEASUREMENT
 - 8 REACTOR COOLANT PUMP (RCP) TRIP
 - 9 CONTROL ROOM DESIGN REVIEW
 - 10 EMERGENCY OPERATING PROCEDURES
 - 11 ORGANIZATIONAL RESPONSES
 - 12 REACTOR COOLANT SYSTEM PRESSURE CONTROL
- THIS TASK WILL ENTAIL REVIEW OF THE PRIORITIZATION AND RELATIONSHIP TO OTHER GENERIC

ISSUES (NUREG-0933 AND NUREG-0844).
 TASK 4. REVIEW EFFECTS OF WATER HAMMER, OVERFILL AND WATER CARRYOVER ON SECONDARY SYSTEM AND CONNECTING SYSTEMS AND DEVELOP PROPOSALS FOR MITIGATING THE CONSEQUENCES. CONSIDER THE EFFECTS OF SAGGING DUE TO WATER WEIGHT, OPERABILITY OF VALVES AND OTHER COMPONENTS WHEN SUBJECTED TO TWO-PHASE FLOW OF LIQUID.

S T A T U S

TECHNICAL CONTRACT HAS BEEN AWARDED TO SCIENTECH INC. THE CONTRACTOR IS PROGRESSING ON TASKS 1, 2, 3 AND 4. SATISFACTORILY. DRAFT REPORTS HAVE BEEN RECEIVED FROM THE CONTRACTOR ON TASKS 1, 3 AND 4. A DRAFT SUMMARY REPORT BY SCIENTECH IS BEING CONVERTED TO A DRAFT TECHNICAL FINDINGS REPORT (NUREG/CR-4893) FOR GSI 135. AS DRAFTED, THE

RESOLUTION WILL NOT REQUIRE PUBLIC COMMENT. AN ACRS MEETING WAS HELD IN OCTOBER. NO CRGR MEETING IS ANTICIPATED. SUBSEQUENTLY, AN ACRS LETTER WAS RECEIVED COMMENTING ON THE PROPOSED RESOLUTION OF GI-135. THE STAFF PLANS TO RESOLVE THESE COMMENTS.

AFFECTED DOCUMENTS

*** TO BE DETERMINED ***

PROBLEM/RESOLUTION

TO ORDER TO RESOLVE THE ACRS COMMENTS, ADDITIONAL EFFORT WAS REQUIRED. THE SCIENTECH CONTRACT WAS AMENDED. SCIENTECH SUBMITTED A DRAFT REPORT TO RESPOND TO THE ACRS CONCERNS. DSIR REQUESTED THAT ADDITIONAL WORK IN THE AREA OF WATER HAMMER BE PERFORMED. FOR SCIENTECH TO OBTAIN ADDITIONAL ASSISTANCE, ADDITIONAL FUNDING WAS REQUIRED. DUE TO DIFFICULTIES WITH THE DIVISION OF CONTRACTS, THIS FUNDING WAS DELAYED UNTIL AUGUST 1990. A 2-MONTH DELAY HAS RESULTED.

ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
01/87	--	03/87

M I L E S T O N E S

STAFF PRESENTATION TO ACRS

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 135

TITLE: STEAM GENERATOR AND STEAM LINE OVERFILL ISSUES

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
STAFF/CONTRACTOR MEETING WITH ACRS	07/87	--	08/87
CONTRACTOR COMPLETES TASKS 1,2,3 & 4	10/88	--	02/89
STAFF COMMENTS ON PRELIMINARY DRAFT CONTRACTORS REPORT	11/88	--	04/89
FINAL DRAFT CONTRACTOR'S REPORT	12/88	--	06/89
STAFF COMMENTS ON FINAL DRAFT CONTRACTOR'S REPORT	07/89	--	07/89
FINAL CONTRACTOR'S REPORT	08/89	--	08/89
STAFF PREPARE DTR PACKAGE	02/89	--	08/89
DIVISION DEPUTY DIRECTOR REVIEW OF DTR COMPLETED	03/89	--	08/89
DTR PACKAGE TO ACRS	05/89	--	08/89
ACRS INITIAL REVIEW OF DTR COMPLETED	07/89	--	10/89
RESPONSE TO ACRS COMMENTS	04/90	10/90	--
ACRS REVIEW COMPLETED	06/90	12/90	--
CLOSEOUT MEMO	11/90	01/91	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: 142
 IDENTIFICATION DATE: 06/87C
 TASK MANAGER: A SZUKIEWICZ
 TAC NUMBERS
 WORK AUTHORIZATION MEMORANDUM FOR W MINNERS FROM E BECKJORD DATED JUNE 20, 1990.

TITLE: LEAKAGE THROUGH ELECTRICAL ISOLATORS
 PRIORITIZATION DATE: 06/90C
 OFFICE/DIVISION/BRANCH: RES /DSIR/EIB

TYPE: GSI
 ACTION LEVEL: ACTIVE
 STATUS:
 RESOLUTION DATE:

CONTRACTOR: FIN
 TBA
 CONTRACT TITLE: TO BE DETERMINED

W O R K S C O P E

TO BE DETERMINED

S T A T U S

TAP IS CURRENTLY BEING DEVELOPED.

AFFECTED DOCUMENTS

*** TO BE DETERMINED ***

PROBLEM/RESOLUTION

DUE TO THE FY '91 BUDGET CONSTRAINTS, THIS MEDIUM PRIORITY ISSUE MAY BE POSTPONED.

ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
11/90	11/90	07/90
12/90	12/90	--

M I L E S T O N E S

GSI 142 ASSIGNED TO RES/DSIR/EIB
 DRAFT TAP TO DSIR DEPUTY DIRECTOR
 DRAFT TAP APPROVED BY DSIR DIRECTOR AND FORWARDED TO OTHER RES AND NRR DIVISION DIRECTORS FOR COMMENT

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
INCORPORATE COMMENT IN TAP	02/91	02/91	--
FINAL TAP APPROVED BY DSIR DIRECTOR	03/91	03/91	--
OTHER MILESTONES TO BE DETERMINED BASED UPON APPROVED TAP	--	--	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: B-17
IDENTIFICATION DATE: 06/78C
TASK MANAGER: J KRAMER
TAC NUMBERS:
WORK AUTHORIZATION: NRR FY-84 OPERATING PLAN (APPENDIX G)

TITLE: CRITERIA FOR SAFETY-RELATED OPERATOR ACTIONS
PRIORITIZATION DATE: 11/83C
OFFICE/DIVISION/BRANCH: RES /DSIR/HFB

TYPE: GSI
ACTION LEVEL: ACTIVE

PRIORITY: M
STATUS:
RESOLUTION DATE: 01/92

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

FIN
A4659
CONTRACTOR
LLNL

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 ... 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: 05/89

M I L E S T O N E S

MEET WITH ANSI/ANS 58.8

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: B-17

TITLE: CRITERIA FOR SAFETY-RELATED OPERATOR ACTIONS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
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
 IDENTIFICATION DATE: 06/78C PRIORITIZATION DATE: 11/83C TYPE: ISI PRIORITY: M
 TASK MANAGER: F. CHERNY OFFICE/DIVISION/BRANCH: RES /DSIR/EIB ACTION LEVEL: ACTIVE STATUS:
 TAC NUMBERS: RESOLUTION DATE: 02/95
 WORK AUTHORIZATION: NRE FY-84 OPERATING PLAN, (APPENDIX G)

FIN	CONTRACTOR	CONTRACT TITLE
NONE	NONE	NONE

WORK SCOPE

REVIEW BWR UTILITY APPROACHES TO INCREASING SRV RELIABILITY TO OBTAIN SUFFICIENT DATA BASE TO SUPPORT THE CONCLUSION THAT THIS ISSUE HAS BEEN RESOLVED. THE UTILITY APPROACHES MAY INCLUDE: (1) DEMONSTRATING SUFFICIENT RELIABILITY OF 3-STAGE VALVES BY STRICT	CONFORMANCE TO NSSS VENDOR INSTRUCTIONS; (2) DEMONSTRATING SUFFICIENT RELIABILITY OF 2-STAGE VALVES AFTER DESIGN AND/OR SYSTEM MODIFICATIONS, AND (3) USING DIFFERENT VALVES AND DEMONSTRATING THEIR RELIABILITY.
--	---

STATUS

WHILE INITIAL PERFORMANCE WITH THE PH 13-8 MO REPLACEMENT DISCS INDICATED AN IMPROVEMENT, ADDITIONAL PERFORMANCE DATA MADE IT APPARENT THE NEW DISCS ARE NOT PROVIDING THE IMPROVED PERFORMANCE THAT WAS ORIGINALLY EXPECTED. THE	BWROG CONCLUDED THE PH 13-8 MO REPLACEMENT DISCS ARE NOT A VIABLE SOLUTION FOR ELIMINATING SETPOINT DRIFT AND RECOMMENDED THEY NO LONGER BE INSTALLED TO RESOLVE THIS PROBLEM.
---	--

AFFECTED DOCUMENTS

NONE

PROBLEM/RESOLUTION

PILOT DISCS OF PH 13-8MO WERE TESTED IN CERTAIN PLANTS WITH THE OBJECTIVE OF ELIMINATING EXCESSIVE SETPOINT DRIFT. 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-55. 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 BWROG MET WITH THE STAFF ON MAY 1, 1990, AND PRESENTED DETAILS OF A REVISED

ISSUE NUMBER: B-55

TITLE: IMPROVE RELIABILITY OF TARGET ROCK SAFETY-RELIEF VALVES

AFFECTED DOCUMENTS

PROBLEM/RESOLUTION

TWO-OPTION ACTION PLAN THE PRIMARY ACTION PLAN MODIFIES THE PILOT DISC TO SUIT ENVIRONMENT BY USING CATALYSTS TO RECOMBINE HIGH OXYGEN 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/6 PLANTS. BY LETTER DATED JUNE 15, 1990, FROM R. BINZ TO F. CHERNY, CSIR, RES. THE BWROG 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 NRR REVIEW AND APPROVAL OF THE PRESSURE SWITCH VALVE MODIFICATIONS.

M I L E S T O N E S

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
MEETING WITH BWR OWNERS SETPOINT DRIFT COMMITTEE	12/83	--	11/83
BWR OWNERS REPORT SUBMITTED	07/84	--	06/84
BOSTON EDISON REPORT SUBMITTED	--	--	08/84
COMPLETION OF NRR EVALUATION OF OWNERS GROUP AND BOSTON EDISON REPORTS	10/84	--	10/84
COMMUNICATION TO OG RE: NRC COMMENTS/CONCERNS	--	--	03/85
OG PRESENTATION TO THE STAFF	10/85	--	10/85
STAFF RECEIVES OWNERS' PROGRAM FOR ELIMINATING SET POINT DRIFT	10/85	--	10/85

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: B-55

TITLE: IMPROVE RELIABILITY OF TARGET ROCK SAFETY-RELIEF VALVES

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
OWNERS BEGIN TO INSTALL NEW PILOT DISKS TO TEST IN PLANT FOR ONE FUEL CYCLE	01/86	--	01/86
ISSUE STATUS REPORT ON INDUSTRY EFFORTS	12/87	--	01/88
ISSUE PROGRESS REPORT ON INDUSTRY EFFORTS	11/88	--	11/88
BWROG APPROVAL FOR FUNDING CATALYST/PRESSURE SWITCH PROGRAM	06/90	--	06/90
BWROG SELECT/DESIGN CATALYST	03/91	03/91	--
OWNERS BEGIN TO INSTALL CATALYSTS TO TEST IN PLANTS FOR FIRST FUEL CYCLE	09/91	09/91	--
BWROG SUBMIT TOPICAL REPORT TO NRC DESCRIBING PRESSURE SWITCH (CONTINGENCY) OPTION	12/91	12/91	--
NRC STAFF ISSUE STATUS REPORT ON INDUSTRY PROGRESS	03/92	03/92	--
NRR ISSUE APPROVAL FOR PRESSURE SWITCH CONTINGENCY OPTION	06/92	06/92	--
BWROG PRESENTATION TO NRC OF CATALYST FIRST FUEL CYCLE TEST RESULTS	03/93	03/93	--
OWNERS BEGIN TO INSTALL CATALYSTS TO TEST FOR SECOND FUEL CYCLE	03/93	03/93	--
OWNERS PROVIDE COMMITMENTS TO INSTALL PRESSURE SWITCH MOD. (ONLY APPLICABLE IF FIRST CYCLE CATALYST TEST RESULTS UNACCEPTABLE)	07/93	07/93	--
ISSUE CLOSE OUT MEMO OR STATUS REPORT (CLOSE OUT MEMO ONLY APPLICABLE IF CATALYST FIRST CYCLE TEST RESULTS UNACCEPTABLE)	09/93	09/93	--
BWROG PRESENTATION TO NRC OF CATALYST SECOND FUEL CYCLE TEST RESULTS (IF APPLICABLE)	10/94	10/94	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: B-55

TITLE: IMPROVE RELIABILITY OF TARGET ROCK SAFETY-RELIEF VALVES

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
OWNERS PROVIDE COMMITMENTS TO INSTALL PRESSURE SWITCH MODIFICATION (IF APPLICABLE)	01/95	01/95	--
ISSUE CLOSE OUT MEMO (IF APPLICABLE)	02/95	02/95	--

RUN DATE: 11/26/90

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 69

ISSUE NUMBER: B-56
IDENTIFICATION DATE: 06/78C
TASK MANAGER: A. SERKIZ
TAC NUMBERS:
WORK AUTHORIZATION: NRR FY-83 OPERATING PLAN (APPENDIX G)

TITLE: DIESEL GENERATOR RELIABILITY
PRIORITIZATION DATE: 11/83C
OFFICE/DIVISION/BRANCH: NRR /DSIR/RPSI

TYPE: GSI
ACTION LEVEL: ACTIVE

PRIORITY: H
STATUS:
RESOLUTION DATE: 12/90

FIN	CONTRACTOR	CONTRACT TITLE
A1806 B2937	SNL PNL	GUIDELINES FOR EMERG. DIESEL GENERATOR (EDG) RELIABILITY PROGRAMS AGING CONSIDERATIONS-DIESEL GENERATOR RELIABILITY PROGRAM

WORK SCOPE

THE WORK SCOPE OF B-56 IS CLOSELY COORDINATED WITH THE RESOLUTION OF USI A-44, STATION BLACKOUT. RESOLUTION OF USI A-44 INCLUDES, AMONG OTHER THINGS, THE NEED FOR A DIESEL RELIABILITY PROGRAM TO MAINTAIN THE RELIABILITY LEVEL OF EMERGENCY DIESEL GENERATORS (EDG) AT OR ABOVE RELIABILITY LEVELS SELECTED FOR RESPONSE TO THE SBO RULE (10CFR50, SECTION 50.63).

THE CONCLUDING EFFORTS ON B-56 WILL BE DIRECTED AT RE-VISING REGULATORY GUIDE 1.9 TO PROVIDE GUIDANCE FOR MONITORING EDG RELIABILITY AGAINST LEVELS SELECTED FOR SBO AND MAINTAINING RELIABILITY LEVELS THROUGH A RELIABILITY PROGRAM BASED ON PROVEN INDUSTRY PRACTICES. R.G. 1.9, REV. 3 (PROPOSED) WILL BE MADE CONSISTENT WITH NUMARC'S REVISED NUMARC-8700, APPENDIX D.

STATUS

THE "FOR COMMENT" PERIOD ON R.G. 1.9, REV. 3 (PROPOSED) WAS EXTENDED TO 03/89, AND COMMENTS HAVE BEEN RECEIVED AS LATE AS 05/89. CONTINUING DISCUSSIONS WITH INDUSTRY REPRESENTATIVES ON THIS R.G. HAVE RESULTED IN SIGNIFICANT REVISIONS.

NUMARC REVISED APPENDIX D OF NUMARC-8700 IN RESPONSE TO A CRGR RECOMMENDATION (REF. CRGR MEETING NO. 176) AND SUB-

MITTED TO NRC ON 05/03/90. R.G. 1.9, REV. 3 (PROPOSED) WILL BE REVISED TO REFERENCE APPLICABLE SECTIONS OF NUMARC-8700, REV. 1. THE STAFF RESUBMITTED THE B-56 RESOLUTION PACKAGE TO CRGR ON 06/19/90 AND SENT COPIES TO THE ACRS ON 06/25/90. CRGR APPROVAL TO PROCEED WITH ISSUANCE OF R.G. 1.9, REV. 3, AND A GENERIC LETTER WAS OBTAINED AT CRGR MEETING 190. ACRS OPPOSES SUCH ACTION.

AFFECTED DOCUMENTS

REG. GUIDE 1.9 WILL BE UPGRADED. REG. GUIDE 1.108 WILL BE WITHDRAWN, AND REVISIONS TO SRP SECTIONS AND TECH SPECS WILL BE PREPARED BY NRR.

PROBLEM/RESOLUTION

FOLLOW-UP ACTIVITIES RELATED TO CRGR AND ACRS REVIEWS WILL PACE THE RESOLUTION OF THIS SAFETY ISSUE. COMMISSION REQUESTED REVIEW OF RESOLUTION CAUSED DELAY.

AS OF FY90 QUARTER 4

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: B-56

TITLE: DIESEL GENERATOR RELIABILITY

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
DTR IDENTIFIED; ISSUED BY DSI DIRECTOR FOR STAFF COMMENT	02/83	--	02/83
PACKAGE TO NRR DIRECTOR	04/83	--	03/83
PACKAGE TO CRGR (29)	05/83	--	07/83
CRGR REVIEW COMPLETE	06/83	--	07/83
SCOPE OF ISSUE MODIFIED TO COORDINATE TECHNICAL RESOLUTION OF B-56 WITH USI A-44	09/83	--	09/83
SCOPE OF ISSUE MODIFIED TO CONSIDER NUMBER OF COLD FAST START SURVEILLANCE TESTS	11/83	--	11/83
COORDINATED GSI B-56 AND USI A-44 CRGR PACKAGE SENT TO NRR DIRECTOR	02/84	--	01/84
REVISED PACKAGE TO CRGR	04/84	--	03/84
CRGR REVIEW COMPLETE	05/84	--	05/84
ISSUED 50.54(F) GL 84-15 TO LICENSEES	06/84	--	07/84
RECEIVED PUBLIC COMMENTS	09/84	--	11/84
ISSUED T/A CONTRACT TO BNL	06/85	--	06/85
PUBLISH CONTRACTOR REPORT ON LICENSEE RESPONSE TO 50.54(F)	04/86	--	04/86
REVISE SRPS AND REG. GUIDES (NRR)	03/88	--	05/88
DEVELOP DIESEL GENERATOR RELIABILITY PROGRAM GUIDELINES	10/86	--	04/88
CRGR PACKAGE TO RES DIRECTOR	01/87	--	07/88
PACKAGE TO CRGR/ACRS (53)	03/87	--	08/88

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

RUN DATE: 11/26/90

PAGE: 71

ISSUE NUMBER: B-56

TITLE: DIESEL GENERATOR RELIABILITY

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
CRGR REVIEW COMPLETE	05/87	--	09/88
ACRS REVIEW COMPLETE	10/88	--	11/88
ISSUE FOR PUBLIC COMMENTS	06/87	--	11/88
PUBLISH NUREG/CR-5078, VOL 2	11/88	--	01/89
RECEIVE PUBLIC COMMENT	08/87	--	03/89
FTR TO RES DIRECTOR, FTR TO CRGR/ACRS	09/87	--	08/89
ACRS MEETINGS	10/89	--	10/89
CRGR MEETINGS	12/89	--	12/89
RECEIVE NUMARC APPENDIX D SUBMITTAL REVISE CRGR PACKAGE	04/90	--	05/90
NRR & OGC CONCURRENCE	06/90	--	06/90
CRGR MEETING	07/90	--	07/90
ACRS MEETING	08/90	--	08/90
COMMISSION PAPER TO EDO - 09/90 ISSUE FRN, RG, AND GL	10/90	12/90	--

AS OF FY90 QUARTER 4

RUN DATE: 11/26/90

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 72

ISSUE NUMBER: B-61

TITLE: ALLOWABLE ECCS EQUIPMENT OUTAGE PERIODS

IDENTIFICATION DATE: 06/78C

PRIORITIZATION DATE: 11/83C

TYPE: GSI

PRIORITY: M

TASK MANAGER: R. BUSLIK

OFFICE/DIVISION/BRANCH: RES /DSR /PRAB

ACTION LEVEL: ACTIVE

STATUS:

TAC NUMBERS:

RESOLUTION DATE: _____

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

FIN	CONTRACTOR	CONTRACT TITLE
NONE	NONE	NONE

WORK SCOPE

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

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

STATUS

TASK I HAS BEEN COMPLETED.

AFFECTED DOCUMENTS

TECHNICAL SPECIFICATION CHANGES ARE POSSIBLE.

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 ASSOCIATED WITH B-61 RESOLUTION IS THE ANALYSIS OF THE COSTS 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 TMI ACTION ITEM II K.3.17. (SEE MEMORANDUM FOR G. C. LAINAS FROM F. H. ROWSOME, DATED JUNE 17, 1983.) NO WORK HAS BEEN PERFORMED ON TASK II OF THIS

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

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
DRAFT TAP ISSUED FOR DD APPROVAL	01/84	--	01/84
COMPLETE COORDINATION OF TECHNICAL RESOLUTION WITH RES	04/84	--	08/84
TAP APPROVED BY DIVISION DIRECTOR	05/84	--	07/84
TASK I-METHODOLOGY REVIEW AND DEVELOPMENT COMPLETED	11/84	--	04/85
TASK II-APPLY TO A PWR OR BWR	02/85	--	--
APPLY METHODOLOGY TO A SELECTION OF PLANTS	08/85	--	--
DEVELOP AN INITIAL RECOMMENDATION FOR STAFF COMMENTS	08/87	--	--
PREPARE DTR	04/86	--	--
PREPARE CRGR PACKAGE	06/86	--	--
REVIEW OF CRGR PACKAGE BY DIVISION DIRECTORS	07/86	--	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: B-61

TITLE: ALLOWABLE ECCS EQUIPMENT OUTAGE PERIODS

M I L E S T O N E S

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
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	--	--	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: B-64 TITLE: DECOMMISSIONING OF REACTORS TYPE: GSI PRIORITY:

IDENTIFICATION DATE: 06/78C PRIORITIZATION DATE: 11/83C ACTION LEVEL: ACTIVE STATUS: NR

TASK MANAGER: F. CARDILE OFFICE/DIVISION/BRANCH: NMSS/LLWM/LLRB RESOLUTION DATE: 01/91

TAC NUMBERS:

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

CONTRACTOR: FIN CONTRACT TITLE:

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 12, 1988 AND PUBLISHED IN THE FR ON JUNE 27, 1988. TO NMSS NMSS IS PREPARING THE SRP. THE SRP HAS BEEN SENT NRC DECOMMISSIONING RESPONSIBILITIES WERE TRANSFERRED FOR OFFICE CONCURRENCE PRIOR TO SUBMITTAL TO CRGR.

AFFECTED DOCUMENTS

- (1) 10 CFR PARTS 50 AND 51 AMENDMENTS.
- (2) REGULATORY GUIDE 1.86 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	CURRENT DATE	ACTUAL DATE
08/84	--	08/84

M I L E S T O N E S

CRGR REVIEW COMPLETED ON DECOMMISSIONING RULE (29)

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
EDO 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	--	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 RES (SRP)	01/85	--	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	--	08/87
FTR TO EDO FOR TRANSMITTAL TO COMMISSION	10/86	--	12/87
FRM OF FINAL RULE	01/87	--	06/88
SRP TO DIVISION FOR REVIEW	06/89	--	12/89
SRP TO OFFICES FOR CONCURRENCES	02/90	--	07/90
SRP TO CRGR	03/90	12/90	--
ISSUE SRP CHANGE	04/90	01/91	--

RUN DATE: 11/26/90

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 77

ISSUE NUMBER: HF 4.4

TITLE: GUIDELINES FOR UPGRADING OTHER PROCEDURES

IDENTIFICATION DATE: 08/83C

PRIORITIZATION DATE: 10/84C

TYPE: GSI

PRIORITY: H

TASK MANAGER: J. WACHTEL

OFFICE/DIVISION/BRANCH: RES /DSR /HFB

ACTION LEVEL: ACTIVE

STATUS:

TAC NUMBERS:

RESOLUTION DATE: 10/90

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

FIN	CONTRACTOR	CONTRACT TITLE
B2360	PNL	DEVELOP GUIDANCE AND REGULATORY ACTION FOR OPS & AOPS
B2935	PNL	VALVE IMPACT ASSESSMENT OF PLANT OPERATING PROCEDURES
B2966	PNL	DEVELOP GUIDANCE & REGULATORY ACTION FOR OPS & AOPS
I2005	PNL	DEVELOP GUIDANCE & REGULATORY ACTION FOR OPS & AOPS

WORK SCOPE

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.

STATUS

THIS ISSUE WAS TRANSFERRED FROM NRR TO RES WITH THE 4/12/87 NRC REORGANIZATION (4/10/87 MEMO FROM W. RUSSELL TO T. SPEIS). CONTRACTOR EFFORTS ON FIN B2360/PNL AND FIN B2966/PNL WERE COMPLETED AT THAT TIME. NUREG/CR'S-3968 AND -4613 WERE PUBLISHED IN FEBRUARY 1987 AS A RESULT OF WORK UNDER THESE FIN'S. REVIEW OF NUREG/CR'S-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-5458 WAS PUBLISHED IN DECEMBER 1989.

AFFECTED DOCUMENTS

POSSIBLE REVISION TO SRP SECTION 13.5.2

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

AS OF FY90 QUARTER 4

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: HF 4 4

TITLE: GUIDELINES FOR UPGRADING OTHER PROCEDURES

AFFECTED DOCUMENTS

PROBLEM/RESOLUTION

IS NECESSARY UNDER THIS ISSUE.

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
PUBLISH FINAL REPORT ON OPERATING PROCEDURES PROJECT AS NUREG/CR	12/85	--	02/87
PUBLISH FINAL REPORT ON PROCEDURES INTERFACE PROJECT AS NUREG/CR	05/86	--	02/87
CONDUCT REGULATORY ANALYSIS FOR OPERATING PROCEDURES, ABNORMAL OPERATING PROCEDURES	02/87	--	07/89
DEVELOP PLAN FOR REGULATORY GUIDANCE	06/89	--	09/89
CLOSE OUT ISSUE	06/89	10/90	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: HF 5.1 TITLE: LOCAL CONTROL STATIONS TYPE: GSI PRIORITY: H

IDENTIFICATION DATE: 08/83C PRIORITIZATION DATE: 10/84C ACTION LEVEL: ACTIVE STATUS:

TASK MANAGER: A. RAMEY-SMITH OFFICE/DIVISION/BRANCH: RES /DSR /HFB RESOLUTION DATE: 05/92

TAC NUMBERS:

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 SOM WAS FORWARDED TO BNL BY LETTER DATED MARCH 25, 1988 MPC 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 SOM WAS DEVELOPED AND WORK BEGAN APRIL 1990.

AFFECTED DOCUMENTS

1. A REGULATORY GUIDE ON LOCAL CONTROL STATIONS
2. 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.

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

RUN DATE: 11/26/90

PAGE: 80

ISSUE NUMBER: HF 5.1

TITLE: LOCAL CONTROL STATIONS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
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	09/90	--
COMPLETE INDUSTRY-WIDE VALUE-IMPACT STUDY	05/91	05/91	--
COMPLETE DEVELOPMENT OF DRAFT MODIFICATION TO SRP AND DRAFT REGULATORY GUIDE	09/89	05/91	--
ISSUE SRP MODIFICATION AND REG. GUIDE	09/90	05/92	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: HF 5.2 TITLE: REV. CRIT. FOR HUMAN FACTORS ASPECTS OF ADV CONTROLS AND INSTRUMENT.
 IDENTIFICATION DATE: 08/83C PRIORITIZATION DATE: 10/84C TYPE: GSI PRIORITY: H
 TASK MANAGER: J. WACHTEL OFFICE/DIVISION/BRANCH: RES /DSR /HFB ACTION LEVEL: ACTIVE STATUS:
 TAC NUMBERS: RESOLUTION DATE: 05/92
 WORK AUTHORIZATION: MEMO TO H. THOMPSON FROM H. DENTON DATED 10/1/84,
 "HUMAN FACTORS PROGRAM PLAN"

FIN	CONTRACTOR	CONTRACT TITLE
A3967	BNL	ANNUNCIATORS

WORK SCOPE

THIS ISSUE COMBINES THE ISSUES FROM THE HUMAN FACTORS PROGRAM PLAN OF SECTION 1.5.2
 (A) COMPUTER AND COMPUTER DISPLAYS
 (B) EVALUATION OF OPERATOR AID SYSTEMS
 (C) ANNUNCIATORS
 (D) SAFETY STATUS INDICATION AND APPLICATIONS OF AUTOMATION AND ARTIFICIAL INTELLIGENCE
 A MANAGEMENT REVIEW OF THESE ISSUES RESULTED IN A DECISION TO RETAIN ONLY THE ANNUNCIATOR ISSUE AS A GENERIC ISSUE. THIS DECISION ALSO CONCLUDED THAT THE REMAINING ISSUES BE REASSIGNED AS RESEARCH ISSUES. A RESEARCH PROJECT ENTITLED "REVIEW CRITERIA FOR HUMAN FACTORS ASPECTS OF ADVANCED CONTROL AND INSTRUMENTATION," FIN B0822, ADDRESSES THESE ISSUES.
 THE GOAL OF THIS WORK IS TO DETERMINE THE RISK TO PUBLIC HEALTH AND SAFETY RESULTING FROM HUMAN ERROR IN THE

USE OF INFORMATION FROM CONTROL BOARD ANNUNCIATORS. THE RESULTS FROM A PRA ESTABLISHED THE MAGNITUDE OF THE RISK INVOLVED AND THE POTENTIAL REDUCTION IN RISK EXPECTED. A VALUE/IMPACT ANALYSIS WAS COMPLETED AND ESTIMATED THE COST OF POTENTIAL MODIFICATIONS TO ANNUNCIATORS.
 THE RESULTS OF THE VALUE/IMPACT ANALYSIS REQUIRE THAT ADDITIONAL EXPERIMENTAL WORK ON ANNUNCIATOR UPGRADES BE CONDUCTED ON A 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 MODIFICATION TO THE STANDARD REVIEW PLAN AND FOR A NUREG ON ANNUNCIATORS.

STATUS

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

IS ON SCHEDULE. VALUE/IMPACT STUDY WAS COMPLETED IN NOVEMBER 1988 AND PLANNING FOR THE ALARM REDUCTION STUDY IN MARCH 1989.

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
- (2) A NUREG (TO BE DETERMINED)

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 DCDR COMMITMENTS. THE UTILITY OF THE PRESENT COURSE IS BEING REASSESSED. WORK STOPPED OCTOBER 1, 1990. DUE TO BUDGET CONSTRAINTS

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
- DRAFT SRP MODIFICATION
- DRAFT NUREG COMPLETED
- REVIEW OF DRAFTS BY DIVISION DIRECTOR
- REVIEW OF DRAFTS BY OFFICE DIRECTOR
- REVIEW OF DRAFTS BY OTHER OFFICES
- REVIEW OF DRAFTS BY ACRS
- FINAL SRP MODIFICATION AND FINAL NUREG
- REVIEW OF FINALS BY DIVISION DIRECTOR

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	01/91	--
04/90	06/91	--
04/90	06/91	--
05/90	07/91	--
06/90	08/91	--
06/90	08/91	--
07/90	09/91	--
08/90	10/91	--
10/90	12/91	--
11/90	01/92	--

RUN DATE: 11/26/90

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 83

ISSUE NUMBER: HF 5.2

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

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
REVIEW OF FINALS BY OFFICE DIRECTOR	12/90	02/92	--
REVIEW OF FINALS BY OTHER OFFICES	12/90	02/92	--
REVIEW OF FINALS BY ACRS	01/91	03/92	--
REVIEW OF FINALS BY CRGR (53)	02/91	04/92	--
ISSUE SRP MODIFICATION AND NUREG	03/91	05/92	--

GENERIC: ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: I.D.3
IDENTIFICATION DATE: 05/80C
TASK MANAGER: S.K. AGGARWAL
TAC NUMBERS:
WORK AUTHORIZATION: TMI ACTION PLAN, NUREG-0660

TITLE: SAFETY SYSTEM STATUS MONITORING
PRIORITIZATION DATE: 11/83C
OFFICE/DIVISION/BRANCH: RES /DE /EMEB
ACTION LEVEL: ACTIVE
STATUS
RESOLUTION DATE:

TYPE: GSI
PRIORITY: M

CONTRACTOR: FIN
PNL
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 OL'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/DLPQ 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	CURRENT DATE	ACTUAL DATE
06/82		06/82

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

TITLE: SAFETY SYSTEM STATUS MONITORING

ISSUE NUMBER: I D 3

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 DD'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

RUN DATE: 11/26/90

PAGE: 86

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	TBD	--
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	--

RUN DATE: 11/26/90

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 87

ISSUE NUMBER: I.D.5(3)

TITLE: ON-LINE REACTOR SURVEILLANCE SYSTEMS

IDENTIFICATION DATE: 05/80C

PRIORITIZATION DATE: 11/83C

TYPE: GSI

PRIORITY:

TASK MANAGER: W. FARMER

OFFICE/DIVISION/BRANCH: RES /DE /EMEB

ACTION LEVEL: ACTIVE

STATUS: NR

TAC NUMBERS: NONE

RESOLUTION DATE: 10/90

WORK AUTHORIZATION: TMI ACTION PLAN, NUREG-0660

FIN

CONTRACTOR

CONTRACT TITLE

B0828

ORNL

CONTINUOUS ON-LINE REACTOR NOISE SYSTEM EVALUATIONS

WORK SCOPE

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.

STATUS

A DEMONSTRATION OF SYSTEM FEASIBILITY AT AN OPERATING PWR (SEQUOYAH 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 ORNL. IT IS BELIEVED THAT SUFFICIENT DATA IS AVAILABLE FROM

THE ON-LINE SURVEILLANCE MEASUREMENT TESTS AT THE SEQUOYAH 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 10/90.

AFFECTED DOCUMENTS

NONE

PROBLEM/RESOLUTION

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

MILESTONES

INSTALL SYSTEM AT A PWR

ORIGINAL DATE

CURRENT DATE

ACTUAL DATE

09/80

AS OF FY90 QUARTER 4

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: I D 5(3)

TITLE: ON-LINE REACTOR SURVEILLANCE SYSTEMS

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
COMPLETE PWR DATA ACQUISITION	06/84	--	01/84
INSTALL SYSTEM AT A BWR	04/84	--	06/85
REMOVAL OF SYSTEM FROM PEACH BOTTOM	12/88	--	04/89
ISSUE RIL TO NRR WITH CONCLUSIONS AND RECOMMENDATIONS	09/88	10/90	--
ISSUE CLOSE OUT	12/88	10/90	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: I.D.5(5)
IDENTIFICATION DATE: 05/80C
TASK MANAGER: L. BELTRACCHI
TAC NUMBERS:

TITLE: DISTURBANCE ANALYSIS SYSTEMS
PRIORITIZATION DATE: 11/83C
OFFICE/DIVISION/BRANCH: RES /DSR /HFB

TYPE: LI
ACTION LEVEL: ACTIVE
STATUS: S
RESOLUTION DATE:

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.

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 AGREES 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/CR-5439.

AFFECTED DOCUMENTS

NONE

PROBLEM/RESOLUTION

NONE

RUN DATE: 11/26/90
PAGE: 90

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: I D. 5(5)

TITLE: DISTURBANCE ANALYSIS SYSTEMS

ORIGINAL DATE: 06/83
CURRENT DATE: --
ACTUAL DATE: --

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

RUN DATE: 11/26/90

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 91

ISSUE NUMBER: II B 5(1) TITLE: BEHAVIOR OF SEVERELY DAMAGED FUEL
IDENTIFICATION DATE: 05/80C PRIORITIZATION DATE: 11/83C TYPE: LI PRIORITY:
TASK MANAGER: F. ELTAWILA OFFICE/DIVISION/BRANCH: RES /DSR /AEB ACTION LEVEL: ACTIVE STATUS: 5
TAC NUMBERS: RESOLUTION DATE: 06/94
WORK AUTHORIZATION: TMI ACTION PLAN, NUREG-0660

FIN	CONTRACTOR	CONTRACT TITLE
NONE	NONE	NONE

W O R K S C O P E

ISSUES II B 5(1) AND II B 5(2) 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,

CONTAINMENT 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.

S T A T U S

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 SEQUENCES.

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

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: II B 5{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. THE LASALLE STUDY WILL BE PUBLISHED SEPARATELY FROM NUREG-1150. THIS GENERIC ISSUE WILL BE CLOSED OUT (IN A LETTER TO EDO), AND ITS RESOLUTION WILL CONTINUE IN ACCORD WITH SEC. 88-147 IN SUPPORT OF SEVERE ACCIDENT POLICY STATEMENT IMPLEMENTA-

TION AND THE SEVERE ACCIDENT PLAN. IN ACCORDANCE WITH A MEMO FOR T. SPEIS FROM R. HOUSTON ON 11/04/87, THIS ISSUE WAS DETERMINED TO BE WITHIN THE REALM OF SEVERE ACCIDENT RESEARCH. THEREFORE, IT WILL CONTINUE TO BE TRACKED AS A LICENSING ISSUE TO FOLLOW THE RESEARCH WORK.

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-86-169, "PLAN TO ADDRESS SOURCE TERM TECHNICAL UNCERTAINTY AREAS."

PROBLEM/RESOLUTION

NONE

M I L E S T O N E S

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
INITIAL DRAFT CONTRACTOR SOURCE TERM REPORT	01/83	--	01/83
SOURCE TERM ESTIMATES FOR SELECTED PLANTS AND ACCIDENT SEQUENCES	08/83	--	01/84
THOROUGH PEER REVIEW OF THE ABOVE SCIENTIFIC BASES FOR REASSESSMENT	12/84	--	02/85
DRAFT REASSESSMENT OF THE TECHNICAL BASES FOR ESTIMATING SOURCE TERMS (NUREG-0956)	12/83	--	07/85
NRC SEVERE ACCIDENT POLICY	11/85	--	07/85
COMPLETE DTR	12/86	--	12/86
SEVERE ACCIDENT RISK REBASELINING PROGRAM DRAFT REPORT (NUREG-1150)	12/83	--	03/87

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: II B 5(1)

TITLE: BEHAVIOR OF SEVERELY DAMAGED FUEL

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
FINAL REASSESSMENT OF THE TECHNICAL BASES FOR ESTIMATING SOURCE TERMS (NUREG-0956)	07/86	--	07/86
FINAL RECS TO THE COMMISSION ON SEVERE ACCIDENT CONT. PERFORMANCE ROMNTS FOR (MARKI) OPERATING PLANTS & PLANTS UNDER CONSTRUCTION	08/88	12/90	--
SEVERE ACCIDENT RISK REBASELINING PROGRAM - FINAL REPORT (NUREG 1150)	09/88	12/90	--
ISSUE CLOSEOUT MEMO TO EDO	06/88	06/94	--

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: II B 5(3) TITLE: EFFECT OF HYDROGEN COMBUSTION ON CONTAINMENT STRUCTURES
 IDENTIFICATION DATE: 05/80C PRIORITIZATION DATE: 11/83C TYPE: LI PRIORITY:
 TASK MANAGER: P. WORTHINGTON OFFICE/DIVISION/BRANCH: RES /DSR /AEB ACTION LEVEL: ACTIVE STATUS: 5
 TAC NUMBERS: RESOLUTION DATE: 11/91
 WORK AUTHORIZATION: TMI ACTION PLAN, NUREG-0660

FIN	CONTRACTOR	CONTRACT TITLE
A1246	SNL	HYDROGEN BEHAVIOR PROGRAM
A1270	SNL	HYDROGEN BURN SURVIVAL
A1336	SNL	HYDROGEN MIXING STUDIES
A7247	LANL	HYDROGEN MITIGATION AND PREVENTIVE SCHEMES
B8208	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 BURNING DURING POSTULATED LWR ACCIDENTS. THIS WORK WILL PROVIDE AN IMPROVED UNDERSTANDING IN THE AREAS OF DEFLAGRATIONS, GLOBAL AND LOCAL DETONATIONS, FLAME ACCELERATION AND TRANSITION FROM DEFLAGRATION TO DETONATION (DDT), THE EFFECT OF BURNING ON EQUIPMENT, AND THE EFFICIENCY OF H2 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 VASTLY 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 CONTAINMENT LOADING FROM THE DEFLAGRATION COMBUSTION MODE. ON THE OTHER HAND, APPROPRIATE MODELS DO NOT EXIST TO PREDICT THE LIKELIHOOD AND CONSEQUENCES OF DIFFERENT FORMS OF COMBUSTION THAT MIGHT OCCUR FOR THE EARLY PHASE OF AN ACCIDENT. IN WHICH NONUNIFORM 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-1365) AND THE INTEGRATION PLAN FOR CLOSURE OF SEVERE ACCIDENT ISSUES (SECY-88-147). IN ACCORDANCE WITH A MEMO FROM R HOUSTON TO T SPEIS (11/04/87), THIS ISSUE WAS DETERMINED TO BE WITHIN THE REALM OF SEVERE ACCIDENT RESEARCH AND WILL CONTINUE TO BE TRACKED AS A LICENSING ISSUE.

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: II.B.5(3)

TITLE: EFFECT OF HYDROGEN COMBUSTION ON CONTAINMENT STRUCTURES

AFFECTED DOCUMENTS	PROBLEM/RESOLUTION		
SEVERE ACCIDENT RESEARCH PLAN (NUREG-0900, REV. 1, 4/86), REVISED SEVERE ACCIDENT RESEARCH PLAN (NUREG-1365), INTEGRATION PLAN FOR CLOSURE OF SEVERE ACCIDENTS (SECY-88-147)	NONE		
M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
REVIEW OF GRAND GULF PLANT HYDROGEN IGNITOR SYSTEM	10/83	--	03/83
ANALYSIS OF SEQUOYAH PLANT	09/83	--	02/84
ANALYSIS OF HYDROGEN AND STEAM RELEASES TO CONTAINMENT DURING DEGRADED CORE COOLING ACCIDENTS	02/82	--	02/84
HYDROGEN BURN EQUIPMENT SURVIVAL REPORT FOR ICE CONDENSER	09/83	--	11/84
HYDROGEN COMBUSTION EXPERIMENTS IN FITS FACILITY	12/86	--	12/86
REPORT ON POSSIBILITY OF LOCAL DETON.	01/84	--	01/87
UNCERTAINTY PAPER ON H2 COMBUSTION	05/87	--	05/87
MARCH-HECTR ANALYSIS OF SELECTED ACCIDENT IN AN ICE-CONDENSER CONTAINMENT	12/84	--	02/85
HECTR VERSION 1.0	02/85	--	02/85
HECTR VERSION 1.5	04/86	--	04/86
HYDROGEN-STEAM JET FLAME FACILITY AND EXPERIMENTS	02/85	--	02/85
REPORT ON DETONATION EXPERIMENTS SERIES I	09/87	--	06/87

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: II B 5(3)

TITLE: EFFECT OF HYDROGEN COMBUSTION ON CONTAINMENT STRUCTURES

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 NONPOWERED IGNITORS (NUREG/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 (NUREG/CR-5275)	05/84	--	04/89
A SUMMARY OF HYDROGEN-AIR DETONATION EXPERIMENTS (NUREG/CR-4961)	05/89	--	05/89
FLAME ACCELERATION STUDIES IN MINI-FLAME (SAND89-0859)	07/89	--	07/89
EFFECT OF SPRAYS ON IGNITORS REPORT (NUREG/CR-5079)	09/83	--	09/89
HECTR VERSION 1.8 (MERGE WITH CONTAIN PROGRAM)	09/87	--	09/89
HECTR-MAAP COMPARISON PART II (NUREG/CR-5215)	10/89	--	10/89
EFFECT OF H2 BURNS IN AEROSOLS SCOPING STUDY REPORT (LACE-TR-055)	10/83	10/90	--
REPORT ON DETONATION EXPERIMENTS SERIES II	05/87	10/90	--
CLOSE OUT ISSUE-LOW TEMPERATURE	11/91	11/90	--
CLOSE OUT ISSUE-HIGH TEMPERATURE	09/95	09/95	--

RUN DATE: 11/26/90

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 98

ISSUE NUMBER: II.H.2 TITLE: OBTAIN DATA ON CONDITIONS INSIDE TMI-2 CONTAINMENT
 IDENTIFICATION DATE: 05/80C PRIORITIZATION DATE: 11/83C TYPE: GSI PRIORITY: H
 TASK MANAGER: R LANDRY OFFICE/DIVISION/BRANCH: RES /DSR /AEB ACTION LEVEL: ACTIVE STATUS:
 TAC NUMBERS: RESOLUTION DATE: 12/91
 WORK AUTHORIZATION: TMI ACTION PLAN, NUREG-0660

FIN	CONTRACTOR	CONTRACT TITLE
A6899 D2072	EG&G MPR	TMI-2 LOWER HEAD COMPANION SAMPLE EXAM & ANALYSIS TMI-2 BOTTOM HEAD SAMPLING

WORK SCOPE

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 PROVIDED 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.

STATUS

PRIOR EFFORTS CONCENTRATED ON TMI-2 CORE EXAMINATION BOTH ONSITE AND OFFSITE. 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. DOE HAD NOT BUDGETED 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. EPRI AND 10 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. TWO NATIONAL LABORATORIES ARE BEING UTILIZED TO EXAMINE AND ANALYZE THE SPECIMENS.

AFFECTED DOCUMENTS

NONE

PROBLEM/RESOLUTION

NONE

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER: II.H.2

TITLE: OBTAIN DATA ON CONDITIONS INSIDE TMI-2 CONTAINMENT

M I L E S T O N E S	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
REVISED CORE EXAMINATION PLAN (DOE RESPONSIBILITY)	04/83	--	10/84
HEAD REMOVAL	07/83	--	07/84
PLENUM REMOVAL	07/85	--	05/85
BEGIN DEFUELING	10/85	--	12/85
REVISE CORE EXAMINATION PLAN	12/85	--	02/86
CORE DRILLING	07/86	--	03/87
LOWER HEAD SAMPLE REMOVAL	12/88	--	03/90
COMPLETE DEFUELING	06/87	--	05/90
FINAL FUEL ANALYSIS REPORT	09/87	12/90	--
SAMPLE EVALUATION AND REPORT	06/90	09/91	--
SUMMARY ANALYSIS	12/90	12/91	--

RUN DATE: 11/26/90

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

PAGE: 100

ISSUE NUMBER: II J 4 1

TITLE: REVISE DEFICIENCY REPORTING REQUIREMENTS

IDENTIFICATION DATE: 05/80C

PRIORITIZATION DATE: 11/83C

TYPE: GSI

PRIORITY:

TASK MANAGER: W. JONES

OFFICE/DIVISION/BRANCH: AEOD/SPDV/SPRO

ACTION LEVEL: ACTIVE

STATUS: NR

TAC NUMBERS:

RESOLUTION DATE: _____

WORK AUTHORIZATION: TMI ACTION PLAN, NUREG-0660

FIN	CONTRACTOR	CONTRACT TITLE
NONE	NONE	NONE

W O R K S C O P E

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 COMP-

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.

S T A T U S

PROPOSED AMENDMENTS WERE PUBLISHED ON 11/4/88 FOR PUBLIC COMMENT. COMMENTS WERE RECEIVED. FINAL DRAFT RULE WAS SENT

TO THE COMMISSION ON 08/14/89.

AFFECTED DOCUMENTS

10 CFR 50.55(E), 10 CFR 21

PROBLEM/RESOLUTION

AWAITING COMMISSION DECISION

M I L E S T O N E S

	ORIGINAL DATE	CURRENT DATE	ACTUAL DATE
OFFICE CONCURRENCE COMPLETE	04/83	--	06/85
TRANSMITTED TO CRGR FOR REVIEW	06/85	--	06/85

AS OF FY90 QUARTER 4

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

ISSUE NUMBER II J 4.1

TITLE: REVISE DEFICIENCY REPORTING REQUIREMENTS

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	--	03/88
FORWARD TO COMMISSION	12/87	--	03/88
PUBLISH FOR PUBLIC COMMENT	01/88	--	11/88
PUBLIC COMMENT PERIOD ENDS	03/88	--	01/89
RESOLUTION OF PUBLIC COMMENTS COMPLETE	06/88	--	07/89

GENERIC ISSUE MANAGEMENT CONTROL SYSTEM

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TITLE: REVISE DEFICIENCY REPORTING REQUIREMENTS

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
ISSUE RULE	--	--	--