

GENERIC ISSUES TRACKING SYSTEM (updated quarterly)
(Status of Generic Issues as of 12/17/81)

The Generic Issues Tracking System (GITS) provides the status of the staff generic issues which are not reported as Unresolved Safety Issues (USIs) or TMI Action Plan Items. Status of USIs is reported quarterly in the AQUA Book, NUREG-0606 and TMI action plan items are reported quarterly in the Action Plan Tracking System (APTS).

This report is divided into the following sections:

Part I	Unresolved Safety Issues (USI's)
Part II	Safety Issues:
Part IIA	Resolved Safety Issues
Part IIB	Active Safety Issues
Part IIC	Inactive Safety Issues
Part IID	Terminated or Superseded Safety Issues
Part IIE	Ongoing Safety Issues
Part III	Environmental Issues
Part IV	Licensing Improvement Issues

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STATUS INDICATORS IN THIS REPORT ARE DEFINED AS FOLLOWS:

1. TYPE

- USI - Issue has been designated as a USI and status is reported in the AQUA Book (NUREG-0606).
- S - Safety Issue.
- E - Environmental Issue.
- L - Licensing improvement issue; activities aimed at developing analysis or review procedures or improving understanding of phenomena.

2. STATUS

- ACTIVE - Item is currently under review; or the issue is technically resolved and implementation is in progress.
- ONGOING - Item has no clearly defined technical resolution or endpoint. Generic work in this area will continue periodically.
- INACTIVE - No work is currently underway in this item.
- TERMINATED - Technical work on the item has been terminated. Item has either been determined to have no safety significance or no demonstrated need for licensing improvement exists.
- RESOLVED - Technical resolution and implementation are complete.
- SUPERCEDED - Item has been superceded in scope and/or schedule by a related item in the TMI Action Plan (NUREG-0660).

3. FLAG

- RED - Trouble with item; serious slip (> 1 year); severe resource shortage; tracking problems.
- YELLOW - Any slip less than 1 year; potential red item.
- GREEN - Execution and/or implementation are going smoothly.

4. PRIORITY

- (value) - Assigned point score.

5. TASK A.P.

- YES - Task action plan has been written.
- NO - Task action plan doesn't exist.

6. TECHNICAL RESOLUTION

- COMPLETE - Issue is technically resolved but not necessarily implemented.
- INCOMPLETE - Issue is not technically resolved.

7. IMPLEMENTATION

- Completed - Technical resolution has been implemented.
- In Progress - Implementation of technical resolution is in progress.
- Not Started - Implementation of technical resolution has been determined but not started.
- Not Required - Technical resolution does not require OR/OL/CP implementation.
- Not Determined - Technical resolution of item is not complete. No determination of implementation has yet been made.

8. UPDATED

- (mm/dd/yy) - Date of information reported in current report.

PART I: UNRESOLVED SAFETY ISSUES (USI's)

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
A-1	USI		ACTIVE		YES	INCOMPLETE	IN PROGRESS		12/17/81
			NRR AL SERKIZ (492-4217) GIB/DST TITLE: Water Hammer DESCRIPTION: See AQUA Book, NUREG-0606 SCHEDULE: See AQUA Book, NUREG-0606 CURRENT STATUS: See AQUA Book, NUREG-0606 PROBLEMS:						
A-2	USI		ACTIVE		YES	COMPLETE	IN PROGRESS		12/17/81
			NRR J. SHEA (492-7231) ORB-5/DL TITLE: Asymmetric Blowdown Loads on Reactor Primary Coolant Systems DESCRIPTION: See AQUA Book, NUREG-0606 SCHEDULE: See AQUA Book, NUREG-0606 CURRENT STATUS: See AQUA Book, NUREG-0606 PROBLEMS:						
A-3	USI		ACTIVE		YES	INCOMPLETE	NOT STARTED		12/17/81
			RES J. STROSNIDER (443-5904) MMRB/RSR TITLE: Westinghouse Steam Generator Tube Integrity DESCRIPTION: See AQUA Book, NUREG-0606 SCHEDULE: See AQUA Book, NUREG-0606 CURRENT STATUS: See AQUA Book, NUREG-0606 PROBLEMS:						

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
A-4	USI		ACTIVE		YES	INCOMPLETE	NOT STARTED		12/17/81
RES J. STROSNIDER (443-5904) MMRB/RSR TITLE: CE Steam Generator Tube Integrity DESCRIPTION: See AQUA Book, NUREG-0606 SCHEDULE: See AQUA Book, NUREG-0606 CURRENT STATUS: See AQUA Book, NUREG-0606 PROBLEMS:									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
A-4	USI		ACTIVE		YES	INCOMPLETE	NOT STARTED		12/17/81
RES J. STROSNIDER (443-5904) MMRB/RSR TITLE: B&W Steam Generator Tube Integrity DESCRIPTION: See AQUA Book, NUREG-0606 SCHEDULE: See AQUA Book, NUREG-0606 CURRENT STATUS: See AQUA Book, NUREG-0606 PROBLEMS:									

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A-6	USI		RESOLVED		YES	COMPLETE	COMPLETED		12/17/81
TITLE: MARK I Short Term Program DESCRIPTION: See NUREG-0408 SCHEDULE: CURRENT STATUS: PROBLEMS:									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
A-7	USI		ACTIVE		YES	COMPLETE	IN PROGRESS		12/17/81
NRR B. SIEGEL (492-7534) ORB 2/DL TITLE: MARK I Long Term Program DESCRIPTION: See AQUA Book, NUREG-0606 SCHEDULE: See AQUA Book, NUREG-0606 CURRENT STATUS: See AQUA Book, NUREG-0606 PROBLEMS:									

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A-8	USI		ACTIVE		YES	COMPLETE	IN PROGRESS		12/17/81
NRR CLIFF ANDERSON (492-7486) GIB/DST TITLE: MARK II Containment Pool Dynamic Loads - Long Term Program DESCRIPTION: See AQUA Book, NUREG-0606 SCHEDULE: See AQUA Book, NUREG-0606 CURRENT STATUS: See AQUA Book, NUREG-0606 PROBLEMS:									

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A-9	USI		ACTIVE		YES	COMPLETE	NOT STARTED		12/17/81
NRR W. MINNERS (492-8342) SPEB/DST TITLE: ATWS DESCRIPTION: See AQUA Book, NUREG-0606 SCHEDULE: See AQUA Book, NUREG-0606 CURRENT STATUS: See AQUA Book, NUREG-0606 PROBLEMS:									

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A-10	USI		ACTIVE		YES	COMPLETE	IN PROGRESS		12/17/81
NRR PAUL O'CONNOR (492-7215) ORB-5/DL TITLE: BWR Feedwater Nozzle Cracking DESCRIPTION: See AQUA Book, NUREG-0606 SCHEDULE: See AQUA Book, NUREG-0606 CURRENT STATUS: See AQUA Book, NUREG-0606 PROBLEMS:									

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A-11	USI		ACTIVE		YES	INCOMPLETE	NOT STARTED		12/17/81
NRR R. JOHNSON (492-4715) GIB/DST TITLE: Reactor Vessel Materials Toughness DESCRIPTION: See AQUA Book, NUREG-0606 SCHEDULE: See AQUA Book, NUREG-0606 CURRENT STATUS: See AQUA Book, NUREG-0606 PROBLEMS:									

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A-12	USI		ACTIVE		YES	INCOMPLETE	NOT STARTED		12/17/81
NRR R. JOHNSON (492-4715) GIB/DST TITLE: Fracture Toughness of Steam Generator and Reactor Coolant Pump Supports. DESCRIPTION: See AQUA Book, NUREG-0606 SCHEDULE: See AQUA Book, NUREG-0606 CURRENT STATUS: See AQUA Book, NUREG-0606 PROBLEMS:									

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A-17	USI		ACTIVE		YES	INCOMPLETE	IN PROGRESS		12/17/81
FRANK COFFMAN (492-7497) RRAB/DST TITLE: Systems Interaction DESCRIPTION: See AQUA Book, NUREG-0606 SCHEDULE: See AQUA Book, NUREG-0606 CURRENT STATUS: Responsibility for continuation of the effort is with the RRAB of DST. PROBLEMS:									

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A-24	USI		ACTIVE		YES	COMPLETE	IN PROGRESS		12/17/81
NRR A. SZUKIEWICZ (492-4713) GIB/DSI TITLE: Qualification of Class I-E Safety Related Equipment DESCRIPTION: See AQUA Book, NUREG-0606. SCHEDULE: See AQUA Book, NUREG-0606. CURRENT STATUS: See AQUA Book, NUREG-0606. PROBLEMS:									

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A-26	USI		ACTIVE		YES	COMPLETE	IN PROGRESS		12/17/81
NRR DAN GARNER (492-9607) ORB4/DL TITLE: Reactor Vessel Pressure Transient Protection DESCRIPTION: See AQUA Book, NUREG-0606. SCHEDULE: See AQUA Book, NUREG-0606 CURRENT STATUS: See AQUA Book, NUREG-0606. PROBLEMS:									
A-31	USI		INACTIVE		YES	COMPLETE	SEE CURRENT STATUS		12/17/81
NRR TOM NOVAK (492-7817) DL TITLE: RHR Shutdown Requirements DESCRIPTION: See AQUA Book, NUREG-0606 SCHEDULE: Implementation not scheduled CURRENT STATUS: Implemented on CPs and OLs via SRP 5.4.7, BTP 5-1 and RG 1.139. Implementation has not been accomplished at Operating Reactors. PROBLEMS:									
A-36	USI		ACTIVE		YES	COMPLETE	IN PROGRESS		12/17/81
NRR BUD REQUA (492-7877) ORB-3/DL TITLE: Control of Heavy Loads Near Spent Fuel DESCRIPTION: See AQUA Book, NUREG-0606 SCHEDULE: See AQUA Book, NUREG-0606 CURRENT STATUS: See AQUA Book, NUREG-0606 PROBLEMS:									

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A-39	USI		ACTIVE		YES	INCOMPLETE	NOT STARTED		12/17/81
					NRR NELSON SU (492-7477) GIB/DST				
					TITLE: Determination of Safety Relief Valve Pool Dynamic Loads and Temperature Limits				
					DESCRIPTION: See AQUA Book, NUREG-0606				
					SCHEDULE: See AQUA Book, NUREG-0606				
					CURRENT STATUS: See AQUA Book, NUREG-0606				
					PROBLEMS:				

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A-40	USI		ACTIVE		YES	INCOMPLETE	NOT STARTED		12/17/81
					NRR GOUTAM BAGCHI (492-8251) EQB/DE				
					TITLE: Seismic Design Criteria - Short Term Program				
					DESCRIPTION: See AQUA Book, NUREG-0606				
					SCHEDULE: See AQUA Book, NUREG-0606				
					CURRENT STATUS: See AQUA Book, NUREG-0606				
					PROBLEMS:				

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A-42	USI		ACTIVE		YES	COMPLETE	IN PROGRESS		12/17/81
					NRR DICK CLARK (492-7162) ORB-2/DL				
					TITLE: Pipe Cracks in Boiling Water Reactors				
					DESCRIPTION: See AQUA Book, NUREG-0606				
					SCHEDULE: See AQUA Book, NUREG-0606				
					CURRENT STATUS: See AQUA Book, NUREG-0606				
					PROBLEMS:				

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A-43	USI		ACTIVE		YES	INCOMPLETE	NOT STARTED		12/17/81
NRR AL SERKIZ (492-4217) GIB/DST TITLE: Containment Emergency Sump Performance. DESCRIPTION: See AQUA Book, NUREG-0606 SCHEDULE: See AQUA Book, NUREG-0606 CURRENT STATUS: See AQUA Book, NUREG-0606 PROBLEMS:									

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A-44	USI		ACTIVE		YES	INCOMPLETE	NOT STARTED		12/17/81
NRR PAT BARANOWSKY (443-5960) RRBR/RES TITLE: Station Blackout DESCRIPTION: See AQUA Book, NUREG-0606 SCHEDULE: See AQUA Book, NUREG-0606 CURRENT STATUS: See AQUA Book, NUREG-0606 PROBLEMS:									

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A-45	USI		ACTIVE		YES	INCOMPLETE	NOT STARTED		12/17/81
NRR ANDREW MARCHESE (492-4712) GIB/DST TITLE: Shutdown Decay Heat Removal Requirements DESCRIPTION: See AQUA Book, NUREG-0606 SCHEDULE: See AQUA Book, NUREG-0606 CURRENT STATUS: See AQUA Book, NUREG-0606 PROBLEMS:									

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A-46	USI		ACTIVE		YES	INCOMPLETE	NOT STARTED		12/17/81
NRR NEWTON ANDERSON (492-7476) GIB/DST TITLE: Seismic Qualification of Equipment in Operating Plants DESCRIPTION: See AQUA Book, NUREG-0606 SCHEDULE: See AQUA Book, NUREG-0606 CURRENT STATUS: See AQUA Book, NUREG-0606 PROBLEMS:									

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A-47	USI		ACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/81
NRR ANDREW SZUKIEWICZ (492-4713) GIB/DST TITLE: Safety Implications of Control Systems DESCRIPTION: See AQUA Book, NUREG-0606 SCHEDULE: See AQUA Book, NUREG-0606 CURRENT STATUS: See AQUA Book, NUREG-0606 PROBLEMS:									

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A-48	USI		ACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/81
NRR CLIFFORD ANDERSON (492-7486) GIB/DST TITLE: Hydrogen Control Measures and Effects of Hydrogen Burns on Safety Equipment DESCRIPTION: See AQUA Book, NUREG-0606 SCHEDULE: See AQUA Book, NUREG-0606 CURRENT STATUS: See AQUA Book, NUREG-0606 PROBLEMS:									

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A-49	USI		ACTIVE		YES	INCOMPLETE	NOT STARTED		12/17/81
NRR ROY WOODS (492-4714) GIB/DST TITLE: Pressurized Thermal Shock DESCRIPTION: See AQUA Book, NUREG-0606 SCHEDULE: See AQUA Book, NUREG-0606 CURRENT STATUS: See AQUA Book, NUREG-0606 PROBLEMS:									

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B-14	USI		ACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/81
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NRR CLIFFORD ANDERSON (492-7486) GIB/DST
TITLE: Study of Hydrogen Mixing Capability in Containment Post-LOCA
DESCRIPTION: This task is included as part of USI A-48
SCHEDULE: See AQUA Book, NUREG-0606
CURRENT STATUS: See AQUA Book, NUREG-0606
PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
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B-18	USI		ACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/81
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NRR A. W. SERKIZ (492-4217) GIB/DST
TITLE: Vortex Suppression Requirements for Containment Sumps.
DESCRIPTION: This task is included as part of USI A-43 "Containment
Emergency Sump performance."
SCHEDULE: See AQUA Book, NUREG-0606
CURRENT STATUS: See AQUA Book, NUREG-0606
PROBLEMS:

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B-24	USI		ACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/81
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NRR NEWTON ANDERSON (492-7476) GIB/DST
TITLE: Seismic Qualification of Electrical and Mechanical Components
DESCRIPTION: This task is included in USI A-46 "Seismic Qualification
of Equipment in Operating Plants."
SCHEDULE: See AQUA Book, NUREG-0606
CURRENT STATUS: See AQUA Book, NUREG-0606
PROBLEMS:

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B-52	USI		ACTIVE		YES	COMPLETE	IN PROGRESS		12/17/81

NRR JIM SHEA (492-7231) ORB 5/DL

TITLE: Fuel Assembly Seismic and LOCA Responses

DESCRIPTION: The fuel assembly is a highly nonlinear structure which can be subjected to substantial loadings during seismic excitations and LOCA transients. The integrity of this assembly is critical for plant safety. Extensive work has been completed by NSSS vendors for the determination of fuel element response during the sustained vibrations of normal operation. However, there is a need to study the behavior of these assemblies during accident conditions. Future work will include a determination as to whether or not existing geometry can adequately satisfy the functional design criteria. Vibration interaction between components of the assembly and reactor pressure vessel will be investigated.

Subsequent to its approval as a Category B task, this task has been included within the scope of Task A-2, Asymmetric Blowdown Loads on PWR Primary Coolant Systems.

SCHEDULE: See AQUA Book, NUREG-0606 for implementation schedule and status.

CURRENT STATUS:

PROBLEMS:

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B-57	USI		ACTIVE		YES	INCOMPLETE	NOT STARTED		12/17/81

NRR PAT BARANOWSKY (443-5960) PAS/RES

TITLE: Station Blackout

DESCRIPTION: This task is part of USI A-44, "Station Blackout"

SCHEDULE: See AQUA Book, NUREG-0606

CURRENT STATUS: See AQUA Book, NUREG-0606

PROBLEMS:

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C-3	USI		ACTIVE		YES	INCOMPLETE	NOT STARTED		12/17/81

NRR A. SERKIZ (492-4217) GIB/DST

TITLE: Insulation Usage with in Containment

DESCRIPTION: Various kinds of insulation are being used on piping and components inside the containment of a nuclear power plant. Of concern is its behavior under pipe break accident conditions with regard to the potential for blocking vent paths in subcompartments and impairing the effectiveness of the containment emergency sumps. The purpose of this task will be to gain a better understanding of how insulation might behave under pipe break accident conditions. This information will then be used to assess the assumptions made regarding insulation behavior for subcompartment analysis and the need for revising containment emergency sump design requirements.

SCHEDULE: See AQUA Book, NUREG-0606.

CURRENT STATUS: This task is included in USI A-43, "Containment Emergency Sump Performance".

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
C-11	USI		ACTIVE		YES	INCOMPLETE	NOT STARTED		12/17/81

NRR ANDY MARCHESE (492-4712) GIB/DST

TITLE: Assessment of Failure and Reliability of Pumps and Valves.

DESCRIPTION: The operating experience of nuclear power plants indicates that a number of valves, valve operators and pumps fail to operate as specified in the technical specifications either under testing conditions or when they are called upon to perform. The operating experience is documented by the Office of Management Information and Program Control (MIPC) publications in a monthly report of LERs sorted by components which include pumps, valves, and valve operators. Most of these occurrences relate to valve leakage, valve actuation, and safety/relief valve operation outside their operational bounds. The main steam isolation, safety and solenoid valves caused the most frequent abnormal occurrences in safety-related systems. Valve malfunctions can cause forced outage of operating plants. It is noted that about 10% of all outage time can be attributed to the malfunction of the critical pumps and valves within the plant. Of primary interest are outages caused by the main steam isolation and safety/relief valves.

Several adverse operating experiences concerning main steam isolation valves (MSIVs) were reported to the Office of Inspection and Enforcement following operational tests and spurious closures at various PWR plants. This led to a staff investigation of MSIVs at all operating and near operating facilities. This investigation has recently been completed.

The principal activity under this task will be the evaluation of active pump and valves with respect to their operability and reliability under accident loading, i.e., loss of coolant accident and safe shutdown earthquake.

SCHEDULE: Not developed.

CURRENT STATUS: This task is included in the scope of USI A-45, "Shutdown Decay Heat Removal Requirements" See AQUA Book for status.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
C-13	USI		ACTIVE		YES	INCOMPLETE	IN PROGRESS		12/17/81

NRR FRANK COFFMAN (492-7497) RRAB/DST

TITLE: Non Random Failures -

DESCRIPTION: This is an ACRS generic concern. It formerly was referred to as common mode failure of identical components exposed to identical or nearly identical conditions or environments. The concern now has been expanded to include other types of multiple failures for which the consequences and probabilities cannot be predicted by application of the single failure criterion, such as use of the same sensors or components for both control and protection system, sequential multiple failures due to a domino effect, or simultaneous multiple failures due to a single fault. This task has been included in Tasks A-9, A-30, A-35, B-56, and B-57.

SCHEDULE: See Aqua Book, NUREG-0606.

CURRENT STATUS: This task is included as part of USI A-17, "Systems Interaction".

PROBLEMS:

PART IIA: RESOLVED SAFETY ISSUES

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
A-13	S		RESOLVED		YES	COMPLETE	NOT REQUIRED		12/17/81
<p>NRR RENE LEE (492-4417) MEB/DE TITLE: Snubber Operability Assurance DESCRIPTION: A substantial number of licensee event reports have been submitted on snubber malfunctions. This has lead to an NRC concern regarding the effect of snubber malfunctions on plant safety. For a complete problem description of task, see NUREG-0371, November 1978. SCHEDULE: N/A CURRENT STATUS: For operating plants, standard Technical Specification 3/4.7.9 (3/4.7.5 for BWRs) has been issued. For CP and OL reviews, SRP 3.9.3 has been updated to include snubbers. PROBLEMS:</p>									
A-23	S		RESOLVED		YES	COMPLETE	COMPLETED	20445	12/17/81
<p>NRR JIM SHAPAKER (492-9416) CSB/DSI TITLE: Containment Leak Testing DESCRIPTION: This task was developed to incorporate needed changes to Appendix J to reflect current understanding and licensing practice. A complete task description can be found in NUREG-0371. SCHEDULE: Not developed. CURRENT STATUS: A revision to Appendix J is being prepared and will result in a rulemaking proceeding. NRR action under A-23 is complete. RES contact is G. Arndt. PROBLEMS: None.</p>									
A-25	S		RESOLVED		YES	COMPLETE	COMPLETED	02140	12/17/81
<p>NRR M. SRINIVASAN (492-7255) PSB/DSI TITLE: Non Safety loads on Class IE Power Sources DESCRIPTION: The safety issue addressed by this task is whether or not the reliability of class IE power sources is significantly affected by allowing the sharing of these sources by loads that perform safety functions and loads that perform normal plant functions. See NUREG-0371 for a complete task description. SCHEDULE: None CURRENT STATUS: Contractor report received. The issue has been addressed in Reg. Guide 1.75 and is considered to be resolved. PROBLEMS:</p>									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>IACS #</u>	<u>UPDATED</u>
A-35	S		RESOLVED		YES	COMPLETE	COMPLETED	20490	12/17/81

NRR R. PREVATTE (492-9491) PSB/DSI
 TITLE: Adequacy of Offsite Power Systems
 DESCRIPTION: To assess the reliability of offsite power systems.
 See NUREG-0410 and issue 10 of NUREG-0138 for a detailed task description.
 SCHEDULE: SRP 8.3.1 revised. Backfit of requirements to all operating reactors. Complete.
 CURRENT STATUS: Resolution is formalized in SRP 8.3.1. All OLs since 1977 have complied with these requirements.
 PROBLEMS: None

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>IACS #</u>	<u>UPDATED</u>
B-6	S		RESOLVED		YES	COMPLETE	COMPLETED		12/17/81

NRR SHOU - NIEN HOU (492-8438) MEB/DE
 TITLE: Loads, Load Combinations, Stress Limits
 DESCRIPTION: This task will define how design loads should be combined on components, piping systems and structures and the stress limits to be used in evaluating structural integrity and operability when subjected to these loads.
 SCHEDULE: Revision of SRP 3.9.3 was completed.
 CURRENT STATUS: NUREG-0484 regarding load combination methodology only has been issued. Criteria regarding acceptability of using SRSS for combining dynamic responses is planned to be implemented on all Mark II plants as part of OL reviews. Revision of SRP 3.9.3 has been completed.
 PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>IACS #</u>	<u>UPDATED</u>
B-9	S		RESOLVED		NO	COMPLETE	NOT REQUIRED		12/17/81

NRR AL UNGARO (492-4946) PSB/DSI
 TITLE: Electrical Cable Penetrations of Containment
 DESCRIPTION: Reevaluate current licensing criteria for the design and qualification testing of electrical penetrations in the reactor containment.
 SCHEDULE: None
 CURRENT STATUS: Complete. ORNL evaluation determined no new requirements required.
 PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-56	S		RESOLVED		NO	COMPLETE	COMPLETED		12/17/81

NRR AL UNGARO (492-4946) PSB/DSI

TITLE: Diesel Reliability

DESCRIPTION: An examination of Licensee Event Reports on the experience with diesel generators (1969-1975) indicates that the emergency onsite diesel generators at operating plant have an average reliability of about 0.94 compared with the NRC's reliability goal of 0.99. The reliability of the diesel generator is strongly dependent on the interaction of the following factors: design, testing and operational requirements, operational history, inspections, maintenance, and the personnel qualification of operators.

The lack of detail regarding the failures reported in the Licensee Event Reports make it difficult for the NRC to establish the causes of the reported failures. A comprehensive review to determine the underlying and recurring causes of the reported failures is necessary in order to enable the NRC to establish improved guidance and requirements to increase the reliability of the emergency onsite diesel generators.

SCHEDULE: N/A

CURRENT STATUS: Technical resolution of B-56 is described in NUREG/CR-0660.

The SRP has been updated to incorporate the staff position regarding B-56, and is being implemented routinely on new applications. A decision has not been made on operating reactors.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-60	S		RESOLVED		NO	COMPLETE	COMPLETED		12/17/81

NRR G. WEIDENHAMMER (443-5997) MSEB/RES

TITLE: Loose Parts Monitoring System

DESCRIPTION: The presence of a loose (i.e., disengaged and/or drifting) object in the primary coolant system can be indicative of degraded reactor safety resulting from failure or weakening of a safety-related component. A loose part, whether it be from a failed or weakened component or from an item inadvertently left in the primary system during construction, refueling, or maintenance procedures, can contribute to component damage and material wear by frequent impacting with other parts in the system. A loose part can pose a serious threat of partial flow blockage with attendant departure from nucleate boiling (DNB) which in turn could result in failure of fuel cladding. In addition, a loose part increases the potential for control-rod jamming and for accumulation of increased levels of radioactive crud in the primary system.

The primary purpose of the loose - part detection program is the early detection of loose metallic parts in the primary system. Early detection can provide the time required to avoid or mitigate safety-related damage to or malfunction of primary system components.

The purpose of this task is to resolve any outstanding issues related to the proposed Regulatory Guide, including the development of staff positions and guidance with respect to upgrading loose parts detection systems at operating facilities.

SCHEDULE: N/A

CURRENT STATUS: All CPs and OLs under review after 1/1/78 were required to meet provisions of RG 1.133. CP and OL applicants after 1/1/78 are required to review their systems and determine if they comply or are equivalent. See implementation section of RG 1.133 for details.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-66	S		RESOLVED			COMPLETE	COMPLETED		12/17/81

NRR R. W. HOUSTON (492-7880) AEB/DSI

TITLE: Control Room Infiltration Measurements

DESCRIPTION: A key parameter affecting control room habitability under the conditions described in General Design Criteria 19 and Standard Review Plan 6.4 is the magnitude of control room air infiltration rates. Current estimates of these rates are based on data relating to buildings that are substantially different than typical nuclear power plant control room buildings. Additional experimentally-measured air exchange rates of operating reactor control rooms are needed to develop an improved data base. This task will support the following requirements:

Criterion 19 of Appendix A to 10 CFR Part 50 (General Design Criteria for Nuclear Power Plants) requires that control rooms be accessible and habitable under both normal and accident conditions.

Safety Standard Review Plan 6.4 Habitability Systems and SRP 9.4.1 Control Room Area Ventilation Systems specify a review of the control room habitability systems with respect to the functional performance required to maintain a habitable control room area in the event of postulated accidents.

SCHEDULE: Complete

CURRENT STATUS: This program is complete. Acceptance criteria have been incorporated into the SRP.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-70	S		RESOLVED		NO	COMPLETE	NOT REQUIRED	92138	12/17/81

NRR M. SRINIVASAN (492-7255) PSB/DSI

TITLE: Power Grid Frequency Degradation and Effect on Primary Coolant Pumps

DESCRIPTION: Offsite power system frequency decay, depending on the rate of decay, could provide an electrical brake on the reactor coolant pump motors that could slow the pumps faster than the assumed flywheel coastdown flow rates normally used in analyzing loss-of-flow accidents. Task A-35 will determine a maximum credible frequency decay rate to be used in this task. This task will determine if any additional measures are necessary to protect against a frequency decay event.

SCHEDULE: Complete

CURRENT STATUS: Current staff position on this task is that it is not a significant safety issue in a practical technical sense and should be deleted as a generic safety concern. Branch Technical position ICSB-15 in Appendix 8A of the SRP which addresses this issue is being deleted. A memorandum describing basis for resolution has been prepared by DSI. This issue has been resolved.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-71	S		RESOLVED		NO	COMPLETE	COMPLETED		12/17/81

TITLE: Incident Response

DESCRIPTION: Present NRC actions taken in response to a serious incident are directed from an Incident Response Center (IRC). To implement an adequate response, it is necessary that the IRC be equipped with appropriate communications services, information handling and evaluation aids, pre-approved action guidelines, and technical and management personnel resources. The present IRC, which is manned during the course of an incident by a team of NRC management and technical staff, has all of these to some degree. A joint NRR/IE paper dated July 23, 1976, addresses whether practical and useful short-term and long-term improvements can be made. The paper (1) discusses the practicality and need for various IRC resources as a function of the goals of the NRC response capability and the time sequences of a spectrum of incident scenarios judged typical of those that are at least theoretically possible, and (2) makes recommendations with regard to NRR and IE actions to improve the IRC. The paper was reviewed and discussed by the Directors of NRR and IE, and the implementation recommendations agreed to in principle and a commitment of manpower was made by each of the Directors. IE has had and now has work proceeding in the areas for which they are responsible. NMSS also has responsibility for contributing to the incident management effort.

SCHEDULE: None

CURRENT STATUS: This issue has been resolved by implementation of past TMI requirements for response to incidents.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
D-3	S		RESOLVED		NO	COMPLETE	NOT REQUIRED	02038	12/17/81

NRR DAN FIENO (492-9474) CPB/DSI

TITLE: Control Rod Drop Accident

DESCRIPTION: This is an ACRS generic concern. It involves assessing the uncertainties in calculations of the control rod drop accident including the choice of negative reactivity insertion rate due to a scram and the potential differences between a two-dimensional and a three-dimensional calculation.

SCHEDULE: Complete

CURRENT STATUS: Completed and closed out by letter to E. J. Case from R. J. Mattson dated March 6, 1978 Subject: Task No. D-3 Control Rod Drop Accident.

PROBLEMS:

PART IIB: ACTIVE SAFETY ISSUES

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
A-15	S		ACTIVE		YES	INCOMPLETE	NOT STARTED		12/17/81

NRR PHIL MATTHEWS (492-8595) CHEB/DE
 TITLE: Primary Coolant System Decontamination and Steam Generator Chemical Cleaning
 DESCRIPTION: See NUREG-0371 for Task Description.
 SCHEDULE: mid-1983.
 CURRENT STATUS: Two NUREG reports (NUREG/CR-0986 and NUREG/CR-1915) have been prepared for NRC by PNL. PNL, under T.A. contract to NRR is (1) developing decontamination administration and radiological guidelines that can be incorporated into SRP/BTP relating to ALARA and (2) identifying information that licensees should provide for staff review of proposed system decontaminations. This effort will be completed by mid-1983.
 NRC is to issue a license amendment and tech spec change shortly to authorize proceeding with decontamination at Dresden 1. The hearing is to proceed in parallel with the authorization. NRR is reviewing partial decontamination associated with plant modifications (e.g., steam generator repairs/replacement) on an ad hoc basis.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
A-16	S		ACTIVE		YES	INCOMPLETE	NOT DETERMINED		12/17/81

NRR SUMMER SUN (492-9499) CPB/DSI
 TITLE: Steam Effects on BWR Core Spray Distribution
 DESCRIPTION: During tests conducted in Europe and later confirmed by G.E., it was discovered that the presence of steam and pressure in and above the upper core region could adversely affect the distribution of flow from certain types of core spray nozzles. See NUREG-0371 for a complete task description.
 SCHEDULE: Task is scheduled to be completed in September 1983.
 CURRENT STATUS: The final series of nozzle tests have been conducted by GE at their facility in Lynn, Mass. Information from this test series should provide sufficient information for the NRC to reach final conclusions on Task A-16 and to completely develop and document staff conclusions. Test results are documented in NUREG/CR-1707. The computer code will be modified and the data assessed to close out this issue.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
A-19	S		ACTIVE		YES	INCOMPLETE	NOT DETERMINED	02135	12/17/81
NRR J. JOYCE (492-9454) ICSB/DSI TITLE: Digital Computer Protection System DESCRIPTION: A need exists to standardize the safety review of reactor protection systems incorporating digital computers, since digital technology is considerably different from the analog technology previously used for RPS systems. The technology is rapidly changing and needs to be assessed. SCHEDULE: Not developed. CURRENT STATUS: Current OL reviews are being conducted on an ad hoc basis. A joint effort (NRR with ORNL as a consultant) and RES will be directed toward development of a Regulatory Guide and SRP revision for use in subsequent reviews. The major portion of the cost of this project is borne by T.A. It is estimated that ICSS review of the proposed R.G. will be no greater than one person week. Implementation will apply to casework only. PROBLEMS:									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
A-29	S		ACTIVE		YES	INCOMPLETE			12/17/81
RES JERRY ENNIS (443-5976) TITLE: Nuclear Power Plant Design for the reduction of Vulnerability to Industrial Sabotage. DESCRIPTION: See NUREG-0371 for task description. SCHEDULE: Not established. CURRENT STATUS: An effort to determine requirements to compartmentalize plant areas to prevent sabotage is underway. LASL is conducting vital area analysis. Results of LASL work will serve as a starting point identifying generic requirements to compartmentalize. A proposal has been made for a Committee of NRR/NMSS to study requirements. PROBLEMS:									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
A-30	S		ACTIVE		YES	COMPLETE	IN PROGRESS	04587 20470	12/17/81
NRR M. SRINIVASAN (492-7255) PSB/DSI TITLE: Adequacy of safety related DC power supplies. DESCRIPTION: See NUREG-0371 for task description. SCHEDULE: Implementation schedule not established. CURRENT STATUS: NUREG-0666, "A Probabalistic Safety Analysis of DC Power Supply Requirements for Nuclear Power Plants" was issued in April '81. This report presents the technical resolution of A-30. Implementation guides are being developed. A scope of work and letter for OMB clearance will be prepared. PROBLEMS:									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
A-32	S		ACTIVE		YES	INCOMPLETE	NOT STARTED		12/17/81
NRR O. ROTHBERG (492-7864) SEB/DE TITLE: Missile Effects DESCRIPTION: This task involves development of specific licensing positions and bases for protection of nuclear plants against missile impact effects. See NUREG-0371 for a complete task description. SCHEDULE: There is no currently established schedule for this task. CURRENT STATUS: EPRI has completed some of a series of full scale and reduced scale turbine missile impact tests and are in the process of completing the remaining tests in the series. A series of tornado missile impact tests have been completed. PROBLEMS:									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
A-34	S		ACTIVE		YES	COMPLETE	IN PROGRESS	04062 20485	12/17/81
NRR J. ROSENTHAL (492-7589) ICSB/DSI TITLE: Instruments for Monitoring Radiation and Process Variables During Accidents DESCRIPTION: Develop criteria and guidelines for functional and operational capabilities required of the different classes of instruments. See NUREG-0371 for a complete task description. SCHEDULE: Not applicable CURRENT STATUS: Tech. resolution is provided in R.G. 1.97, Rev. 2 issued 12/80. Implementation for ORS is to be completed by 7/1/83. PROBLEMS:									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
A-37	S		ACTIVE		YES	INCOMPLETE	NOT STARTED		12/17/81
NRR O. ROTHBERG (492-7864) SEB/DE TITLE: Turbine Missiles DESCRIPTION: See NUREG-0317 for Task description. SCHEDULE: Not developed. CURRENT STATUS: EPRI has completed part of a series of full and reduced scale missile tests. Most of the work to date on this task has been on turbine blade cracking. PROBLEMS:									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-10	S		ACTIVE		YES	INCOMPLETE	NOT DETERMINED	04126 02271	12/17/81

NRR MEL FIELDS (492-9717) CSB/DSI

TITLE: Behavior of BWR Mark III Containments

DESCRIPTION: Staff evaluation of the Mark III containment and documentation of the method used to validate the analytical models and assumptions needed to predict containment pressures in the event of a LOCA.

SCHEDULE: Completion of task in mid-1982.

CURRENT STATUS: Staff position has been developed and sent to GE. GE response is scheduled for November 30, 1981. Draft NUREG is scheduled to be issued for comment February 1982. Final NUREG is scheduled to be issued June 1982.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-26	S		ACTIVE		YES	INCOMPLETE	IN PROGRESS		12/17/81

NRR MTEB/DE

TITLE: Structural Integrity of Containment Penetrations

DESCRIPTION: This task involves an evaluation to assess the adequacy of specific containment penetration designs from the point of view of structural integrity and inservice inspection requirements.

SCHEDULE: Not developed.

CURRENT STATUS: The task involves 2 issues. The first is structural evaluation of welded flued head assemblies. This part has been resolved. The second area involves the volumetric examination as required by ASME Code, Section XI. This issue is only partially resolved and additional independent verification needs to be performed. The Materials Engineering Branch is monitoring the inservice inspection at each plant.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>IACS #</u>	<u>UPDATED</u>
B-47	S		ACTIVE		YES	INCOMPLETE	NOT STARTED		12/17/81

NRR DAVE SELLERS (492-8968) MTEB/DE

TITLE: Inservice Inspection Criteria for Supports and Bolting of Class 1, 2, and 3 and MC Components

DESCRIPTION: This task is partially covered by USI-A-12 "Fracture Toughness of Steam Generation and Reactor Coolant Pump Supports". The original task description as published in NUREG-0371 is as follows: Results from inspections of various structural components in the torus support systems of operating BWRs have indicated several inconsistencies between the design drawings and the "as built" hardware, including missing support struts, out of tolerance weld dimensions, unwelded regions and unsupported columns. In addition, a limited number of separate inspections have been performed on PWR steam generator supports. The results of these inspections revealed several cracked support bolts.

In view of the above, additional investigation of BWR and PWR component support systems should be undertaken to determine if similar deficiencies and "off design" conditions exist generally in operating plants. This investigation should determine the extent of support system deficiencies, and whether the deficiencies are service induced or are the result of faulty construction. Determination of the extent and nature of the deficiencies is necessary to define the possible safety significance and to provide guidance for further appropriate staff action regarding inservice inspection of supports.

SCHEDULE: Not developed.

CURRENT STATUS: Inservice inspection criteria for support structures is addressed by USI A-12. Criteria for high strength bolting is included in a recommended generic issue on high strength bolting.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK I.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-48	S		ACTIVE		NO	COMPLETE	IN PROGRESS		12/17/81

NRR WARREN HAZELTON (492-8186) MTEB/DE

TITLE: BWR CRD Mechanical Failure (Collet Housing)

DESCRIPTION: Surface cracks have been discovered in control rod drive internal parts at some operating BWR plants. This cracking, although only observed to be localized in nature, if propagated could potentially affect the capability of the control rod drive to perform its design function. Cracking has been identified in the following control rod drive internal parts: the collet retaining tube (CRT), the piston tube, and the index tube.

The cracking in the collet retaining tubes was located near a transition in tube thickness approximately six inches down the tube. The cracks appear to have initiated on the outer tube surface and to have propagated circumferentially in the areas between the flow holes of the tube. The cracking in the index and piston tubes have occurred in the creviced, sensitized and non-nitrided threaded areas of these tubes.

The extent of the cracking observed at operating BWR plants to date has not been severe enough to impair the ability of the control rod drives to operate in their required capacity. As an interim precautionary measure, additional technical specification requirements were established for operating reactors which require shutdown within 48 hours of detecting a rod unless investigation demonstrates that the cause of the failure was not due to a separated collet tube. Another technical specification that has long been in effect for operating reactors requires exercising fully or partially withdrawn rods once every week as a part of the corrosion prevention program. This requirement also provides demonstration of CRT integrity.

SCHEDULE: General Electric is working with the affected utilities. No further staff effort is required.

CURRENT STATUS: General Electric is replacing old style surface hardened collets with new non-surface hardened collets, in the affected plants.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>IACS #</u>	<u>UPDATED</u>
B-53	S		ACTIVE		NO	COMPLETE	IN PROGRESS		12/17/81

NRR J. LAZEVNICK (492-9483) PSB/DSI

TITLE: Load Break Switch

DESCRIPTION: Plant designs which utilize generator load circuit breakers to satisfy the requirement for an immediate access circuit stated in GDC-17 must be prototype tested to demonstrate functional capability.

This task involves the preparation of a staff position to clarify and document the prototype testing requirements for generator load circuit breakers and associated circuitry used to provide an immediate access circuit in accordance with GDC-17. This technical position, has been completed and will be incorporated in the Standard Review Plan.

SCHEDULE: Completion of management review of the BTP is expected in early 1982, at which time it will be incorporated into the SRP.

CURRENT STATUS: Not applicable to operating reactors. The first applicable plant was McGuire and the issue resolved on this docket. Other OIs will be handled the same way. A Branch Technical position has been written and is awaiting management review, after which it will be incorporated into SRP 8.2.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-54	S		ACTIVE		NO	INCOMPLETE	IN PROGRESS		12/17/81

NRR C. TINKLER (492-9420) CSB/DSI

TITLE: Ice Condenser Containments

DESCRIPTION: This task involves two staff efforts associated with the ice condenser containment concept.

(1) Verification of the established design margin for ice condenser containments using CONTEMPT4 code. Contact: L. Ruth (492-9423) CSB.

(2) Reviewing the surveillance programs for ice inventory and functional performance testing at operating facilities to determine whether the surveillance frequencies should be increased or other action should be taken. Operating experience from the D. C. Cook plant has indicated that sublimation and ice melting are causing a loss of ice inventory and related functional performance problems. Contact: J. Shapaker (492-9416) CSB.

SCHEDULE: Not developed.

CURRENT STATUS: EG&G, Idaho is under contract for Item 1. Item 2 is ongoing within the staff.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-63	S		ACTIVE		NO	COMPLETE	IN PROGRESS		12/17/81

NRR A. CAPPUCI (492-4416) MEB/DE

TITLE: Isolation of Low Pressure Systems Connected to the Reactor Coolant Pressure Boundary

DESCRIPTION: There are several systems connected to the reactor coolant pressure boundary that have design pressures that are considerably below the reactor coolant system operating pressure. The NRC staff has required that valves forming the interface between these high and low pressure systems have sufficient redundancy to assure that the low pressure systems are not subjected to pressures which exceed their design limits.

Recently, there has been discussion relative to the adequacy of the isolation of low pressure systems that are connected to the reactor coolant pressure boundary. Past reviews have concentrated on insuring isolation of the residual heat removal system, which is a low pressure system on almost all PWRs and BWRs. Current reviews of license applications for new plants, that is, our CP/OL evaluations, are based on guidelines set forth in the Standard Review Plan (SRP). However, these guidelines were not available during the reviews of the plants which are currently operating.

SCHEDULE: Not established

CURRENT STATUS: An order was issued to all operating reactors in April 1981 to comply with requirements of technical resolution for event V configurations. All other configurations are being addressed by inservice testing SERs and are being issued as license amendments. Resolution is documented in Appendix A to Standard Review Plan 3.9.6.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-64	S		ACTIVE		NO	INCOMPLETE	IN PROGRESS		12/17/81

NRR PHIL MATTHEWS (492-8595) CHEB/DE

TITLE: Decommissioning of Reactors

DESCRIPTION: Establish guidance and acceptance criteria for the Decommissioning of Reactors needs to be developed to update Reg Guide 1.86. A more detailed description is included in NUREG-0471 dated June 1978.

SCHEDULE: See Current Status

CURRENT STATUS: 1. Regulatory Requirements/Guidance

The staff requirements and guidance for nuclear plant and fuel cycle facility decommissioning are undergoing extensive review and revision by RES. The major milestones in this program are:

- 1) Draft Generic EIS - NUREG-0586, issued 1/81
- 2) Decommissioning Policy Statement - originally targeted for transmittal to Commission 6/30/82. RES is considering deleting this milestone and issuing a Commission Information Paper in March 1982.
- 3) Proposed Rule Change - August, 1982
- 4) Final Generic EIS - August, 1982
- 5) Final Rule Change - March, 1983

In addition, PNL/NUREG reports have been issued which deal with the technology, safety, and costs of decommissioning reference nuclear facilities; e.g. PWR's (NUREG/CR 0130), BWR's (NUREG-0672). Also, RES has three research projects in support of this rulemaking effort; namely, 1) Decontamination as a Precursor to Decommissioning, 2) Long lived activation products in reactor materials, 3) Characterization of radionuclide contamination throughout LWR power stations.

Currently, the staff conducts its review of proposed decommissioning of specific plants on a case by case basis using existing applicable regulatory requirements and guidance supplemented by applicable NUREG reports on reference facilities as discussed above. The existing regulatory requirements and guidance documents are:

- 1) 10 CFR 50.82 - Applications for termination of licenses
- 2) Regulatory Guide 1.86 - "Termination of Operating Licenses for Nuclear Reactors"
- 3) Regulatory Guide 8.8 - "Information Relevant to ensuring that Occupational Radiation Exposures at nuclear power will be as low as reasonably achievable (ALARA)"

One of the major technical issues to be resolved is that of establishing uniform acceptable residual radioactivity levels of activated materials for unrestricted facility release. Regulatory Guide 1.86 only provides guidance for acceptable levels of residual surface radioactive contamination. NRR and NMSS are working closely.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
C-1	S		ACTIVE		NO	COMPLETE	IN PROGRESS		12/17/81

NRR Z. ROSZTOCZY (492-7209) EQB/DE

TITLE: Assurance of Continuous Long Term Capability of Hermetic Seals on Instrumentation and Electrical Equipment.

DESCRIPTION: Certain classes of instrumentation incorporate seals. When safety-related components within containment must function during post-LOCA accident conditions, their operability is sensitive to the ingress of steam or water. If the seals should become defective as a result of personnel errors in the maintenance of such equipment, such errors could lead to the loss of effective seals and the resultant loss of equipment operability. The establishment of a basis for confidence that sensitive equipment has a seal during the lifetime of the plant is needed. If current equipment and practices are found to be inadequate, criteria involving a testable design and/or quality assurance procedures adequate to assure continued seal integrity may be required.

SCHEDULE: Not developed.

CURRENT STATUS: This task is part of the environmental qualification of electrical equipment which is covered by commission memorandum and order (CLI-80-21). This work is currently underway in the EQB of DE.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
C-7	S		ACTIVE		NO	COMPLETE	NOT STARTED		12/17/81

NRR S. PAWLICKI (492-7258)

TITLE: PWR System Piping

DESCRIPTION: Combinations of fabrication, stress and environmental have resulted instances of stress corrosion cracking of low pressure schedule 10 type 304 stainless steel piping systems. Although these systems are not part of the reactor coolant pressure boundary, they are safety related; e.g., the containment spray system. The incidence of cracking has been restricted to thin wall, low pressure, low flow systems. These cracks have occurred adjacent to the weld zones of the thin-walled piping after approximately three to five years of service and were identified by volumetric examination, by leak detection systems, or by visual inspection. In each of the cracking events that have occurred to date, the affected piping was determined to have been sensitized and, therefore, particularly vulnerable to corrosive attack.

Current licensing criteria preclude the use of sensitized piping in safety-related piping systems and place increased emphasis on the use of corrosion-resistant material in such systems. The purpose of this task is to continue to evaluate operating experience to determine if augmented inservice inspection requirements should be established to further enhance the reliability of such piping systems.

SCHEDULE: Not Developed.

CURRENT STATUS: Resolution is published in NUREG-0691. DST has reviewed recommendations and have prioritized recommendations concerned with thermal fatigue cracking. All other recommendations were referred to MTEB/DE. No actions have been taken to implement. With regard to thermal fatigue cracking, DST recommended that DE initiate request for an augmented inservice inspection program in letter from T. Murley to R. Vollmer dated July 21, 1981.

PROBLEMS:

PART IIC: INACTIVE SAFETY ISSUES

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
A-14	S		INACTIVE		YES	INCOMPLETE	NOT STARTED		12/17/81
<p>NRR M. HUM (492-8118) MTEB/DE TITLE: Flaw Detection DESCRIPTION: This problem involves assessing inservice inspection and flaw detection techniques and providing regulatory guides for use by the staff. Input will also be provided to the ASME Code, Section XI on flaw detection techniques. For a detailed description of task, see NUREG-0371. SCHEDULE: Not developed. CURRENT STATUS: Work has been suspended - no activity on this task. PROBLEMS:</p>									
A-18	S		INACTIVE		YES	INCOMPLETE	NOT STARTED		12/17/81
<p>NRR SHOU HOU (492-8438) MEB/DE TITLE: Pipe Rupture Design Criteria DESCRIPTION: This task involves development of consistent pipe rupture criteria, evaluation of the break exclusion region of piping in containment penetration areas and development of composite design requirements of piping systems for abnormal events and normal operation - see NUREG-0371 for a complete task description. SCHEDULE: Not developed. CURRENT STATUS: No work in progress. PROBLEMS: All work on this issue has been stopped due to lack of funds.</p>									
A-21	S		INACTIVE		YES	INCOMPLETE	IN PROGRESS	02421 20435	12/17/81
<p>NRR JACK KUDRICK (492-7798) CSB/DSI TITLE: Main Steamline Break Inside Containment - Evaluation of Environmental Conditions for Equipment Qualification DESCRIPTION: To resolve the concerns regarding the evaluation of appropriate environmental conditions following a postulated MSLB accident inside containment. This task supports USI A-24. See NUREG-0371 for a complete task description. SCHEDULE: Work on this task has been suspended to work on higher priority issues. No manpower will be available during FY82. CURRENT STATUS: Interim criteria have been established for purposes of environmental qualifications, about three person months will be required to finalize criteria. PROBLEMS:</p>									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
A-22	S		INACTIVE		YES	INCOMPLETE	NOT DETERMINED	04381 20440	12/17/81

NRR W. BUTLER (492-9412) CSB/DSI
 TITLE: PWR Main Steamline Break, Core, Reactor Vessel and Containment Building Response
 DESCRIPTION: This task derived from issues 1 and 15 of NUREG 0318. Issue 1 questioned operation of nonsafety grade equipment following a MSLB. Issue 15 is concerned with the Mechanical response of the pressure vessel following a MSLB. See NUREG-0371 for a complete task description.
 SCHEDULE: Not developed. No manpower will be available until FY83.
 CURRENT STATUS: No work was ever initiated on this task. Issue 15 is included in a proposed new issue "repressurization following thermal shock".
 PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
A-38	S		INACTIVE		YES	INCOMPLETE	NOT STARTED		12/17/81

NRR O. ROTHBERG (492-7864) SEB/DE
 TITLE: Tornado Missiles
 DESCRIPTION: See NUREG-0317 for Task description.
 SCHEDULE: Not developed.
 CURRENT STATUS: Inactive.
 PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
A-41	S		INACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/81

NRR N. ANDERSON (492-7476) GIB/DST
 TITLE: Long Term Seismic Program
 DESCRIPTION: This Generic Task involved long term research program on seismic design.
 SCHEDULE: Not developed.
 CURRENT STATUS: This task was never started as a generic issue and is being conducted by RES as the Seismic Safety Margins Research Program (SSMRP).
 PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-5	S		INACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/81
<p>NRR Not assigned. TITLE: Ductility of two way slabs and shells and Buckling Behavior of Steel Containments. DESCRIPTION: This task includes two separate tasks. They will be redefined and prioritized separately. SCHEDULE: Not developed. CURRENT STATUS: Same work is being done on containment buckling by the Structural Engineering Branch of DE. PROBLEMS:</p>									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-8	S		INACTIVE		NO	INCOMPLETE	NOT DETERMINED		12/17/81
<p>NRR G. MAZETIS (492-7460) RSB/DSI TITLE: Locking out of ECCS Power Operated Valves DESCRIPTION: Reevaluation of the requirement for physical locking out of electrical sources to specific motor operated valves using a systems approach. Will consider such items as probability of a spurious signal, time to reactivate, status of signal lights, and other areas as necessary. SCHEDULE: Not scheduled for FY82. CURRENT STATUS: Westinghouse submitted a topical report before TMI - review of this report has not yet been completed. PROBLEMS:</p>									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-16	S		INACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/81
<p>NRR SHOU HOU (492-8438) MEB/DE TITLE: Protection against postulated piping failures in fluid systems outside containment DESCRIPTION: This task has been incorporated into task A-18 "Pipe Rupture Design Criteria" SCHEDULE: N/A CURRENT STATUS: N/A PROBLEMS:</p>									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-55	S		INACTIVE		NO	INCOMPLETE	IN PROGRESS		12/17/81

NRR F. CHERNY (492-8437) MEB/DE

TITLE: Improved Reliability of Target Rock Safety-Relief Valves

DESCRIPTION: Target rock power operated relief valves are used to limit the pressure rise in boiling water reactor (BWR) transients and to automatically depressurize the primary system in the event of certain loss-of-coolant accidents. In the past, a significant number of Target Rock power operated relief valves installed in BWRs inadvertently opened and subsequently failed to reseal until the primary system was essentially depressurized. The primary cause of valve maloperation was due to erosion of the setpoint pilot valve seat, resulting in the leakage of steam into the second and third stages of the valve actuator. There is a strong correlation between pilot leakage and the amount of "simmer margin" (SRV setpoint pressure minus system operating pressure) for the valve. Virtually all of the SRV blowdowns occurred on valves with less than 100 psi "simmer margin." For the short term, General Electric (GE) proposed that licensees (1) grind out the throat diameters of Target Rock SRVs which will allow the valve setpoint to be raised 35 psi and (2) monitor SRV tailpipe temperatures (from existing thermocouples) to detect valve leakage prior to an inadvertent actuation. For the long-term, GE (in conjunction with Target Rock) has proposed a redesigned valve actuator for Target Rock SRVs. The most significant change would be the elimination of the second stage so that any leakage past the pilot would exhaust rather than cause a pressure buildup to the actuating pressure in the second stage. GE and Target Rock have manufactured for prototype valves with this modification and have begun a testing program. This task involves monitoring the current programs and developing generic positions for use in the review of individual plants.

SCHEDULE: Schedule for implementation not established.

CURRENT STATUS: General Electric (at suggestion of NRC) has developed a three pronged approach to improving target rock reliability.

- (1) Replace 3 stage target rock valve with an improved 2 stage design - about 2/3 have been replaced.
- (2) Increase the simmer margin on operating plants which have three stage valves.
- (3) Discontinue use of target rock valves on new plants (most are Mark IIs and IIIs).

There is some data from last 2 or 3 years of BWR operation to show that inadvertent blowdown frequency has decreased. However, there have been some additional problems with the new two stage valve which were addressed in a recent IE Bulletin. There is very little data available on other SRVs to be used on Mark IIs and IIIs.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-58	S		INACTIVE		NO	INCOMPLETE	NOT DETERMINED		12/17/81

NRR

TITLE: Passive Mechanical Failures

DESCRIPTION: This task involves a review of valve failure data in a more systematic manner to confirm the staff's present judgment regarding the likelihood of passive mechanical valve failures, categorize these and other valve failures as to expected frequency, specify acceptance criteria and determine if and how the results of this effort should be applied in licensing reviews.

SCHEDULE: Not developed.

CURRENT STATUS: This issue has recently been evaluated by SPEB/DST and will be prioritized in calendar 1982.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-61	S		INACTIVE		NO	COMPLETE	NOT STARTED		12/17/81

NRR CARL BERLINGER (492-7538) CPB/DSI

TITLE: Allowable ECCS Equipment Outage Periods

DESCRIPTION: Surveillance test intervals and allowable equipment outage periods in the Technical Specifications for safety-related systems are largely based on engineering judgement. Analytically based criteria are needed for the staff's use in confirming or modifying these surveillance intervals and allowable equipment outage periods.

SCHEDULE: Implementation not scheduled.

CURRENT STATUS: Initial work on methodology for optimizing surveillance intervals was performed under contract with SAI. This phase of the task was completed and four reports issued.

1. "The Impact of Component Outages on ECCS Unavailability" dated August 1975 report no. SAI-75-550-WA.
2. "Amendment to "Impact of Component Outages on ECCS Unavailability" Based on NRC Surry Power Plant ECCS Analysis" dated May 1976, report no. SAI-76-536-WA.
3. "The Impact of Component Outages on ECCS/ECI Unavailability for an Operational Resar-3 PWR" dated July 1977, report no. SAI-76-622-WA.
4. "A Quantitative Approach for Establishing LCOs for ECCS/ECI Components" dated March 1979, report no. SAI-78-649-WA.

An RFP and Task description was prepared and issued in early 1978. Following TMI the RFP was recalled and no further action has been taken on this task since then. There is currently no activity.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-68	S		INACTIVE		NO	INCOMPLETE	NOT DETERMINED		12/17/81
NRR OLAN PARR (492-7483) ASB/DSI TITLE: Pump Overspeed During LOCA DESCRIPTION: There is a potential for BWR recirculation pumps or PWR main coolant pumps to overspeed during a LOCA, resulting in the potential for missile generation. This task involves the conduct of analytical and experimental work to determine whether or not destructive overspeeds could be attained and to determine if corrective actions are necessary. SCHEDULE: Not developed. CURRENT STATUS: Work has stopped on this task and nothing is planned. Each NSSS vendor has supplied reports. They were under review for several years by the Reactor Systems Branch. A series of audit calculations were being performed at the time of the TMI accident. There has been no work since that time. PROBLEMS:									

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B-73	S		INACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/81
NRR SHOU-NIEN HOU (492-8438) MEB/DE TITLE: Monitoring for Excessive Vibration Inside the Reactor Pressure Vessel DESCRIPTION: This task involves assessing the need for and, if necessary, developing criteria for acceptable vibration monitoring systems to provide early warning of excessive vibration inside the reactor vessel. SCHEDULE: Not developed. No effort is being expended due to higher priority work. CURRENT STATUS: Standard ANSI/ASME OM-5, draft 3 was completed 2/15/80. MEB has reviewed the draft and concluded that it is generally informative and needs refinement in several areas. Details of MEB comments were delineated in memo of 4/28/80 J. P. Knight to E. L. Jordan. PROBLEMS:									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
C-8	S		INACTIVE		NO	INCOMPLETE	NOT DETERMINED		12/17/81
NRR NOT ASSIGNED ASB/DSI TITLE: Main Steam Line Leakage Control Systems DESCRIPTION: Operational experience has indicated that there is a relatively high failure rate and variety of failure modes for components of the main steam isolation valve leakage control systems (MSIV-LCS) in certain operating BWRs. Experience from surveillance testing and reported in recent LERs will serve as a basis for identifying design improvements for consideration in terms of future revisions to Regulatory Guide 1.96, changes to the Standard Review Plan, and implementation on pending licensing cases. SCHEDULE: Not developed. CURRENT STATUS: There has been no activity on this task for several years. This issue has recently been evaluated by SPEB/DST and will be prioritized in calendar year 1982. PROBLEMS:									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
C-9	S		INACTIVE		NO	INCOMPLETE	NOT DETERMINED		12/17/81

NRR Not assigned.

TITLE: RHR Heat Exchanger Tube Failures

DESCRIPTION: RHR heat exchangers are designed to bring the reactor to a safe cold shutdown condition and to maintain the core in a coolable geometry following a postulated loss-of-coolant accident. In the recent past, there have been several RHR heat exchanger tube failures at BWRs. Since the pressure control system on the river water (shellside) piping system maintains the pressure of the river water in the shellside of the RHR heat exchanger greater than the primary coolant pressure in the tubeside of the RHR exchanger during plant cooldown operations, a leak in the tubes would result in back leakage of river water into the primary loop. The objective of maintaining the pressure in the shell side greater than that in the tubeside is that in the event of a tube failure there would be no leakage of radioactive fluids into the environment. This task will investigate the cause of these tube failures and the design of the pressure control system to assure that adequate long term core cooling capability is available. In addition, when the TAP is developed for this item it will be expanded to include Primary/Secondary System Heat Exchanger from sources such as shell fish, sludge, etc.

SCHEDULE: Not developed

CURRENT STATUS: Inactive.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
D-1	S		INACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/81

NRR Not Assigned

TITLE: Advisability of a Seismic Scram

DESCRIPTION: The ACRS has recommended that studies be made of techniques for seismic scram and of the potential safety advantages and potential disadvantages of prompt reactor scram in the event of strong seismic motion, say more than one-half the safe shutdown earthquake. Various suitable techniques have been identified and exist, but thus far only limited studies have been reported on the pros and cons of seismic scram.

SCHEDULE: Not developed.

CURRENT STATUS: No activity on this issue. ACRS still considers this to be of concern.

PROBLEMS:

PART IID: TERMINATED OR SUPERCEDED SAFETY ISSUES

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TEC . RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-17	S		SUPERCEDED		YES				12/17/81

TITLE: Criteria for Safety Related Operator Actions
DESCRIPTION: Task involves the development of a time criterion for safety related operator actions and includes determination of whether or not automatic ECCS realignment will be required.
SCHEDULE: None
CURRENT STATUS: This task is superceded by TMI Action Plan items I.A and I.C.
PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-67	S		TERMINATED		YES		NOT REQUIRED	02316	12/17/81

NRR RICHARD BANGART (492-7633) ETSB/DSI

TITLE: Effluent and Process Monitoring Instrumentation

DESCRIPTION: Monitoring of radioactivity in gaseous and liquid effluent streams from nuclear power plants is required for several purposes: (a) assessment of the adequacy of process and waste treatment systems, (b) the control of releases of radioactivity to the environment so that they do not exceed the limits of 10 CFR 20 and 10 CFR 50, Appendix I, and (c) the evaluation of environmental impact. This task involves improving current guidance to applicants and reviewers in the areas of radiation monitoring for process and effluent systems and reviewing the effluent monitoring systems for selected operating BWRs and PWRs to determine their effectiveness in meeting the effluent release limits of 10 CFR Parts 20 and 50.

SCHEDULE: Not applicable.

CURRENT STATUS:

- (1) Monitoring of Radioactive Materials Released in Effluents
 - Proposed BTP 11-4 was incorporated into SRP 11.5 as Appendix 11.5-A.
 - BNL/NUREG-24530 published June 1978.
 - Reg. Guide 1.97, Rev. 2 published December 1980.
 - NUREG-0592 published April 1980.
 - Radiological Effluent Technical Specifications which contain LCO's on effluent monitoring instrumentation operability and detailed surveillance requirements will be implemented at all OR's during the next two years.
 - NUREG-0737 item II.F.1 (1) is being implemented.
 - All future work in this area will be incorporated in NUREG-0660 item III.D.1.2.
- (2) Control of Radioactive Materials Released in Effluents
 - NUREG-0442 issued in April 1978.
 - IE Bulletin 78-03 requested operating BWR's take actions to reduce potential for offgas explosions.
 - SRP 11.3 contains guidance for preventing offgas explosions.
 - The staff feels there is no need for additional BTP's or Reg. Guides; therefore, this sub-task is considered resolved.
- (3) Effects of Accidental Liquid Releases on Nearby Water Supplies
 - It is unlikely that concentrations of radioactive material in the nearest potable water supply could exceed 10 CFR Part 20 values.
 - Since this issue does not now appear to be of concern in light of experience in performing these analyses for newer plants, this sub-task has been terminated.
- (4) Performance of Solid Radwaste Systems
 - SRP 11.4 addresses potable/mobile solidification systems.
 - This sub-task is no longer appropriate and has been terminated.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-69	S		SUPERCEDED		NO				12/17/81

TITLE: ECCS Leakage Ex-containment

DESCRIPTION: In the event of a severe accident, such as a loss-of-coolant accident, or any other event which could lead to significant cladding failures, the levels of radioactivity in the coolant could be high. Such a situation would require effective control of any resultant leakage. Because of the inaccessibility of the equipment under post-LOCA conditions and the manual operations involved in aligning equipment for loop functions and isolating excessively leaking components, advanced planning of the steps involved in controlling the probable leakages for the required long-term loop configurations should be set out in emergency operating procedures. Technical specifications governing loop boundary integrity, leak detection equipment, isolation equipment and leakage control equipment should be established, including limiting conditions for operation and surveillance requirements.

While existing equipment and procedures may permit a successful post-accident recovery operation, the current standard review plan does not provide an explicit basis for confirming that these objectives will be met.

SCHEDULE: None

CURRENT STATUS: This task is superseded by TMI Lessons Learned item III.D.1.1 "Primary Coolant Sources Outside of Containment," which has been implemented on all plants.

PROBLEMS:

PART IIE: ONGOING SAFETY ISSUES

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
A-28	S		ONGOING		YES	COMPLETE			12/17/81
<p>NRR OWEN ROTHBERG (492-7864) SEB/DE</p> <p>TITLE: Increase in Spent Fuel Pool Capacity</p> <p>DESCRIPTION: Develop a generic environmental impact statement and prepare for rulemaking proceeding on definition standards and criteria for spent fuel pool expansion.</p> <p>SCHEDULE: Schedule on an individual plant basis.</p> <p>CURRENT STATUS: Generic work completed. Fuel pool expansion reviewed on plant specific basis. SRP Section 3.8.4 includes requirements for design of fuel pools and expansions to fuel pools.</p> <p>PROBLEMS:</p>									

PART III: ENVIRONMENTAL ISSUES

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
A-20	E		ACTIVE		YES	INCOMPLETE	NOT STARTED		12/17/81
NRR G. E. GEARS (492-4807) EEB/DE TITLE: Impacts of the Coal Fuel Cycle DESCRIPTION: The purpose of this task is to provide a technical basis for the detailed generic assessment of the environmental effects of using coal for generating electricity. See NUREG-0371 for a complete task description. SCHEDULE: Not developed. CURRENT STATUS: ESRPs and Regulatory Guide 4.2 will be revised pending availability of staff. PROBLEMS:									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
A-33	E		RESOLVED			COMPLETE	COMPLETED	04658	12/17/81
NRR W. HOUSTON (492-7880) AEB/DSI TITLE: NEPA Review of Accident Risks DESCRIPTION: See NUREG-0371 and current calendar item SECY-80-131 of 03/11/80. SCHEDULE: NEPA accident risk evaluations are reviewed for each current FES/DES on OL cases. CURRENT STATUS: In accordance with the Commission's decision on SECY-80-131, the Federal Register Notice FR 45.40101 of 06/13/80 announced the intention to implement an interim policy in which accidents would be considered on a risk specific basis, and this is now being done. PROBLEMS:									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-1	E		ACTIVE		NO	INCOMPLETE	IN PROGRESS		12/17/81

NRR T. CAIN (492-4903) EEB/DE

TITLE: Environmental Technical Specifications

DESCRIPTION: Based on several years experience with facility licensing and a better understanding of EPA and NRC regulations, it was decided to develop standardized Environmental Technical Specifications (SETS). This task is for the development of the SETS. Final product will be either a NUREG report or as Req. Guide 4.8.

SCHEDULE: Not developed.

CURRENT STATUS: SETS have been developed for North Anna 1, Farley, Salem 1 and 2, Sequoyah, Trojan, Indian Point, and Palisades. Draft SETS have been prepared for Pt. Beach, Crystal River, & Maine Yankee. Rest of OIs will be corrected as resources permit.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-2	E		ACTIVE			ACTIVE	IN PROGRESS		12/17/81

STATE PROGRAMS

TITLE: Forecasting Electricity Demand

DESCRIPTION: This task involves improving the NRC staffs capability to forecast electricity demand for the purpose of evaluating applicants need for power forecasts in individual licensing cases.

SCHEDULE: Rulemaking expected in FY82.

CURRENT STATUS: The responsibility of the rulemaking portion of the "Need for Power" issue has been transferred to State Programs. A proposed rule has gone forth to the Commissioners and final rulemaking is pending. NRR's responsibilities are considered resolved. This is no longer considered a generic environmental issue.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-28	E		ACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/81

NRR R. CODELL (492-8018) HGEB/DE

TITLE: Radionuclide/Sediment Transport Program

DESCRIPTION: This task is to develop radionuclide/sediment transport models that have been field verified.

SCHEDULE: To be completed in FY82.

CURRENT STATUS: This work is primarily performed by RES. NRR only monitors this

RES program. The fate of radionuclides released to surface waters (i.e.), lakes, estuaries, oceans is complicated by the interaction of radionuclide with sediments. Few analytical methods estimate the effects of sediments on the transport of radionuclides through the hydrosphere. There are many questions on sediments in the PDEIS (NUREG-0683). Sediments effects were an important part of the Liquid Pathway Generic Study (NUREG-0440) and FES-III (Floating Nuclear Power - NUREG-0502). The staff is pursuing research leading to quantification of the effects of sediment.

Predictive models must be developed and verified with data obtained from actual radionuclide/sediment environments.

Research programs have been established resulting in models applicable for tidal, non-tidal, estuaries and oceans. Data collection is complete for non-tidal rivers and underway for estuaries and tidal rivers.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-37	E		ONGOING		NO	INCOMPLETE	NOT STARTED		12/17/81

NRR J. C. LEHR (492-4831) EEB/DE

TITLE: Chemical Discharges to Receiving Waters

DESCRIPTION: This task will provide insight into impact of chemical discharges and provide procedures for quantifying impacts. To provide a better defined division of responsibility between NRC and EPA.

SCHEDULE: This is an ongoing activity (monitoring RES contracts).

CURRENT STATUS: ESRPs and Regulatory Guide 4.2 will be modified upon completion of review of contractors work.

PROBLEMS: Work has been deferred because of lack of available staff.

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-38	E		INACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/81
NRR G. E. GEARS (492-4807) EEB/DE TITLE: Reconnaissance Level Investigations DESCRIPTION: This task would develop the basis of a staff position providing guidance to applicants concerning the need, applicability, utilization and scope of an adequate reconnaissance level investigations. SCHEDULE: Not developed. CURRENT STATUS: ESRPs, Proposed rule on alternate sites and Regulatory Guide 4.2 is being deferred due to unavailability of staff. PROBLEMS:									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-39	E		INACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/81
NRR G. E. GEARS (492-4807) EEB/DE TITLE: Transmission Lines DESCRIPTION: This task covers NRC participation in an interagency effort to set forth practices for siting and managing transmission line corridors for the betterment of wildlife. Also, NRC will participate with other agencies to develop a single environmental review process involving all transmission systems of joint concern. SCHEDULE: Not developed. CURRENT STATUS: Work has been suspended due to unavailability of staff. ESRPs and Regulatory Guide 4.2 are being deferred pending availability of staff. PROBLEMS:									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-40	E		INACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/81

NRR C. R. HICKEY (492-4677) EEB/DE

TITLE: Effects of Power Plant Entrainment on Plankton

DESCRIPTION: The effects of entrainment on phyto- and zooplankton populations are often minimal and occasionally beneficial. Numerous studies of the effects of entrainment on plankton organisms, phytoplankton and zooplankton, have shown impacts to be minimal and/or not significant. Studies have also shown that even when entrainment mortality is high, the overall impacts may be minimal due to the fast reproductive and recovery time for many species - a few hours for some phytoplankters to several days for zooplankton.

Utilities have undertaken exhaustive and sometimes unnecessary preoperational and operational environmental monitoring programs. In view of the above points, it may be possible to reduce or eliminate studies of certain planktonic elements, perhaps on a site or regional basis. A study of these matters will form the basis for a staff position on monitoring requirements of plankton and entrainment programs. If the state-of-the-art as defined in the study is adequate, perhaps intensive studies can be reduced, saving time and expense for both utilities and the NRC staff.

SCHEDULE: Not developed.

CURRENT STATUS: Nothing has been done on this item due to insufficient manpower.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-41	E		INACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/81

NRR MIKE MASNIK (492-4892) EEB/DE

TITLE: Impacts on Fisheries

DESCRIPTION: This task involves studies related to the impacts of power plant operation on fishery resources, for a description of studies see NUREG-0471, pg. B-52.

SCHEDULE: Suspended until manpower becomes available.

CURRENT STATUS: ESRPs and Reg. Guide 4.2 will be modified pending availability of staff.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-42	E		ACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/81

NRR DONALD CLEARY (492-4875) SAB/DE

TITLE: Socioeconomic Environmental Impacts

DESCRIPTION: As part of the cost benefit analysis for plant licensing, NRC is required to assess likely socioeconomic impacts of plant construction and operation on local communities and the surrounding region. This task is designed to improve the ability to forecast impacts for use in preparing environmental statements and hearing testimony.

SCHEDULE: Not developed.

CURRENT STATUS: Continuing at a very low level of effort.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-43	E		ACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/81

NRR G. LAROCHE (492-4820) EEB/DE

TITLE: Value of Aerial Photographs for Site Evaluation

DESCRIPTION: The technique of aerial photography has a long established and proven utility for earth resource inventory and evaluation. Applicants for nuclear construction permits are becoming aware of this and are making increasing use of aerial photographs in their environmental reports. The uncertainties with the methodology at present relate to: (1) photo interpretation techniques and the extent to which existing regulatory guidance can be met using this method; (2) fine tuning of the interplay between aerial photography and ground truthing needed to meet licensing requirements; (3) quantification of presumed cost advantages of this method; and (4) relative information return from different films, photographic scales and seasons of coverage. This task will examine existing regulatory guidance and produce a list of items which might be fulfilled in whole or in part from aerial photographic information. Field tests on actual sites will be carried out to determine the information return from photographs in relation to regulatory requirements and in relation to conventional ground based data collection efforts. The results will give the staff a documentary basis for accepting aerial photographic inventories and resource evaluation in environmental reports and for revising existing guidance for making environmental surveys.

SCHEDULE: February 1982

CURRENT STATUS: A research contract is ongoing. A quality report is expected from the contractor January 1982 and a final report February 1982.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-44	E		ACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/81

NRR SIDNEY FELD (492-4904) AEAB/DE

TITLE: Forecasts of Generating Costs of Coal and Nuclear Plants

DESCRIPTION: In the performance of NEPA obligations to evaluate alternatives to the proposed action, the staff must reach a conclusion as to the comparative costs of generating power among the feasible alternatives. While alternatives other than coal are treated in the staff's analysis, coal represents by far the most feasible alternative and requires detailed cost comparisons equivalent to those performed for nuclear. For the several years, the staff has used a computer code known as CONCEPT to obtain forecasts of plant capital costs. This code was developed by ORNL based upon design specifications and cost estimates done by United Engineers and Constructors. This task involves maintaining and developing improvements to the CONCEPT code so that it remains up-to-date for use in projections of power plant capital cost, front-end cost and generating cost forecasts.

SCHEDULE: Ongoing

CURRENT STATUS: Model is being changed to reflect cost of incorporating TMI changes in plants to be constructed. Studies are being done to improve estimates of scale economics by increasing the size of coal and nuclear plants. NRR only monitors RES contracts.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-45	E		ACTIVE		NO	RESOLVED	IN PROGRESS		12/17/81

NRR SIDNEY FELD (492-4904) AEAB/DE
 TITLE: Need for Power - Energy Conservation
 DESCRIPTION: This task has been included as part of B-2.
 SCHEDULE: See task B-2.
 CURRENT STATUS: See task B-2.
 PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-46	E		INACTIVE		NO	INCOMPLETE	NOT REQUIRED		12/17/81

NRR NOT ASSIGNED SAB/DE
 TITLE: Cost of Alternatives in Environmental Design
 DESCRIPTION: Frequently regulatory changes are made in the applicant's proposal for design and/or operation of systems or subsystems based on perceived needs to mitigate impacts on the environment. Also, differences in design and/or operation are an integral part of the treatment of alternatives in the EIS. The cost of such changes or alternatives, if calculated, are determined on an ad hoc basis. However, this cost is not always calculated, and many times they are not calculated on a consistent basis. A more consistent and comprehensive analysis of the cost of various design and operating modes appears to be warranted so that there is a reasonable and documented rationale for determining such costs. Such costs would also have to include costs of redesign. Once experience is gained in this area, consideration would be given to expanding the study to the cost of making changes because of changing safety criteria, both from a redesign standpoint as well as from a "backfit" point of view.
 SCHEDULE: Not developed.
 CURRENT STATUS: No effort is being expended on this issue at this time. It is not anticipated that work will resume in the near future.
 PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-65	E		INACTIVE		NO	INCOMPLETE	NOT DETERMINED		12/17/81

NRR W. PASEDAG (492-4993) AED/DSI

TITLE: Iodine Spiking

DESCRIPTION: The calculated radiological consequences for some postulated design basis accidents are highly dependent on the magnitude of the iodine spike postulated to occur following the transient. These calculations in turn determine the coolant activity limits allowed in the technical specifications. This task will develop and confirm a model for the iodine spiking phenomena. Procurement of data from operating plants and the development of a fuel release model for predicting the magnitude of the spikes will provide an understanding of this phenomenon which is not presently available. Improved knowledge of this topic will allow setting of the coolant activity limits at realistic levels. In addition, this could provide the basis for more realistic accident calculations.

SCHEDULE: Not developed.

CURRENT STATUS: Inactive. Work on this item may be required in the future.

This information couples with the information contained in NUREG-0772 will be utilized to reevaluate the Iodine Spiking Phenomena.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
C-16	E		ACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/81

NRR G. GEARS (492-4807) EEB/DSE

TITLE: Assessment of Agricultural Land in Relation to Power

Plant Siting and Cooling System Selection

DESCRIPTION: Interpretations of NEPA require that environmental impact assessment include land use impacts and alternatives in nuclear power plant licensing cases. The staff has performed both economic and non-economic land resource assessments in compliance with these NEPA requirements. Recent licensing cases have questioned the adequacy of the staff's resource evaluative methods with respect to large land areas required for sites and cooling lakes. The primary issue concerning the staff's assessment is that neither economic analyses nor resource assessment as currently performed provides a convincing rationale for preemption of high quality land in view of continued population pressures, predicted impending laqs in world-wide agricultural food production and probable increasing international demands on the United States for exports of agricultural products.

Food and fiber production and distribution rank with energy production and utilization as vital world problems now and for the foreseeable future. These problems are inextricably linked since energy production facilities can be consumers of large land areas while energy is a prime requirement for even modest levels of agricultural production. Thus, land use is and probably will remain a key siting issue in nuclear plant licensing.

This task will involve the conduct of a confirmatory exploration of net energy techniques to determine their suitability for application to environmental licensing assessment under NEPA. A problem of immediate licensing concern is the conflict in land use which occurs when power plants with large cooling lakes are sited in regions of prime agricultural land.

SCHEDULE: Not developed.

CURRENT STATUS: ESRPs and Regulatory Guide 4.2 are being deferred pending availability of staff.

PROBLEMS:

PART IV: LICENSING IMPROVEMENT ISSUES

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
A-27	L		RESOLVED		YES	COMPLETE	NOT REQUIRED	20455	12/17/81
NRR R. MEYER (492-9475) CPB/DSI TITLE: Reload Applications DESCRIPTION: Provide a comprehensive guidance document for use of Technical reviewers for the review of core reload applications. SCHEDULE: CURRENT STATUS: Complete PROBLEMS:									
B-3	L		INACTIVE		NO	INCOMPLETE	NOT DETERMINED	04481	12/17/81
NRR B. SHERON (492-7426) RSB/DSI TITLE: Event Categorization DESCRIPTION: This task is to recategorize the various postulated transients and accidents in chapter 15 of the SRP using probabilistic risk assessment and to define acceptance criteria for the various categories. SCHEDULE: Not developed. CURRENT STATUS: Not started. PROBLEMS:									
B-4	L		SUPERCEDED		NO				12/17/81
NRR SAMMY DIAB (492-9440) RSB/DSI TITLE: ECCS Reliability DESCRIPTION: This task involves developing and applying numerical reliability goals to the licensing process. SCHEDULE: None CURRENT STATUS: Existing INEL contract but no work done since TMI accident. PROBLEMS: This item has been superceded by NUREG-0660 item II.E.3.1.									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-7	L		ACTIVE		NO	INCOMPLETE	NOT DETERMINED	04700	12/17/81

NRR WALT PASEDAG (492-4993) AEB/DSI
 TITLE: Secondary Accident Consequence Modeling
 DESCRIPTION: Develop more reliable models and associated computer capability for assessing radiological consequences of accidents that could result in release of radioactivity through secondary systems.
 SCHEDULE: Estimated completion date - 09/30/82.
 CURRENT STATUS: Los Alamos is doing TRAC calculations to see if these types of accidents could be bounded by a simple source term. If so, case specific analysis would no longer be required. At present no NRR resources, other than T/A funds are being expended for this issue. Some progress has been made.
 PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-11	L		RESOLVED		NO	COMPLETE	NOT REQUIRED		12/17/81

NRR JACK KUDRICK (492-7798) CSB/DSI
 TITLE: Subcompartment Standard Problems
 DESCRIPTION:
 SCHEDULE: Complete
 CURRENT STATUS: Complete
 PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-12	L		RESOLVED		NO	COMPLETE	NOT REQUIRED		12/17/81

NRR W. BUTLER (492-9412) CSB/DSI
 TITLE: Containment Cooling Requirements (Non LOCA)
 DESCRIPTION: The rationale for normal and past accident cooling will be reviewed to determine the adequacy of the design requirements imposed on containment ventilation systems.
 SCHEDULE: None
 CURRENT STATUS: Complete
 PROBLEMS: Complete

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-13	L		RESOLVED			COMPLETE	NOT REQUIRED		12/17/81
NRR JACK KUDRICK (492-7798) CSB/DSI TITLE: Marviken Test Data Evaluations DESCRIPTION: Correlate the Marviken containment test data and compare the results with existing computer programs. SCHEDULE: Complete CURRENT STATUS: Complete PROBLEMS:									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-15	L		ONGOING		NO				12/17/81
NRR LARRY RUTH (492-9423) CSB/DSI TITLE: Contempt Computer Code Maintenance DESCRIPTION: This is a continuing effort. SCHEDULE: N/A CURRENT STATUS: Continuing PROBLEMS:									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-19	L		ONGOING		NO		NOT STARTED		12/17/81

NRR L. PHILLIPS (492-9472) CPB/DSI
 TITLE: Thermal Hydraulic Stability
 DESCRIPTION: This task involves the development of the analytical methods necessary for the staff to perform independent calculations to check vendor analyses of Thermal Hydraulic Stability. This is not a safety issue.
 SCHEDULE: N/A
 CURRENT STATUS: Vermont Yankee stability tests are in for review. The Browns Ferry part loop operation stability event is currently under review. This is an ongoing issue.
 PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-20	L		INACTIVE		NO	INCOMPLETE	NOT STARTED	04003	12/17/81

RES L. SHOTKIN (427-4275)
 TITLE: Standard Problem Analysis
 DESCRIPTION: The U.S. & International Standard Programs are programs in which participants predict the thermal-hydraulic behavior of experimental tests. The tests are selected and designed to challenge certain methods, features, and/or models of accident analysis codes used in reactor design and safety evaluation. RES (L. Shotkin) manages this task.
 SCHEDULE: Ongoing.
 CURRENT STATUS: An ongoing task. No work is presently being done.
 PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-21	L		RESOLVED		NO	RESOLVED	NOT REQUIRED	02021 04408	12/17/81

NRR D. FIENO (492-9474) CPD/DSI
 TITLE: Core Physics
 DESCRIPTION: This task is not a generic safety concern.
 SCHEDULE: Complete
 CURRENT STATUS: Not an identified issue. Considered to be complete and closed out.
 PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-22	L		ONGOING		NO			02069 02098 03289 04349 04366 04399 04403 05052 05089	12/17/81

NRR R. MEYER (492-9474) CPB/DSI
 TITLE: LWR Fuel
 DESCRIPTION: This task is not a generic safety concern.
 SCHEDULE: N/A
 CURRENT STATUS: Ongoing
 PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-23	L		TERMINATED		NO				12/17/81

NRR R. MEYER (492-9475)
 TITLE: LMFBR Fuel
 DESCRIPTION: This task is not a generic safety concern.
 SCHEDULE: N/A
 CURRENT STATUS: Work in this area was terminated. Future work in this area,
 if required, will be on a plant specific basis.
 PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-25	L		ACTIVE		NO	COMPLETE	IN PROGRESS		12/17/81

NRR M. HARTZMAN (492-8445) MEB/DE

TITLE: Piping Benchmark Problems

DESCRIPTION: This task consists of developing benchmark problems for structural analysis and design of piping systems for use in reviewing applications for construction permits.

SCHEDULE: Final resolution scheduled for FY83.

CURRENT STATUS: Results of this task have been used to implement provisions in IE Bulletin 79-07 regarding dynamic analysis verification of structural computer programs. Requirements in SRP 3.9.1, using the results of this task, were specified in a revision to the SRP.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-27	L		ACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/81

NRR M. HARTZMAN (492-8445) MEB/DE

TITLE: Implementation and Use of Subsection NF

DESCRIPTION: This task is to develop a staff position with regard to use of subsection NF in licensing actions not applicable to plants which predate subsection NF.

SCHEDULE: FY83

CURRENT STATUS: Eventual goal is to endorse in 10CFR 50.55a. A regulatory guide on jurisdiction and design of mechanical supports is being prepared.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-29	L		ACTIVE		NO	INCOMPLETE			12/17/81

NRR R. CODELL (492-8018) HGEB/DE

TITLE: Effectiveness of Ultimate Heat Sinks

DESCRIPTION: Evaluation of the anticipated performance of Ultimate Heat Sinks under design basis conditions requires the use of predictive analytical models. Most such models are not fully verified due to the lack of actual high quality performance data. The models must be used in a highly conservative mode and the analysis must firstly rest on preoperational data.

The methodology for finding the design basis condition for evaluating the Ultimate Heat Sink have previously been only vaguely defined to correct the deficiencies. The staff has prepared NUREG-0693 for Ultimate Heat Sink Cooling Pond Analysis and has recently issued NUREG-0733 for Spring Ponds. A draft NUREG compares the results of PNL cooling pond and Spring final performance to NRC model predictions. These NUREG documents develop in detail the staff's position on what should be required for Ultimate Heat Sink cooling pond and spring pond performance appraisals.

Performance criteria for UHS may be too conservative. Currently, there is no way to refine the early predictive estimate until the plant is essentially ready to operate.

SCHEDULE: To be completed in 1982.

CURRENT STATUS: The staff has prepared a User Need Letter for RES asking for validation of existing cooling pond hydraulic models against known field data so that these more advanced models can be used for UHS appraisals. A RES contract has recently been initiated to accomplish this. NRR will only monitor this program.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-30	L		INACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/81

NRR M. FLIEGEL (492-8117) HGEB/DE

TITLE: Design Basis Floods & Probability

DESCRIPTION: The purpose of this task is to quantify to the extent possible, the probability of design basis flood events. Adequacy of the existing deterministic method for estimating design basis floods is not in question.

SCHEDULE: Not developed.

CURRENT STATUS: Casework has taken priority over this generic issue. Handled by RES, but no contracts are in effect on this issue due to lack of T.A. funds.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-31	L		ACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/81

NRR G. STALEY (492-8003) HGEB/DE

TITLE: Dam Failure Model

DESCRIPTION: Assessment of dam failure usually requires use of empirical time-failure rate models or instantaneous failure models. The time failure models are unverified and the instantaneous failures model is possible unnecessarily conservative. The issue is that significant over conservatives may require otherwise unwarranted flood protection or execute certain sites.

SCHEDULE: No schedule has been developed. This task provides a forum for continued assessment of the issue.

CURRENT STATUS: Current State-of-the-Art has not progressed sufficiently to warrant realistic assessments.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-32	L		ACTIVE		NO	INCOMPLETE	IN PROGRESS		12/17/81

NRR REX WESCOTT (492-8476) HSEB/DE

TITLE: Ice Effects on Safety Related Water Supplies

DESCRIPTION: Not an identified safety issue. The operating experience during recent severe winters identified physical phenomena which might adversely impact the proper operation of safety-related systems (i.e., the ultimate heat sink) and impair the ability to obtain sufficient cooling water to safely shut the plant down. Typical icing conditions (e.g., surface ice) appear less important than subsurface frazile ice as a flow blockage mechanism.

Pack ice on packed surface ice has, in the past, been assumed sufficiently porous to pass the relatively low flows necessary for UHS operations. Frazile ice may not be as porous and may, under rare conditions, reduce the flow below acceptable levels. Also, forces produced by expanding ice sheets could damage safety-related equipment and structures and impair the ability of the UHS to function.

The object of this task is to ensure that operating reactors have the ability to circulate warm water to the intake (or have other processes) to limit ice buildup.

SCHEDULE: Not developed.

CURRENT STATUS: Issue serves as a forum for staff to monitor progress in the area.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-33	L		RESOLVED		NO	COMPLETE	COMPLETED		12/17/81

NRR FRANK CONGEL (492-7321) RAB/DSI

TITLE: Dose Assessment Methodology

DESCRIPTION: Not a safety issue. This task involves the maintenance of calculational capabilities for assessing doses to individuals from radiation and radioactive effluents from normal operation and from radioactive releases from postulated accidents.

SCHEDULE: Complete

CURRENT STATUS: Updated models are included in Regulatory Guide 1.109 and are used for SER, DES and FES sections concerned with public exposure to radioactive materials and effluents.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-34	L		SUPERCEDED		YES			02234	12/17/81

NRR D. M. COLLINS (492-7614) RAB/DSI

TITLE: Occupational Radiation Exposure Reduction

DESCRIPTION: This task is superceded by TMI Action Plan item III.D.3.1, "Radiation Protection Plans."

SCHEDULE: N/A

CURRENT STATUS: Superceded by TMI Action Plan item III.D.3.1, "Radiation Protection Plans".

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-35	L		ACTIVE		YES	INCOMPLETE	NOT DETERMINED	03091	12/17/81
<p>NRR RICHARD BANGART (492-7633) ETSB/DSI</p> <p>TITLE: Confirmation of Appendix I Models for Calculations of Releases of Radioactive Materials in Gaseous and Liquid Effluents from Light Water Sealed Nuclear Power Plants</p> <p>DESCRIPTION: This is not an identified safety issue. The task involves revision of models for calculating releases of radioactive materials to improve the accuracy of current staff models for appendix I calculations.</p> <p>SCHEDULE: Completion dependent on manpower and priorities. Completion of this task is expected by FY83.</p> <p>CURRENT STATUS: All research programs described in the action plan have been completed except for the source term measurement program which is still underway and is due to be completed in late FY82 or early FY83. NUREG-0016, Rev. 1 was published January, 1979. NUREG-0017, Rev. 1 is in early draft stage. INEL will complete draft on FY81 funding.</p> <p>PROBLEMS:</p>									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-36	L		RESOLVED		NO	COMPLETE	COMPLETED		12/17/81
<p>NRR RICHARD BANGART (492-7633) ETSB/DSI</p> <p>TITLE: Develop Design, Testing and Maintenance Criteria for Atmosphere Cleanup System Air Filtration and Adsorption Units for Engineered Safety Feature Systems and for Normal Ventilation Systems.</p> <p>DESCRIPTION: Title is self explanatory.</p> <p>SCHEDULE: Complete</p> <p>CURRENT STATUS: Completed - resolution is documented in Regulatory Guides 1.52, Rev. 2, dated March 1978, 1.140 Rev. 1 dated Oct. 1979.</p> <p>PROBLEMS:</p>									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-49	L		INACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/81

NRR Not Assigned

TITLE: Inservice Inspection Criteria and Corrosion Prevention
Criteria for Containments

DESCRIPTION: General Design Criterion 53, "Provisions for Containment Testing and Inspection," requires in part that the reactor containment be designed to permit: (1) periodic inspection of all important areas, and (2) an appropriate surveillance program. 10 CFR 50, Appendix J, "Primary Reactor Containment Leakage Testing for Water-Cooled Power Reactors," requires a general inspection of the surfaces of the containment prior to any Type A test to uncover any evidence of structural deterioration.

Containment designs typically utilize any one of the following structural materials: steel, steel lined reinforced concrete, steel lined prestressed concrete. To date the only detailed criteria that have been developed for inservice inspection of containments relate to tendon surveillance for pre-stressed concrete containments. These criteria are contained in Regulatory Guides 1.35 and 1.90 which address ungrouted and grouted tendons respectively. These Regulatory Guides deal primarily with the pre-stressing hardware; no detailed inservice inspection criteria exist for the steel liner or other portions of the containment. Similarly, there are no criteria for inservice inspection of steel containments or steel lined reinforced concrete containments. In view of this, detailed and comprehensive criteria need to be developed for performing inservice inspections of all type of containments.

In addition, the long term corrosion problems of reinforcements and of the steel liner in contact with concrete in concrete containments, or the corrosion of the steel surface in contact with the water in BWR suppression chambers, have yet to be adequately analyzed. Long term studies of these corrosion phenomena need to be undertaken to develop criteria and requirements to prevent corrosion in all types of containments.

SCHEDULE: Not started.

CURRENT STATUS: Considered to be low priority. There is currently no activity in this area.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-50	L		INACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/88
NRR O. ROTHBERG (492-7864) SEB/DE TITLE: Post Operating Basis Earthquake Inspection DESCRIPTION: Section V9a)(2) of Appendix A to 10 CFR Part 100 states that licensees will be required to shut down their plants in the event of an earthquake if vibratory ground motion exceeds that of the OBE. Prior to restart the licensee must demonstrate to the NRC that no functional damage has occurred to those features necessary for continued operation without undue risk to the health and safety of the public. In order to determine the capability of a plant to resume operation following an OBE an adequate inspection of the plant and site area must be performed. The requirements for this post-OBE inspection are stated in Section 3.7.4.ii.4 of the Standard Review Plan. Since neither the Regulations nor the Standard Review Plan provide details on the extent of such inspections, this task will develop an acceptable inspection procedure. SCHEDULE: Not developed. CURRENT STATUS: Inactive PROBLEMS:									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-51	L		ACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/81
NRR M. HARTZMAN (492-8445) MEB/DE TITLE: Assessment of Inelastic Analysis Techniques for Equipment and Components DESCRIPTION: In the design of nuclear power plants, inelastic response of equipment and components due to severe transients from low probability events is permitted in the ASME Boiler and Pressure Vessel Code, Section III, Subsection NA, Appendix F. Local inelastic response is also permitted for structures under severe impact loads due to low probability events. Assessment of inelastic analysis techniques applicable to equipment and components is the basic objective of this task. Inelastic analysis techniques for structures are under study as a part of NRR Category A Task No. A-40, "Seismic Design Criteria - Short Term Program." Since inelastic analysis procedures acceptable under Appendix F of the ASME Boiler and Pressure Vessel Code permit Level D Service Limits and since Level D Service Limits allow large inelastic strains, it is particularly important that properly qualified analysis techniques are used, and that their limitations are properly understood. SCHEDULE: Low level of effort (FY84). CURRENT STATUS: Work is progressing under contract with Brookhaven National Laboratory. PROBLEMS:									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-59	L		ACTIVE		YES	INCOMPLETE	IN PROGRESS		12/17/81

NRR JACK GUTTMANN (492-9439) RSB/DSI - PWR
 GEORGE THOMAS (492-9445) RSB/DSI - BWR

TITLE: Review of (N-1) Loop Operation in BWRs and PWRs

DESCRIPTION: The majority of operating BWRs and PWRs are designed to operate with less than full reactor coolant flow. If a PWR reactor coolant pump or a BWR recirculation pump becomes inoperative, the flow provided by the remaining (N-1) loops is sufficient for steady state operation at a power level less than full power. Although FSARs for the licensed BWRs and PWRs present (N-1) loop calculations showing allowable power and protective system trip setpoints, the staff has disallowed this mode of operation for most plants primarily due to insufficient ECCS analyses. Some Babcock & Wilcox (B&W) PWRs are authorized for long term operation with one reactor coolant pump out of service since they have submitted and the staff has approved the necessary ECCS, steady state, and transient calculations. The remaining BWR and PWR licensees have Technical Specifications which require shutdown within a fairly short time if one of the reactor coolant loops becomes inoperable.

The purpose of this task is to develop a set of acceptance criteria and review guidelines for the (N-1) loop authorization requests.

SCHEDULE: Not developed.

CURRENT STATUS: All B&W plants have been approved for N-1 operation. Contractor reports on Westinghouse plants N-1 operation are under staff review. Combustion Engineering has submitted analyses for Calvert Cliffs. The review of BWRs has been suspended pending review of the incident at Browns Ferry when core vibrations occurred during single loop operation. A meeting was held with a GE owners group to discuss the incident, and the issue was resolved. Staff positions for BWR's is that for single loop operation, plants are restricted to 50% power. SER's are being written for eleven BWR plants which have applied for N-1 operation.

No manpower is being expended by RSB for work on PWR's at the present time.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-62	L		RESOLVED		NO	COMPLETE	NOT REQUIRED		12/17/81

NRR DAN FIENO (492-9474) CPB/DSI

TITLE: Reexamination of Technical Bases for Establishing SLs LSSS.

DESCRIPTION: The methods used to establish safe operating limits for reactor cores were developed about ten years ago. At present, safety margins are reviewed utilizing previous staff judgments based on individual plant reviews. A uniform staff position needs to be developed for application to core performance reviews of new plants and to reloads and core modifications of operating plants.

SCHEDULE:

CURRENT STATUS: This is not a safety issue. There is no activity in this area, nor is there any planned. This issue is considered to be resolved.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
B-72	L		ACTIVE		NO	COMPLETE	IN PROGRESS		12/17/81

NRR F. CONGEL (492-7321) RAB/DSI

TITLE: Development of Models for Assessing Risk of Health Effects and Life Shortening from Uranium and Coal Fuel Cycles

DESCRIPTION: Current practice in health impact assessments is to convert radiation exposure estimates into estimates of health effects, such as cancer deaths, illness, and life-shortening. However, the models presently being used, such as those in WASH-1400, GESMO, current NRC case related testimony, and EPA assessments, all suffer from similar weaknesses. A major common weakness, which appears amendable to solution, is related to the correct treatment of competing risks among populations with life expectancies, age, and sex distributions that vary with time. Since the staff is currently attempting to assess health effects in the future (e.g., Year 2000 and beyond), it is reasonable to expect significant changes in current population statistics. To make such an assessment, a demographic model is required which extrapolates the current population into the future, correctly allowing for competing risks of mortality from various causes (e.g., accidents, heart disease, and cancer). Failure to do so results, for example, in hypothetical cancer deaths for people who would statistically die from other causes. In the absence of better predictive models, it is not possible to even evaluate the uncertainty associated with the use of the current simplified methods for estimating health effects and consequent life shortening. Uncertainties in the use of current models are greatly magnified when attempting to make comparisons of health effects for the coal and nuclear fuel cycles.

Current health effects models generally are used for estimating long-term impacts. Chronic exposure may be the primary determinant of the number of deaths for a given period for a given pollutant. However, in the case of non-radiological pollutants from the coal fuel cycle, short-term fluctuations leading to acute exposures may determine the time of death and consequent life-shortening. Current evaluations of the coal fuel cycle generally fail to account for short-term mortality, disease and illness. In addition, short-term effects from chemical pollutants are generally dependent on the prior history of chronic (long-term) exposure.

Current models generally assume linear dose-response relationships even when evidence exists for real or practical thresholds, or where experimental data support a non-linear dose response relationship.

This task involves the development of models to address these problems so that health effects (morbidity and mortality) can be assessed for both the coal and uranium fuel cycles as completely as current data permit and on a comparable basis.

SCHEDULE: Final NUREG-0332 is due to be issued in January 1982.

CURRENT STATUS: Information contained in the Draft NUREG is being used in Draft and Final environmental statements regarding comparisons of coal and nuclear impacts.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
C-2	L		INACTIVE		NO	INCOMPLETE	NOT DETERMINED		12/17/81

NRR J. KUDRICK (492-7798) CSB/DSI

TITLE: Study of Containment Depressurization by Inadvertent
Spray Operation.

DESCRIPTION: Inadvertent operation of containment sprays can result in a rapid depressurization of the containment building. Where containment external design pressure may be exceeded many plants have been provided with vacuum breakers or control system interlocks to prevent the containment external design pressure from being exceeded. The depressurization of the containment is a transient behavior and can take place in a short time period. This task involves the development of a code to be used for the analysis of containment pressure response (both with and without the effects of vacuum breakers or control systems) for the inadvertent spray accident.

SCHEDULE: Expected to be completed in FY-83.

CURRENT STATUS: There has been no work on this activity because of low priority.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
C-4	L		TERMINATED						12/17/81

NRR B. SHERON (492-7626) RSB/DSI

TITLE: Statistical Methods for ECCS Analysis

DESCRIPTION: Appendix K 10 CFR 50 specifies the requirements for LWR ECCS analysis. These requirements presently call for specified conservatisms to be applied to certain models and correlations used in the analysis to account for data uncertainties at the time Appendix K was written. The resulting conservatism in the calculated peak clad temperature however, has never been compared against the uncertainty in peak clad temperature obtained from a realistically calculated (best estimate) LOCA.

In order to assess the safety margin in the Appendix K requirements, the peak clad temperature requirement (2200 degree F) will be equated to an uncertainty level of a realistic calculation. This will be accomplished by analytical analysis utilizing best estimate LOCA analysis codes in which certain input parameters are simultaneously varied about their uncertainty distribution functions such that a resulting uncertainty distribution functions in peak clad temperature is obtained. It is then possible to express the conservatism of the 2200 degree F cladding temperature limit in terms of probability or standard deviations from the most probable peak clad temperature. The statistical methods for ECCS analysis will provide a probabilistic quantification of the safety margin imposed by 10 CFR 50 Appendix K ECCS safety evaluation requirements. The results of this program will be used to aid the staff in the review of changes to vendor ECCS models and in performing staff audit calculations of ECCS performance.

SCHEDULE: None. Program terminated.

CURRENT STATUS: This task is not an identified safety concern.

RES completed certain parts of this program prior to TMI; however, due to the deemphasis of the LBLOCA and the establishment many higher priority items, this program has been terminated.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
C-5	L		RESOLVED		NO	COMPLETE	NOT REQUIRED	02039	12/17/81

NRR H. RICHINGS (492-9465) CPB/DSI

TITLE: Decay Heat Update

DESCRIPTION: This task involves following the work of research groups in determining best estimate decay heat data and associated uncertainties for use in LOCA calculations. The results of this task could be incorporated in future revisions of the current regulations regarding ECCS performance.

SCHEDULE: Not established.

CURRENT STATUS: NRC has followed the development of ANS standard 5.1 proposed guidelines. ANS 5.1 applies to Appendix K type calculations.

The staff does not interst to propose rulemaking to charge 10 CFR 50, Appendix K. This issue is considered to be resolved.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
C-6	L		RESOLVED		NO	COMPLETE	NOT REQUIRED	02037	12/17/81

NRR DAN FIENO (492-9474) CPB/DSI

TITLE: LOCA Heat Sources

DESCRIPTION: The contributors to LOCA heat sources, along with their associated uncertainties, and the manner in which they are combined have an impact on LOCA calculations. An evaluation of the combined effect of power density, decay heat, stored energy, fission power decay and their associated uncertainties with regard to calculations of LOCA heat sources is needed. This task will involve the review of vendor's data and approaches for determining LOCA heat sources and developing staff positions as needed.

SCHEDULE: Not established.

CURRENT STATUS: This issue was intended to be an open item to cover work to improve predictions of heat sources for LOCA calculations.

It is not an identified safety issue. It is cosidered to be resolved.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
C-10	L		INACTIVE		NO	INCOMPLETE	NOT DETERMINED		12/17/81

NRR T. QUAY (492-7159) AEB/DSI

TITLE: Effective Operation of Containment Sprays in a LOCA

DESCRIPTION: This task will respond to a concern of the ACRS about the effectiveness of various containment sprays to remove airborne radioactive materials which could be present within the containment following a LOCA. This concern has been expanded to include the possible damage to equipment located inside containment due to an inadvertent actuation of the sprays.

This task involves assisting the industry in writing an ANSI Standard on the design of containment spray systems, developing a topical report on the technological bases for spray washout models, and in managing contract to evaluate the ability of different spray solutions to remove the radiiodines and radioactive particulates released to containment during a postulated LOCA.

Draft 7 of ANSI N581, "BWR and PWR Containment Spray System Design", has been reviewed by the staff. Following resolution of the NRC comments and issuance of this standard by ANSI, a regulatory guide endorsing this standard will be developed by RES.

SCHEDULE: Not developed.

CURRENT STATUS: Task largely completed although not completely documented.

Needs re-evaluation to determine if additional work needs to be done.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
C-12	L		INACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/81

NRR Not assigned

TITLE: Primary System Vibration Assessment

DESCRIPTION: Structural damage to the primary system, including the reactor pressure vessel and internals, associated piping and steam generator tubing in PWR's, can be caused by vibrations of sufficient magnitude. These vibrations can be either flow-induced or the result of operation of the pumps to which primary system piping is attached. There have been a number of instances where components internal to the reactor coolant pressure boundary have come loose as the result of flow-induced vibration and been carried through the primary system by the coolant flow.

Excessive core barrel movement, caused by flow-induced vibration, may lead to many detrimental effects including damage to reactor internals and interference with control rod movement. Problems resulting from excessive core barrel movement have been encountered at Palisades and possibly other operating plants.

Structural damage due to flow-induced vibration of steam generator tubing has also been encountered. Anti-vibration bars are currently utilized to minimize tube vibration. However, fretting has occurred due to deficient design and material selection for the anti-vibration bars.

Piping systems are also susceptible to forced vibration as a result of pump vibration during operation. If a natural frequency of the connected piping is very nearly the same as the driving frequency of the pump there is then the possibility, depending on the amplitude of vibration, for fatigue failures in the system, particularly at the nozzle where the stresses will be highest.

Preoperational testing of reactor internals, piping systems and mechanical equipment conducted during startup functional testing to assure structural and functional integrity per section 3.9.2 of the Standard Review Plant and Regulatory Guide 1.20. However, vibration frequency shifts are possible during operation as a result of component and/or component support wear or degradation. Also, vibration effects for the long term may not have been properly assessed during startup testing.

Inservice inspection during the life of the plant and possible visual and audible detection of vibration during plant operation may be necessary in order to arrest structural damage already incurred or, if the vibration were to continue, might occur at some future time. This vibration assessment could lead to modifications in the design of system components or component support arrangements of system operation sequences.

SCHEDULE: Not developed.

CURRENT STATUS: Inactive

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
C-14	L		INACTIVE		NO	INCOMPLETE	NOT STARTED		12/17/81

NRR M. FLIEGEL (492-8117) HGEB/DE
 TITLE: Storm Surge Modes for Coastal Sites
 DESCRIPTION: The primary tool used by the staff for estimating storm surge has been the bathystrophic model developed by the US Army Corps and Engineers, Coastal, Engineering Research Center. The model has served its intended purpose well, but bigger, faster computers can handle multidimensional, multivariability models. These models can be used in a less conservative mode to account for irregular shoreline and shape factors ignored by the bathystrophic. This issue is not an identified safety problem. However, more complex models would allow single step solution of coastal flooding problems.

SCHEDULE: Not developed.

CURRENT STATUS: Currently the technical community is developing and attempting to verify more complex model. However, limitation of data defining both the storm and surge in time and space impede validation. The NRC is cosponsoring data acquisition proposed and is cooperating in model assessment. This task provides the forum for NRR staff activities in this area. This task provides for continuous tracking and assessment of model evaluation and data acquisition programs. There is no work currently in progress on this task due to its low priority.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>TACS #</u>	<u>UPDATED</u>
C-15	L		INACTIVE		YES	INCOMPLETE	NOT DETERMINED		12/17/81

NRR R. BANGART (492-7633) ETSB/DSI
 TITLE: NUREG Report for Liquids Tank Failure Analysis
 DESCRIPTION: Standard Review Plan 15.7.3 requires an analysis of the consequences of failure of tanks containing radioactive liquids outside containment. This task involves the development of a NUREG report that will describe a consistent and acceptable method for analyzing the effects of a failure of a radioactive liquid waste tank.

SCHEDULE: Not developed.

CURRENT STATUS: No action has started on this items due to low priority.

PROBLEMS:

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>IACS #</u>	<u>UPDATED</u>
C-17	L		RESOLVED		NO	COMPLETE	NOT REQUIRED	02311	12/17/81
NRR RICHARD BANGART (492-7633) ETSB/DSI									
TITLE: Interm Acceptance Criteria for Solidification Agents for Radioactive Solide Wastes.									
DESCRIPTION: There are no current criteria for acceptability of solidification agents. This task involves the development of criteria for acceptability of radwaste solidification agents to properly implement a process control program for the packaging of diverse plant waste for shallow land burial.									
SCHEDULE: N/A									
CURRENT STATUS: Resolution is documented by 10 CFR Proposed Part 61.									
PROBLEMS:									

<u>ISSUE #</u>	<u>TYPE</u>	<u>FLAG</u>	<u>STATUS</u>	<u>PRIORITY</u>	<u>TASK A.P.</u>	<u>TECH. RES.</u>	<u>IMPLEMENTATION</u>	<u>IACS #</u>	<u>UPDATED</u>
D-2	L		ACTIVE		YES	INCOMPLETE	NOT STARTED		12/17/81
NRR B. SHERON (492-7626) RSB/DSI									
TITLE: Emergency Core Cooling System Capability for Future Plants									
DESCRIPTION: This is an ACRS generic concern. It involves exploration of diverse means of obtaining ECCS capability. This item is incorporated in USI A-45.									
SCHEDULE: See AQUA Book, NUREG-0606									
CURRENT STATUS: See AQUA Book, NUREG-0606									
PROBLEMS:									

THIS IS THE FIFTH ITERATION OF THE TMI ACTION PLAN TRACKING SYSTEM (APTS).

TMI ACTION PLAN TRACKING SYSTEM
STATUS INDICATORS

DRAFT

1. STATUS INDICATORS:

- INACTIVE - NO WORK IS CURRENTLY UNDERWAY IN THIS ITEM.
- REQUIREMENT - A REQUIREMENT HAS BEEN ISSUED AND THE ITEM IS BEING IMPLEMENTED.
- COMPLETE - ALL ACTIVITY ON THE ACTION ITEM HAS BEEN FINISHED; STUDY OR REPORT COMPLETED; REQUIREMENT, ISSUANCE, AND IMPLEMENTATION COMPLETE.
- ACTIVE - ACTIVE; UNDER REVIEW

2. STATUS FLAGS:

- RED - TROUBLE WITH ITEM; SERIOUS SLIP (> 1 YEAR); SEVERE RESOURCE SHORTAGE; TRACKING PROBLEMS.
- YELLOW - ANY SLIP LESS THAN 1 YEAR; POTENTIAL RED ITEM.
- GREEN - EXECUTION AND/OR IMPLEMENTATION ARE GOING SMOOTHLY.

3. COMMISSION ACTION INDICATOR:

- YES - INDICATES COMMISSION REVIEW/ACTION IS REQUIRED ON THE ITEM.
- NO - COMMISSION ATTENTION IS NOT REQUIRED BY THE ITEM.

A2

TMI ACTION PLAN TRACKING SYSTEM (APTS)

JANUARY 1982 ISSUE

MASTER LIST INCLUDING ALL ACTION ITEMS (RUN DATE: 01/30/82)

DRAFT

SUMMARY OF ACTION ITEMS:

CHAPTER I : 83 (OPERATIONAL SAFETY)
CHAPTER II : 182 (SITING AND DESIGN)
CHAPTER III : 62 (EMERGENCY PREPAREDNESS AND RADIATION EFFECTS)
CHAPTER IV : 20 (PRACTICES AND PROCEDURES)
TOTAL 347 (PRIORITY '1' ITEMS : 198)

(CHAPTER BREAKDOWN FOLLOWS NUMBERS - I,II,III,IV)

COMPLETE : 111 (27,57,19,8)
RED ITEMS : 17 (7,7,3,0)
YELLOW ITEMS : 49 (20,22,5,2,)
GREEN ITEMS : 170 (29,96,35,10)
TOTAL : 347 (83,182,62,20)

PRIORITY '1' ITEMS : 75 (18,53,4,0)
PRIORITY '1' ITEMS : 8 (4,4,0,0)
PRIORITY '1' ITEMS : 29 (13,15,1,0)
PRIORITY '1' ITEMS : 86 (12,72,2,0)
TOTAL : 198 (47,144,7,0)

*REQUIREMENT : 72 (15,52,5,0)
*INACTIVE : 80 (19,43,15,3)

PRIORITY '1' ITEMS : 60 (11,48,1,0)
PRIORITY '1' ITEMS : 40 (9,31,0,0)

* THESE ITEMS ARE NOT MUTUALLY EXCLUSIVE WITH RESPECT TO THE OTHER CATEGORIES.

COMMENTS:

MEMORANDUM FROM H. DENTON TO NRR DIVISION DIRECTORS (07/10/81) DIRECTED THAT NO RESOURCES BE EXPENDED ON NUREG-0660 PRIORITY 2 AND 3 ISSUES UNTIL FY83.

EDITED AND PUBLISHED BY THE OFFICE OF MANAGEMENT AND PROGRAM ANALYSIS
CONTACT: MIKE KING, X27039, MAIL STOP 12704-MNBB.

TMI ACTION PLAN TRACKING SYSTEM (APTS)

JANUARY 1982 ISSUE

CHAPTER I ACTION ITEMS (RUN DATE: 01/30/82)

SUMMARY OF ACTION ITEMS:

CHAPTER I :	<u>83</u>	(OPERATIONAL SAFETY)		
NRR LEAD :	<u>46</u>		PRIORITY '1' ITEMS :	<u>32</u>
IE LEAD :	<u>7</u>		PRIORITY '1' ITEMS :	<u>4</u>
RES LEAD :	<u>25</u>		PRIORITY '1' ITEMS :	<u>7</u>
OTHER LEAD :	<u>5</u>		PRIORITY '1' ITEMS :	<u>4</u>

(OFFICE BREAKDOWN FOLLOWS NUMBERS - NRR,IE,RES,OTHER)

COMPLETE :	<u>27</u>	(12,5,7,3)	PRIORITY '1' ITEMS :	<u>18</u>	(11,2,2,3)
RED ITEMS :	<u>7</u>	(5,0,2,0)	PRIORITY '1' ITEMS :	<u>4</u>	(4,0,0,0)
YELLOW ITEMS :	<u>20</u>	(12,1,6,1)	PRIORITY '1' ITEMS :	<u>13</u>	(9,1,3,0)
GREEN ITEMS :	<u>29</u>	(17,1,10,1)	PRIORITY '1' ITEMS :	<u>12</u>	(8,1,2,1)
TOTAL :	<u>83</u>	(46,7,25,5)	TOTAL :	<u>47</u>	(32,4,7,4)
*REQUIREMENT :	<u>15</u>	(15,0,0,0)	PRIORITY '1' ITEMS :	<u>11</u>	(11,0,0,0)
*INACTIVE :	<u>19</u>	(12,2,5,0)	PRIORITY '1' ITEMS :	<u>9</u>	(6,2,1,0)

* THESE ITEMS ARE NOT MUTUALLY EXCLUSIVE WITH RESPECT TO THE OTHER CATEGORIES.

COMMENTS:

01/30/82 (CHAPTER I - OPERATIONAL SAFETY)

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
I.A.1.1	1	REQUIREMENT	GREEN	NO		FY81	01/15/82	NRR NRR IE	DAVE VERRELLI JOHN ZWOLINSKI MIKE KIDD	28434 28460 28019	DL DHFS	ORAB LQB	042055 042055

TITLE:..... OPERATIONAL SAFETY - SHIFT TECHNICAL ADVISOR (NRR)
 PURPOSE:..... INCREASE THE CAPABILITY OF SHIFT CREWS BY PROVIDING AN ENGINEER ON-SHIFT TO PROVIDE
 ADVICE AND ASSISTANCE.
 SCHEDULE:..... (ORIGINAL) STAS ON DUTY BY 01/80. FULLY TRAINED STAS BY 01/81.
 (CURRENT) TRAINING COMPLETED BY LICENSEES TO MEET BY 01/81 STAFF GUIDELINES PROVIDED IN
 LETTERS DATED 9/13/79 AND 10/30/79.
 ACCOMPLISHMENTS:.. STAS ON DUTY AT ALL OPERATING PLANTS - 01/80. CLARIFICATION LETTER (NUREG-0737) RE
 TRAINING REQUIREMENTS TO MEET STAFF GUIDELINES BY 01/81 ISSUED TO ALL LICENSEES IN
 NOVEMBER 1980.
 CURRENT STATUS:.. LICENSEES TO SUBMIT BY 01/01/81 DESCRIPTION OF CURRENT TRAINING PROGRAM AND DEMONSTRATION
 OF CONFORMANCE TO STAFF GUIDELINES FOR POST-IMPLEMENTATION REVIEW. ORDERS WERE ISSUED
 (JULY 81) CONFIRMING LICENSEE COMMITMENTS TO SATISFY THIS ITEM.
 ISSUES:..... THE STAFF HAS NOT YET ESTABLISHED THE DETAILED ELEMENTS OF THE ACADEMIC AND TRAINING
 REQUIREMENTS OF THE STA BEYOND THE GUIDANCE GIVEN IN ITS LETTERS OF 9/13/79 AND 10/30/79
 AND NUREG-0737. THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING
 TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).
 NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
I.A.1.2	1	COMPLETE		NO		05/80	08/26/81	NRR NRR IE	DAVE VERRELLI FRED ALLENSPACH MIKE KIDD	28434 27741 28019	DL	ORAB LQB	042056

TITLE:..... OPERATIONAL SAFETY - SHIFT SUPERVISOR ADMIN. DUTIES (NRR)
 PURPOSE:..... INCREASE THE SHIFT SUPERVISOR'S ATTENTION TO THE COMMAND FUNCTION BY MINIMIZING
 ANCILLARY RESPONSIBILITIES.
 SCHEDULE:..... (ORIGINAL) LETTERS STATING POSITION SENT TO LICENSEES OF OPERATING PLANTS AND PLANTS
 UNDER CONSTRUCTION, AND PENDING OL AND CP APPLICANTS IN THE FALL OF 1979. (CURRENT)
 TASK COMPLETED PER ORIGINAL. ALL OL APPLICATIONS WILL BE REVIEWED TO ASSURE CONFORMANCE.
 ACCOMPLISHMENTS:..
 CURRENT STATUS:.. APPLICANTS FOR OL WILL COMPLETE BY FUEL LOADING.
 ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON
 THE PROJECT ACTION TRACKING SYSTEM (PATS).

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
I.A.1.3	1	REQUIREMENT	GREEN	NO	07/82	01/15/82	NRR NRR IE	DAVE VERRELLI LAWRENCE CROCKER MIKE KIDD	28434 28357 28019	DL DHFS	ORAB LQB	042057 *

TITLE:..... OPERATIONAL SAFETY - SHIFT MANNING (NRR)
 PURPOSE:..... ASSURE THE NECESSARY NUMBER AND AVAILABILITY OF SHIFT PERSONNEL. ASSURE SENIOR LICENSED OPERATOR IN CONTROL ROOM AND SHIFT SUPERVISOR IN CHARGE OF SHIFT.
 SCHEDULE:..... (ORIGINAL) CRITERIA READY BY 05/80. IMPLEMENTATION BY IE TO BE COMPLETED BY 07/82. (CURRENT) IMPLEMENTATION TO BE COMPLETED BY 07/82.
 ACCOMPLISHMENTS:.. CRITERIA SENT TO LICENSEES OF OPERATING PLANTS, OL APPLICANTS AND HOLDERS OF CPS BY LETTER DATED 07/15/80. CONFIRMED BY NUREG-0737 ISSUED NOVEMBER 1980.
 CURRENT STATUS:... LICENSEES WERE TOLD TO RESPOND TO LETTER WITHIN 90 DAYS OF RECEIPT OF JULY 31 LETTER; SUBMITTALS ON SHIFT MANNING NOT DUE UNTIL 07/82.
 ISSUES:..... LETTER ALSO CONTAINS OPERATOR OVERTIME LIMITATIONS. THIS IN CONJUNCTION WITH REQUIREMENTS ON ADDITIONAL LICENSED PERSONNEL, AND UPGRADING OF OPERATOR LICENSE EXAM GRADING IMPACT ON THE AVAILABILITY OF LICENSED OPERATORS FOR NTOLS. THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).
 NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
I.A.1.4	-	ACTIVE	YELLOW	YES	01/82	11/20/81	RES IE NRR OELD	THOMAS SCARBROUGH SAM BRYAN DOMENIC VASSALLO GUY CUNNINGHAM	35942 29644 27976 27203	DFD DPDA DHFS	HFB PDB LQB	HF0181 *

TITLE:..... OPERATIONAL SAFETY - LONG-TERM UPGRADING (RES)
 PURPOSE:..... DEVELOP CHANGES TO 10 CFR 50.54 CONCERNING SHIFT STAFFING BY LICENSED OPERATORS AND WORKING HOURS OF LICENSED OPERATORS.
 SCHEDULE:..... (ORIGINAL) RES, STAFF REVIEW OF COMMISSION PAPER - 09/80, COMPLETE ITEM - 04/82. (CURRENT) COMMISSION ACTION ON STAFF PAPER (SECY-81-440 DATED 7/22/81) REGARDING WORKING HOURS HAS BEEN RECEIVED 11/4/81. RES REVISING COMMISSION PAPER.
 ACCOMPLISHMENTS:.. 10/29 NRR & RES PARTIAL AGREEMENT ON WORKING HOUR LIMITATIONS.
 CURRENT STATUS:... COMMISSION ACTION ON SECY-81-440 RECEIVED 11/4/81. RES TO SUBMIT COMMISSION PAPER BY 04/82.
 ISSUES:..... (1) NUMBER OF LICENSED OPERATORS BASED ON NUMBER OF REACTORS, CONTROL ROOM CONFIGURATION & OPERATING MODE (2) SHOULD CURRENT RULEMAKING BE EXPANDED TO INCLUDE NONLICENSED OPERATORS? (3) SHOULD CURRENT RULEMAKING BE EXPANDED TO INCLUDE "POSITION TITLES" IN ADDITION TO THE TYPE OF NRC LICENSE? (4) SHOULD CURRENT RULEMAKING PROHIBIT ROUTINE USE OF SHIFTS OF GREATER THAN 8 HOURS BUT LESS THAN 12 HOURS?
 COMMISSION ACTION: REVIEW
 NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
I.A.2.1(1)	1	COMPLETE		NO	08/80	08/26/81	NRR NRR	DAVE VERRELLI PAUL COLLINS	28434 27486	DL DHFS	ORAB OLB	* *

TITLE:..... IMMEDIATE UPGRADING OF OPERATOR AND SENIOR OPERATOR TRAINING AND QUALIFICATIONS (NRR)
 PURPOSE:..... INCREASE EXPERIENCE AND TRAINING OF OPERATOR AND SENIOR OPERATOR APPLICANTS.
 SCHEDULE:..... (ORIGINAL) SENIOR OPERATORS INCREASED QUALIFICATIONS - MAY 1, 1980. TRAINING PROGRAM IMPROVEMENTS - PROGRAMS SUBMITTED 08/80. (CURRENT) BOTH ITEMS COMPLETED.
 ACCOMPLISHMENTS:.. BOTH ITEMS COMPLETED.
 CURRENT STATUS:... BOTH ITEMS COMPLETED.
 ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.A.2.1(2)	1	COMPLETE		NO	08/80	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	042446 *
							NRR	PAUL COLLINS	27486	DHFS	OLB	
							ADM					
							IE					

TITLE:..... IMMEDIATE UPGRADING OF OPERATOR AND SENIOR OPERATOR TRAINING AND QUALIFICATIONS (NRR)
 PURPOSE:..... PROVIDE 3 MONTHS TRAINING ON SHIFT AS AN EXTRA MAN.
 SCHEDULE:..... (ORIGINAL) AUGUST 1, 1980 (CURRENT) SAME
 ACCOMPLISHMENTS:.. OPERATOR AND SENIOR OPERATOR APPLICANTS ARE RECEIVING THE TRAINING.
 CURRENT STATUS:... COMPLETE
 ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.A.2.1(3)	1	COMPLETE		NO	05/80	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	042446 *
							NRR	PAUL COLLINS	27486	DHFS	OLB	
							ADM					
							IE					

TITLE:..... IMMEDIATE UPGRADING OF OPERATOR AND SENIOR OPERATOR TRAINING AND QUALIFICATIONS (NRR)
 PURPOSE:..... REQUIRE CORPORATE MANAGEMENT RATHER THAN PLANT MANAGEMENT, TO CERTIFY TO COMPETENCY OF OPERATOR AND SENIOR APPLICANTS.
 SCHEDULE:..... (ORIGINAL) MAY 1, 1980 (CURRENT) SAME
 ACCOMPLISHMENTS:.. COMPLETE
 CURRENT STATUS:... COMPLETE
 ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.A.2.2	2	INACTIVE	YELLOW	NO	FY81	01/15/82	NRR	CHUCK OVERBEY	29623	DHFS	LQB	042626 *

TITLE:..... TRAINING AND QUALIFICATION REQUIREMENTS FOR OPERATIONS PERSONNEL (NRR)
 PURPOSE:..... DEVELOP GUIDANCE FOR QUALIFICATIONS AND TRAINING REQUIREMENTS FOR ALL OPERATIONS PERSONNEL, INCLUDING MAINTENANCE AND TECHNICAL PERSONNEL.
 SCHEDULE:..... (ORIGINAL) ISSUE REQUIREMENTS - 10/80.
 (CURRENT) THIS TASK IS BEING TRANSFERRED TO I.A.2.7 AND IS A PART OF THE LQB EFFORTS RELATED TO TRAINING IN THE PERSONNEL QUALIFICATIONS SECTION OF LQB.
 ACCOMPLISHMENTS:.. TECHNICAL ASSISTANCE PROGRAM STARTED 09/01/81 TO DEVELOP GUIDELINES AND CRITERIA TO BE UTILIZED IN REVIEW OF ENTIRE PROGRAMMATIC AREA.
 CURRENT STATUS:... SAME AS CURRENT SCHEDULE.
 ISSUES:.....
 NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.A.2.3	2	REQUIREMENT	GREEN	NO	FY82	01/15/82	NRR	JOHN ZWOLINSKI	28460	DHFS	LQB	042447 *
							NRR	BOB CAMPBELL	27735	DHFS	OLB	
TITLE:	ADMINISTRATION OF TRAINING PROGRAMS (NRR)											
PURPOSE:	DEVELOP CRITERIA AND PROCEDURES FOR AUDITING TRAINING PROGRAMS; REQUIRE INSTRUCTORS TO BE ACCREDITED.											
SCHEDULE:	(ORIGINAL) INITIATE PROCEDURE DEVELOPMENT IN FY81. INITIATE AUDITING IN FY82. (CURRENT) ON SCHEDULE.											
ACCOMPLISHMENTS:	AUDITING OF TRAINING PROGRAMS BEGINS IN FY82 AND IS TO BE CONDUCTED AS PART OF THE REQUALIFICATION EXAMINATION PROGRAM. THIS EFFORT WILL CONTINUE AS PART OF NRC'S LICENSING OF REACTOR OPERATORS AND SENIOR REACTOR OPERATORS.											
CURRENT STATUS:	NRR VERIFYING IN REGULARLY SCHEDULED OPERATOR EXAMS.											
ISSUES:	THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.A.2.4	3	INACTIVE	YELLOW	NO	FY83	08/21/81	NRR	JOHN ZWOLINSKI	28460	DHFS	LQB	042448 *
TITLE:	NRR PARTICIPATION IN INSPECTOR TRAINING (NRR).											
PURPOSE:	PROVIDE INSTRUCTION TO IE INSPECTORS REGARDING THE ROLE AND LICENSING OF REACTOR OPERATIONS STAFF.											
SCHEDULE:	(ORIGINAL) INITIATE PROGRAM IN FY82. (CURRENT) DELAY TO FY83.											
ACCOMPLISHMENTS:	NONE TO DATE.											
CURRENT STATUS:	NOT SCHEDULED UNTIL FY83.											
ISSUES:	RESOURCES ARE NOT INCLUDED IN FIN PLAN FOR FY 1982											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.A.2.5	1	ACTIVE	RED	NO	FY83	01/15/82	NRR	JOHN ZWOLINSKI	28460	DHFS	LQB	*
TITLE:	TRAINING AND QUALIFICATION OF OPERATING PERSONNEL - PLANT DRILLS (NRR)											
PURPOSE:	LICENSEES WILL DEVELOP AND CONDUCT IN-PLANT DRILLS.											
SCHEDULE:	(ORIGINAL) SHORT TERM REQUIREMENTS WERE TO BE ISSUED BY 1/81. (CURRENT) (1) IDENTIFY DRILLS TO BE CONDUCTED BOTH IN-PLANT AND ON SIMULATORS USING EOPs AND FEEDBACK FROM OPERATOR WORKSHOPS - 7/1/82. (2) DEVELOP GUIDELINES AND PILOT TEST - 9/1/82. (3) ISSUE FINAL GUIDELINES - 6/1/83.											
ACCOMPLISHMENTS:	NONE TO DATE.											
CURRENT STATUS:	SAFETY TECHNOLOGY PROGRAM WAS INITIATED 10/1/81 AND IS SCHEDULED FOR COMPLETION MID FY83.											
ISSUES:	RESOURCES INCLUDED IN FY82 FIN PLAN.											
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO. FLAG WILL CHANGE TO GREEN IF APPROVED.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.A.2.6(1)	1	ACTIVE	YELLOW	NO	02/82	11/20/81	RES NRR IE	ELLIS MERSCHOFF PAUL COLLINS SAM BRYAN	35942 27485 29644	DFD DHFS DPDA	HFB DLB DPB	*

TITLE:..... LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (RES)
 (REG GUIDE 1.8)
 PURPOSE:..... REVISE REG GUIDE 1.8 TO INCORPORATE SHORTER TERM REQUIREMENTS OF TRAINING AND
 QUALIFICATION OF REACTOR OPERATORS, SENIOR OPERATORS, SHIFT SUPERVISORS, AUXILIARY
 OPERATORS, TECHNICIANS, AND POSSIBLY OPERATING PERSONNEL.
 SCHEDULE:..... (ORIGINAL) ISSUE REG GUIDE 1.8 FOR PUBLIC COMMENT - 08/80, ISSUE AN EFFECTIVE REG
 GUIDE 02/82. (CURRENT) REG GUIDE 1.8 PUBLISHED FOR PUBLIC COMMENT 10/2/80, ISSUE
 AN EFFECTIVE REG GUIDE 02/82.
 ACCOMPLISHMENTS:.. DRAFT GUIDE REVISION ISSUED ENDORSING ANS 3.1 (10/02/80).
 CURRENT STATUS:... FURTHER WORK ON RG 1.8 IS PENDING RESOLUTION OF THE PROBLEMS ASSOCIATED
 WITH THE PROPOSED REVISION TO 10 CFR 55.
 ISSUES:..... THE COMMISSION AND STAFF HAVE BEEN UNABLE TO RESOLVE THE APPROPRIATE
 EDUCATION AND TRAINING REQUIREMENTS FOR LICENSED PERSONNEL. WORKSHOPS
 AND A PEER REVIEW PANEL HAVE BEEN ORGANIZED TO STUDY THE ISSUE FURTHER.
 NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.A.2.6(2)	1	COMPLETE		YES	09/81	01/15/82	RES NRR	ELLIS MERSCHOFF JULIUS PERSENSKY	35942 24747	DFD DHFS	HFB LQB	*

TITLE:..... LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (RES)
 (STAFF REVIEW OF NRR 80-117)
 PURPOSE:..... STAFF REVIEW OF NUREG/CR-1750 "REQUIREMENTS FOR OPERATOR LICENSING" AND MAKE
 RECOMMENDATIONS TO THE COMMISSION.
 SCHEDULE:..... (ORIGINAL) COMPLETE REVIEW - 09/80; SUBMIT PAPER TO COMMISSION 12/01/80;
 (CURRENT) COMPLETED REVIEW 04/81; SUBMITTED RECOMMENDATIONS TO COMMISSION 06/81.
 ACCOMPLISHMENTS:.. PRESENTED INITIAL RECOMMENDATIONS IN SECY 81-84 02/02/81; PRESENTED REVISED RECOMMENDATIONS
 AT COMMISSION MEETING 06/18/81.
 CURRENT STATUS:... CONTRACT COMPLETED 11/80. TMI ACTION PLAN ITEM I.A.2.6 (2) REQUIRES SD (NOW RES) TO MAKE
 RECOMMENDATIONS TO THE COMMISSION BASED ON A REVIEW OF NRR-80-117 (NUREG-1750) AND FACTOR
 DECISIONS INTO REGULATORY GUIDE OR REGULATION CHANGES. THESE RECOMMENDATIONS WERE
 INITIALLY SUBMITTED TO THE COMMISSION AS SECY 81-84 (2/2/81) AND AFTER A GREAT DEAL OF
 COORDINATION WITH DHFS/NRR, WERE PRESENTED TO THE COMMISSION ORALLY BY S. HANAUER ON JUNE
 18, 1981. AS A RESULT OF THIS ORAL PRESENTATION, THE COMMISSION DIRECTED THE FORMATION OF
 A PEER REVIEW PANEL TO PROVIDE THE COMMISSION WITH RECOMMENDATIONS ON REQUIREMENTS FOR
 OPERATOR LICENSING. COMMISSION DECISIONS MADE PURSUANT TO THESE RECOMMENDATIONS WILL BE
 FACTORED INTO REGULATORY GUIDE AND REGULATION CHANGES. THE REQUIREMENTS OF I.A.2.6. (2)
 FOR A STAFF REVIEW OF NRR 80-117 AND FOR SD (RES) TO PROVIDE RECOMMENDATIONS TO THE
 COMMISSION HAVE BEEN SATISFIED.
 ISSUES:.....
 COMMISSION ACTION: REVIEW OPERATOR LICENSING GUIDELINES AND ESTABLISH APPROPRIATE CRITERIA.
 NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.

CHAPTER	PR	STATUS	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.A.2.6(3)	1	ACTIVE	YELLOW	YES		06/82	01/15/82	RES HRR	ELLIS MERSCHOFF PAUL COLLINS	35942 27486	DFO DHFS	HFB OLB	*
TITLE:	LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (RES)												
PURPOSE:	(REVISE 10 CFR 55) REVISE 10 CFR 55 TO INCLUDE MANDATORY SIMULATOR TRAINING, MANDATORY EDUCATION REQUIREMENTS, OPERATING TESTS AT SIMULATORS, AND NRC ADMINISTRATION OF REQUALIFICATION EXAMS.												
SCHEDULE:	(ORIGINAL) ISSUE PROPOSED RULE FOR COMMENT 10/80; ISSUE EFFECTIVE RULE 09/81. (CURRENT) ISSUE PROPOSED RULE FOR COMMENT 04/82; ISSUE EFFECTIVE RULE 10/82.												
ACCOMPLISHMENTS:	STAFF HAS PREPARED SEVERAL ALTERNATIVES FOR CONSIDERATION BY COMMISSION.												
CURRENT STATUS:	AFTER SEVERAL ATTEMPTS TO ISSUE A PROPOSED RULE, COMMISSION DIRECTED HRR TO FORM PEER REVIEW PANEL AND HOLD WORKSHOPS TO REVIEW THIS ISSUE FURTHER. PEER PANEL MEETINGS WERE HELD NOV. 16-18, 1981, AND JAN. 12-13, 1982. PEER PANEL RECOMMENDATIONS ARE BEING FORMULATED. NEW TARGET DATE FOR A PROPOSED RULE IS 04/82.												
ISSUES:	SHOULD SRO'S AND SS'S BE REQUIRED TO POSSESS B.S. DEGREES?												
COMMISSION ACTION:	REVIEW OPERATOR LICENSING GUIDELINES AND ESTABLISH APPROPRIATE CRITERIA.												
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.A.2.6(4)	1	ACTIVE	YELLOW	NO		FY83	01/15/82	HRR	J. J. PERSENSKY	28349	DHFS	LQB	*
TITLE:	LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (NRR) (OPERATOR WORKSHOPS)												
PURPOSE:	(1) DEVELOP PAPER FOR COMMISSION REVIEW REGARDING WORKSHOPS FOR LICENSED PERSONNEL. (2) CONDUCT 4 WORKSHOPS.												
SCHEDULE:	(ORIGINAL) PROVIDE PAPER FOR COMMISSION ACTION 01/81. (CURRENT) DRAFT PAPER ON WORKSHOP CONCEPT AND ALTERNATIVES IS TO BE COMPLETED BY 12/31/82.												
ACCOMPLISHMENTS:	CONTRACT ASSISTANCE IN PLANNING WORKSHOPS STARTED 10/1/81. RECEIVED FAVORABLE COMMENTS FROM INDUSTRY ON WORKSHOPS.												
CURRENT STATUS:													
ISSUES:	RESOURCES INCLUDED IN FY82 FIN PLAN.												
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO. FLAG WILL CHANGE TO GREEN IF APPROVED.												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.A.2.6(5)	1	ACTIVE	GREEN	NO		02/82	12/18/81	IE	JAMES PARTLOW	29650	DRP		*
TITLE:	LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (IE)												
PURPOSE:	IE WILL DEVELOP INSPECTION PROCEDURES FOR TRAINING PROGRAMS.												
SCHEDULE:	(ORIGINAL) FEBRUARY 1982 (CURRENT) SAME												
ACCOMPLISHMENTS:													
CURRENT STATUS:	ACT. DNS ARE COVERED BY ROUTINE PROGRAM. IE HAS RECOMMENDED DELETING THIS ITEM FROM THE ACTION PLAN (MEMO OF 11/27/81).												
ISSUES:													
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.A.2.6(6)	1	INACTIVE	RED	NO	FY83	01/15/82	NRR	CHUCK OVERBEY	29623	DHFS	LQB	*
TITLE:	LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (NRR) (NUCLEAR POWER FUNDAMENTALS)											
PURPOSE:	ESTABLISH REQUIREMENTS FOR BASIC COURSES IN NUCLEAR POWER FUNDAMENTALS.											
SCHEDULE:	(ORIGINAL) CONTRACT OUTSIDE STUDY INITIATE STUDY 05/80. FINAL REPORT 11/30/80. PREPARE COMMISSION PAPER 06/80. (CURRENT) TRANSFERRED TO I.A.2.7.											
ACCOMPLISHMENTS:	REPORT PUBLISHED (NUMEG/CR-1750)											
CURRENT STATUS:	TRANSFER TO BE PART OF I.A.2.7.											
ISSUES:	REPORT LAID GROUNDWORK BUT FURTHER ASSISTANCE IS NEEDED IN DETERMINING COURSE CRITERIA. RESOURCES INCLUDED IN FY82 FIN PLAN.											
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.A.2.7	2	ACTIVE	RED	NO	FY83	01/15/82	NRR	CHUCK OVERBEY	29623	DHFS	LQB	*
TITLE:	ACCREDITATION OF TRAINING INSTITUTIONS (NRR)											
PURPOSE:	THE INTENT IS TO REQUIRE LICENSEES TO USE ACCREDITED INSTITUTIONS ONCE SUCH A PROGRAM IS ESTABLISHED.											
SCHEDULE:	(ORIGINAL) NRR WILL COMPLETE STUDY BY 06/80, AND COMPLETE INFORMATION PAPER BY 08/80. RES WILL COMPLETE A COMMISSION PAPER BY 01/82. (CURRENT) SCOPE ENLARGED TO INCLUDE I.A.2.2, I.A.2.3, I.A.2.6 (6), AND II.B.4. LQB WILL REVIEW ALL EXISTING DOCUMENTATION, NRC, INPO, ETC., TO DETERMINE IF SUFFICIENT INFORMATION EXISTS TO DEVELOP AN ACCEPTABLE ACCREDITATION PROGRAM BY 10/82. INCLUDES DEVELOPMENT OF CRITERIA, GUIDELINES FOR EVALUATION OF CURRICULUM, INSTRUCTORS, TRAINING FACILITIES AND EQUIPMENT. FUTURE EFFORTS WILL BE DETERMINED BASED ON THIS REVIEW.											
ACCOMPLISHMENTS:	NONE TO DATE.											
CURRENT STATUS:	CONTRACT UNDER WAY WITH ORNL.											
ISSUES:	RESOURCES INCLUDED IN FY82 FIN PLAN.											
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO. PRIORITY WILL CHANGE TO 1 AND FLAG WILL CHANGE TO GREEN IF APPROVED.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.A.3.1	2	COMPLETE	NO		01/81	01/15/82	NRR	DAVE VERRELLI	28434	DL	ORAB	*
TITLE:	REVISE SCOPE AND CRITERIA FOR LICENSING EXAMS (NRR)											
PURPOSE:	INCREASE THE PASSING GRADE, ADD NEW CATEGORIES TO THE EXAMINATIONS TO ADDRESS HEAT TRANSFER THERMODYNAMICS AND FLUID FLOW.											
SCHEDULE:	(ORIGINAL) IMPLEMENT 05/80. (CURRENT) BEING REVISED.											
ACCOMPLISHMENTS:	ITEM COMPLETE											
CURRENT STATUS:	NEW SCOPE AND CRITERIA IN EFFECT; THIS ITEM IS COMPLETE											
ISSUES:	THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO. FLAG WILL CHANGE TO RED, PRIORITY WILL CHANGE TO 1, AND COMP DATE WILL CHANGE TO 8/84 IF APPROVED.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.A.3.2	3	ACTIVE	GREEN	NO	10/82	01/15/82	NRR	DON BECKHAM	24868	DHFS	OLB	*
TITLE:	OPERATOR LICENSING PROGRAM CHANGES (NRR)											
PURPOSE:	DEVELOP AND IMPLEMENT A PLAN TO RELOCATE EXAMINERS IN THE REGIONS OR AT TRAINING CENTERS. STUDY STAFFING. DEVELOP PLAN TO REPORT OPERATOR ERRORS.											
SCHEDULE:	(ORIGINAL) REGIONALIZE ON PERSONNEL AVAILABILITY BASES. INITIATE OTHER WORK FY 82. (CURRENT) REGIONALIZATION BEGUN IN REGION III. STUDY OF OTHER PROGRAM IMPROVEMENTS CONTRACTED. REPORT DUE 12/80. OTHER WORK INITIATED FY82. IMPLEMENTATION COMPLETE - 10/82.											
ACCOMPLISHMENTS:	DRAFT REGIONALIZATION PROGRAM - 07/80. CONTRACT WRITTEN TO STUDY STAFFING AND PLAN FOR REVIEW OF OPERATOR ERRORS - 08/80. CONTRACTOR REPORT (NUREG/CR-1750) - 01/81.											
CURRENT STATUS:	PROGRAM TO REGIONALIZE IN REGION III APPROVED RECRUITING FOR POSITIONS IN PROGRESS.											
ISSUES:	NONE											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.A.3.3	-	ACTIVE	GREEN	YES	FY81	11/20/81	RES	ELLIS MERSCHOFF	35942	DFD	HFB	*
TITLE:	ESTABLISH REQUIREMENTS FOR OPERATOR FITNESS (RES)											
PURPOSE:	DEVELOP REQUIREMENTS FOR OPERATOR FITNESS (STRESS, MALEVOLENCE, ALCOHOL AND DRUG ABUSE) PRIOR TO ASSUMING LICENSED DUTIES.											
SCHEDULE:	(ORIGINAL) DECISION GROUP D ITEM (CURRENT) SAME											
ACCOMPLISHMENTS:	DATA BASE ON ALCOHOL ABUSE GATHERED FOR FORMULATING PRELIMINARY RULE.											
CURRENT STATUS:	DRAFT RULE REVIEWED BY NRR, IE, ADM. CURRENTLY BEING REVISED TO REFLECT COMMENTS FROM REVIEW.											
ISSUES:	NONE											
COMMISSION ACTION:	REVIEW											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.A.3.4	2	ACTIVE	GREEN	NO	FY83	01/15/82	NRR	JULIUS PERSENSKY	28349	DHFS	LQB	042452 *
TITLE:	LICENSING OF ADDITIONAL OPERATIONS PERSONNEL (NRR)											
PURPOSE:	CONDUCT A STUDY TO DETERMINE WHICH ADDITIONAL PERSONNEL SHOULD BE LICENSED.											
SCHEDULE:	(ORIGINAL) ISSUE CONTRACT FOR STUDY 05/80. FINAL REPORT DUE 10/80. (CURRENT) CONTRACT ISSUED 05/80. FINAL REPORT 12/80. BEGIN STUDY AS DIRECTED BY SECTION 307(b) PUBLIC LAW 96-295 BY 07/81. REPORT ON RESULTS OF 307(b) EFFORT BY 12/81. FEASIBILITY STUDY FOR TARGETED PERSONNEL TO BE CONTRACTED IN FY83. REPORT ON RESULTS OF THE FEASIBILITY STUDY BY FY84. INITIATE LICENSING EFFORT, IF NEEDED, IN FY84 AND BEYOND.											
ACCOMPLISHMENTS:	NUREG/CR-1750 ISSUED 01/81. ORAL REPORT COMPLETED AND WILL BE ISSUED 2/82.											
CURRENT STATUS:	COMMISSION PAPER BEING PREPARED - DUE 2/82.											
ISSUES:	RESOURCES INCLUDED IN FY82 FIN PLAN.											
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO. PRIORITY WILL CHANGE TO 1 IF APPROVED.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.A.3.5	-	INACTIVE	GREEN	NO	FY81	01/15/82	NRR	JOEL KRAMER	28446	DHFS	DIR	*
TITLE:..... LICENSING OF PERSONNEL - STATEMENT OF UNDERSTANDING WITH INPO AND DOE (NRR)												
PURPOSE:..... THE PURPOSE IS TO DEVELOP A STATEMENT OF UNDERSTANDING BETWEEN THE INSTITUTE FOR NUCLEAR POWER OPERATIONS, THE DEPARTMENT OF ENERGY, AND THE NRC CONCERNING THE EXTENT TO WHICH NRC SHOULD REVIEW OR REPLY UPON THE TRAINING, CERTIFICATION, AND OTHER ACTIVITIES OF INPO.												
SCHEDULE:..... (ORIGINAL) SCHEDULE AND RESOURCES TO BE DEVELOPED IN CONNECTION WITH ROUTINE NRC BUDGETARY PROCESSES.												
(CURRENT) NOT DEVELOPED YET.												
ACCOMPLISHMENTS:..												
CURRENT STATUS:... EFFORTS TO DEVELOP SUCH AN UNDERSTANDING WILL BEGIN ONCE INPO'S FUNCTIONS AND CAPABILITIES BECOME BETTER IDENTIFIED. IN THE MEANTIME, THE NRC STAFF IS REVIEWING DOCUMENTS PREPARED BY INPO TO DETERMINE THEIR USEFULNESS TO THE REGULATORY PROCESS.												
ISSUES:..... NONE IDENTIFIED AT THIS TIME.												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.A.4.1(1)	1	COMPLETE		NO	FY82	01/15/82	NRR	JOHN ZWOLINSKI	28460	DHFS	LQB	042453 *
TITLE:..... TRAINING SIMULATOR IMPROVEMENTS - INITIAL (NRR)												
(SHORT-TERM STUDY)												
PURPOSE:..... NRR AND RES WILL CONDUCT SHORT TERM STUDY TO IDENTIFY WEAKNESSES OF TRAINING SIMULATORS.												
SCHEDULE:..... (ORIGINAL) SHORT TERM STUDY COMPLETED JULY 1980. NRR ISSUE REQUIREMENTS DECEMBER 1980.												
(CURRENT) SHORT TERM STUDY COMPLETED 07/80. NRR ISSUE REQUIREMENTS 12/31/82.												
ACCOMPLISHMENTS:.. REPORT NUREG-CR-1482 ISSUED 06/80.												
CURRENT STATUS:... REPORT TO BE SENT TO ALL LICENSEES AND NOTICE PUBLISHED IN FEDERAL REGISTER REQUESTING PUBLIC COMMENT REQUIREMENTS TO BE ISSUED. PUBLIC COMMENT PERIOD ENDED 04/30/81.												
ISSUES:..... TWO YEAR DELAY IN ISSUING REQUIREMENTS. PROGRAMMATIC VIEWS OF ADM RICKOVER WERE NOT INCLUDED IN THE STUDY. THESE VIEWS ARE BEING ADDRESSED IN ANOTHER STUDY BEING PERFORMED BY RSR. (TASK I.A.4.3.) WHICH BEGAN 9/80. DRAFT REPORT COMPLETE 08/18/81. FINAL REPORT COMPLETED 09/30/81. REQUIREMENT DEVELOPMENT RESOURCES ARE LIMITED. PROGRAM IS EVOLVING AS PART OF ENTIRE EXAMINATION PROCESS FOR LICENSING REACTOR OPERATORS AND IS NOW CONSIDERED A PART OF I.A.4.2, "LONG TERM SIMULATOR UPGRADE".												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.A.4.1(2)	1	INACTIVE	YELLOW	NO	FY82	01/15/82	NRR RES	JOHN ZWOLINSKI ELLIS MERSCHOFF	28460 35942	DHFS DFO	LQB HFBR	042453 *

TITLE:..... TRAINING SIMULATOR IMPROVEMENTS - INITIAL (NRR)
 PURPOSE:..... NRR WILL REQUIRE WEAKNESSES OF TRAINING SIMULATORS BE CORRECTED.
 SCHEDULE:..... BEGIN EFFORTS IN FY83.
 ACCOMPLISHMENTS:..
 CURRENT STATUS:... INCORPORATED INTO I.A.4.2.
 ISSUES:.....

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.A.4.2(1)	2	ACTIVE	YELLOW	NO	10/81	01/15/82	RES NRR	ELLIS MERSCHOFF JULIUS PERSENSKY	35942 24747	DF0 DHES	LQB LQB	042454 *

TITLE:..... TRAINING SIMULATOR IMPROVEMENTS - LONG-TERM (RES)
 (SIMULATOR RESEARCH)
 PURPOSE:..... PERFORM RESEARCH STUDIES TO IMPROVE THE USE OF SIMULATORS.
 SCHEDULE:..... (ORIGINAL) ORNL COMPLETE RESEARCH CONTRACT 04/81;
 (CURRENT) ORNL COMPLETE RESEARCH CONTRACT 10/81;
 ACCOMPLISHMENTS:.. RESULTS OF ORNL CONTRACT REVIEWED 08/18/81.
 CURRENT STATUS:... WORK COMPLETE. NUREG/CR-2353, VOL. I, "SPECIFICATION AND VERIFICATION OF NUCLEAR POWER
 PLANT TRAINING SIMULATOR RESPONSE CHARACTERISTICS" WAS ISSUED IN DECEMBER 1981. THE FINAL
 PORTION OF THIS WORK, NUREG/CR-2353, VOL. II, WILL BE ISSUED IN FEBRUARY 1982.
 ISSUES:..... NONE

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.A.4.2(2)	2	COMPLETE		NO	04/81	11/20/81	RES NRR	ELLIS MERSCHOFF PAUL COLLINS	35942 27486	DF0 DHFS	HFB OLB	042454 *

TITLE:..... TRAINING SIMULATOR IMPROVEMENTS - LONG-TERM (RES)
 (IMPROVE ANS STANDARD)
 PURPOSE:..... UPGRADE ANS 3.5. ISSUE AN EFFECTIVE REG. GUIDE.
 SCHEDULE:..... COMPLETE ANS 3.5 UPGRADE BY 12/80
 ACCOMPLISHMENTS:.. ANS/ANS 3.5 "NUCLEAR POWER PLANT SIMULATORS FOR USE IN
 OPERATOR TRAINING" ISSUED 4/81.
 CURRENT STATUS:... COMPLETE
 ISSUES:..... NONE

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
I.A.4.2(3)	2	COMPLETE	YES		04/81	11/20/81	RES NRR	ELLIS MERSCHOFF JULIUS PERSENSKY	35942 24747	DFO DHFS	HFB LQB	*
TITLE:.....	LONG-TERM TRAINING SIMULATOR UPGRADE (RES) (ISSUE REG GUIDE 1.149)											
PURPOSE:.....	DEVELOP REGULATORY GUIDE ON TRAINING SIMULATORS. DEVELOP PROCEDURES AND CRITERIA FOR TESTING SIMULATORS AGAINST A REGULATORY GUIDE BASED ON ANS 3.5 "NUCLEAR POWER PLANT SIMULATORS FOR USE IN OPERATOR TRAINING".											
SCHEDULE:.....	(ORIGINAL) ORNL STUDY OF PROCEDURES FOR VALIDATION OF SIMULATOR FIDELITY STARTED 09/80; INTERIM REPORT DUE 01/81; PUBLISHED REPORT DISTRIBUTED 06/81. (CURRENT) STUDY REVIEWED WITH SD (RES) AND NRR 09/80; REVISE AND ISSUE REGULATORY GUIDE 04/81.											
ACCOMPLISHMENTS:..	REG GUIDE 1.149 "NUCLEAR POWER PLANT SIMULATORS FOR USE IN OPERATOR TRAINING" ISSUED 04/81.											
CURRENT STATUS:...	COMPLETE											
ISSUES:.....												
COMMISSION ACTION:	REVIEW											

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
I.A.4.2(4)	2	INACTIVE	YELLOW	NO	FY82	01/15/82	NRR RES	DON BECKHAM ELLIS MERSCHOFF	24868 39542	DHFS DFO	OLB HFBR	042454 *
TITLE:.....	TRAINING SIMULATOR IMPROVEMENTS - LONG-TERM (NRR) (REVIEW SIMULATORS FOR CONFORMANCE)											
PURPOSE:.....	REVIEW SIMULATORS FOR CONFORMANCE TO CRITERIA.											
SCHEDULE:.....	INITIATE IN FY82.											
ACCOMPLISHMENTS:..	CRITERIA ESTABLISHED IN REG. GUIDE 1.149											
CURRENT STATUS:...	INITIATE IN FY82.											
ISSUES:.....	NONE											
NOTE.....	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO. PRIORITY WILL CHANGE TO 1, FLAG WILL CHANGE TO GREEN, AND COMP DATE WILL CHANGE TO 8/84 IF APPROVED.											

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
I.A.4.3	-	ACTIVE	GREEN	YES	FY81	11/20/81	RES	STANISLAV FABIC	74275	DRSR	HFB	*
TITLE:.....			FEASIBILITY STUDY FOR PROCUREMENT OF TRAINING SIMULATOR (RES)									
PURPOSE:.....			STUDY THE FEASIBILITY OF PROCURING ONE OR MORE TRAINING SIMULATORS TO BE LOCATED IN THE NRC HEADQUARTERS.									
SCHEDULE:.....			(ORIGINAL) NONE (DECISION GROUP D ITEM) (CURRENT) SAME									
ACCOMPLISHMENTS:..			NRR HAS DEVELOPED A RESEARCH REQUEST WHICH IS THE BASIS FOR RES' FURTHER PLANNING.									
CURRENT STATUS:...												
ISSUES:.....												
COMMISSION ACTION:			REVIEW									

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
I.A.4.4	-	INACTIVE	GREEN	YES	FY81	11/20/81	RES	STANISLAV FABIC	74275	DAE	AMB	*
TITLE:.....			FEASIBILITY STUDY TO EVALUATE POTENTIAL VALUE OF NRC ENGINEERING COMPUTER (RES)									
PURPOSE:.....			TO CONDUCT A TECHNICAL REVIEW OF THE EXISTING PWR AND BWR TRAINING SIMULATORS.									
SCHEDULE:.....			(ORIGINAL) STUDY PROCEDURES FOR VALIDATING SIMULATOR FIDELITY 09/80; INTERIM REPORT DUE 01/81; PUBLISHED REPORT DISTRIBUTED 06/81. (CURRENT) STUDY REVIEWED WITH RES AND NRR 09/80.									
ACCOMPLISHMENTS:..			INTERNAL STUDY COMPLETED.									
CURRENT STATUS:...			REPORT ON REVIEW OF PWR SIMULATORS WAS COMPLETED AND ISSUED BY BNL. DRAFT REPORT ON BWR SIMULATORS IS COMPLETED (AT BNL) AND WAS RECENTLY REVIEWED BY RES STAFF. FINAL REPORT WILL BE ISSUED SOON.									
ISSUES:.....												
COMMISSION ACTION:			REVIEW									

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
I.B.1.1(1)	1	COMPLETE	YES		FY81	09/08/81	NRR IE	LAWRENCE CROCKER SAM BRYAN	29437 29644	DHFS DPDA	LQB DPB	042059 *
TITLE:.....	MANAGEMENT FOR OPERATIONS - LONG-TERM IMPROVEMENTS (NRR) (DRAFT CRITERIA)											
PURPOSE:.....	DEVELOP DRAFT GUIDELINES FOR MANAGEMENT AND TECHNICAL RESOURCES TO OPERATE NUCLEAR POWER PLANTS.											
SCHEDULE:.....	(ORIGINAL) OBTAIN PUBLIC COMMENTS ON DRAFT GUIDELINES BY NOVEMBER 1980. (CURRENT) SAME											
ACCOMPLISHMENTS:..	CONTRACT WITH TEKNEKRON COMPLETED (FINAL REPORT DATED MAY 1980) NUREG - 0731, "GUIDELINES FOR UTILITY MANAGEMENT STRUCTURE AND TECHNICAL RESOURCES," ISSUED FOR INTERIM USE AND PUBLIC COMMENT 09/80.											
CURRENT STATUS:...	DRAFT GUIDELINES (NUREG-0731) BEING SUBJECTIVELY USED IN THE EVALUATION OF OPERATING LICENSE APPLICATIONS. COMMENT PERIOD ON NUREG - 0731 EXTENDED AT REQUEST OF INDUSTRY TO MID DECEMBER REVISION TO REG. GUIDE 1.8 ISSUED FOR COMMENT SEPTEMBER 1980. REVISION TO REG GUIDE 1.33 ISSUED FOR COMMENT NOVEMBER 1980. COMMENTS NOW COMPLETE.											
ISSUES:.....	NONE											
COMMISSION ACTION:	REVIEW PROPOSED REQUIREMENTS.											

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
I.B.1.1(2)	1	ACTIVE	YELLOW	YES	FY82	01/15/82	NRR	JOHN ZWOLINSKI	28460	DHFS	LQB	042059 *
TITLE:.....	MANAGEMENT FOR OPERATIONS - LONG-TERM IMPROVEMENTS (NRR) (COMMISSION PAPER)											
PURPOSE:.....	NRR WILL DEVELOP CRITERIA FOR ONSITE AND OFFSITE ORGANIZATIONS THAT WILL ASSURE THE SAFE OPERATION OF THE PLANT DURING NORMAL AND ABNORMAL CONDITIONS AND THE CAPABILITY NECESSARY TO RESPOND TO ACCIDENT SITUATIONS.											
SCHEDULE:.....	(ORIGINAL) ISSUE COMMISSION PAPER BY 01/81. (CURRENT) LATE RECEIPT OF COMMENTS WILL EXTEND COMPLETION OF COMMISSION PAPER TO 07/81. OTHER WORK DELAYS PAPER TO 12/81. NUREG-0731 BEING TOTALLY REDONE BY EXPERTS IN FIELD OF MANAGEMENT ASSESSMENT AND ORGANIZATIONAL EFFECTIVENESS. DRAFT REPORT IS SCHEDULED FOR 6/82. FINAL REPORT AND RULEMAKING WILL EXTEND INTO FY83.											
ACCOMPLISHMENTS:..	COMMENTS ON NUREG-0731 RECEIVED.											
CURRENT STATUS:...	COMMENTS UNDER CONSIDERATION											
ISSUES:.....	PRESCRIPTIVE NATURE OF GUIDELINES. IT MAY BE PREFERABLE TO RE-CAST AS A GENERAL STATEMENT OF MANAGEMENT PHILOSOPHY.											
COMMISSION ACTION:	REVIEW PROPOSED GUIDELINES.											
NOTE.....	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO. FLAG WILL CHANGE TO GREEN IF APPROVED.											

CHAPTER...	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
I.B.1.1(3)	1	INACTIVE	YELLOW	YES	FY82	01/15/82	NRR	JOHN ZWOLINSKI	28460	DHFS	LQB	042059 *
TITLE:..... MANAGEMENT FOR OPERATIONS - LONG-TERM IMPROVEMENTS (NRR)												
PURPOSE:..... ISSUE REQUIREMENTS TO LICENSEES FOR UPGRADING OF MANAGEMENT AND TECHNICAL RESOURCES OF CURRENTLY OPERATING PLANTS AS WELL AS THOSE FACILITIES UNDER CONSTRUCTION.												
SCHEDULE:..... (ORIGINAL) ISSUE REQUIREMENTS BY 03/81. (CURRENT) INCORPORATED INTO I.B.1.1 (2).												
ACCOMPLISHMENTS:.. NONE												
CURRENT STATUS:... INCORPORATED INTO I.B.1.1 (2).												
ISSUES:.....												
COMMISSION ACTION: REVIEW												

CHAPTER...	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
I.B.1.1(4)	1	INACTIVE	YELLOW	NO	FY82	01/15/82	NRR	JOHN ZWOLINSKI	28460	DHFS	LQB	042059 *
TITLE:..... MANAGEMENT FOR OPERATIONS - LONG-TERM IMPROVEMENTS (NRR)												
PURPOSE:..... REVIEW RESPONSES BY LICENSEES OF OPERATING PLANTS AND HOLDERS OF CONSTRUCTION PERMITS TO DETERMINE ACCEPTABILITY.												
SCHEDULE:..... (ORIGINAL) REVIEW RESPONSES BY JULY 1981. (CURRENT) INCORPORATED INTO I.B.1.1 (2).												
ACCOMPLISHMENTS:.. NONE												
CURRENT STATUS:... INCORPORATED INTO I.B.1.1 (2).												
ISSUES:.....												

CHAPTER...	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
I.B.1.1(5)	1	INACTIVE	YELLOW	NO	06/82	12/18/81	IE	JAMES PARTLOW	29650	DRP		042059 *
TITLE:..... MANAGEMENT FOR OPERATIONS - LONG-TERM IMPROVEMENTS (IE)												
PURPOSE:..... IE WILL REVIEW LICENSEE IMPLEMENTATION OF THE UPGRADING ACTIVITIES.												
SCHEDULE:..... (ORIGINAL) IE WILL INSPECT LICENSEE IMPLEMENTATION FROM 10/81 TO 06/82 (CURRENT) IE WILL INSPECT FOLLOWING NRR REVIEW OF RESPONSE IN ITEM I.B.1 (4).												
ACCOMPLISHMENTS:..												
CURRENT STATUS:... ACTIONS ARE COVERED BY ROUTINE PROGRAM. IE HAS RECOMMENDED DELETING THIS ITEM FROM THE ACTION PLAN (MEMO OF 11/27/81).												
ISSUES:.....												
NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS	#
I.B.1.1(6)	1	COMPLETE		NO	11/80	11/20/81	RES	TOM SCARBROUGH	35942	DFD	HFB		*
							HRR	FRED ALLENSPACH	29489	DHFS	LQB		
							IE	SAM BRYAN	29644	DPDA	DPB		

TITLE:..... MANAGEMENT FOR OPERATIONS - LONG-TERM IMPROVEMENTS (RES)
PURPOSE:..... RES WILL PREPARE PROPOSED REVISIONS TO REG. GUIDES 1.33 AND 1.8
SCHEDULE:..... (ORIGINAL) RES WILL ISSUE FOR COMMENT THE REVISED REG. GUIDES BY 05/81. (CURRENT) SAME
ACCOMPLISHMENTS:.. RG 1.33 ISSUED FOR COMMENT 11/80. SEE ITEM I.A.2.6(1) FOR R.G. 1.8 STATUS
CURRENT STATUS:... COMPLETE
ISSUES:..... NONE

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS	#
I.B.1.1(7)	1	ACTIVE	GREEN	NO	FY82	01/15/82	RES	TOM SCARBROUGH	35942	DFD	HFB		*
							IE	SAM BRYAN	29644	DPDA	DPB		

TITLE:..... MANAGEMENT FOR OPERATIONS - LONG-TERM IMPROVEMENTS (RES)
PURPOSE:..... ISSUE REVISED REG GUIDES 1.33 AND 1.8
SCHEDULE:..... (ORIGINAL) RES WILL ISSUE REVISED REG GUIDES 1.33 AND 1.8 BY 02/82.
(CURRENT) SAME
ACCOMPLISHMENTS:.. R.G. 1.33 AND 1.8 ISSUED FOR COMMENT
CURRENT STATUS:... REG GUIDE 1.33 INCORPORATING COMMENTS SUBMITTED FOR NRC STAFF REVIEW ON 4/15/81.
R.G. 1.33 IN FINAL EDITING. STATUS OF R.G. 1.8 IS MORE COMPLETELY DISCUSSED IN ITEM
I.A.2.6(1).
ISSUES:..... NONE

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.B.1.2(1)	1	COMPLETE		NO	07/80	12/18/81	IE	JAMES SNIEZEK	28098			042060 *
							NRR	DOMENIC VASSALLO	27976	DHFS	LQB	
TITLE:	MANAGEMENT FOR OPERATIONS - EVALUATION FOR NTOL APPLICANTS (IE)											
PURPOSE:	THE NRC WILL EVALUATE ORGANIZATION AND MANAGEMENT CAPABILITIES OF NTOL APPLICANTS PRECEDING LICENSE ISSUANCE. NRR WILL PROVIDE DRAFT CRITERIA. IE WILL MANAGE AN INTEROFFICE REVIEW TEAM. THE FINDINGS OF THE TEAM WILL BE AN INPUT INTO THE SER FOR THE NTOL FACILITY.											
SCHEDULE:	(ORIGINAL) NRR PROVIDED DRAFT CRITERIA - 7/80 (CURRENT) SAME											
ACCOMPLISHMENTS:	FIRST 6 NTOL'S (SEQUOYAH, NORTH ANNA 2, SALEM 2, DIABLO, MCGUIRE AND FARLEY) EVALUATED BETWEEN 01/80 AND 07/80. ZION, INDIAN POINT, AND TMI-1 ALSO EVALUATED.											
CURRENT STATUS:	COMPLETE. NTOL FACILITIES HAVE BEEN EVALUATED. NRR WILL MANAGE SIMILAR REVIEWS FOR OTHER OPERATING LICENSE APPLICANTS AS PART OF ITS OVERALL REVIEW RESPONSIBILITY. REFERENCE MEMO OF 11/7/80 FROM E. CASE AND R. DEYOUNG TO E.K. CORNELL. COMPLETION REPORTED TO EDO (MEMO OF 12/19/80).											
ISSUES:	NONE											
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.B.1.2(2)	1	REQUIREMENT	GREEN	NO	FY81	05/13/81	NRR	DAVE VERRELLI	28434	DL	ORAB	042060 *
							NRR	LAWRENCE CROCKER	28397	DFD	HFBR	
							IE	SAM BRYAN	29644	DPDA	PDB	
TITLE:	MANAGEMENT FOR OPERATIONS - EVALUATION FOR NTOL APPLICANTS (NRR)											
PURPOSE:	PREPARE SER INPUTS BASED UPON INTEROFFICE TEAM REVIEW OF NTOL FACILITIES.											
SCHEDULE:	(ORIGINAL) CONSISTENT WITH LICENSING SCHEDULE. (CURRENT) SAME											
ACCOMPLISHMENTS:	SER INPUT PREPARED FOR SEQUOYAH, NORTH ANNA 2, SALEM 2, MCGUIRE, FARLEY 2, LA SALLE, TMI-1, DIABLO CANYON, SAN ONOFRE, SUMMER. INSPECTION REPORTS ISSUED FOR ZION AND INDIAN POINT.											
CURRENT STATUS:	REVIEWING PER OL LICENSING SCHEDULE.											
ISSUES:	THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.B.1.3	2	INACTIVE	GREEN	NO	FY81	05/06/81	RES ADM					
TITLE:	MANAGEMENT FOR OPERATIONS - LOSS OF SAFETY FUNCTION (RES)											
PURPOSE:	REQUIRE LICENSEES TO IMMEDIATELY PLACE PLANT IN SAFEST SHUTDOWN COOLING FOLLOWING A LOSS OF SAFETY FUNCTION DUE TO PERSONNEL ERROR.											
SCHEDULE:	(ORIGINAL) PAPER FORWARDED TO COMMISSION AS ATTACHMENT FOR EDO MEMO OF 03/18/80. (CURRENT) TERMINATED											
ACCOMPLISHMENTS:												
CURRENT STATUS:	THIS ITEM HAS BEEN TERMINATED IN FAVOR OF THE ENFORCEMENT POLICY ITEM. (IV.A.2)											
ISSUES:	IE ENFORCEMENT POLICY HAS ENCOMPASSED THIS ITEM.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.B.2.1	-	COMPLETE		NO	FY81	12/18/81	IE	SAMUEL BRYAN	29644	DPDA		
TITLE:	REVISION OF IE INSPECTION PROGRAM (IE)											
PURPOSE:	THE HRC WILL REVISE THE INSPECTION PROGRAM FOR CONSTRUCTION TO PROVIDE (1) MORE DIRECT OBSERVATION AND INDEPENDENT VERIFICATION OF LICENSEE ACTIVITIES, AND REDUCTION OF INSPECTION DOCUMENTATION, (2) INCREASE REACTIVE EFFORTS, (3) INTENSIFY STARTUP EFFORTS AND (4) CONTINUE PAT AND OTHER INSPECTIONS.											
SCHEDULE:	(ORIGINAL) DECISION GROUP D. (CURRENT) SAME											
ACCOMPLISHMENTS:	(1) PROCEDURES ISSUED AND IMPLEMENTED ON MORE DIRECT OBSERVATION. DOCUMENTATION STREAMLINED BY STANDARD REPORT FORMATS AND INSPECTOR TRAINING. (2) PROCEDURES ISSUED AND IMPLEMENTED EMPHASIZING REACTIVE EFFORTS. HEADQUARTERS ADDED AN EVENTS EVALUATION SECTION. NEW ENFORCEMENT CRITERIA ISSUED. ENFORCEMENT EMPHASIZED IN IE REORGANIZATION. (3) PROCEDURES ISSUED AND IMPLEMENTED INTENSIFYING STARTUP INSPECTION EFFORTS. (4) PAT AND OTHER INSPECTIONS CONTINUING.											
CURRENT STATUS:	COMPLETE. PROGRAM CHANGES HAVE BEEN ISSUED AND ARE BEING IMPLEMENTED. REPORTED TO EDO (MEMO OF 12/19/80).											
ISSUES:												

CHAPTER...	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.B.2.2	1	COMPLETE	NO		10/80	12/18/81	IE	GERRY KLINGLER	28019	IE	DRRRI	*
TITLE:	RESIDENT INSPECTORS AT OPERATING REACTORS (IE)											
PURPOSE:	IE WILL IMPLEMENT THE APPROVED PROGRAM BY PROVIDING A MINIMUM OF TWO RESIDENT INSPECTORS AT EACH SITE (WHERE THERE ARE ONE OR TWO REACTORS) AND AN ADDITIONAL RESIDENT INSPECTOR FOR EACH ADDITIONAL REACTOR.											
SCHEDULE:	(ORIGINAL) (1) PLACE A SENIOR RESIDENT AT EACH NTOL SITE BY 6/80 AND BEFORE FUEL LOAD, (2) COMPLETE SELECTION OF INSPECTORS TO MAN THE APPROVED PROGRAM BY OCTOBER 1980. (CURRENT) SAME											
ACCOMPLISHMENTS:	COMPLETE - MANNING IN LATE 1980 WAS AT 94% OF TARGET LEVEL, ABOUT THE LEVEL ONE CAN EXPECT TO MAINTAIN BECAUSE OF VACANCIES CREATED BY LOSSES AND THE TIME LAG INVOLVED IN FILLING VACANCIES. REPORTED TO EDO (MEMO OF 12/19/80).											
CURRENT STATUS:												
ISSUES:												

CHAPTER...	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.B.2.3	-	COMPLETE	NO		FY81	12/18/81	IE	NORMAN MOSELEY	29696	IE	DPDA	*
TITLE:	INSPECTIONS AT OPERATING REACTORS - REGIONAL EVALUATIONS (IE)											
PURPOSE:	ESTABLISH BOARDS IN EACH REGIONAL OFFICE TO ANNUALLY EVALUATE LICENSEE'S PERFORMANCE WITH LICENSING PROJECT MANAGER PARTICIPATION. RESULTS USED TO DETERMINE ADEQUACY OF INSPECTION PROGRAM EFFORT OR DIRECTION AND PRESENT ENFORCEMENT SANCTIONS; INPUT INTO NRC EVALUATION (I.B.2.4.).											
SCHEDULE:	(ORIGINAL) DECISION GROUP D (CURRENT) SAME											
ACCOMPLISHMENTS:	COMPLETE - PROGRAM IN PLACE AND BEING IMPLEMENTED. REPORTED TO EDO (MEMO OF 12/19/80).											
CURRENT STATUS:												
ISSUES:	NONE											

CHAPTER...	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.B.2.4	-	COMPLETE	NO		FY81	12/18/81	IE	NORMAN MOSELEY	29696	IE	DPDA	*
TITLE:	OVERVIEW OF LICENSEE PERFORMANCE (IE)											
PURPOSE:	APPOINT A FORMAL NRC REVIEW BOARD TO PROVIDE OVERVIEW FUNCTION OF REGIONAL APPRAISALS OF LICENSEE PERFORMANCE, DETERMINE SAFETY ADEQUACY, AND ASSESS CORRECTIVE ACTIONS PLANNED BY REGIONAL OFFICES.											
SCHEDULE:	(ORIGINAL) DECISION GROUP D (CURRENT) COMPLETE											
ACCOMPLISHMENTS:	CHARTER ISSUED, BOARD APPOINTED, ASSISTANTS STAFFED, FIRST GROUP EVALUATED 12/80, FIRST ANNUAL REPORT ISSUED 08/81.											
CURRENT STATUS:	COMPLETE - PROGRAM IN PLACE AND BEING IMPLEMENTED. REPORTED TO EDO (MEMO OF 04/17/81).											
ISSUES:	NONE											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.C.1 (1)	1	REQUIREMENT	GREEN	NO	FY81	01/15/82	NRR NRR IE	DAVE VERRELLI DON BECKHAM MIKE KIDD	28434 24868 28019	DL DHFS	ORAB PTRB	*

TITLE:..... SHORT-TERM ACCIDENT ANALYSIS AND PROCEDURES REVISION (NRR)
 (SMALL BREAK LOCA)
 PURPOSE:..... THREE PHASE PROGRAM TO REANALYZE (1) SMALL BREAK LOCA, (2) INADEQUATE CORE COOLING
 (ICC), AND (3) TRANSIENTS AND ACCIDENTS AND REVISE EMERGENCY PROCEDURES.
 SCHEDULE:..... (ORIGINAL) 1) COMPLETED BY B&O TASK FORCE; 2) INITIATED BY LLTF (LESSONS LEARNED
 TASK FORCE) COMPLETION 01/81; 3) INITIATED BY LLTF * COMPLETION EARLY 1981.
 (CURRENT) 1) COMPLETE; 2) REANALYSIS COMPLETE, UNDER REVIEW BY STAFF;
 3) REANALYSIS TO BE COMPLETED BY 01/81.
 ACCOMPLISHMENTS:.. B&O TASK FORCE COMPLETED REVIEWS OF SB LOCA FOR ALL VENDORS. COMPLETED REVIEWS
 OF ICC FOR WESTINGHOUSE (MAY 1980), BABCOCK AND WILCOX (DEC 1980), GENERAL
 ELECTRIC (NOV 1980). REVIEWS UNDERWAY ON COMBUSTION ENGINEERING.
 CURRENT STATUS:... SHORT TERM ITEMS, SBLOCA AND ICC, COMPLETED BY VENDORS. REVIEWS BY STAFF
 PROGRESSING TO SUPPORT NTOL LICENSING SCHEDULES. CLARIFICATION ON SCOPE AND
 SCHEDULE OF I.C.1(3) INCLUDED IN NUREG-0737. REVIEW UNDERWAY ON GENERAL
 ELECTRIC AND WESTINGHOUSE, AND BABCOCK AND WILCOX LONG TERM SUBMITTALS.
 ISSUES:..... REANALYSIS OF TRANSIENTS AND ACCIDENTS REQUIRED SIGNIFICANTLY MORE EFFORT THAN
 ORIGINALLY ESTIMATED. SCHEDULE REVISED TO REFLECT THE ADDITIONAL EFFORT. CE
 SUBMITTAL STILL NOT RECEIVED BY 04/27/81. THIS ITEM IS APPROVED FOR
 IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).
 NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.C.1 (2)	1	REQUIREMENT	GREEN	NO	01/82	01/15/82	NRR NRR IE	DAVE VERRELLI DON BECKHAM MIKE KIDD	28434 24868 28019	DL	ORAB	*

TITLE:..... SHORT-TERM ACCIDENT ANALYSIS AND PROCEDURES REVISION (NRR)
 (INADEQUATE CORE COOLING ANALYSIS)
 PURPOSE:..... THREE PHASE PROGRAM TO REANALYZE (1) SMALL BREAK LOCA, (2) INADEQUATE CORE COOLING
 (ICC), AND (3) TRANSIENTS AND ACCIDENTS AND REVISE EMERGENCY PROCEDURES.
 SCHEDULE:..... SEE I.C.1(1).
 ACCOMPLISHMENTS:..
 CURRENT STATUS:... STATUS INFORMATION IS INCLUDED WITH I.C.1(1).
 ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE
 PROJECT ACTION TRACKING SYSTEM (PATS).
 NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
I.C.1 (3)	1	REQUIREMENT	GREEN	NO	01/82	01/15/82	NRR NRR IE	DAVE VERRELLI DON BECKHAM MIKE KIDD	28434 24868 28019	DL DHFS	ORAB PTRB	

TITLE:..... SHORT-TERM ACCIDENT ANALYSIS AND PROCEDURES REVISION (NRR)
 (TRANSIENTS AND ACCIDENT ANALYSIS, GUIDELINES AND PROCEDURES)
 PURPOSE:..... THREE PHASE PROGRAM TO REANALYZE (1) SMALL BREAK LOCA, (2) INADEQUATE CORE COOLING
 (ICC), AND (3) TRANSIENTS AND ACCIDENTS AND REVISE EMERGENCY PROCEDURES.
 SCHEDULE:.....
 ACCOMPLISHMENTS:..
 CURRENT STATUS:... STATUS INFORMATION IS INCLUDED WITH I.C.1(1).
 ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE
 PROJECT ACTION TRACKING SYSTEM (PATS).
 NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
I.C.1 (4)	1	ACTIVE	RED	NO	FY82	01/18/82	NRR	BRIAN SHERON	27460	DSI	RSB	42031

TITLE:..... SHORT-TERM ACCIDENT ANALYSIS AND PROCEDURES REVISION (NRR)
 PURPOSE:..... ANALYSES OF SELECTED TRANSIENTS WILL BE PERFORMED BY NRR USING THE BEST AVAILABLE
 COMPUTER CODES TO PROVIDE THE BASIS FOR COMPARISONS WITH ANALYTICAL METHODS BEING
 USED BY REACTOR VENDORS.
 SCHEDULE:..... (ORIGINAL) COMPLETE BY JUNE, 1980
 (CURRENT) COMPLETE BY 09/82
 ACCOMPLISHMENTS:.. MEMOS ISSUED TO RES ON 12/19/80, 04/04/81, 06/16/81, AND 10/23/81 REQUESTING RES PERFORM
 ANALYSES OF SELECTED TRANSIENTS FOR GUIDELINE REVIEW.
 CURRENT STATUS:... RES ARRANGING FOR ANALYSES TO BE PERFORMED.
 ISSUES:..... (1) A REVISED BASELINE WAS REQUESTED TO REFLECT CURRENT RESOURCES AND PRIORITIES;
 SEE MEMO FROM H. DENTON TO W. DIRCKS DATED 01/03/82.
 (2) THIS ITEM HAS BEEN INCLUDED IN NRR OPERATING PLAN FOR FY82.
 (3) I.C.1 (4) IS NOT ON THE CRITICAL PATH FOR RSB APPROVAL GUIDELINES. RSB IS USING
 I.C.1 (4) CALCULATION TO INVESTIGATE SCENARIOS THAT ARE NOT UNDERSTOOD VERY WELL
 (E.G., MULTIPLE S/G TUBE RUPTURES STEAM LINE BK WITH LOSS OF OFFSITE POWER, ETC.).
 COMMISSION ACTION: NONE.
 NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.
 FLAG WILL CHANGE TO GREEN IF APPROVED.

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
I.C.2	1	COMPLETE		NO	05/80	08/26/81	NRR NRR IE	DAVE VERRELLI FRED ALLENSPACH MIKE KIDD	28434 27741 28019	DL DHFS	ORAB LQB	

TITLE:..... SHIFT AND RELIEF TURNOVER PROCEDURES (NRR)
 PURPOSE:..... TO ASSURE THAT THE ONCOMING SHIFT IS AWARE OF PLANT STATUS WHEN ONE COMES ON DUTY.
 SCHEDULE:..... (ORIGINAL) NRR ISSUED REQUIREMENTS TO LICENSEES AND APPLICANTS BY SERIES OF
 LETTERS IN FALL 1979. WORK COMPLETED. (CURRENT) TASK COMPLETED PER ORIGINAL.
 APPLICATIONS WILL NOW BE REVIEWED TO ASSURE CONFORMANCE.
 ACCOMPLISHMENTS:..
 CURRENT STATUS:... COMPLETE
 ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE
 PROJECT ACTION TRACKING SYSTEM (PATS).

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.C.3	1	COMPLETE		NO	05/80	08/26/81	NRR NRR IE	DAVE VERRELLI FRED ALLENSPACH MIKE KIDD	28434 27741 28019	DL DHFS	ORAB LQB	*

TITLE:..... SHIFT SUPERVISOR RESPONSIBILITIES (NRR)
 PURPOSE:..... TO ASSURE SHIFT SUPERVISOR AND CONTROL ROOM OPERATOR RESPONSIBILITIES ARE PROPERLY DEFINED.
 SCHEDULE:..... (ORIGINAL) OPERATING REACTORS BY 01/80. OL APPLICANTS BY FUEL LOAD. NRR ISSUED REQUIREMENTS BY SERIES OF LETTERS IN FALL 1979. (CURRENT) TASK COMPLETED PER ORIGINAL. APPLICATIONS WILL NOW BE REVIEWED TO ASSURE CONFORMANCE.
 ACCOMPLISHMENTS:.. COMPLETE
 CURRENT STATUS:... COMPLETE
 ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.C.4	1	COMPLETE		NO	05/80	08/26/81	NRR NRR IE	DAVE VERRELLI FRED ALLENSPACH MIKE KIDD	28434 27741 28019	DL DHFS	ORAB LQB	*

TITLE:..... OPERATING PROCEDURES - CONTROL ROOM ACCESS (NRR)
 PURPOSE:..... TO ESTABLISH AUTHORITY TO LIMIT ACCESS TO CONTROL ROOM IN THE EVENT OF AN EMERGENCY.
 SCHEDULE:..... (ORIGINAL) OPERATING REACTORS BY 01/80. OL APPLICANTS BY FUEL LOAD. NRR ISSUED REQUIREMENTS BY SERIES OF LETTERS IN FALL 1979. (CURRENT) TASK COMPLETED PER ORIGINAL. APPLICATIONS WILL NOW BE REVIEWED TO ASSURE CONFORMANCE.
 ACCOMPLISHMENTS:.. COMPLETE
 CURRENT STATUS:... COMPLETE
 ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.C.5	1	REQUIREMENT	GREEN	NO	FY81	01/15/82	NRR NRR IE	DAVE VERRELLI FRED ALLENSPACH MIKE KIDD	28434 28356 28019	DL DHFS	ORAB LQB	*

TITLE:..... PROCEDURES FOR FEEDBACK OF OPERATING EXPERIENCE (NRR)
 PURPOSE:..... TO ASSURE THAT OPERATING EXPERIENCES FROM WITHIN AND FROM OTHER REACTORS ARE PROVIDED TO PLANT PERSONNEL.
 SCHEDULE:..... (ORIGINAL) REQUIREMENTS TO BE ISSUED BY 05/80. IE TO AUDIT IMPLEMENTATION. (CURRENT) REQUIREMENTS ISSUED BY LETTER DATED 05/80. APPLICATIONS WILL NOW BE REVIEWED TO ASSURE CONFORMANCE.
 ACCOMPLISHMENTS:.. HAS BEEN COMPLETED FOR UTILITIES WITH OPERATING REACTORS.
 CURRENT STATUS:... APPLICANTS FOR OPERATING LICENSES MUST COMPLETE PRIOR TO ISSUANCE OF LICENSE.
 ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).
 NOTE:..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
I.C.6	2	REQUIREMENT	GREEN	NO	10/81	01/15/82	NRR	DAVE VERRELLI	28434	DL	ORAB	*
							NRR	DON BECKHAM	24868	DHFS	LQB	
							RES	TOM SCARBROUGH	35942	DFD	HFB	
							IE	PHIL MCKEE	28019			

TITLE:..... PROCEDURES FOR VERIFICATION OF CORRECT PERFORMANCE OF OPERATING ACTIVITIES (NRR)
 PURPOSE:..... LICENSEE REVIEW AND REVISE SYSTEM FOR VERIFYING CORRECT PERFORMANCE OF OPERATING ACTIVITIES.
 SCHEDULE:..... (ORIGINAL) REQUIREMENT TO BE ISSUED BY JULY 1, 1980.
 (CURRENT) REVIEW AND IMPLEMENTATION TO BE COMPLETED BY 01/01/81.
 ACCOMPLISHMENTS:.. CLARIFICATION OF REQUIREMENT PREPARED BY OSD, NRR, IE REPRESENTATIVES. ORDERS WERE ISSUED (07/81) CONFIRMING LICENSEE COMMITMENT TO SATISFY THIS ITEM.
 CURRENT STATUS:... CLARIFICATION, INCLUDING ACCEPTABLE METHOD OF VERIFICATION, ASSEMBLED BY DL AND ISSUED FOR COMMENT ON 09/05/80. INCLUDED IN NUREG-0737.
 ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).
 NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
I.C.7	1	COMPLETE		NO	FY81	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
							NRR	DON BECKHAM	24958	DHFS	PTRB	
							IE	M. KIDD				

TITLE:..... NSSS VENDOR REVIEW OF OPERATING PROCEDURES (NRR)
 PURPOSE:..... APPLICANTS OBTAIN NSSS VENDOR REVIEW OF LOW-POWER AND POWER-ASCENSION TEST AND EMERGENCY PROCEDURES.
 SCHEDULE:..... (ORIGINAL) PRIOR TO FUEL LOADING FOR NTOL'S. (CURRENT) SAME AS ORIGINAL.
 ACCOMPLISHMENTS:.. COMPLETED ON NORTH ANNA 2 AND SEQUOYAH (07/80), SALEM (08/80), FARLEY (09/80), SUMMER, LASALLE, AND DIABLO CANYON (12/80), MCGUIRE (02/81).
 CURRENT STATUS:... COMPLETE; FURTHER ACTION TO BE UNDER I.C.9.
 ISSUES:.....

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
I.C.8	2	REQUIREMENT	GREEN	NO	FY81	05/07/81	NRR	DON BECKHAM	24868	DHFS	PTRB	*
							IE	DICK WESSMAN	24900	EIS	EB	

TITLE:..... PILOT MONITORING OF SELECTED EMERGENCY PROCEDURES FOR NTOL APPLICANTS (NRR)
 PURPOSE:..... NRC AUDIT OF SELECTED EMERGENCY PROCEDURES RECEIVED FROM NTOL'S. REVIEW WILL PROVIDE A SENSE OF ADEQUACY OF THE PROCEDURES.
 SCHEDULE:..... (ORIGINAL) PRIOR TO FULL POWER LICENSE FOR NTOL'S.
 (CURRENT) SAME
 ACCOMPLISHMENTS:.. COMPLETED REVIEWS FOR SEQUOYAH AND NORTH ANNA (07/80), SALEM (08/80), FARLEY (10/80), SUMMER, LASALLE, AND DIABLO CANYON (12/80), MCGUIRE (02/81). B&W AND GE GUIDELINES UNDER REVIEW. PLANT SPECIFIC REVIEWS PROCEEDING CONSISTENT WITH LICENSING SCHEDULE.
 CURRENT STATUS:... AVAILABILITY OF PLANT SPECIFIC EMERGENCY PROCEDURES LIMITS WHEN REVIEWS CAN BEGIN. THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).
 ISSUES:.....

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.C.9	1	REQUIREMENT	GREEN	YES	FY83	01/15/82	NRR	BRENT CLAYTON	24582	DHFS	PTRB	*
TITLE:..... LONG-TERM PLAN FOR UPGRADING OF PROCEDURES (NRR)												
PURPOSE:..... TO DEVELOP A LONG-TERM PROGRAM FOR UPGRADING PLANT PROCEDURES FOR NORMAL OPERATIONS, ADMINISTRATION, MAINTENANCE, AND SURVEILLANCE. STAFF TO PROVIDE GUIDELINES ON HOW TO BEST WRITE PROCEDURES TO ASSUME THAT THEY ARE EASILY UNDERSTOOD AND THAT THE CONTENT OF THE PROCEDURES REFLECTS BOTH ENGINEERING TRAINING AND OPERATOR PRACTICABILITIES.												
SCHEDULE:..... (ORIGINAL) PLAN TO BE DEVELOPED BY 07/81. (CURRENT) PLAN TO BE DEVELOPED BY 10/82.												
ACCOMPLISHMENTS:..												
CURRENT STATUS:... SEE SCHEDULE ABOVE.												
ISSUES:..... DEVELOPMENTAL PLAN DELAYED DUE TO LACK OF RESOURCES.												
COMMISSION ACTION: REVIEW AND APPROVE PLAN WHEN DEVELOPED.												
NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.D.1 (1)	1	REQUIREMENT	YELLOW	NO	FY81	01/08/82	NRR IE	RICHARD FROELICH DICK WESSMAN	28991 24900	DHFS EIS	HFEB EB	041024 *
TITLE:..... CONTROL ROOM DESIGN REVIEWS: GUIDELINES AND REQUIREMENT (NRR)												
PURPOSE:..... DEVELOP GUIDELINES FOR INDUSTRY REVIEW OF CONTROL ROOM DESIGNS TO ENSURE IMPLEMENTATION OF HUMAN FACTORS. ISSUE REQUIREMENTS FOR CONTROL ROOM DESIGN REVIEWS.												
SCHEDULE:..... (ORIGINAL) INITIATION: FEB. 1980. DRAFT GUIDELINES JULY 1980. FINAL GUIDELINES SEPT. 1980. (CURRENT) DRAFT ACCEPTANCE CRITERIA NOVEMBER 1980. FINAL ACCEPTANCE CRITERIA MARCH 1981. CONTROL ROOM DESIGN GUIDELINES ISSUED SEPTEMBER 1981. DRAFT EVALUATION CRITERIA ISSUED FOR PUBLIC COMMENT NOVEMBER 1981. COMMISSION INFORMATION PAPER BY FEBRUARY 1982. NRR AND IE ONSITE VISITS COMPLETE BY SEPTEMBER 1982. DCRDR REPORTS DUE FROM LICENSEES MARCH 1983. NRR AND IE AUDITS OF DCRDR REPORTS COMPLETE BY OCTOBER 1984.												
ACCOMPLISHMENTS:.. DRAFT GUIDELINES PUBLISHED AUGUST 4, 1980. COMMENT PERIOD CLOSED SEPT. 29, 1980. FINAL COMMENTS RECEIVED DEC. 2, 1980. SUPPLEMENT TO DRAFT GUIDELINES PUBLISHED MARCH 1981. PUBLIC MEETINGS TO DISCUSS DRAFT GUIDELINES AND SUPPLEMENT HELD APRIL 22 AND 24, 1981. FINAL GUIDELINES ISSUED SEPTEMBER 1981.												
CURRENT STATUS:... DRAFT REQUIREMENTS FOR THE CONTROL ROOM DESIGN REVIEW ARE UNDER REVIEW.												
ISSUES:..... REQUIREMENTS BASED ON CRGR RECOMMENDATIONS FOR THE CONTROL ROOM DESIGN REVIEW (AS CONTRASTED TO THE CONTROL ROOM DESIGN REVIEW GUIDELINES) NEED TO BE ISSUED BEFORE THE INDUSTRY REVIEWS WILL BEGIN.												
NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.D.1 (2)	1	INACTIVE	YELLOW	NO	FY81	01/08/82	NRR	RICHARD FROELICH	28991	DHFS	HFEB	041024 *
TITLE:	CONTROL ROOM DESIGN REVIEWS: ON-SITE AUDITS (NRR)											
PURPOSE:	AUDIT THE CONTROL ROOM REVIEW PROCESS AT SELECTED SITES DURING THE REVIEW PROCESS TO IDENTIFY POSSIBLE REVIEW DEFICIENCIES AND THE NEED TO DEVELOP AND PUBLISH ADDITIONAL REVIEW GUIDANCE.											
SCHEDULE:	(ORIGINAL) INITIATION: FEB. 1981. COMPLETE MAY 1981. (CURRENT) INITIATION: APRIL 1982. COMPLETE AUGUST 1982.											
ACCOMPLISHMENTS:	PRELIMINARY PLANS FOR ONSITE AUDITS HAVE BEEN COMPLETED.											
CURRENT STATUS:	WAITING FOR ISSUANCE OF DESIGN REVIEW REQUIREMENTS AND INITIATION OF CONTROL ROOM DESIGN REVIEWS.											
ISSUES:	SEE I.D.1 (1) ISSUES.											
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.D.1 (3)	1	REQUIREMENT	YELLOW	YES	FY81	01/08/82	NRR	MARC GREENBERG	28344	DHFS	HFEB	041024 *
TITLE:	CONTROL ROOM DESIGN REVIEWS: EVALUATION CRITERIA AND COMMISSION INFORMATION PAPER (NRR)											
PURPOSE:	DEVELOP EVALUATION CRITERIA FOR STAFF USE IN JUDGING THE ACCEPTABILITY OF THE REVIEWS AND DESIGN MODIFICATIONS. PREPARE A COMMISSION INFORMATION PAPER THAT DESCRIBES THE EVALUATION CRITERIA, ESTIMATES THE IMPACT OF THEIR APPLICATION, AND OUTLINES STAFF PLANS FOR COMPLETING THE CONTROL ROOM REVIEWS.											
SCHEDULE:	(ORIGINAL) INITIATION: FEB. 1980. ISSUE COMMISSION PAPER DEC. 1980. ISSUE FINAL EVALUATION CRITERIA FEB. 1981. (CURRENT) INITIATION: FEB. 1980. DRAFT EVALUATION CRITERIA OCT. 1981. FINAL EVALUATION CRITERIA APR. 1982. ISSUE COMMISSION PAPER MAR. 1982.											
ACCOMPLISHMENTS:	DRAFT EVALUATION CRITERIA ISSUED OCTOBER 1981.											
CURRENT STATUS:	DRAFT EVALUATION CRITERIA UNDERGOING PUBLIC REVIEW. COMMENT PERIOD EXPECTED TO BE EXTENDED THROUGH JAN. 1982.											
ISSUES:	ISSUANCE OF COMMISSION INFORMATION PAPER WILL FOLLOW RESOLUTION OF SPECIFIC DETAILS CONCERNING THE NATURE AND EXTENT OF THE CONTROL ROOM DESIGN REVIEW REQUIREMENTS. COMMISSION REVIEW AND APPROVAL OF THE CRITERIA, IMPACTS, AND PLANS FOR COMPLETING THE CONTROL ROOM REVIEWS MAY BE A PREREQUISITE TO INITIATION OF THE REVIEW PROCESS AT PLANTS WITH OPERATING LICENSES.											
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.D.1 (4)	1	REQUIREMENT	YELLOW	NO	FY81	01/08/82	NRR	RAY RAMIREZ	28106	DHFS	HFEB	041024 *
TITLE:	CONTROL ROOM DESIGN REVIEWS: PRELIMINARY DESIGN ASSESSMENT REVIEWS (NRR)											
PURPOSE:	CONDUCT STAFF REVIEWS OF OL APPLICANT PRELIMINARY DESIGN ASSESSMENT REPORTS FOR THOSE PLANTS HAVING LICENSING SCHEDULES THAT PREVENT COMPLETION OF THE DETAILED CONTROL ROOM DESIGN REVIEW PRIOR TO FUEL LOADING. IDENTIFY SIGNIFICANT HUMAN FACTORS AND INSTRUMENTATION PROBLEMS AND ESTABLISH MUTUALLY ACCEPTABLE SCHEDULES FOR THEIR CORRECTION.											
SCHEDULE:	(ORIGINAL) INITIATION FEB. 1980. COMPLETE DEC. 1981. (CURRENT) SCHEDULE ESSENTIALLY COMPLETE BUT MAY BE EXTENDED. SEE ISSUES.											
ACCOMPLISHMENTS:	STAFF REVIEWS HAVE BEEN CONDUCTED FOR A TOTAL OF 21 PLANTS IN OL APPLICATION STATUS. THIS TASK IS ESSENTIALLY COMPLETE. SEE ISSUES SECTION.											
CURRENT STATUS:	TASK IS ESSENTIALLY COMPLETE. SEE ISSUES SECTION FOR POSSIBLE EXTENSION.											
ISSUES:	OL LICENSING SCHEDULES FOR REMAINING OL APPLICANTS WHO HAVE NOT SUBMITTED PRELIMINARY DESIGN ASSESSMENT REPORTS SUGGEST THAT THESE APPLICANTS WILL BE IN A POSITION TO COMPLETE THE DETAILED CONTROL ROOM DESIGN REVIEW PRIOR TO FUEL LOAD. HOWEVER, DELAYS IN ESTABLISHING SPECIFIC DETAILS CONCERNING THE EXTENT OF THE DETAILED CONTROL ROOM DESIGN REVIEW REQUIREMENTS COULD RESULT IN ONE OR MORE ADDITIONAL PRELIMINARY DESIGN ASSESSMENT REVIEWS.											
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO. FLAG WILL BECOME GREEN IF APPROVED.											

CHAPTER... PR... STATUS... FLAG... ACTION COMP DATE REVISED OFFICE... CONTACT'S NAME... PHONE DIVSN BRANCH TACS #
 I.D.1 (5) 1 INACTIVE RED NO FY81 01/08/82 NRR RICHARD FROELICH 28991 DHFS HFEB 041024 *

TITLE:..... CONTROL ROOM DESIGN REVIEWS: CONTROL ROOM DESIGN REVIEW REPORT AUDITS (NRR)
 PURPOSE:..... CONDUCT STAFF REVIEWS OF COMPLETED CONTROL ROOM DESIGN REVIEW REPORTS SUBMITTED BY LICENSEES AND APPLICANTS. STAFF REVIEW OBJECTIVES ARE AN ASSESSMENT, ON A CASE-BY-CASE BASIS, TO DETERMINE THE NEED FOR FURTHER CONTROL ROOM DESIGN MODIFICATIONS AND THE ACCEPTABILITY OF IMPLEMENTATION SCHEDULES.
 SCHEDULE:..... (ORIGINAL) COMPLETE AUDITS OF OL LICENSEE REPORTS BY APRIL 1982. COMPLETE AUDITS OF OL APPLICANT REPORTS BY APRIL 1982 OR PRIOR TO ISSUANCE OF THE OL.
 (CURRENT) ESTIMATED COMPLETION OF AUDITS OF OL LICENSEE REPORTS IS BEYOND APRIL 1983. SEE ISSUES SECTION.
 ACCOMPLISHMENTS:.. PRELIMINARY PLANS FOR CONDUCTING STAFF AUDITS HAVE BEEN COMPLETED.
 CURRENT STATUS:... WAITING FOR ISSUANCE OF DESIGN REVIEW REQUIREMENTS AND INITIATION OF CONTROL ROOM DESIGN REVIEWS.
 ISSUES:..... INITIATION OF THE CONTROL ROOM DESIGN REVIEW PROCESS BY OR LICENSEES IS EXPECTED TO BE DELAYED UNTIL SPECIFIC DETAILS OF THE CONTROL ROOM DESIGN REVIEW REQUIREMENTS (BASED ON CRGR RECOMMENDATIONS) HAVE BEEN RESOLVED AND PUBLISHED. STAFF REVIEWS OF THE CONTROL ROOM DESIGN REVIEW REPORTS WILL BEGIN ABOUT ONE YEAR AFTER THE REQUIREMENTS ARE ISSUED.

IMPLEMENTATION STATUS ON OR'S WILL BE OBTAINABLE FROM THE OPERATING REACTORS PROJECT ACTIONS TRACKING SYSTEM (PATS). THE REQUIREMENT FOR OPERATING LICENSE APPLICANTS IS BEING IMPLEMENTED IN THE COURSE OF LICENSE APPLICATION REVIEW AND APPROVAL.
 *CONTACT FOR OL INFORMATION: BOB TEDESCO (27425)

NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #	*
I.D.2	1	COMPLETE	YES		FY81	01/15/82	NRR	LEO BELTRACCHI		29534	DHFS	HFEB	041029	*
TITLE:.....	CONTROL ROOM DESIGN - PLANT SAFETY PARAMETER DISPLAY CONSOLE (NRR)													
PURPOSE:.....	THE SAFETY PARAMETER DISPLAY SYSTEM (SPDS) PROVIDES A DISPLAY OF PLANT PARAMETERS FROM WHICH THE SAFETY STATUS OF OPERATION MAY BE ASSESSED IN THE CONTROL ROOM.													
SCHEDULE:.....	(ORIGINAL) NRR REQUIREMENTS - AUGUST 1980. LICENSEE DESIGN SUBMITTALS - JANUARY 1981. LICENSEES OPERATIONAL BY APRIL 1, 1982 AND MEET ALL DESIGN CRITERIA BY JANUARY 1983. (CURRENT) NRR REQUIREMENTS-01/81; LICENSEE DESIGN SUBMITTALS-03/81; LICENSEES OPERATIONAL-07/82; MEET ALL DESIGN CRITERIA-06/83.													
ACCOMPLISHMENTS:..	NUREG-0696, FINAL REPORT "FUNCTIONAL CRITERIA FOR EMERGENCY RESPONSE FACILITIES", JANUARY 1981 CONTAINS FUNCTIONAL REQUIREMENTS FOR SPDS. WORKSHOPS WITH INDUSTRY ON DRAFT REPORT NUREG-0696 HELD IN AUGUST 1980.													
CURRENT STATUS:...	FINAL NUREG-0696 PUBLISHED IN FEBRUARY 1981. LICENSEES OPERATIONAL 10/82 AND MEET ALL DESIGN CRITERIA BY 06/83.													
ISSUES:.....	RESOLVED IN REVISED NUREG-0696. REQUIREMENT NOT YET IMPOSED BY COMMISSION. PROPOSED RULE NOT YET PUBLISHED (IE LEAD).													
COMMISSION ACTION:	REVIEW PROPOSED DRAFT RULE.													
NOTE.....	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.													

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #	*
I.D.3	2	INACTIVE	GREEN	NO	FY82	01/15/82	NRR	GEORGE LAPINSKY		28525	DHFS	HFEB	041030	*
TITLE:.....	CONTROL ROOM DESIGN - SAFETY SYSTEM STATUS MONITORING (NRR)													
PURPOSE:.....	STUDY NEED FOR ALL LICENSEES AND APPLICANTS TO COMMIT TO AN AUTOMATIC STATUS MONITORING SYSTEM AS IN REG. GUIDE 1.47.													
SCHEDULE:.....	(ORIGINAL) NRR WORK TO BE INITIATED IN FY 1982. (CURRENT) SAME													
ACCOMPLISHMENTS:..	NONE													
CURRENT STATUS:...														
ISSUES:.....	PROPOSED FY82 RESOURCES ARE NOT SUFFICIENT TO INITIATE THIS EFFORT AS SCHEDULED.													

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.D.4	1	INACTIVE	YELLOW	NO	09/82	11/20/81	RES NRR	JIM JENKINS LEO BELTRACCHI	35942 29534	DF0 DHFS	HFB HFEB	042285 *

TITLE:..... CONTROL ROOM DESIGN STANDARD (RES)
PURPOSE:..... DEVELOP GUIDANCE ON THE DESIGN OF CONTROL ROOMS TO INCORPORATE HUMAN FACTORS
CONSIDERATIONS.
SCHEDULE:..... (ORIGINAL) INITIATION DATE 06/16/80. IEEE STANDARD AVAILABLE 01/07/81. DRAFT GUIDE
ISSUE FOR COMMENTS 07/31/81.
(CURRENT) TASK PLACED IN HOLD PENDING ISSUANCE OF IEEE 566 AND 567.
ACCOMPLISHMENTS:.. NONE
CURRENT STATUS:.. NRC EFFORT TO ISSUE DRAFT REG GUIDE IS ON HOLD PENDING ISSUE OF IEEE 566 AND 567.
IEEE WORKING GROUP IS UNCERTAIN ABOUT AN ISSUANCE DATE FOR EITHER STANDARD. BOTH
ARE OUT IN DRAFT. IEEE 566 (DISPLAY) IS MUCH TOO WEAK TO BE ENDORSED. IEEE 567 IS
MUCH CLOSER TO ITS FINAL FORM.
ISSUES:..... NONE

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.D.5 (1)	2	COMPLETE		NO	09/81	11/20/81	RES	RAY DI SALVO	35944	DF0	HFB	*

TITLE:..... CONTROL ROOM DESIGN - IMPROVED INSTRUMENTATION RESEARCH (RES); ALARMS AND DISPLAYS
PURPOSE:..... REVIEW METHODS AND PROVIDE RECOMMENDATIONS FOR IMPROVING THE HUMAN-MACHINE INTERFACE
IN REACTOR CONTROL ROOMS. CURRENT PRACTICES FOR UTILIZING AUDIO AND VISUAL STIMULI
ARE REVIEWED AND ALTERNATIVE TECHNIQUES ARE INVESTIGATED AND EVALUATED.
SCHEDULE:..... (ORIGINAL) INITIAL ALARM AND VIDEO SYSTEM RECOMMENDATIONS DEVELOPED 12/80.
(CURRENT) INITIAL VIDEO SYSTEM RECOMMENDATIONS DEVELOPED 10/80 (COMPLETE). INITIAL
ALARM SYSTEM RECOMMENDATIONS DEVELOPED 04/81 (COMPLETE).
ACCOMPLISHMENTS:.. THE ADVANCED DISPLAY AND DIAGNOSTIC SYSTEM AT LOFT HAS BEEN USED TO DEVELOP GUIDELINES
FOR CRT DISPLAYS AND CANDIDATE FORMATS FOR SAFETY PARAMETER DISPLAY SYSTEMS.
RECOMMENDATIONS FOR VIDEO SYSTEM USE WERE REPORTED IN TECHNICAL REPORTS IN 4/80 AND
11/80. A REVIEW OF ALARM UTILIZATION IN TEST AND COMMERCIAL REACTORS NUREG/CR-2147
WAS COMPLETED 06/81. RIL #124 HAS BEEN ISSUED 10/81.
CURRENT STATUS:.. COMPLETE.
ISSUES:..... NONE

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.D.5	(2)	2	COMPLETE	NO	09/81	11/20/81	RES	RAY DI SALVO	35944	DFO	HFB	
							RES	ED WENZINGER	35900	DFO	ICB	
							ADM					

TITLE:..... CONTROL ROOM DESIGN - IMPROVED INSTRUMENTATION RESEARCH (RES)
(PURPOSE:..... (PLANT STATUS MONITORING)
PURPOSE:..... IMPROVE THE ABILITY OF REACTOR OPERATORS TO PREVENT, DIAGNOSE AND PROPERLY RESPOND TO ACCIDENTS. ACCIDENT SEQUENCES ARE ANALYZED TO DETERMINE THE INFORMATION REQUIRED TO PROVIDE UNAMBIGUOUS INDICATION OF PLANT STATUS. INSTRUMENTATION AND ESF STATUS MONITORING NEEDS ARE RECOMMENDED.
SCHEDULE:..... (ORIGINAL) STATUS MONITORING REQUIREMENTS CONFIRMED 12/80. (CURRENT) PWR INSTRUMENTATION REQUIREMENTS CONFIRMED 08/80 (COMPLETE). ESF STATUS MONITORING REQUIREMENTS CONFIRMED 02/81 BWR INSTRUMENTATION CONFIRMED 04/81.
ACCOMPLISHMENTS:.. PWR INSTRUMENTATION REQUIREMENTS WERE CONFIRMED AND RESULTS (NUREG/CR-1440) USED AS INPUT TO REVISION OF REG. GUIDE 1.97. RESULTS WERE TRANSMITTED TO NRR & SD (RES) VIA RESEARCH INFO LETTER #98, 08/80. BWR ACCIDENT SEQUENCES HAVE BEEN ANALYZED FOR INSTRUMENTATION REQUIREMENTS AND A FINAL REPORT IS AVAILABLE (NUREG/CR-2100).
CURRENT STATUS:... WORK ON ESF STATUS MONITORING REQUIREMENTS IS COMPLETE AND A FINAL REPORT IS AVAILABLE (NUREG/CR-2278, 8/81). RESULTS SHOULD ASSIST NRR AND RES IN ADDRESSING REVISION AND IMPLEMENTATION OF REG. GUIDE 1.47.
ISSUES:..... NONE

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.D.5	(3)	2	ACTIVE	YELLOW	09/84	11/20/81	RES	G. S. LEWIS	35966	DFO	ICB	IC0649

TITLE:..... CONTROL ROOM DESIGN - IMPROVED INSTRUMENTATION RESEARCH (RES) FYN B0442
PURPOSE:..... ON LINE REACTOR SURVEILLANCE. A CONTINUOUS ON-LINE MONITORING SYSTEM UTILIZING NOISE DIAGNOSTIC AND PATTERN RECOGNITION TECHNIQUES IS TO BE INSTALLED AND TESTED AT A PWR AND AT A BWR PLANT.
SCHEDULE:..... (ORIGINAL) INITIATED MODIFICATION OF SURVEILLANCE EQUIPMENT - 02/80. COMPLETE PATCH PANEL AND INSTALL AT SEQUOYAH - 06/80. TAKE DATA AT SEQUOYAH THRU 06/82. (CURRENT) COMPLETE PATCH PANEL AND INSTALL AT SEQUOYAH - 09/80. TAKE DATA AT SEQUOYAH THRU 12/82. INSTALL SURVEILLANCE EQUIPMENT AT BWR - 03/83. COMPLETE IN-PLANT DEMONSTRATION IN A BWR - 09/84.
ACCOMPLISHMENTS:.. SURVEILLANCE SYSTEM OPERATIONAL AND OBTAINING DATA AT SEQUOYAH UNIT 1 SINCE INITIAL STARTUP - 04/81.
CURRENT STATUS:... NEW HRC DEDICATED 16-CHANNEL SURVEILLANCE SYSTEM INSTALLED AT SEQUOYAH - 08/81 SUPPLANTING DOE 4-CHANNEL SYSTEM USED IN DATA ACQUISITION PREVIOUSLY.
ISSUES:..... POSSIBLE NEED TO OBTAIN SURVEILLANCE DATA IN MORE THAN ONE PWR AND ONE BWR IN ORDER TO EVALUATE GENERIC CHARACTERISTICS OF REACTOR NOISE SIGNATURES.

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.D.5 (4)	2	ACTIVE	RED	NO	FY82	11/20/81	RES RES NRR ADM	ANDREW HON Y. HSU TAI HUANG	74260	DAE	EPB	*
TITLE:	CONTROL ROOM DESIGN - IMPROVED INSTRUMENTATION RESEARCH (RES)											
PURPOSE:	ASSESSMENT OF RELIABLE LWR IN-VESSEL LIQUID LEVEL DETECTION; EVALUATE VENDOR PROPOSED LEVEL DETECTION TECHNIQUES AT LOCA EXPERIMENT FACILITIES; AND TEST PROTOTYPE PROPOSED SYSTEMS IN THE LABORATORY.											
SCHEDULE:	(ORIGINAL) IDENTIFY WATER LEVEL INSTR. SUITABLE FOR INSTALLATION IN COMMERCIAL PLANTS - 07/81. COORDINATING WITH NRR TO COINCIDE WITH ACTION PLAN II.F.2. (CURRENT) END FY82.											
ACCOMPLISHMENTS:	.. INSTALLED WESTINGHOUSE DP SYSTEM AT SEMI-SCALE AND BEGAN TESTING. BUILT AND TESTED HEATED THERMOCOUPLER AND TORSIONAL ULTRASONIC LEVEL PROBE PROTOTYPES.											
CURRENT STATUS:	... 1. PROTYPE TESTING. ORNL AND INEL TESTED TWO TYPES OF HEATED THERMOCOULPES (HTC) LEVEL DETECTION SENSORS. ORNL TESTED HTC IN BOTH STEADY STATE AND TWO-PHASE FLOW CONDITIONS. RESULTS SHOWED HTC AS PROMISING. ORNL ALSO TESTED TORSIONAL ULTRASONIC LEVEL PROBE PROTOTYPE. 2. EVALUATION OF VENDOR SUBMITTED TECHNIQUES. RES IS HELPING NRR TO EVALUATE VENDOR PROPOSED TECHNIQUES BY TESTING THEIR VENDOR SYSTEMS IN LOCA EXPERIMENTAL FACILITIES. CE'S HTC PROTOTYPE WAS TESTED AT ORNL. THE THE TESTING OF WESTINGHOUSE DP SYSTEMS INSTALLED AT SEMI-SCALE WILL CONTINUE THROUGH FY82. EPRI'S NEUTRON MEASUREMENT SYSTEM WAS TESTED AT LOFT.											
ISSUES:											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.D.5 (5)	2	ACTIVE	RED	NO	09/84	11/20/81	RES RES	JIM JENKINS G. LEWIS	35944 35966	DF0	HFB ICB	*
TITLE:	CONTROL ROOM DESIGN - IMPROVED INSTRUMENTATION RESEARCH (RES); (DISTURBANCE ANALYSIS SYSTEMS)											
PURPOSE:	PROVIDE THE TECHNICAL BASIS FOR DEVELOPING DESIGN REQUIREMENTS, DEVELOPING REVIEW CRITERIA, AND ASSESSING THE NEED, FEASIBILITY AND ADEQUACY OF ADVANCED DIAGNOSTIC SYSTEMS.											
SCHEDULE:	(ORIGINAL) IMPROVED DISPLAY AND DIAGNOSTIC SYSTEM INSTALLED IN LOFT 05/80. INITIAL PERFORMANCE AND DESIGN CRITERIA FOR DISTURBANCE ANALYSIS SYSTEMS 08/80. ADEQUACY OF DISTURBANCE ANALYSIS SYSTEMS VERIFIED 12/82. (CURRENT) IMPROVED DISPLAY AND DIAGNOSTIC SYSTEM INSTALLED IN LOFT 02/80 (COMPLETE). INITIAL PERFORMANCE & DESIGN CRITERIA FOR DISTURBANCE ANALYSIS SYSTEMS 10/80 (COMPLETE). ADEQUACY OF PROTOTYPE DISTURBANCE ANALYSIS SYSTEMS VERIFIED 12/83.											
ACCOMPLISHMENTS:	.. NRC STAFF AND CONTRACTORS PARTICIPATED IN EPRI & DOE EFFORTS TO ESTABLISH FUNCTIONAL & DESIGN REQUIREMENTS FOR A PROTOTYPE DAS. EPRI & FOREIGN PROGRAMS TO DEVELOP AND IMPLEMENT PROTOTYPE DISTURBANCE ANALYSIS SYSTEMS HAVE BEEN REVIEWED PERIODICALLY.											
CURRENT STATUS:	... EFFORTS ARE DIRECTED TOWARD BETTER DEFINING THE OPERATING CREW'S ROLE DURING NORMAL AND ACCIDENT CONDITIONS SO THAT DISTURBANCE ANALYSIS AND SURVEILLANCE SYSTEMS CAN BE DESIGNED TO MEET THE CREW'S NEEDS FOR INFORMATION. THE ADVANCED DISPLAY AND DIAGNOSTIC SYSTEM AT LOFT IS BEING USED TO EVALUATE ALTERNATIVE DATA VALIDATION TECHNIQUES AND TO ASSIST OPERATORS IN MAKING DECISIONS DURING UPCOMING EXPERIMENTS. PROGRESS ON OTHER PROTOTYPE SYSTEMS IS BEING MONITORED. THE DELAY IN THE ASSESSMENT OF PROTOTYPE SYSTEMS IS ATTRIBUTABLE TO DELAYS IN GETTING THESE SYSTEMS OPERATIONAL IN OPERATING REACTORS (E.G. GRAFENRHEINFELD). THIS IS BEYOND THE NRC'S CONTROL.											
ISSUES: NONE											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.D.6	3	COMPLETE		NO	01/80	08/18/81	RES	RAY DI SALVO	35944	DFO	HFB	042326 *
							NRR	LED BELTRACCHI	29534	DHFS	HFEB	
							NRR	STEVE HANAUER	29595	DHFS		
							NRR	TOM MURLEY				

TITLE:..... CONTROL ROOM DESIGN - TECHNOLOGY TRANSFER CONFERENCE (RES)
 PURPOSE:..... THE CONFERENCE WAS TO CONSIDER THE PRACTICALITY OF APPLYING ADVANCED ELECTROTECHNOLOGY TO NUCLEAR POWER PLANT SAFETY AND TO IDENTIFY TECHNOLOGIES APPROPRIATE FOR FURTHER STUDY ON DEVELOPMENT.
 SCHEDULE:..... (ORIGINAL) MONTHLY STEERING COMMITTEE MEETING CULMINATING IN CONFERENCE 01/15-17/80; CONFERENCE REPORT ISSUED 06/80. (CURRENT) CONFERENCE COMPLETED CONFERENCE REPORT ISSUED.
 ACCOMPLISHMENTS:.. EIGHT PARALLEL WORKSHOPS WERE HELD AT THE CONFERENCE: SYSTEMS MANAGEMENT TECHNIQUES; RELIABILITY ENGINEERING; RISK ASSESSMENT; SOFTWARE RELIABILITY VERIFICATION & VALIDATION, SMAIL INSTRUMENTATION; OPERATIONAL AIDS-COMMAND CONTROL & COMMUNICATIONS; EDUCATION, TRAINING & SIMULATORS; & SIMULATION & ANALYSIS.
 CURRENT STATUS:... THIS ACTION IS COMPLETE. FOLLOWUP IS CONTINUING BASED ON PERSONAL CONTACTS MADE AT THE CONFERENCE.
 ISSUES:..... NONE

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.E.1	1	COMPLETE		NO	FY81	09/01/81	AEOD	CARLYLE MICHELSON	29560			*

TITLE:..... ESTABLISH OFFICE FOR ANALYSIS AND EVALUATION OF OPERATIONAL DATA (AEOD)
 PURPOSE:..... AEOD IS TO ANALYZE AND EVALUATE OPERATIONAL DATA ASSOCIATED WITH ALL NRC-LICENSED ACTIVITIES, AND TO MAKE SPECIFIC RECOMMENDATIONS FOR ACTION BY OTHER NRC OFFICES. AEOD ALSO DEVELOPS FORMAL GUIDANCE FOR THE AGENCY ON COLLECTION AND DISSEMINATION OF OPERATIONAL DATA, AND SERVES AS THE CENTRAL POINT OF COORDINATION FOR DATA COLLECTION AND ANALYSIS.
 SCHEDULE:..... (ORIGINAL) INTERIM OFFICE ESTABLISHED - 10/79. INITIAL STAFFING COMPLETE 09/80. FINAL PROCEDURES FOR OPER. DATA ANALYSIS SUBMITTED TO COMMISSION 02/81.
 ACCOMPLISHMENTS:.. THE OFFICE IS CURRENTLY REVIEWING ALL INCOMING LERS IN A SYSTEMATIC MANNER. ENGINEERING EVALUATIONS AND INDEPTH CASE STUDY ANALYSES ARE UNDERWAY. REPORTS OF ANALYSES OF SIGNIFICANT EVENTS, INCLUDING SPECIFIC RECOMMENDATIONS HAVE BEEN COMPLETED AND FORWARDED TO APPROPRIATE OFFICES FOR ACTION.
 CURRENT STATUS:... THE OFFICE IS CURRENTLY STAFFED AND FUNCTIONING IN ACCORDANCE WITH ITS PURPOSE AND SCOPE.
 ISSUES:..... NONE

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.E.2	1	COMPLETE		NO	FY80	09/01/81	AEOD	JACK HELTEMES	29560			

TITLE:..... PROGRAM OFFICE - OPERATIONAL DATA EVALUATION (AEOD)
 PURPOSE:..... CONDUCT SPECIAL OPERATIONAL SAFETY ANALYSES AND COORDINATE RESULTS WITH OPERATING EXPERIENCE ASSESSMENTS.
 SCHEDULE:..... (ORIGINAL) NRR OFFICE STAFFING - 04/80; IE OFFICE STAFFING - 11/79; RES OFFICE STAFFING 06/80;
 ACCOMPLISHMENTS:..
 CURRENT STATUS:... THE OPERATING EXPERIENCE EVALUATION BRANCH (OEEB) WHICH WAS A FOCAL POINT FOR REVIEW OF LICENSED FACILITY OPERATIONAL EXPERIENCES AND FEEDBACK OF SAFETY RELATED INFORMATION IN NRR HAS BEEN DISESTABLISHED DUE TO INCREASED DEMAND FOR MANPOWER TO SUPPORT LICENSE APPLICATION REVIEWS. THIS FUNCTION IS NOW BEING PERFORMED BY THE OPERATING REACTOR ASSESSMENT BRANCH.
 ISSUES:..... SAME ACTIVITIES DEFERRED DUE TO HIGHER PRIORITY TASKS; NMSS PROCEDURES NOT YET FINAL.

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.E.3	1	ACTIVE	GREEN	NO	FY81	01/15/82	RES	WILLIAM VESELY	35981	DRA	RMDB	

TITLE:..... OPERATIONAL SAFETY DATA ANALYSIS (RES)
 PURPOSE:..... TO STRENGTHEN WORK ON THE ANALYSIS OF EQUIPMENT FAILURE DATA, AND TO DEVELOP ERROR DATA ANALYSIS FOR NUCLEAR POWER PLANT OPERATIONS.
 SCHEDULE:..... (ORIGINAL) DATA, MODELS, AND ANALYSES ARE TO BE PROVIDED ON A CONTINUING BASIS IN RESPONSE TO AND IN ANTICIPATION OF NEEDS.
 (CURRENT) SAME
 ACCOMPLISHMENTS:.. PUBLISHED DATA SUMMARIES OF LICENSEE EVENT REPORTS OF PUMPS, CONTROL RODS, DIESEL GENERATORS, VALVES AND PENETRATIONS DURING FY1980.
 CURRENT STATUS:... CURRENT EFFORTS INCLUDE EXTRACTION OF COMPONENT FAILURE RATES, ANALYSIS OF COMMON CAUSE/Common Mode FAILURE STATISTICS, AND CHARACTERIZATION OF HUMAN ERRORS INCLUDING DEVELOPMENT OF GROSS ERROR RATE STATISTICS. INFORMATION NOT AVAILABLE IN LERS, I.E. PARTIAL FAILURES, WEAROUT BEHAVIOR, DOWNTIME DISTRIBUTIONS, IS BEING OBTAINED FROM NUCLEAR PLANT LOG BOOKS FOR USE IN STATISTICAL ANALYSES. A NEW INITIATIVE INCLUDES THE DEVELOPMENT OF PROBABILISTIC MODELS FOR IN-SERVICE COMPONENT FAILURES INCORPORATING EFFECTS OF TIME DEPENDENCE AND TESTING.
 ISSUES:.....
 NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.E.4	1	COMPLETE		NO	05/81	09/01/81	AEOD	CARLYLE MICHELSON	29560			*
TITLE:	COORDINATION OF LICENSEE, INDUSTRY, AND REGULATORY PROGRAMS (AEOD)											
PURPOSE:	INDUSTRY HAS ESTABLISHED A PROGRAM TO SYSTEMATICALLY REVIEW AVAILABLE EVENT REPORTS AND OPERATING DATA TO PROVIDE FEEDBACK TO THE LICENSEES, INCORPORATE LESSONS LEARNED INTO TRAINING PROGRAMS, AND COORDINATE REPORTING & ANALYSIS WITH OTHER APPROPRIATE ORGANIZATIONS. LICENSEES WILL BE REQUIRED TO EVALUATE THE OPERATING HISTORY OF THEIR PLANT(S) AND THOSE OF SIMILAR DESIGN.											
SCHEDULE:	(ORIGINAL) FORMAL COMMUNICATIONS CHANNELS TO BE DISCUSSED WITH INDUSTRY GROUPS - 06/80; REVIEW OF LICENSEE MODIFICATIONS & NEW LICENSEE PROCEDURES ON FEEDBACK OF OPERATING EXPERIENCE - 01/81.											
ACCOMPLISHMENTS:	MEMORANDA OF UNDERSTANDING WITH INPO AND NSAC COMPLETED IN MAY 1981. EXTENSIVE DISCUSSIONS HAVE BEEN HELD WITH INPO AND NSAC ON AREAS OF MUTUAL INTEREST.											
CURRENT STATUS:	MEMO OF AGREEMENT WITH INPO AND NRC WAS SIGNED EFFECTIVE 06/01/81. IMPLEMENTATION ACTIVITIES ARE NOW IN PROGRESS.											
ISSUES:	NONE											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.E.5	-	INACTIVE	GREEN	NO	FY81	05/06/81	RES	ROBERT DENNIG AEOD FRED HEBDON	35942	DRA	RMDB	*
TITLE:	NUCLEAR PLANT RELIABILITY DATA SYSTEM (RES)											
PURPOSE:	DETERMINE IF THERE IS NEED TO MAKE PARTICIPATION IN NPRDS MANDATORY.											
SCHEDULE:	(ORIGINAL) PUBLISH ADVANCE NOTICE OF PROPOSED RULEMAKING - 02/80; EVALUATE PUBLIC COMMENTS, DRAFT STAFF RECOMMENDATION - 07/80; SEND STAFF RECOMMENDATION TO COMMISSION - NOV., 1980. (CURRENT) INCORPORATED INTO TASK I.E.6, PREPARE DRAFT REG GUIDE AND PROPOSED RULE FOR COMMISSION CONSIDERATION BY JULY 1, 1981.											
ACCOMPLISHMENTS:	SECY 81-494 "INTEGRATED OPERATIONAL EXPERIENCE REPORTING SYSTEM" APPROVED BY COMMISSION ON SEPT. 10, 1981, DEFERRED PLANS TO MAKE NPRDS MANDATORY AS PART OF THE IOER SYSTEM. INSTEAD, INPO WILL ASSUME RESPONSIBILITY FOR MANAGEMENT, FUNDING, AND TECHNICAL DIRECTION OF NPRDS.											
CURRENT STATUS:	NOW INCLUDED IN TASK I.E.6											
ISSUES:												
COMMISSION ACTION:	NONE											

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
I.E.6	1	ACTIVE	GREEN	YES	12/82	01/30/82	AEOD	FRED HEBDON	29560			
							ELD	TOM DORIAN	28690			
							IE	ED JORDAN	28180			
							RES	BOB BERNERO	35936			
							NRR	STEVE VARGA	27810			

TITLE:..... REPORTING REQUIREMENTS FOR REACTOR OPERATING EXPERIENCE (AEOD)

PURPOSE:..... (1) UPGRADE REPORTING TO INCLUDE ALL EVENTS HAVING PUBLIC HEALTH SIGNIFICANCE,
(2) ELIMINATE REPORTING OF INSIGNIFICANT EVENTS AND FAILURES,
(3) ACHIEVE CONSISTENCY IN REPORTING AMONG LICENSEES, AND
(4) INCLUDE REPORTING ON SYSTEMS AND COMPONENTS THAT MAY HAVE SAFETY IMPLICATIONS AND ARE NOT "SAFETY RELATED."

SCHEDULE:..... (ORIGINAL) FORWARD TO THE COMMISSION A PROPOSED RULE THAT WOULD COMBINE EXISTING LICENSEE EVENT REPORT (LER) AND NUCLEAR PLANT RELIABILITY DATA (NPRD) SYSTEMS - JUNE 1981.
(CURRENT) FORWARD TO THE COMMISSION A PROPOSED RULE TO MODIFY AND CODIFY THE EXISTING LER LER SYSTEM - DECEMBER 31, 1981.

ACCOMPLISHMENTS:.. COMMISSION AFFIRMATION OF SECY 81-494 ENDORSED THE FOLLOWING ACTIONS:
(1) DEFER RULEMAKING THAT WOULD ESTABLISH THE INTEGRATED OPERATIONAL EXPERIENCE REPORTING SYSTEM (IOERS); (2) DEVELOP FOR COMMISSION REVIEW AND APPROVAL A PROPOSED RULE TO MODIFY AND CODIFY THE EXISTING LICENSEE EVENT REPORT (LER) REPORTING REQUIREMENTS AND TO ASSURE CONSISTENCY WITH 10 CFR 50.72 WHICH COVERS THE IMMEDIATE REPORTING OF SIGNIFICANT EVENTS; (3) BRING A REVISED LER RULE TO THE COMMISSION BEFORE THE END OF 1981; (4) ENDORSE THE INSTITUTE OF NUCLEAR POWER OPERATIONS PLAN TO ASSUME RESPONSIBILITY FOR THE MANAGEMENT, FUNDING, AND TECHNICAL DIRECTION OF THE NUCLEAR PLANT RELIABILITY DATA SYSTEM (NPRDS); (5) COORDINATE CLOSELY WITH INPO TO MINIMIZE DUPLICATION BETWEEN THE LER AND THE NPRDS SYSTEMS AND BETWEEN SUBSEQUENT NRC AND INPO ANALYSIS OF NPRDS DATA; (6) ENCOURAGE INPO TO ASSURE THAT THE NPRDS RECEIVES, PROCESSES, AND DISSEMINATES THE RELIABILITY DATA NEEDED BY INDUSTRY AND THE NRC TO SUPPORT PROBABILISTIC RISK AND RELIABILITY ASSESSMENT PROGRAMS; AND (7) CLOSELY MONITOR THE PROGRESS OF INPO'S MANAGEMENT OF THE NPRDS. AFTER INPO TAKES OVER THE SYSTEM, PROVIDE THE COMMISSION WITH SEMI-ANNUAL STATUS REPORTS ON THE EFFECTIVENESS OF INPO MANAGEMENT OF NPRDS AND THE RESPONSIVENESS OF NPRDS TO NRC NEEDS.

CURRENT STATUS:.. ON DECEMBER 31, 1981, THE COMMISSION PAPER (SECY-82-3) PROPOSING THE LER RULE WAS FORWARDED TO THE COMMISSION FOR AFFIRMATION.

ISSUES:..... WHETHER THE NRC SHOULD MODIFY AND CODIFY THE EXISTING LER REPORTING REQUIREMENTS IN THE MANNER PROPOSED.

COMMISSION ACTION: APPROVAL OF PROPOSED AND FINAL LER RULE.

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
I.E.7	2	ACTIVE	YELLOW	NO	FY81	01/11/82	IP	JOSEPH LAFLEUR	27131			
							AEOD	DOROTHY ZUKOR	28390			

TITLE:..... INFORMATION FOR ANALYSIS AND DISSEMINATION OF OPERATING EXPERIENCE - FOREIGN SOURCES (IP)

PURPOSE:..... TO SUPPLEMENT DOMESTIC OPERATING REACTOR EXPERIENCE, NRC IS OBTAINING OPERATING EXPERIENCE AND DESIGN INFORMATION FROM FOREIGN REACTORS. THIS INFORMATION IS THEN REVIEWED AND A DETERMINATION OF SAFETY SIGNIFICANCE AND APPLICABILITY TO DOMESTIC REACTORS IS MADE. RECOMMENDATIONS FOR CHANGES, BOTH PROCEDURAL AND/OR DESIGN, ARE MADE IF APPROPRIATE.

SCHEDULE:..... (ORIGINAL) INITIATE NEA EXCHANGE - JUNE 30, 1980; CONCLUDE BILATERAL AGREEMENTS - DECEMBER 30, 1980. (CURRENT) SAME AS ACCOMPLISHMENTS.

ACCOMPLISHMENTS:.. NEA EXCHANGE INITIATED DURING 1980; NEA IS SENDING INFORMATION TO NRC ON OPERATING EVENTS AND INCIDENTS ON A ROUTINE BASIS. BILATERAL EXCHANGE ARRANGEMENTS CONCLUDED OR IMPLEMENTED WITH MEXICO (CHSNS), CHINA (PRC) AND EGYPT (EAEA) DURING 1981 AND RENEWED WITH THE FRG, ITALY, KOREA, AND THE U.K.

CURRENT STATUS:.. IP EFFORT TO DEVELOP AND EXPAND THIS PROGRAM HAS BEEN HAMPERED BY THE DETAIL OF TWO TECHNICAL STAFF MEMBERS TO NRR SINCE MARCH 1981.

ISSUES:.....

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.E.8	2	ACTIVE	GREEN	NO	FY82	11/20/81	RES	JAMES PITTMAN	35942	DF0	HFB	*
TITLE:	HUMAN ERROR RATE ANALYSIS (RES)											
PURPOSE:	TO BETTER UNDERSTAND THE MAN/MACHINE INTERFACE AND THE IMPACT ON SAFETY SYSTEM AVAILABILITY IN NUCLEAR POWER PLANTS.											
SCHEDULE:	(ORIGINAL) PUBLISHED THE 2ND WORKING DRAFT OF THE HANDBOOK OF HUMAN RELIABILITY ANALYSIS WITH EMPHASIS ON NUCLEAR POWER PLANT APPLICATIONS, NUREG/CR-1278 (10/80)											
ACCOMPLISHMENTS:	TWO NUREGS ON THE INITIAL QUANTIFICATION OF HUMAN ERRORS ASSOCIATED WITH REACTOR SAFETY SYSTEM COMPONENTS, AND A SENSITIVITY STUDY OF DEPENDENCE OF WASH-1400 RESULTS ON HUMAN ERROR WERE PUBLISHED IN 01/81.											
CURRENT STATUS:	THE HANDBOOK HAS BEEN GIVEN EXTENSIVE DISTRIBUTION FOR PEER REVIEW. A DETAILED PROCEDURE FOR USE OF EXPERT JUDGEMENT TO DERIVE HUMAN ERROR PROBABILITIES IS BEING DEVELOPED ALONG WITH APPROACHES TO QUANTIFY THE CRITICALITY OF PERFORMANCE SHAPING FACTORS FOR QUICK-RESPONSE RISKS ASSESSMENTS. HUMAN ERROR RATES FOR VALVE MISCONFIGURATIONS/ELECTRICAL SYSTEMS AND FOR PUMP FAILURES TO START ARE BEING ANALYZED TO IDENTIFY ANY PATTERNS OF ANOMALIES WHICH ARE RELATED TO SPECIFIC PLANTS, TYPE OF PROCEDURE, OR OTHER PERFORMANCE SHAPING FACTORS.											
ISSUES:	THE FINAL PUBLICATION OF NUREG/CR-1278 WILL BE DELAYED UNTIL SEPTEMBER 1982 TO PERMIT INCORPORATION OF PEER REVIEWS AND EXPERT JUDGEMENTS DONE IN FY81 AND RESULTS OF THE IREP (INTERIM REVIEW AND EVALUATION PROGRAM) ANALYSIS OF CALVERT CLIFFS NPP.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.F.1	2	ACTIVE	GREEN	NO	12/83	11/20/81	RES	STEVEN RICHARDSON	35942	DF0	HFB	*
TITLE:	QUALITY ASSURANCE - EXPAND QA LIST (RES)											
PURPOSE:	DEVELOP GUIDANCE TO EXPAND QA LIST TO INCLUDE ALL PLANT ITEMS IMPORTANT TO SAFETY.											
SCHEDULE:	(ORIGINAL) ISSUE REGULATORY GUIDES 9/83 AND IMPLEMENTATION 12/83. (CURRENT) SAME											
ACCOMPLISHMENTS:	NONE											
CURRENT STATUS:	A) RULE CHANGE IN PROCESS TO DEFINE APPLICABILITY OF APPENDIX B TO APPENDIX A. B) QAB REQUIRING EXPANDED QA LIST FOR SPECIAL PLANTS (TMI-1 RESTART, ZION 1&2 AND INDIAN POINTS 2&3)											
ISSUES:	NONE											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.F.2	-	INACTIVE	GREEN	NO	FY82	11/20/81	RES	STEVEN RICHARDSON	35942	DF0	HFB	*
TITLE:	QUALITY ASSURANCE - DEVELOP MORE DETAILED QA CRITERIA (RES)											
PURPOSE:	RES WILL DEVELOP MORE DETAILED QA CRITERIA FOR DESIGN, CONSTRUCTION, AND OPERATIONS.											
SCHEDULE:	(ORIGINAL) DECISION GROUP D ITEM. SCHEDULE WILL BE DEVELOPED. (CURRENT) SAME											
ACCOMPLISHMENTS:	NONE											
CURRENT STATUS:	ACTION ON TASK NOT YET SCHEDULED.											
ISSUES:	NONE											
COMMISSION ACTION:	NONE											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.G.1	2	REQUIREMENT	GREEN	NO	FY81	05/07/81	NRR	DAVE VERRELLI NRR DONALD FISCHER	28434 24578	DL DHFS	ORAB PTRB	*
TITLE:	TRAINING REQUIREMENTS - PREOPERATIONAL AND LOW-POWER TESTING (NRR)											
PURPOSE:	NEAR-TERM OPERATING LICENSE FACILITIES WILL BE REQUIRED TO DEVELOP AND IMPLEMENT NECESSARY ADDITIONAL AND INTENSIFIED TRAINING EXERCISES DURING THE LOW-POWER TESTING PROGRAM.											
SCHEDULE:	(ORIGINAL) PROGRAM REQUIRED ON ALL NTOL'S; A PROGRAM IS REQUIRED PRIOR TO FUEL LOAD AND THE TESTING, TRAINING REQUIRED PRIOR TO ISSUANCE OF FULL POWER LICENSE. (CURRENT) SAME											
ACCOMPLISHMENTS:	TRAINING/TESTING COMPLETE ON 3 NTOL'S: NORTH ANNA 2, SEQUOYAH, AND SALEM. SER'S HAVE ALSO BEEN PREPARED FOR DIABLO CANYON, FARLEY, MCGUIRE, LASALLE, SAN ONOFRE 2, SUMMER, AND ZIMMER.											
CURRENT STATUS:	IMPLEMENTING ON ALL NTOL'S PER LICENSING SCHEDULE.											
ISSUES:	THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
I.G.2	2	INACTIVE	GREEN	NO	FY83	01/15/82	NRR IE	DONALD FISCHER RICHARD WESSMAN	24578 24900	DHFS EIS	PIRB EB	*
TITLE:	SCOPE OF TEST PROGRAM - PREOPERATIONAL AND LOW-POWER TESTING (NRR)											
PURPOSE:	AN INTEROFFICE REASSESSMENT OF SRP, CHAPTER 14, REGULATORY GUIDE 1.68, AND RELATED TEST PROGRAM GUIDANCE WILL BE DONE TO DETERMINE WHETHER REQUIREMENTS FOR FULLY COMPREHENSIVE PROGRAMS EXIST.											
SCHEDULE:	(ORIGINAL) FY 82 (OR LATER) - INITIATE WORK. (CURRENT) SAME											
ACCOMPLISHMENTS:	N/A											
CURRENT STATUS:	N/A											
ISSUES:	N/A											

TMI ACTION PLAN TRACKING SYSTEM (APTS)

JANUARY 1982 ISSUE

CHAPTER II ACTION ITEMS (RUN DATE: 01/30/82)

SUMMARY OF ACTION ITEMS:

CHAPTER II:	<u>182</u>	(SITING AND DESIGN)		
NRR LEAD :	<u>150</u>		PRIORITY '1' ITEMS :	<u>133</u>
IE LEAD :	<u>9</u>		PRIORITY '1' ITEMS :	<u>2</u>
RES LEAD :	<u>23</u>		PRIORITY '1' ITEMS :	<u>9</u>
OTHER LEAD :	<u>0</u>		PRIORITY '1' ITEMS :	<u>0</u>

(OFFICE BREAKDOWN FOLLOWS NUMBERS - NRR,IE,RES,OTHER)

COMPLETE :	<u>57</u>	(50,4,3,0)
RED ITEMS :	<u>7</u>	(5,0,2,0)
YELLOW ITEMS :	<u>22</u>	(13,0,9,0)
GREEN ITEMS :	<u>96</u>	(82,5,9,0)
TOTAL :	<u>182</u>	(150,9,23,0)

PRIORITY '1' ITEMS:	<u>53</u>	(50,2,1,0)
PRIORITY '1' ITEMS:	<u>4</u>	(3,0,1,0)
PRIORITY '1' ITEMS:	<u>15</u>	(12,0,3,0)
PRIORITY '1' ITEMS:	<u>72</u>	(68,0,4,0)
TOTAL :	<u>144</u>	(133,2,9,0)

*REQUIREMENT :	<u>52</u>	(52,0,0,0)
*INACTIVE :	<u>43</u>	(38,1,4,0)

PRIORITY '1' ITEMS :	<u>48</u>	(48,0,0,0)
PRIORITY '1' ITEMS :	<u>31</u>	(29,0,2,0)

* THESE ITEMS ARE NOT MUTUALLY EXCLUSIVE WITH RESPECT TO THE OTHER CATEGORIES.

COMMENTS:

01/30/82 (CHAPTER II - SITING AND DESIGN)

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
II.A.1	2	INACTIVE	GREEN	YES		FY82	01/12/82	NRR	JAN NORRIS	24908	DE	SAB	005365 *
TITLE:.....	SITING POLICY REFORMULATION (NRR)												
PURPOSE:.....	PROVIDE TECHNICAL SUPPORT FOR ESTABLISHING, THROUGH RULEMAKING, (1) NUMERICAL CRITERIA FOR POPULATION DENSITY AND DISTRIBUTION, (2) NUMERICAL VALUES FOR STANDOFF CRITERIA FOR CERTAIN OFFSITE HAZARDS, AND (3) OTHER OBJECTIVES CONTAINED IN NUREG 0625 WITH EXCEPTION OF RECOMMENDATIONS 4 AND 9.												
SCHEDULE:.....	(ORIGINAL) PREPARE WORK SCOPE - 06/80; INITIATE CONTRACTORS EFFORT - 06/80; FIRST CUT (TECHNICAL BASIS) ON CRITERIA - 11/80; FINAL NRR INPUT TO PROPOSED RULE - TO BE ESTABLISHED AFTER CONTRACT IS LET; PUBLISH PROPOSED RULE - TO BE ESTABLISHED JOINTLY WITH RES; PUBLIC FINAL RULE - TO BE ESTABLISHED JOINTLY WITH RES.												
ACCOMPLISHMENTS:..	(CURRENT) SAME												
	05/80 - DRAFT WORK SCOPE IS BEING CIRCULATED WITHIN THE STAFF FOR COMMENTS. INITIAL CONTACTS AND TALKS WITH POTENTIAL CONTRACTORS HAVE BEEN HELD. 06/80 - DESCRIPTION OF WORK SCOPE IS COMPLETE. CONTRACTUAL PACKAGE IS PRESENTLY IN THE CONCURRENCE CHAIN. THE PACKAGE CONTAINS NRC FORM 173, THE WORK SCOPE, AND FUNDING AUTHORIZATION, TO IMMEDIATELY START WORK, IN THE AMOUNT OF \$150,000. 07/80 - SANDIA NATIONAL LAB (SNL) WAS FUNDED \$150,000 TO IMMEDIATELY START WORK. BALANCE OF FUNDING TO FOLLOW AN ACCEPTABLE FORM 189. CONSEQUENCE MODEL OF CRAC CODE IS CURRENTLY BEING MODIFIED BY SNL AND PAS FOR THE STUDY. SNL ENGAGED SAI TO ASSIST IN DATA PROCESSING AND IS PRESENTLY NEGOTIATING AN AGREEMENT WITH DAMES & MOORE TO CONDUCT IMPACT STUDIES.												
CURRENT STATUS:...	TECHNICAL STUDY ESSENTIALLY COMPLETED. TENTATIVE PROPOSED CRITERIA SUBMITTED TO MANAGEMENT FOR ENDORSEMENT. IN FY82 BUDGET THIS TASK WAS CLASSIFIED AS PRIORITY 2, WITH THE RESULTING NONAVAILABILITY OF FUNDS FOR FOLLOW-UP WORK. ACCORDINGLY, ALL WORK WILL BE SUSPENDED INDEFINITELY.												
ISSUES:.....	NONE TO DATE.												
COMMISSION ACTION:	REVIEW												

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
II.A.2	2	INACTIVE	YELLOW	YES		FY82	01/12/82	NRR	JAN NORRIS	24908	DE	SAB	005365 *
TITLE:.....	SITE EVALUATION OF EXISTING FACILITIES (NRR)												
PURPOSE:.....	PREPARE AN ANALYSIS FOR COMMISSION DECISION OF THE NRC STAFF PLANS TO RECONSIDER, WITH REGARD TO THE REVISED SITING POLICY, FACILITIES EITHER UNDER CONSTRUCTION OR OPERATING. THE ANALYSIS WOULD TAKE AS A POINT OF DEPARTURE THE CRITERIA EXPRESSED IN THE PROPOSED RULE ON SITING (ITEM II.A.1) AND WOULD ADDRESS A STRATEGY FOR CONSIDERATION OF SITING DECISIONS OF PLANTS THAT HAVE CONSTRUCTION PERMITS OR OPERATING LICENSES.												
SCHEDULE:.....	(ORIGINAL) INITIATION OF STUDY - 08/80; FINAL INPUT FROM TAP II.A.1 - 11/80; STAFF PAPER - 01/81.												
ACCOMPLISHMENTS:..	(CURRENT) DELAYED - ALL WORK SUSPENDED. NO WORK PLANNED FOR IMMEDIATE FUTURE. THE FOLLOWING WORK SCOPE HAS BEEN DEVELOPED:												
	(1) USING THE RESULTS FROM TAP II.A.1 (I.E. THE NEW SITING POLICY AND CRITERIA), PERFORM SURVEY OF ALL OPERATING REACTOR SITES AND DETERMINE WHETHER, AND TO WHAT DEGREE, THESE SITES FAIL THE NEW CRITERIA.												
	(2) FOR SPECIFIC SITES THAT DO NOT MEET THE NEW CRITERIA, DETERMINE THE SAFETY SIGNIFICANCE OF THE VARIANCE BY CONSIDERING THE NATURE AND DEGREE OF NON-COMPLIANCE.												
	(3) DETERMINE, ON A CASE-BY-CASE BASIS, WHAT ACTIONS, IF ANY, NEED TO BE TAKEN TO MITIGATE AND/OR COMPENSATE FOR SUCH DEFICIENCIES.												
	(4) EXTEND THE ABOVE PROGRAM TO SITES IN THE LICENSING PROCESS.												
CURRENT STATUS:...	TAP II.A.1 HAS TO BE ESSENTIALLY COMPLETED BEFORE THIS CAN PROCEED. WORK PLANS ARE IN PLANNING STAGES. NO EFFORT WILL BE EXPENDED UNTIL FALL OF 1981. FY82 BUDGET ASSIGNED PRIORITY 2 TO TAP II.A.2 WITH THE RESULTING NONAVAILABILITY OF FUNDS. ACCORDINGLY, ALL WORK WILL BE SUSPENDED INDEFINITELY.												
ISSUES:.....	NONE TO DATE.												
COMMISSION ACTION:	REVIEW												

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
II.B.1	2	REQUIREMENT	GREEN	NO	05/82	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	042202 *
							NRR	VINCE PANCIERA	29462	DSI	ASB	
TITLE:.....	SAFETY REVIEW CONSIDERATION - REACTOR COOLANT SYSTEM VENTS (NRR)											
PURPOSE:.....	TO VENT NONCONDENSIBLE GASES FROM THE REACTOR COOLANT SYSTEM.											
SCHEDULE:.....	(ORIGINAL) INSTALL SYSTEM 01/81.											
	(CURRENT) SUBMIT DESIGN & ANALYSES 07/81; INSTALL SYSTEM 07/82.											
ACCOMPLISHMENTS:..	REQUIREMENTS ISSUED IN NUREG-0737. (11/80)											
CURRENT STATUS:...	DESIGN INFORMATION DUE 07/81. REVIEWS INITIATED.											
ISSUES:.....	THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS)											

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
II.B.2	2	REQUIREMENT	GREEN	NO	01/82	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	043300 *
							NRR	FRANK SKOPEC	29436	DSI	RAB	
							RES	DAVE PYATT	35960	DRA	RRBR	
TITLE:.....	SAFETY REVIEW CONSIDERATION - PLANT SHIELDING TO PROVIDE POST-ACCIDENT ACCESS TO VITAL AREAS (NRR)											
PURPOSE:.....	ASSURE THERE WILL BE ADEQUATE ACCESS TO VITAL AREAS TO MITIGATE THE CONSEQUENCES OF AN ACCIDENT AND TO ASSURE OPERATION OF SAFETY EQUIPMENT.											
SCHEDULE:.....	(ORIGINAL) ISSUE DRAFT GUIDE FOR INTER-OFFICE COMMENTS - 10/80; GUIDE TO BE SENT TO ACRS - 12/80; ISSUE GUIDE FOR COMMENTS - 03/81.											
	(CURRENT) LICENSEES DOCUMENT ANALYSIS RESULTS (VITAL AREAS) 01/81; COMPLETE MODIFICATIONS (VITAL AREAS) 01/82; EQUIPMENT QUALIFICATION COMMISSION ORDER 11/80, COMPLETE MODIFICATIONS 06/82.											
ACCOMPLISHMENTS:..	CATEGORY A SERS, 3/80; CLARIFICATION IN NUREG-0737, 11/80.											
CURRENT STATUS:...	THE ONLY REQUESTED DEVIATION TO POSITION IS BIG ROCK POINT; EVALUATION IS PART OF PRA.											
ISSUES:.....	THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS)											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.B.3	2	REQUIREMENT	GREEN	NO	10/82	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
							NRR	PHIL MATTHEWS	28301	DE	CEB	
TITLE:	SAFETY REVIEW CONSIDERATION - POST-ACCIDENT SAMPLING (NRR)											
PURPOSE:	REQUIRE LICENSEES TO HAVE CAPABILITY TO OBTAIN REACTOR COOLANT AND CONTAINMENT ATMOSPHERE SAMPLES AND PERFORM ANALYSES AFTER AN ACCIDENT IN ORDER TO DETERMINE RELEASE OF FISSION PRODUCTS FROM CORE TO REACTOR COOLANT AND/OR CONTAINMENT.											
SCHEDULE:	(ORIGINAL) NUREG-0578 PUBLISHED 01/81. (CURRENT) COMPLETE MODIFICATIONS 01/82.											
ACCOMPLISHMENTS:	NUMEROUS MEETINGS HAVE BEEN HELD WITH SYSTEM VENDORS AND UTILITIES TO DISCUSS PROPOSED DESIGNS.											
CURRENT STATUS:	OPERATING PLANTS AND OL APPLICANTS MUST COMPLETE MODIFICATIONS BY JANUARY 1982. NRC POSITION IS DESCRIBED IN FINAL CLARIFICATION LETTER, NUREG-0737, ISSUED 10/31/80. REVIEWS ARE LIMITED TO REQUESTS FOR DEVIATION TO POSITION.											
ISSUES:	THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.B.4	1	REQUIREMENT	GREEN	NO	FY81	01/15/82	NRR	DAVE VERRELLI	28434	DL	ORAB	*
							NRR	JOE MCMILLEN	27476	HFS	OLB	
							IE	SAM BRYAN	29644	DPDA	PDB	
TITLE:	SAFETY REVIEW CONSIDERATION - TRAINING TO MITIGATE CORE DAMAGE (NRR)											
PURPOSE:	REQUIRE THE DEVELOPMENT OF TRAINING PROGRAMS IN THE USE OF SYSTEMS TO MITIGATE ACCIDENTS IN WHICH THE CORE MAY BE DAMAGED.											
SCHEDULE:	(ORIGINAL) ESTABLISH REQUIREMENTS AND GUIDELINES BY 10/80. (CURRENT) ISSUED REQUIREMENTS AND GUIDELINES MARCH 28, 1980. PROGRAM IMPLEMENTED IN OPERATING REACTORS - 10/81.											
ACCOMPLISHMENTS:	PROGRAMS HAVE BEEN REVIEWED FOR NTOL PLANTS. REVIEWS FOR OPERATING PLANTS ARE BEING SCHEDULED.											
CURRENT STATUS:	UNDER REVIEW											
ISSUES:	THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO. WILL BE TRANSFERRED TO I.A.2.7.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.B.5	(1)	2	ACTIVE	GREEN	NO	FY87	01/15/82	RES	MEL SILBERBERG	74266	DAE	FBB	*
TITLE:	SAFETY REVIEW CONSIDERATION - RESEARCH ON PHENOMENA ASSOCIATED WITH DEGRADED CORE (RES)												
PURPOSE:	(RES) (BEHAVIOR OF SEVERELY DAMAGED CORE - IN-PILE STUDIES) DETERMINE CHARACTERISTICS OF FORMATION AND PROPERTIES AND COOLABILITY OF DEBRIS PRODUCED BY A DISINTEGRATING LWR CORE DAMAGED BEYOND PRESENT DESIGN BASIS ACCIDENT LIMITS TO PROVIDE BASES FOR CRITERIA FOR ACCIDENT MANAGEMENT AND IMPROVED RISK ASSESSMENT.												
SCHEDULE:	(ORIGINAL) NOT PROVIDED. (CURRENT) COMPLETE SCDAP MOD 0 7/81; COMPLETE FIVE SEVERE FUEL DAMAGE TESTS IN BUNDLES 12/83; COMPLETE DATA ANALYSES, CHARACTERIZATION OF DEBRIS 05/84; ISSUE TOPICAL REPORTS ON SEVERE FUEL DAMAGE TESTS 09/84.												
ACCOMPLISHMENTS:	09/80 - CONCEPTUAL TEST DESIGN COMPLETED, CONCEPTUAL DESIGN OF TEST TRAIN COMPLETED, INITIATED. PLANNING/DESIGN FOR COMPLEMENTARY ACRR EXPTS ON DEBRIS FORMATION AND COOLABILITY 11/81 - COMPLETE INITIAL ACRR SEPARATE EFFECTS EXPTS. 12/81 - DETAIL DESIGN OF TEST TRAIN COMPLETED.												
CURRENT STATUS:	REQUIREMENTS FOR TEST TRAIN DESIGN AND CONSTRUCTION HAVE BEEN SET, CONCEPTUAL DESIGN OF TEST TRAIN COMPLETED, DETAILED DESIGN COMPLETED AND FABRICATION UNDERWAY. TEST MATRIX ESTABLISHED FOR INITIAL PHASE OF TEST. EXPERIMENTAL PROGRAM COORDINATED WITH OTHER SEVERE ACCIDENT STUDIES IN NRC, PNS/KFK, JAERI, EEC (ESSOR). FUEL TESTING TASK FORCE ESTABLISHED TO REVIEW & RECOMMEND SEVERE FUEL DAMAGE PROGRAM AND TIMING FOR DEGRADED CORE COOLING RULE IN THE CONTEXT OF ISSUES. TO BE REVISED WHEN TASK FORCE REPORT IS PUBLISHED IN 01/82 AS NUREG-0840.												
ISSUES:	FUNDS LIMITATIONS SLOW CONDUCT OF TEST MATRIX, EXTEND TIME SCALE OF PROGRAM. SIMILAR TESTS HAVE NEVER BEEN CONDUCTED BEFORE EXCEPT AT TMI-2. LIMITED INFORMATION AVAILABLE FOR PLANNING TEST AND PREDICTING RESULTS.												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.B.5	(2)	2	ACTIVE	YELLOW	NO	FY81	01/15/82	RES	CHARLES KELBER	74320	DAE		*
TITLE:	SAFETY REVIEW CONSIDERATION - RESEARCH ON PHENOMENA ASSOCIATED WITH DEGRADED CORE (RES)												
PURPOSE:	TO SUPPLY BASIC DATA AND METHODS FOR ASSESSMENT OF THE CONSEQUENCES OF ACCIDENTS IN WHICH THE NUCLEAR CORE LOSES ITS ORIGINAL GEOMETRY AND, POSSIBLY, EFFECTIVE COOLING. THE SCOPE INCLUDES DATA AND METHODS RELATED TO THE ASSESSMENT OF MITIGATING FEATURES AS WELL AS CONSEQUENCES.												
SCHEDULE:	(ORIGINAL) DRAFT PROGRAM PLAN FOR INTER-OFFICE REVIEW 06/80. NRR REVIEW FOR DRAFT PROGRAM PLAN 09/80. (CURRENT) FIRST LARGE SCALE POUR OF MOLTEN FUEL 09/81. DRAFT PROGRAM PLAN FOR INTER-OFFICE REVIEW 06/80. NRR REVIEW OF DRAFT PROGRAM PLAN - DELAYED. DEGRADED CORE COOLING STEERING GROUP REVIEW COMPLETED 03/81. TECH. BASES REPORT OF F. P. BEHAVIOR (DRAFT NUREG-0772) COMPLETED, PEER REVIEWED AND PUBLISHED. REPORT PROVIDES BASES FOR CONSISTENT TREATMENT OF ACCIDENT SOURCE TERMS FOR RULES AND POLICIES PER DRAFT 0771 (REG. IMPACT). FINAL REPORT PUBLISHED IN JUNE 1981. QUANTITATIVE ACCIDENT SOURCE TERM INITIATED SEPTEMBER, 1981 AS NUREG-0772 FOLLOW-ON WITH COMPLETION SCHEDULED FOR FIRST QUARTER, 1983, CONSISTENT WITH PPG REQUIRE- MENT FOR SOURCE TERM REASSESSMENT IN EARLY 1983.												
ACCOMPLISHMENTS:	THE ZION/INDIAN POINT STUDY, NUREG/CR 1409, 1410, 1411, PUBLISHED IN APRIL 1980, SUMMARIZES THE APPLICATION OF CURRENT TECHNOLOGY TO LICENSING PROBLEMS ENCOUNTERED IN THE CONTINUING REVIEW OF ZION AND INDIAN POINT. THE LARGE SCALE FURNACE WAS TESTED AT FULL SCALE IN MAY 1980.												
CURRENT STATUS:	PROGRAM PLAN HAS BEEN INCLUDED IN A PROPOSED COMMISSION PAPER ON SEVERE ACCIDENT RULE. COMMISSION PAPER IS IN FINAL DRAFT (11/20/81). IF COMMISSION PAPER DOES NOT GO FORWARD, THE PROGRAM PLAN WILL BE EXTRACTED AND PUBLISHED AS A RESEARCH PLAN. NRR REVIEW OF THIS WORK WAS INCORPORATED INTO THE DEGRADED CORE COOLING STEERING GROUP REVIEW. THE STEERING GROUP (DCC) ISSUED ITS ACTION PLAN 3/30/81.												
ISSUES:	CURRENT RESOURCES WILL PROVIDE RESULTS ON 5-6 YEAR TIME FRAME. THIS IS INCONSISTENT WITH CURRENT RULEMAKING SCHEDULE. PROGRAMS ON SOURCE TERM HAVE BEEN RE-SCHEDULED, OTHERS WILL BE RESCHEDULED AS FEASIBLE IN APRIL TO ALLOW FASTER PACE IN RULEMAKING.												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.B.5	(3)	2	ACTIVE	GREEN	NO	02/82 11/20/81	RES	GUNTER ARNDT	35860	DET	MSEB	
TITLE: SAFETY REVIEW CONSIDERATION - RESEARCH ON PHENOMENA ASSOCIATED WITH DEGRADED CORE (RES) (EFFECT OF HYDROGEN BURNING AND EXPLOSIONS ON CONTAINMENT STRUCTURE)												
PURPOSE: INVESTIGATE THE DYNAMIC RESPONSE OF CONTAINMENTS TO RAPID HYDROGEN BURNS. THIS EFFORT INCLUDES DYNAMIC ANALYSES OF CONTAINMENTS FOR BOTH LINEAR ELASTIC AND NON-LINEAR RESPONSE. SIMPLIFIED MODELS, SUITABLE FOR USE IN PROBABILISTIC STUDIES, WILL ALSO BE DEVELOPED.												
SCHEDULE: (ORIGINAL) BEGIN 09/80 COMPLETION - 02/82												
ACCOMPLISHMENTS: CONTRACT UNDERWAY AT MIT												
CURRENT STATUS: ON SCHEDULE												
ISSUES: NONE												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.B.6		1	ACTIVE	RED	YES	FY83 01/18/82	NRR	JAMES MEYER	24409	DSI	RSB	
TITLE: RISK REDUCTION FOR OPERATING REACTORS AT SITES WITH HIGH POPULATION (ZION 1&2/IP 2&3)												
PURPOSE: REVIEW OPERATING REACTORS LOCATED IN AREAS OF HIGH POPULATION DENSITY TO DETERMINE WHAT ADDITIONAL MEASURES AND/OR DESIGN CHANGES CAN AND SHOULD BE IMPLEMENTED THAT WILL FURTHER REDUCE THE PROBABILITY OF A SEVERE REACTOR ACCIDENT AND WILL REDUCE THE CONSEQUENCES OF SUCH AN ACCIDENT BY REDUCING THE AMOUNT OF RADIOACTIVE RELEASES AND/OR BY DELAYING ANY RADIOACTIVE RELEASES AND THEREBY PROVIDE ADDITIONAL TIME FOR EVACUATION NEAR SITES.												
SCHEDULE: (ORIGINAL)												
02/20/80 - LICENSEES SUBMIT RESULTS OF THEIR PRELIMINARY EVALUATION.												
03/15/80 - LICENSEES UNDERTAKE DESIGNS FOR "MITIGATION FEATURES".												
04/15/80 - NRC ISSUE PRELIMINARY DESIGN CRITERIA, BASES, AND PERFORMANCE CRITERIA FOR "MITIGATION FEATURES".												
07/15/80 - NRC ISSUE COMPLETE SET OF DESIGN CRITERIA, BASES, AND PERFORMANCE CRITERIA.												
10/01/80 - LICENSEES COMPLETE DESIGNS.												
12/31/80 - NRC COMPLETE EVALUATIONS OF LICENSEE DESIGNS.												
(CURRENT)												
02/20/80C - LICENSEES SUBMIT RESULTS OF THEIR PRELIMINARY EVALUATION.												
03/15/80C - LICENSEES UNDERTAKE DESIGN FOR "MITIGATION FEATURES."												
09/17/81C - ZION LICENSEE COMPLETES EVALUATION AND SUBMITS SAFETY STUDY FOR NRC REVIEW.												
11/13/81C - NRC ISSUES NUREG-0850, VOL 1, "PRELIMINARY ASSESSMENT OF CORE MELT ACCIDENTS AT THE ZION AND INDIAN POINT NUCLEAR POWER PLANTS AND STRATEGIES FOR MITIGATING THEIR EFFECTS," VOL 1 - "ANALYSIS OF CONTAINMENT BUILDING FAILURE MODES." (SECY-81-651).												
02/15/82 - INDIAN POINT LICENSEE COMPLETES ITS EVALUATION AND SUBMITS SAFETY STUDY FOR NRC REVIEW.												
09/18/82 - INDIAN POINT HEARING BOARD'S RECOMMENDATIONS DUE TO COMMISSION (START DATE OF HEARING NOT YET DETERMINED).												
11/01/82 - NRC ISSUE FINAL REPORT FOLLOWING REVIEW OF LICENSEES' EVALUATIONS.												
ACCOMPLISHMENTS: COMPLETED MILESTONES ARE INDICATED IN "SCHEDULE" SECTION ABOVE.												
CURRENT STATUS: CURRENT STATUS IS INDICATED IN "SCHEDULE" SECTION ABOVE.												
ISSUES: FINAL STAFF EVALUATION CANNOT BE COMPLETED WITHOUT FINAL UTILITY EVALUATIONS. UTILITY EVALUATIONS HAVE BEEN DELAYED APPROXIMATELY ONE YEAR. THE ZION EVALUATION WAS SUBMITTED ON 09/17/81 AND THE INDIAN POINT EVALUATION IS NOT SCHEDULED FOR SUBMISSION UNTIL 02/15/82. ON 01/08/81 THE COMMISSION ISSUED AN ORDER (REVISED 09/18/81) DIRECTING THAT A HEARING BE CONDUCTED IN THE VICINITY OF INDIAN POINT 2&3. A HEARING BOARD HAS BEEN APPOINTED; HOWEVER, NO HEARING SCHEDULE HAS YET BEEN ESTABLISHED. THE HEARING IS TO ADDRESS THE ISSUE OF REACTOR RISK AND OPERATION IN AREAS OF HIGH POPULATION DENSITY.												
COMMISSION ACTION: INDIAN POINT HEARING BOARD'S RECOMMENDATIONS DUE TO COMMISSION ON 09/18/82.												
NOTE: A REVISED BASELINE SCHEDULE AND SCOPE OF WORK WAS REQUESTED TO REFLECT CURRENT RESOURCES AND PRIORITIES. SEE MEMORANDUM FROM H. DENTON TO W. DIRCKS, DATED 01/05/82. THIS ITEM IS INCLUDED IN NRR'S OPERATING PLAN FOR FY82 UNDER OPERATING REACTORS VICE SAFETY TECH.												
IF CHANGE REQUEST IS APPROVED, FLAG WILL CHANGE TO GREEN.												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.B.7	1	COMPLETE	NO		FY81	08/18/81	NRR	CHARLES TINKLER NRR J. LONG	29421	DSI	CSB RSB	042848 *
TITLE:	SAFETY REVIEW CONSIDERATION - ANALYSIS OF HYDROGEN CONTROL (NRR)											
PURPOSE:	ESTABLISH THE TECHNICAL BASIS FOR THE INTERIM HYDROGEN CONTROL REQUIREMENTS ON SMALL CONTAINMENT STRUCTURES AND TO ESTABLISH THE BASIS FOR CONTINUED OPERATION AND LICENSING OF PLANTS PENDING LONG TERM RESOLUTION OF THE HYDROGEN CONTROL ISSUE.											
SCHEDULE:	(ORIGINAL) NO PUBLISHED SCHEDULE. (CURRENT) SAME											
ACCOMPLISHMENTS:	ISSUED COMMISSION PAPERS (SECY-80-107, - 80-107A AND -80-107B) (2/22/80, 4/22/80, 6/20/80).											
CURRENT STATUS:	THE STAFF ACTION ON ITEM II.B.7 WAS COMPLETE WITH ISSUANCE OF THE COMMISSION PAPERS WHICH DISCUSSED THE TECHNICAL BASIS FOR: 1) STAFF POSITION ON INTERIM HYDROGEN CONTROL REQUIREMENTS (INERTING) FOR SMALL CONTAINMENTS; AND 2) CONTINUED OPERATION AND LICENSING OF NUCLEAR PLANTS PENDING THE RULEMAKING PROCEEDING AS DISCUSSED IN ITEM II.B.8. FUTURE WORK RELATED TO THIS ISSUE WILL BE UNDERTAKEN AS PART OF ITEM II.B.8 OF THE ACTION PLAN.											
ISSUES:												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.B.8	2	ACTIVE	RED	YES	12/83	11/20/81	RES	MORTON FLEISHMAN NRR JAMES MEYER	35981 27943	DRA DSI	RAB RSB	042849 *
TITLE:	SAFETY REVIEW CONSIDERATION - RULEMAKING PROCEEDING ON DEGRADED-CORE ACCIDENTS (RES)											
PURPOSE:	DETERMINE TO WHAT EXTENT COMMERCIAL NUCLEAR POWER PLANTS SHOULD BE DESIGNED TO COPE WITH REACTOR ACCIDENTS BEYOND THOSE CONSIDERED IN THE CURRENT "DESIGN BASIS ACCIDENT" APPROACH.											
SCHEDULE:	(ORIGINAL) ADVANCE NOTICE FOR RULEMAKING - 10/80; PROPOSED INTERIM RULE FOR H2 CONTROL, ETC. - 10/80; FINAL INTERIM RULE FOR H2 CONTROL, ETC. 03/81; (CURRENT) FINAL RULE FOR HYDROGEN CONTROL (INERTING) 09/81; PROPOSED INTERIM RULE FOR H2 CONTROL (MARK III'S & ICE CONDENSER) (09/81); FINAL INTERIM RULE FOR H2 CONTROL 3/82; PROPOSED RULE FOR DEGRADED COOLING - 12/82; FINAL RULE FOR DEGRADED COLLING - 12/83.											
ACCOMPLISHMENTS:	ADVANCE NOTICE FOR RULEMAKING FOR DEGRADED COOLING AND PROPOSED INTERIM RULE FOR HYDROGEN CONTROL AND CERTAIN DEGRADED CORE CONSIDERATIONS PUBLISHED IN THE FEDERAL REGISTER ON 10/02/80.											
CURRENT STATUS:	COMMENTS ON THE INTERIM RULE HAVE BEEN CONSIDERED AND THE COMMISSION WAS BRIEFED ON THE FINAL RULE ON 4/23/81 (SECY-81-245). A DEGRADED CORE COOLING STEERING GROUP WAS FORMED AND COMPLETED ITS WORK IN MARCH 1981 WITH A PLAN TO ENSURE FUTURE INTEGRATION OF ACTIVITIES IN THIS AREA. NEW COMMISSION PAPER ON HYDROGEN CONTROL (FINAL RULE AND A PROPOSED RULE) SUBMITTED TO COMMSION ON 8/17/81.											
ISSUES:	THE LONG-TERM DEGRADED CORE COOLING RULEMAKING INVOLVES MANY SIGNIFICANT ISSUES AND PROBLEMS TO BE RESOLVED. THE ANR SOLICITS PUBLIC COMMENTS REEGARDING MANY OF THEM. THE BASIC ISSUE IS WHAT CHANGES, IN REACTOR PLANT DESIGNS AND SAFETY ANALYSES ARE NEEDED TO TAKE INTO ACCOUNT REACTOR ACCIDENTS BEYOND THOSE CONSIDERED IN THE CURRENT DESIGN BASIS ACCIDENT APPROACH.											
COMMISSION ACTION:	REVIEW (RULEMAKING - SEE SECY-81-20A)											
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.C.1	1	ACTIVE	RED	NO	05/82	11/20/81	RES NRR	JOSEPH MURPHY SARAH DAVIS	35921 29407	DRA DST	RAB RRAB	040013 *

TITLE:..... INTERIM RELIABILITY EVALUATION PROGRAM (IREP) (RES)

PURPOSE:..... PROBABILISTIC RISK ASSESSMENT METHODS WILL BE USED TO IDENTIFY PARTICULARLY HIGH-RISK ACCIDENT SEQUENCES AT INDIVIDUAL PLANTS AND TO DETERMINE REGULATORY MEASURES TO REDUCE THESE HIGH-RISK SEQUENCES INITIAL IREP CONSISTS OF A PILOT STUDY OF A SINGLE PLANT (CRYSTAL RIVER UNIT 30), FOLLOWED BY A SCALED-UP STUDY OF FOUR PLANTS, IN PARALLEL WITH STANDARDIZATION OF THE METHODOLOGY.

SCHEDULE:..... (ORIGINAL) (1) PILOT STUDY (CR-3) 05/80, (2) INITIAL DRAFT RECOMMENDATIONS BASED ON FINDINGS 07/80, (3) REGULATORY EVAL. & RQMTS. FOR IMPLM. OF GEN. FINDINGS OF PILOT STUDY 09/80, (4) SIX-PLANT STUDY 03/81, (5) INITIAL DRAFT RECOMMENDATIONS BASED ON FINDINGS 05/81, (6) REGULATORY EVAL. & RQMTS. FOR IMPLM. OF GENERIC FINDINGS. (CURRENT) (1) PILOT STUDY (CR-3) 08/81, (2) FOUR-PLANT STUDY 03/82, (3) REGULATORY EVAL. & RQMTS. FOR IMPLM. OF FINDINGS UNKNOWN, (4) INITIAL DRAFT RECOMMENDATIONS BASED ON FINDINGS 03/82, (5) REGULATORY EVAL. & RQMTS. FOR IMPLM. OF GENERIC FINDING 05/82.

ACCOMPLISHMENTS:.. PILOT STUDY COMPLETED & DRAFT REPORT DOCUMENTING FINDINGS & RECOMMENDATIONS OF PILOT STUDY ISSUED FOR PEER REVIEW MAY 30, 1980. COMMENTS RECEIVED FROM PEER REVIEW DURING JUNE & JULY, 1980. INSTRUCTIONS TRANSMITTED TO FOUR PLANTS PARTICIPATING IN PHASE II (NUMBER OF PARTICIPANTS REDUCED TO FOUR BECAUSE TWO LICENSEES OUT OF THE ORIGINAL GROUP OF SIX ARE PERFORMING IREP-LIKE STUDIES ON THEIR OWN)--JULY 25, 1980. NRR PARTICIPANTS IN IREP TEAMS IDENTIFIED--AUGUST 7, 1980. ALL FOUR PROJECTS STARTED SEPT. 1980.

CURRENT STATUS:.. DRAFT REPORT DOCUMENTING FINDINGS AND RECOMMENDATIONS OF PILOT STUDY IS UNDERGOING REVISION BY CONTRACTOR TO ADDRESS COMMENTS RECEIVED DURING PEER REVIEW. ALL FOUR PROJECTS HAVE BEEN INITIATED. ANALYSIS OF FOUR PLANTS IS PROCEEDING.

ISSUES:..... SIGNIFICANT DEFICIENCIES IDENTIFIED DURING PEER REVIEW MAY REQUIRE MAJOR REVISION OF REPORT DOCUMENTING FINDINGS OF PILOT STUDY. THIS HAS ADVERSELY IMPACT THE PROJECTED SCHEDULE FOR COMPLETION OF THE PILOT STUDY EFFORT. THE DEFICIENCIES OF THE DRAFT CR-3 IREP REPORT HAVE NOT, HOWEVER, DELAYED THE DEVELOPMENT OF RECOMMENDATIONS CONCERNING CR-3 PLANT SAFETY NOR HAVE THEY DELAYED THE LESSONS OF THE PILOT STUDY FOR IMPROVED METHODOLOGY AND MANAGEMENT OF FUTURE IREP STUDIES. THIS WILL NOT SIGNIFICANTLY AFFECT THE SCHEDULE OF THE FOUR IREP PHASE II STUDIES.

NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.C.2	2	ACTIVE	RED	YES	FY82	01/15/82	NRR	ASHOK THADANI	28907	DST	RRAD	040013 *

TITLE:..... CONTINUATION OF IREP (NRR)

PURPOSE:..... FOLLOWING COMPLETION OF THE INITIAL IREP (II.C.1), PROBABILISTIC RELIABILITY/RISK STUDIES OF ALL REMAINING OPERATING REACTORS WILL BE INITIATED. A COMMISSION PAPER WILL BE PREPARED WHICH RECOMMENDS THE APPROACH TO BE USED FOR THE CONTINUATION OF THE IREP PROGRAM, AS WELL AS THE BREADTH OF COVERAGE.

SCHEDULE:..... (ORIGINAL) COMMISSION PAPER ON APPROACH TO BE USED IN CONTINUATION OF IREP 10/80, COMPLETION OF PROGRAM 1983.
(CURRENT) WILL ISSUE COMMISSION PAPER 02/82. WILL ISSUE AN OPTIONS REPORT IN 7/82. PHASE III TO BE INITIATED 10/82, NREP COMPLETED 1990.

ACCOMPLISHMENTS:.. DRAFT COMMISSION PAPER ISSUED TO DIRECTOR, NRR, IN 12/81.

CURRENT STATUS:... ANTICIPATE IREP AND ANS/IEEE PROCEDURES TO BE ISSUED SPRING/SUMMER OF 1982. WILL ISSUE WILL ISSUE AN OPTION REPORT (PROS, CONS, RESOURCE IMPACTS OF SEVERAL ALTERNATIVES) IN 11/82.

ISSUES:..... DELAYS HAVE BEEN ENCOUNTERED IN THE DEVELOPMENT OF PROCEDURES GUIDES BY IREP AND IEEE/ANS. NRR WILL DEFINE SCOPE OF NREP AND PROCEDURES BY 9/82 USING AVAILABLE INFORMATION.

COMMISSION ACTION: REVIEW

NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO. FLAG WILL CHANGE TO GREEN IF APPROVED.

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
11.C.3	1	ACTIVE	RED	YES	FY83	01/15/82	NRR RES	FRANK COFFMAN F. ROWSOME	27497 35921	DST DRA	RRAB DIR	042044 043373
TITLE:	RISK ASSESSMENT - SYSTEMS INTERACTION (NRR)											
PURPOSE:	CONSIDER ISSUANCE OF A REGULATORY REQUIREMENT THAT A SYSTEMS INTERACTION ANALYSIS BE PERFORMED ON LWRs FOR COMMON-CAUSE FAILURES THAT COULD JEOPARDIZE INDEPENDENT SYSTEMS NEEDED TO PERFORM BASIC SAFETY FUNCTIONS. DEVELOP METHODOLOGY FOR SYSTEMS INTERACTION (SI) ANALYSIS OF LWR'S.											
SCHEDULE:	(ORIGINAL) DIABLO CANYON SEISMIC INDUCED SI STUDIES COMPLETE PRIOR TO FULL POWER OPERATION. INDIAN POINT 3 SI REVIEW - ALTERNATIVE APPROACH STUDIES COMPLETE BY 04/01/81. REGULATORY GUIDANCE FROM A-17 STUDIES DRAFT BY 12/80. REG. GUIDE BY 6/81. (CURRENT) DIABLO CANYON SEISMICALLY INDUCED SI STUDIES SER WAS ISSUED 10/80. INDIAN POINT 3 SI PROGRAM AND EXAMPLE SYSTEM RECEIVED BY 1/82. REGULATORY GUIDANCE - (NONE FROM A-17). REGULATORY GUIDANCE - (NONE FROM A-17). INITIAL GUIDANCE FROM GUIDANCE DEVEL. TASK, 1/82.											
ACCOMPLISHMENTS:	COMPLETED DIABLO CANYON SI SER-10/80, FAVORABLE ACRS LTR 11/14/80. ISSUED STATE-OF-ART REPORTS 01/81: NUREG/CR-1859 (LLL), NUREG/CR-1896 (BMI), NUREG/CR-1901 (BNL). COMPLETED SAN ONOFRE 2/3 SI STUDY, SSER INPUT TO DL 04/07/81, ACRS REVIEW REC'D 03/12/81. MET WITH AIF TO SAMPLE INDUSTRY REACTION TO SIB APPROACH 04/01/81. ISSUED LTR REPORT SUMMARIZING PRAB/DST APPROACH TO SI FOR COMMENT 06/25/81. STAFF MET WITH PASNY TO DISCUSS FINAL COMMENTS ON THE INDIAN POINT PROGRAM, 07/24/81. MEETING HELD TO CLARIFY INTERFACES BETWEEN SYSTEMS INTERACTION AND PRA, 10/20/81. DRAFT INTERIM SI GUIDANCE REPORTS RECEIVED FROM BNL 10/20/81. CRITIQUE PROVIDED FOR INPUT TO IEEE/ANS PRA PROCEDURES GUIDE CONCERNING INTEGRATION OF SYSTEMS INTERACTION ANALYSIS INTO A PRA, 12/15/81.											
CURRENT STATUS:	JUSTIFICATION TO SELECT LWR PLANTS FOR PERFORMANCE OF SYSTEMS INTERACTION ANALYSES PROVIDED, 11/20/81. PASNY FINAL DESCRIPTION OF SYSTEMS INTERACTION PROGRAM DUE 1/82. INITIAL GUIDANCE BEING REVISED TO REFLECT COMMENTS RCVD FROM AIF AND NRC STAFF.											
ISSUES:	SCHEDULED DEADLINES FOR OTHER TMI ACTION PLAN REQUIREMENTS HAVE DELAYED SELECTING LWRs FOR THE SYSTEMS INTERACTION ANALYSIS. TMI-1 RESTART HEARING BOARD PARTIAL INITIAL DECISION MADE THE FINDING THAT TMI-1 SHOULD BE SELECTED FOR SYSTEMS INTERACTION ANALYSIS.											
COMMISSION ACTION:	A REVISED BASELINE SCHEDULE AND/OR SCOPE OF WORK WILL BE REQUESTED TO REFLECT CURRENT RESOURCES AND PRIORITIES.											
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO. FLAG WILL CHANGE TO GREEN IF APPROVED.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
11.C.4	2	INACTIVE	GREEN	NO	FY83	01/15/82	NRR RES	CHARLES MORRIS FRANK ROWSOME	27939 35921	DST DRA	RRAB DIR	
TITLE:	RISK ASSESSMENT - RELIABILITY ENGINEERING (NRR)											
PURPOSE:	NRR WILL DEVELOP CRITERIA AND PROCEDURES FOR UTILITIES TO APPLY RELIABILITY ENGINEERING PRACTICES TO LWR'S ON A COMPREHENSIVE AND CONSISTENT BASIS. ULTIMATELY, RELIABILITY ASSURANCE PROGRAM REQUIREMENTS WILL BE PROMULGATED BY RES IN A NEW REGULATORY GUIDE.											
SCHEDULE:	(ORIGINAL) FY 1982 - SCHEDULE DEPENDENT ON AVAILABILITY OF RESOURCES. (CURRENT) CONTRACTOR (RADC) TO PROVIDE RECOMMENDED RELIABILITY PROGRAM PARTIALLY BASED ON SURVEY OF INDUSTRY (12/15/82). RELIABILITY PROGRAM PLAN GUIDELINES ISSUED (09/30/83).											
ACCOMPLISHMENTS:	CONTRACT INITIATED WITH RADC, 10/15/81.											
CURRENT STATUS:	RADC TO PERFORM SURVEY AND PROVIDE INITIAL DRAFT OF RELIABILITY PLAN.											
ISSUES:	N/A											
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.											

CHAPTER... PR... STATUS... FLAG... ACTION COMP DATE REVISED OFFICE... CONTACT'S NAME... PHONE DIVSN BRANCH TACS #
 II.D.1 1 REQUIREMENT YELLOW NO FY82 01/12/82 NRR FRANK CHERNY 28437 DE MEB 041068 *

TITLE:..... COOLANT SYSTEM VALVES - TESTING REQUIREMENTS (NRR)
 (REACTOR COOLANT SYSTEM RELIEF VALVES, SAFETY VALVES, BLOCK VALVES, AND ASSOCIATED DISCHARGE PIPING)

PURPOSE:..... APPLICANTS & LICENSEES TO CONDUCT TESTING TO QUALIFY REACTOR COOLANT RELIEF VALVES, SAFETY VALVES, BLOCK VALVES, AND ASSOCIATED DISCHARGE PIPING FOR ALL OPERATING CONDITIONS AND DESIGN BASIS ACCIDENTS.

SCHEDULE:..... (ORIGINAL) A) GENERIC TEST PROGRAMS ESTABLISHED - 01/80; B) COMPLETION OF TESTING 07/81; C) PLANT SPECIFIC QUALIFICATION OF VALVES - 07/81. (NUREG-0737): A) FINAL (EPRI) PWR TEST PROGRAM 07/01/80; B) FINAL BWR TEST PROGRAM 10/80; C) PORV BLOCK VALVE QUALIFICATION PROGRAM 01/01/80; D) PWR/BWR GENERIC PROGRAM RESULTS 07/01/81; E) PRELIMINARY PWR/BWR SAFETY & RELIEF VALVE PLANT SPECIFIC SUBMITTALS 07/01/81; F) FINAL PWR/BWR SAFETY & RELIEF VALVE PLANT SPECIFIC SUBMITTALS 10/01/81; G) PLANT SPECIFIC SUBMITTALS FOR PIPING & SUPPORT EVALUATIONS 01/01/82; H) PLANT SPECIFIC SUBMITTALS FOR PORV BLOCK VALVE QUALIFICATION 07/01/82.
 (CURRENT) BWR SCHEDULE UNCHANGED FROM ORIGINAL. PWR SCHEDULE REVISED AS FOLLOWS:

ACCOMPLISHMENTS:.. A) COMPLETION OF TESTING AND GENERIC TEST PROGRAM RESULTS 4/1/82; B) PRELIMINARY SAFETY AND RELIEF VALVE PLANT SPECIFIC SUBMITTALS 4/1/82; C) FINAL SAFETY AND RELIEF VALVE PLANT SPECIFIC SUBMITTALS 7/1/82; D) PLANT SPECIFIC SUBMITTALS FOR PIPING AND SUPPORT EVALUATIONS 7/1/82; E) PLANT SPECIFIC SUBMITTALS FOR PORV BLOCK VALVE QUALIFICATION 7/1/82.

BWR PROGRAM: A) PRELIMINARY DATA FROM GENERIC BWR S/RV TEST PROGRAM TRANSMITTED TO NRC BY 7/1/81 LETTER FROM T.J. DENTE TO D.G. EISENHUT; B) FINAL TEST RESULTS, THE UNBOUND VERSION OF GE REPORT NEDE-24988-P, TRANSMITTED TO NRC BY 9/25/81 LETTER FROM T.J. DENTE TO D.G. EISENHUT; C) FINAL BOUND COPIES OF TEST RESULTS AS GE REPORTS NEDE-24988-P AND NEDO-24988 OF OCTOBER 1981, TRANSMITTED BY 12/2/81 LETTER FROM J.F. QUIRK TO D.G. EISENHUT; D) THERE ARE 23 OUT OF 24 PLANT SPECIFIC SUBMITTALS TRANSMITTED TO NRC AS OF THIS UPDATE.
 PWR PROGRAM: A) EPRI/MARSHALL POWER OPERATED RELIEF VALVE REPORT DATED 9/28/81 WAS RECEIVED; B) EPRI/PWR OWNERS AND STAFF HELD MEETING ON 10/2/81 TO REVIEW TEST RESULTS TO DATE AND PROPOSED SCHEDULE FOR COMPLETION OF NUREG-0737 REQUIREMENTS.

CURRENT STATUS:... BWR PROGRAM:
 A) FINAL TEST RESULTS, GE REPORT NEDE-24988-P OF HOW PRESSURE LIQUID AND TWO PHASE TESTING IS BEING EVALUATED;
 B) PLANT SPECIFIC SUBMITTALS FROM THE LICENSEES ARE BEING EVALUATED.

PWR PROGRAM:
 A) EPRI/MARSHALL POWER OPERATED RELIEF VALVE REPORT OF 9/28/81 IS BEING EVALUATED;
 B) AT THE 10/2/81 MEETING, THE OWNERS GROUP DISCUSSED ALTERNATE DATES. HOWEVER, THE SCHEDULE REMAINS AS SHOWN UNDER CURRENT SCHEDULE (THE DATES EXTENDING COMPLETION APPROVED BY THE COMM. AND TRANSMITTED TO THE LICENSEES BY LETTER OF D.G. EISENHUT ARE THE CURRENT DATE REQUIREMENTS);
 C) DURING THE 10/2/81 MEETING, THE OWNERS GROUP STATED THAT AN EPRI PORV BLOCK VALVE REPORT WOULD BE SENT TO NRC 4/1/82.

ISSUES:..... BWR PROGRAM: THE STAFF HAS COMPLETED ITS REVIEW OF THE BWR/GE POSITION THAT HIGH PRESSURE TESTING IS NOT REQUIRED. THE FINAL STAFF POSITION ON HIGH PRESSURE TESTING IS UNDERGOING MANAGEMENT REVIEW.
 PWR PROGRAM: AT THE 10/2/81 MEETING, THE STAFF STATED AND THE OWNERS GROUP ARGUED THAT EACH LICENSEE/APPLICANT WOULD RESPOND TO THE EISENHUT LETTER EXTENDING THE SUBMITTALS TO 7/1/82 BY ACKNOWLEDGING INTENT TO PROVIDE SUBMITTALS BY 7/1/82 OR A PROPOSED ALTERNATIVE DATE AND JUSTIFICATION FOR ANY ADDITIONAL DELAY.

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.D.2	3	ACTIVE	GREEN	NO	12/84	11/20/81	RES	HAROLD I. GREGG	35860	DET	MSEB	*
TITLE:	COOLANT SYSTEM VALVES - RESEARCH ON TEST REQUIREMENTS (RES)											
PURPOSE:	CONTRACT WITH FIRM TO SERVE AS MONITOR FOR INDUSTRY SAFETY, RELIEF AND BLOCK VALVE AND PIPING TEST AND STUDY AT EPRI; STUDY ALL POTENTIAL FLUID CONDITIONS THE VALVES MIGHT BE EXPOSED TO. EVALUATE TEST RESULTS APPLIED TO INDIVIDUAL PLANTS. REVIEW AND EVALUATE PLANT SPECIFIC SUBMITTALS AND PERFORM SELECTED INDEPENDENT EVALUATIONS.											
SCHEDULE:	(ORIGINAL) RES WILL FOLLOW INDUSTRY TESTS THROUGH 1981 AND ASSESS THE NEED FOR NRC TESTS IN DECEMBER 1981. (CURRENT) RES TO FOLLOW ALL PROGRAM ASPECTS THROUGH 12/84.											
ACCOMPLISHMENTS:												
CURRENT STATUS:	CONTRACT PLACED WITH EG&G TO REVIEW AND EVALUATE THE INDUSTRY VALVE TESTING PROGRAMS AND PLANT SPECIFIC SUBMITTALS.											
ISSUES:	EARLY TEST RESULTS INDICATE CERTAIN BLOCK VALVES FAIL TO PERFORM UNDER FULL FLOW CONDITIONS AT MAXIMUM DIFFERENTIAL PRESSURE. NRR, IE AND UTILITIES HAVE BEEN NOTIFIED. IE BULLETIN 81-02 ISSUED. PWR OWNERS GROUP APPEALING NEED TO PERFORM FURTHER BLOCK VALVE TESTS. PWR/EPRI TEST PROGRAM DELAYED DUE TO MORE COMPREHENSIVE AND EXTENDED TEST PROGRAM. BWR TESTING COMPLETED, PWR TESTING CONTINUES.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.D.3	1	COMPLETE		NO	FY81	08/26/81	NRR	DAVE VERRELLI NRR IE JACK ROSENTHAL	28434 29434	DL DSI	ORAB ICSB	042180 *
TITLE:	COOLANT SYSTEM VALVES - VALVE POSITION INDICATION (NRR)											
PURPOSE:	DIRECT INDICATION OF POWER-OPERATED RELIEF VALVE & SAFETY VALVE POSITION.											
SCHEDULE:	(ORIGINAL) SHORT-TERM RECOMMENDATION - IMPLEMENTED ON ALL OPERATING PLANTS 01/80. (CURRENT) IMPLEMENTATION ON OL APPLICANTS PRIOR TO POWER OPERATION (AS REQUIRED BY OL REVIEW SCHEDULES).											
ACCOMPLISHMENTS:	IMPLEMENTATION OF SHORT-TERM RECOMMENDATIONS COMPLETED ON ALL OPERATING PLANTS.											
CURRENT STATUS:	COMPLETE.											
ISSUES:	THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.E.1.1	1	REQUIREMENT	GREEN	NO	FY82	08/26/81	NRR	DAVE VERRELLI NRR OLAN PARR	28434 27483	DL DSI	ORAB ASB	*
TITLE:	AUXILIARY FEEDWATER SYSTEM EVALUATION (NRR)											
PURPOSE:	TO IMPROVE RELIABILITY OF THE AUXILIARY FEEDWATER SYSTEM (AFWS).											
SCHEDULE:	(ORIGINAL) OPERATING PLANTS - SHORT TERM W&CE 06/80, B&W 09/80 - LONG TERM ALL OPERATING PLANTS - 01/82, OPERATING LICENSE APPLICANTS - TO SUPPORT LICENSING. (CURRENT) OPERATING PLANTS - SHORT TERM - 06/81 - LONG TERM - 01/82, OPERATING LICENSE APPLICANTS - TO SUPPORT LICENSING.											
ACCOMPLISHMENTS:	SER EVALUATIONS ISSUED FOR ALL CE & W PLANTS. B&W'S WERE COMPLETE AS PART OF THE ORDERS OF 05/79. SERS COVER SHORT TERM IMPROVEMENTS. LONG TERM IMPROVEMENTS ARE PLANT SPECIFIC.											
CURRENT STATUS:	EVALUATING LONG TERM IMPROVEMENT. 6 OF 45 SERS ISSUED.											
ISSUES:	THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.E.1.2	1	REQUIREMENT	GREEN	NO	FY81	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	042193 *
							NRR	RICK KENDALL	29451	DSI	ICSB	
TITLE:	AUXILIARY FEEDWATER SYSTEM AUTOMATIC INITIATION AND FLOW INDICATION (NRR)											
PURPOSE:	TO ENSURE THE IMPLEMENTATION OF SAFETY GRADE AUTOMATIC INITIATION SYSTEMS AND SAFETY GRADE FLOW AND STEAM GENERATOR LEVEL INDICATION AT OPERATING REACTORS.											
SCHEDULE:	(ORIGINAL) INITIATION DATE - 07/80. FINAL COMPLETION DATE - 08/81.											
	(CURRENT) RESPONSES FROM LICENSEES DUE 01/81. FINAL COMPLETION DATE 07/81.											
ACCOMPLISHMENTS:	SERS COMPLETE FOR SIX ORS AND FOUR NTOLS.											
CURRENT STATUS:	REVIEW OF NTOL AND OR SUBMITTALS BY ICSB AND FRANKLIN RESEARCH CENTER IN PROGRESS.											
ISSUES:	THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.E.1.3(1)	-	ACTIVE	GREEN	NO	FY82	01/15/82	NRR	WILLIAM LEFAVE	29510	DSI	ASB	040047 *
TITLE:	UPDATE STANDARD REVIEW PLAN AND DEVELOP REGULATORY GUIDE (NRR)											
PURPOSE:	NRR WILL REVISE SRP 10.4.9 TO INCLUDE LESSONS LEARNED RECOMMENDATIONS - B&O TASK FORCE RECOMMENDATIONS AND RES WILL DEVELOP A REGULATORY GUIDE ON AFW SYSTEMS THAT WILL POSSIBLY ENDORSE ANSI/ANS-51.10.											
SCHEDULE:	(ORIGINAL) NONE/DECISION GROUP D											
	(CURRENT) SRP 10.4.9 REVISION COMPLETE. NO SCHEDULE ESTABLISHED FOR DEVELOPMENT OF THE REGULATORY GUIDE.											
ACCOMPLISHMENTS:	SRP 10.4.9 REVISIONS COMPLETE.											
CURRENT STATUS:	SRP 10.4.9 REVISIONS COMPLETE. MEETING ARRANGED BETWEEN NRR/ASB AND RES/RRB FOR LATE AUGUST TO DISCUSS DEVELOPMENT OF THE REGULATORY GUIDE.											
ISSUES:	NONE AT PRESENT.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.E.1.3(2)	-	ACTIVE	GREEN	NO	FY81	05/05/81	RES	JAMES CURRY	35960	DRA	RRB	040047 *
TITLE:	UPDATE STANDARD REVIEW PLAN AND DEVELOP REGULATORY GUIDE (RES)											
PURPOSE:	ISSUE A REGULATORY GUIDE ON AUXILIARY FEEDWATER SYSTEMS THAT WILL POSSIBLY ENDORSE ANSI/ANS - 51.10. SAFETY RELATED FUNCTIONS OF AN AFW FOR PWR PLANTS.											
SCHEDULE:	(ORIGINAL) NONE ESTABLISHED.											
ACCOMPLISHMENTS:	NONE											
CURRENT STATUS:	MEMORANDUM SENT 04/21/81 FROM ASB TO RCSB REQUESTING THAT RES INITIATE RG DEVELOPMENT WITH TECHNICAL COORDINATION PROVIDED BY RES.											
ISSUES:	NONE AT PRESENT.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	IACS #
II.E.2.1	2	INACTIVE	GREEN	NO	FY83	01/19/82	NRR	NORMAN LAUBEN	29405	DSI	RSB	*
TITLE:	RELIANCE ON THE EMERGENCY CORE COOLING SYSTEM (ECCS) (NRR)											
PURPOSE:	NRR WILL INSTRUCT ALL OPERATING REACTOR LICENSEES TO REPORT ON ECCS ACTUATION EXPERIENCE. THIS WILL BE COMPARED TO DESIGN BASES TO ASSESS RELIABILITY OF THE SYSTEM TO PERFORM ITS INTENDED FUNCTION.											
SCHEDULE:	(ORIGINAL) INITIATE WORK IN FY82 OR LATER, DEPENDING ON RESOURCE AVAILABILITY. (CURRENT) INITIATE WORK IN FY83.											
ACCOMPLISHMENTS:	NOT STARTED											
CURRENT STATUS:	DELAYED UNTIL FY83 WHEN RESOURCES SHOULD BECOME AVAILABLE.											
ISSUES:	THIS ITEM IS NOT INCLUDED IN NRR'S OPERATING PLAN FOR FY82.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	IACS #
II.E.2.2(1)	1	ACTIVE	GREEN	NO	FY83	11/20/81	RES	GARNET MCPHERSON	74260	DAE	EPB	*
TITLE:	RESEARCH ON SMALL BREAK LOCAS AND ANOMALOUS TRANSIENTS (RES)											
PURPOSE:	TO STUDY THE RESPONSE OF A PWR TO VARIOUS SIZES OF SMALL BREAK LOCA'S, PLANT STATUS DURING THE LOCA'S, PLANT RESPONSE TO ANOMALOUS TRANSIENTS, AND MEANS TO ENHANCE THE OPERATOR'S ABILITY TO RESPOND TO AN UPSET CONDITION.											
SCHEDULE:	(ORIGINAL) COMPLETE 6 LOFT TESTS IN FY1980. COMPLETE 6 LOFT TESTS IN FY81. (CURRENT) COMPLETED 6 LOFT TESTS IN FY1980. COMPLETED 7 LOFT TESTS IN FY 1981. FY82 SCHEDULE DEPENDANT ON BUDGET, NOT YET DETERMINED.											
ACCOMPLISHMENTS:	SMALL BREAK LOCA'S - SCALED 4 IN - 11/79; SCALED 1 IN - 2,6/80; SCALED 4 IN W/PUMPS OFF - 9/80, W/PUMPS ON - 12/80 OPEN PROV 4/81. ANOMALOUS TRANSIENTS - LOSS OF FEEDWATER - 06/80; LOSS OF PC FLOW - 10/80; LOSS OF LOAD - 10/80; EXCESSIVE LOAD CORE UNCOVERY TEST - 12/80, SECOND LOSS OF FEEDWATER 04/81, LEADING TO OVERPRESSURIZATION AND SUBSEQUENT RECOVERY USING UTILITY PROCEDURES. AND SIMULATION AND EXCESSIVE COOLDOWN SIMULATION 07/81.											
CURRENT STATUS:	THE PUMPS ON TEST WAS COMPLETED 12/10/80. THAT TEST HAS BEEN POST-TEST PREDICTED BY THE U.S. PWR VENDORS AS REQUIRED PROBLEM. PLANS HAVE BEEN FORMULATED FOR THE TEST PROGRAM TO CONCLUDE IN FY 1983 AND WILL INCLUDE PRESSURIZED FUEL TESTS. ADVANCED CONTROL ROOM AND DIAGNOSTIC INSTRUMENTATION, ARE BEING USED AS PART OF THE AUGMENTED OPERATOR CAPABILITIES PROGRAM TO ASSESS OPERATOR NEEDS TO MITIGATE THE CONSEQUENCES OF ACCIDENT AND TRANSIENTS. RILS ARE BEING PREPARED ON THE AOC PROGRAM, THE INITIAL SMALL BREAK EXPERIMENTS, THE TECHNICAL SUPPORT CTR, AND THE FIRST 4 ANOMALOUS TRANSIENTS, SMALL BREAK PREDICTIVE CAPABILITY, NUCLEAR/ELECTRICAL ROD COMPARISON AND LOFT INSTRUMENTATION.											
ISSUES:	THE EFFECT OF REACTOR COOLANT PUMP OPERATION FOLLOWING A SMALL BREAK LOCA HAS BEEN STUDIED VIA THE PUMPS OFF TEST, L3-5, AND THE PUMPS ON TEST, L3-6. THIS WILL ASSIST NRR IN ASSESSING VENDORS COMPUTER CODES AND PLANT OPERATING PROCEDURES. THE LOCA DATA BASE WILL BE FILLED IN VIA AN INTERMEDIATE BREAK TEST IN FY 1981. THE RESPONSE OF THE FUEL TO A LOCA WILL BE STUDIED WITH PRESSURIZED FUEL IN FY 1982. INFORMATION WILL BE OBTAINED FOR THE DEGRADED CORE COOLING FULEMAKING ON THE BALLOON AND BURST PATTERN OF A FULL SIZE FUEL BUNDLE IN FY83. AN ATWS TEST WILL BE PERFORMED AND IS PLANNED TO BE A REQUIRED VENDOR CALCULATION. A BORON DILUTION TEST WILL BE PERFORMED AS A CHECK OF THE VENDOR METHODS OF PREDICTING THIS TYPE OF TRANSIENT. FY82-83 PLANS ASSUME FY82 BUDGET ISSUE WILL BE RESOLVED IN FAVOR OF CONTINUING PROGRAM.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.E.2.2(2)	1	ACTIVE	YELLOW	NO	FY81	01/15/82	RES ADM	L. HAROLD SULLIVAN W. HODGES	74260	DAE	EPB	*
TITLE:	RESEARCH ON SMALL BREAK LOCAS AND ANOMALOUS TRANSIENTS FLECHT-SEASET (RES)											
PURPOSE:	INVESTIGATE THE NATURAL CIRCULATION AND REFLUX CONDENSATION SYSTEM BEHAVIOR FOR LONG TERM COOLING.											
SCHEDULE:	(ORIGINAL) NATURAL CIRCULATION TESTS 06/81-08/81 (CURRENT) 11/81 - 03/82.											
ACCOMPLISHMENTS:	TEST FACILITY IS UNDER SHAKEDOWN. TEST MATRIX HAS BEEN FINALIZED.											
CURRENT STATUS:												
ISSUES:												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.E.2.2(3)	1	ACTIVE	YELLOW	NO	12/82	01/15/82	RES	L. SHOTKIN	74275	DAE	AMB	*
TITLE:	RESEARCH ON SMALL BREAK LOCAS AND ANOMALOUS TRANSIENTS (RES)											
PURPOSE:	IMPROVE CURRENT CODES AND DEVELOPMENT AND APPLICATION OF ADVANCED CODES FOR SMALL BREAK LOCA AND OTHER ACCIDENT ANALYSES AND ANALYSES OF THERMOHYDRAULIC PHENOMENA IN LWR PLANTS IN THE PRESENCE OF HEAVY CORE DAMAGE.											
SCHEDULE:	(ORIGINAL) COMPLETE TRAC - PF1 - 12/80; COMPLETE TRAC - BF1 - 12/81; COMPLETE TRAC-PF1/MOD1 - 7/82. (CURRENT) COMPLETED TRAC - PF1 - 07/81; COMPLETE TRAC - BD1/MOD1 - 12/82 (PREVIOUSLY TRAC-BF1)											
ACCOMPLISHMENTS:	FAST RUNNING VERSION OF THE TRAC FOR ANALYSIS OF SMALL AND LARGE BREAK LOCAS IN PWR'S (TRAC-PF1) HAS BEEN RELEASED ON 7/81.											
CURRENT STATUS:	DEVELOPMENT OF TRAC-BD1/MOD1 IS UNDERWAY AND ITS PROGRESS IS SATISFACTORY.											
ISSUES:	DEVELOPMENT OF TRAC-PF1/MOD1 WILL BE INITIATED AT LASL.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.E.2.2(4)	1	ACTIVE	GREEN	NO	09/81	11/20/81	RES	WARREN C. LYON	74260	DAE	EPB	*
TITLE:	RESEARCH ON SMALL BREAK LOCAS AND ANOMALOUS TRANSIENTS (RES)											
PURPOSE:	PROVIDE SYSTEM TEST DATA AND CALCULATION COMPARISONS VIA SEMISCALE FOR SMALL BREAK LOCAS AND TRANSIENTS.											
SCHEDULE:	(ORIGINAL) INITIAL BLACKOUT EXPERIMENTS - 5/80; SYSTEM MODIFICATIONS - 6/80-11/80. 10% BREAK TEST 12/80; HEAT LOSS TESTS 1280-3/81; 2 1/2% BREAK TESTS (2) 3/81; ST LUCIE SIMULATION 4/81; SYSTEM MODIFICATION 4/81-6/81; NATURAL CIRCULATION TESTS 6/81-9/81. (CURRENT) COMPLETE INTERMEDIATE BREAK, WESTINGHOUSE LEVEL DEVICE EVALUATION, AND STEAM GENERATOR TRANSIENT TESTS IN FY82. INITIATE LOSS OF POWER SERIES IN FY82. COMPLETE LOSS OF POWER SERIES AND STEAM GENERATOR TUBE BREAK SERIES IN FY83.											
ACCOMPLISHMENTS:	COMPLETED TEST SERIES: SMALL BREAK (1/79), PUMPS ON/OFF (4/80), UHI VS. NON-UHI SMALL BREAKS (4/81), NATURAL CIRCULATION (10/81).											
CURRENT STATUS:	ON SCHEDULE. NEW TESTS BEING ADDED TO SCHEDULE TO SUPPORT NRR ON LEVEL DEVICE EVALUATION AND ON TRANSIENTS CAUSED BY SECONDARY SIDE SYSTEMS MALFUNCTIONS AND ACCIDENTS.											
ISSUES:	TECHNICAL ISSUES ARE RELATED TO LICENSING (NRR) CONCERNS AND SUPPORT.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.E.2.2(5)	1	COMPLETE	NO		03/80	11/20/81	RES	WILLIAM BECKNER	74260	DAE	CPB	*
TITLE:	RESEARCH ON SMALL BREAK LOCAS											
PURPOSE:	PROVIDE TEST DATA FROM TESTS SIMULATING BWR SMALL BREAKS TO ASSESS CALCULATIONAL CAPABILITIES AND NRC AND VENDOR CODES.											
SCHEDULE:	(ORIGINAL) SMALL BREAK TEST WITH HPCS - 12/79; SMALL BREAK TEST W/O HPCS - 3/80 (CURRENT) SAME											
ACCOMPLISHMENTS:	BOTH TESTS WERE SUCCESSFULLY CONDUCTED AND BLIND PREDICTIONS MADE USING RELAP4 MOD 6. A REPEAT OF THE SECOND SMALL BREAK CALCULATION WITH IMPROVED STEAM LINE FLOW CALCULATION HAS BEEN COMPLETED.											
CURRENT STATUS:	FINAL REPORT IS BEING PUBLISHED (NUREG/CR-2230). AN UPGRADE OF THE FACILITY TO IMPROVE SIMULATION CAPABILITY IS IN PROGRESS WITH COMPLETION SCHEDULED FOR 10/82.											
ISSUES:	NONE IDENTIFIED											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.E.2.2(6)	1	ACTIVE	GREEN	NO	11/81	11/20/81	RES	JOSE REYES (ACTING)	74260	DAE	EPB	*
TITLE:	RESEARCH ON SMALL BREAK LOCAS AND ANOMALOUS TRANSIENTS (RES)											
PURPOSE:	PROVIDE HEAT TRANSFER DATA UNDER HIGH PRESSURE WITH BUNDLE UNCOVERY.											
SCHEDULE:	(ORIGINAL) CORE UNCOVERY AND HIGH PRESSURE REFLOOD TESTS - 01/80-08/80. (CURRENT) TEST COMPLETED.											
ACCOMPLISHMENTS:	TESTING HAS BEEN COMPLETED AND DATA ANALYSIS UNDERWAY. ANALYSIS SHOWS THAT: A) MODIFIED MCELIGOT CORRELATION CAN ADEQUATELY PREDICT CONVECTIVE COOLING IN AN UNCOVERED BUNDLE. B) RADIATIVE ABSORPTION BY STEAM IS SIGNIFICANT AT ELEVATED PRESSURES. C) HIGH RATES (IE 10-12 INCHES/SEC) OF ROD QUENCH ARE NOT SUPPORTED BY DATA BASE. D) DOUGAL-ROHSENOW FILM BOILING AND DITTUS-BOELTER CORRELATION SIGNIFICANTLY OVERPREDICT HEAT TRANSFER WITH INCREASING QUALITY.											
CURRENT STATUS:	CONCLUDING EXPERIMENTS COMPLETED 11/80; FINDINGS HAVE BEEN REPORTED TO NRR STAFF (FINAL REPORTS). SERIES I SMALL BREAK REPORTS WERE PUBLISHED 10/81. FINAL DRAFTS OF LARGE BREAK AND FILM BOILING REPORTS ARE AVAILABLE; PUBLISHED VERSIONS UNAVAILABLE UNTIL 2/82.											
ISSUES:	FINDINGS CAN BE USED TO SUPPORT DEGRADED CORE COOLING RULEMAKING.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.E.2.3	2	INACTIVE	GREEN	NO	FY83	01/19/82	NRR	NORMAN LAUBEN	29405	DSI	RSB	*
TITLE:	UNCERTAINTIES IN ECCS PERFORMANCE PREDICTIONS (NRR)											
PURPOSE:	NRR WILL ISSUE INSTRUCTIONS TO HOLDERS OF ECCS EVALUATION MODELS TO EVALUATE UNCERTAINTY IN SMALL-BREAK PERFORMANCE CALCULATIONS. NRR WILL EVALUATE UNCERTAINTIES. IF CHANGES ARE NEEDED IN PRESENT METHODS TO PROPERLY ACCOUNT FOR UNCERTAINTIES, RECOMMENDATIONS WILL BE MADE TO ADOPT SUCH CHANGES.											
SCHEDULE:	(ORIGINAL) INITIATE NRC WORK FY82 OR LATER, DEPENDING ON RESOURCE AVAILABILITY (CURRENT) INITIATE WORK IN FY83.											
ACCOMPLISHMENTS:												
CURRENT STATUS:	DELAYED UNTIL FY83 WHEN RESOURCES SHOULD BECOME AVAILABLE.											
ISSUES:	THIS ITEM IS NOT INCLUDED IN NRR'S OPERATING PLAN FOR FY82; HOWEVER, RSB IS INVESTIGATING WHETHER THE TECHNICAL CONCERN OF ITEM II.E.2.3 WILL BE RESOLVED AS A PART OF ONGOING WORK ASSOCIATED WITH ITEM II.K.3.30, "REVISED SMALL-BREAK LOCA METHODS." ITEM II.K.3.30 IS PART OF NUREG-0737 AND IS BEING EVALUATED BY ALL LICENSEES/APPLICANTS.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.E.3.1	1	COMPLETE		NO	FY81	08/26/81	NRR IE	DAVE VERRELLI AL UNGARO	27476 28024	DL DSI	ORAB PSB	*

TITLE:..... DECAY HEAT REMOVAL - RELIABILITY OF POWER SUPPLIES FOR NATURAL CIRCULATION (NRR)
 PURPOSE:..... ENHANCES THE CAPABILITY TO MAINTAIN PRIMARY COOLANT SYSTEM PRESSURE CONTROL GIVEN
 A LOSS OF OFFSITE POWER BY MAKING EMERGENCY STANDBY POWER AVAILABLE TO THE
 PRESSURIZER HEATERS.
 SCHEDULE:..... (ORIGINAL) OPERATING REACTORS - COMPLETE. NTOLS COMPLETE BY OL DATE. (CURRENT) LICENSE
 APPLICATIONS TO BE COMPLETED DURING CASE REVIEW.
 ACCOMPLISHMENTS:.. OPERATING REACTOR REVIEWS WERE CONDUCTED BY THE LESSONS LEARNED REVIEW TASK FORCES
 AND ARE COMPLETE.
 CURRENT STATUS:... COMPLETE
 ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED BY THE PROJECT
 ACTION TRACKING SYSTEM (PATS).

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.E.3.2	1	INACTIVE	GREEN	NO	10/85	01/15/82	NRR RES	ANDY MARCHESE M. TAYLOR	24712 35960	DST DRA	GIB	043516 *

TITLE:..... DECAY HEAT REMOVAL - SYSTEMS RELIABILITY (NRR)
 PURPOSE:..... CONDUCT GENERIC STUDY TO ASSESS CAPABILITY AND RELIABILITY OF SHUTDOWN HEAT REMOVAL
 SYSTEMS. OBJECTIVE IS TO DETERMINE ACCEPTABILITY OF PRESENT SYSTEMS AND EVALUATE
 BENEFITS (E.G. REDUCED RISK) OF POSSIBLE SYSTEM MODIFICATIONS.
 NOTE:..... TASKS II.E.3.2 AND II.E.3.3 HAVE BEEN REPLACED AND INCORPORATED INTO
 UNRESOLVED SAFETY ISSUE (USI) TASK A-45, "SHUTDOWN DECAY HEAT REMOVAL
 REQUIREMENTS." TASK A-45 WILL BE BROADER IN SCOPE THAN II.E.3.2 AND
 II.E.3.3, HOWEVER, TASK A-45 WILL INCLUDE THE WORK THAT WAS PREVIOUSLY
 DEFINED FOR THOSE TASKS. A DRAFT TASK ACTION PLAN WAS ISSUED ON MAY 22, 1981,
 FOR TASK A-45 THAT DEFINES IN DETAIL THE ISSUE, SCOPE OF EFFORT AND SCHEDULE
 FOR RESOLUTION. IT IS PRESENTLY ESTIMATED THAT TASK A-45 WILL BE COMPLETED
 BY ABOUT OCTOBER 1985. PROGRESS ON TASK A-45 IS INCLUDED IN THE QUARTERLY
 UPDATE OF THE AQUA BOOK, NUREG-0606.
 NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.E.3.3	2	INACTIVE	GREEN	NO	10/85	01/15/82	NRR	ANDREW MARCHESE	24712	DST	GIB	043516 *
TITLE:	COORDINATED STUDY OF SHUTDOWN HEAT REMOVAL REQUIREMENTS (NRR)											
PURPOSE:	TO EVALUATE THE NEED FOR ALTERNATIVE SHUTDOWN HEAT REMOVAL SYSTEMS FOR BOTH PWR'S AND BWR'S, CONSIDERING THE IMPACT OF SUCH SYSTEMS ON THE OVERALL RISK TO THE PUBLIC. IF SUCH SYSTEMS APPEAR TO PROVIDE A SIGNIFICANT SAFETY BENEFIT, ALTERNATIVE CONCEPTS WILL BE STUDIED AND A RECOMMENDATION MADE.											
NOTE:	TASKS II.E.3.2 AND II.E.3.3 HAVE BEEN REPLACED AND INCORPORATED INTO UNRESOLVED SAFETY ISSUE (USI) TASK A-45, "SHUTDOWN DECAY HEAT REMOVAL REQUIREMENTS." TASK A-45 WILL BE BROADER IN SCOPE THAN II.E.3.2 AND II.E.3.3, HOWEVER, TASK A-45 WILL INCLUDE THE WORK THAT WAS PREVIOUSLY DEFINED FOR THOSE TASKS. A DRAFT TASK ACTION PLAN WAS ISSUED ON MAY 22, 1981 FOR TASK A-45 THAT DEFINES IN DETAIL THE ISSUE, SCOPE OF EFFORT AND SCHEDULE FOR RESOLUTION. IT IS PRESENTLY ESTIMATED THAT TASK A-45 WILL BE COMPLETED BY ABOUT OCTOBER 1985. PROGRESS ON TASK A-45 IS INCLUDED IN THE QUARTERLY UPDATE OF THE AQUA BOOK, NUREG-0606.											
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.E.3.4	-	INACTIVE	YELLOW	NO	FY81	11/20/81	RES	ROBERT CURTIS	74262	DAE	SAAB	*
TITLE:	DECAY HEAT REMOVAL - ALTERNATE CONCEPTS RESEARCH (RES)											
PURPOSE:	DETERMINE THE TECHNICAL FEASIBILITY OF PASSIVE CONTAINMENT COOLING FOR NEW PLANTS AND FOR BACKFITTING EXISTING PLANTS. ASCERTAIN THE ESTIMATED BENEFIT FROM SUCH A DEVICE, SCOPE THE COSTS, AND INDICATE ENGINEERING ALTERNATIVES AND PROBLEMS.											
SCHEDULE:	(ORIGINAL) RFP DRAFT INITIATED 01/81; PROCUREMENT STARTED 07/81; CONTRACTOR REVISIONS 08/81; CONTRACTOR SELECTED 09/81; ISSUE CONTRACT 10/81. (CURRENT) CANCELLED; ACTIVITY DEFERRED - NO FUNDS IN FY82.											
ACCOMPLISHMENTS:	N/A											
CURRENT STATUS:												
ISSUES:												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.E.3.5	-	ACTIVE	YELLOW	NO	FY81	01/15/82	RES	M. TAYLOR NRR C. GRAVES				*
TITLE:	DECAY HEAT REMOVAL - REGULATORY GUIDE (RES)											
PURPOSE:	PROVIDE IMPROVED GUIDANCE ON THE RELIABILITY AND CAPABILITY OF NUCLEAR POWER PLANT SYSTEMS FOR REMOVING DECAY HEAT AND ACHIEVING SAFE SHUTDOWN CONDITIONS FOLLOWING TRANSIENTS AND UNDER POSTACCIDENT CONDITIONS.											
SCHEDULE:	(ORIGINAL) ISSUE FOR COMMENT REVISION 1 TO R.G. 1.139 - 06/80. (CURRENT) ISSUE FOR COMMENT REVISION 1 TO R.G. 1.139 N/S, ISSUE EFFECTIVE REVISION 1 TO R.G. 1.139 N/S.											
ACCOMPLISHMENTS:	REVISION 1 TO R.G. 1.139 COMPLETED AND SENT TO NRR FOR CONCURRENCE (06/80).											
CURRENT STATUS:	NRR RETURNED RG 1.139 TO RES ON 6/22/81 WITH COMMENTS TO BE RESOLVED PRIOR TO ISSUANCE FOR COMMENT.											
ISSUES:												
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.E.4.1	1	COMPLETE		NO	FY81	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	
							NRR	MEL FIELDS	29417	DSI	CSB	
							IE					

TITLE:..... CONTAINMENT DESIGN - DEDICATED PENETRATIONS (NRR)
PURPOSE:..... TO PROVIDE CONTAINMENT PENETRATIONS FOR SYSTEMS THAT ARE NEEDED TO CONTROL POST-ACCIDENT COMBUSTIBLE GAS CONTROL THAT MEET THE SINGLE FAILURE CRITERIA FOR BOTH ISOLATION PURPOSES AND FOR OPERATIONAL PURPOSES.
SCHEDULE:..... (ORIGINAL) IMPLEMENT DESIGN CHANGES FOR OPERATING PLANTS - 01/81. IMPLEMENT DESIGN CHANGES FOR OLS - 01/81 OR PRIOR TO POWER OPERATION. (NUREG-0737) IMPLEMENT DESIGN CHANGES FOR OPERATING PLANTS - 07/81. IMPLEMENT DESIGN CHANGES FOR OLS - 07/81 OR PRIOR TO POWER OPERATION.
ACCOMPLISHMENTS:.. REVIEWED ALL OPERATING PLANTS FOR CONFORMANCE TO THIS ITEM AND REVIEWED ANY PROPOSED MODIFICATIONS AT THE LESSONS LEARNED REVIEW STAGE. REQUIREMENTS FOR THIS ITEM WERE INCLUDED IN NUREG-0737.
CURRENT STATUS:... DIE WILL VERIFY IMPLEMENTATION OF MODIFICATIONS REQUIRED BY 07/81.
ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.E.4.2	1	REQUIREMENT	YELLOW	NO	01/82	06/25/81	NRR	DAVE VERRELLI	28434	DL	ORAB	
							NRR	MEL FIELDS	29417	DSI	CSB	
							RES	PAT BARANOWSKY	35960	DRA	RRBR	
							NRR	JIM SHAPAKER	29416	DSI	CSB	

TITLE:..... CONTAINMENT DESIGN - ISOLATION DEPENDABILITY (NRR)
PURPOSE:..... DEVELOP AND ISSUE A SET OF POST-TMI REQUIREMENTS TO IMPROVE CONTAINMENT ISOLATION DEPENDABILITY FOR IMPLEMENTATION ON ALL OPERATING PLANTS AND PLANTS AT THE OL STAGE. REVIEW THE LICENSEE AND OL APPLICANTS RESPONSES TO THE POST-TMI REQUIREMENTS AND ISSUE A SAFETY EVALUATION REPORT FOR EACH PLANT.
SCHEDULE:..... (ORIGINAL) ISSUE EFFECTIVE REV. 1 TO R.G. 1.141-07/80 (NUREG-0737 CONTAINS THE SCHEDULE FOR LICENSEE AND OL APPLICANT RESPONSES TO THE REQUIREMENTS CONTAINED IN NUREG-0737.) (CURRENT) SAME
ACCOMPLISHMENTS:.. REVISION 1 TO RG 1.141 COMPLETED AND SENT TO NRR FOR CONCURRENCE (05/80). THE SET OF POST-TMI REQUIREMENTS FOR IMPLEMENTATION ON ALL OPERATING PLANTS AND PLANTS AT THE OL STAGE HAS BEEN DEVELOPED AND ISSUED AS NUREG-0737, "CLARIFICATION OF TMI ACTION PLAN REQUIREMENTS"
CURRENT STATUS:... RESOURCES FOR DEVELOPMENT OF RG 1.141 HAVE NOT BEEN MADE AVAILABLE BECAUSE OF OTHER HIGHER PRIORITY EFFORTS.
ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.E.4.3	2	INACTIVE	GREEN	NO	FY83	01/19/82	NRR	JIM SHAPAKER	29416	DSI	CSB	*
TITLE:	CONTAINMENT DESIGN - INTEGRITY CHECK (NRR)											
PURPOSE:	EVALUATE FEASIBILITY OF PERIODICALLY VERIFYING THAT CONTAINMENT INTEGRITY IS BEING MAINTAINED.											
SCHEDULE:	(ORIGINAL) FEASIBILITY STUDY TO BE DONE IN FY-82 OR BEYOND, DEPENDING ON RESOURCE AVAILABILITY.											
ACCOMPLISHMENTS:	(CURRENT) FEASIBILITY STUDY TO BE STARTED IN FY-83.											
CURRENT STATUS:	STATEMENT OF SAFETY RATIONALE WRITTEN 09/24/80.											
ISSUES:	NOT STARTED.											
	THIS ITEM IS NOT PART OF NRR'S FY82 OPERATING PLAN.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.E.4.4(1)	1	COMPLETE	NO		FY81	08/18/81	NRR	DAVID SHUM	29414	DSI	CSB	*
TITLE:	CONTAINMENT DESIGN - PURGING (NRR)											
PURPOSE:	TO RE-EVALUATE THE ACCEPTABILITY OF PURGING/VENTING NUCLEAR POWER PLANT CONTAINMENTS DURING THE REACTOR OPERATING MODES OF STARTUP, POWER OPERATION, HOT STANDBY AND HOT SHUTDOWN.											
SCHEDULE:	(ORIGINAL) NRR ISSUED A LETTER TO LICENSEES OF OPERATING PLANTS ON THIS GENERIC SUBJECT ON 11/28/78, REQUESTING LIMITED PURGING AND JUSTIFICATION FOR ANY ADDITIONAL PURGING. SINCE APPLICANTS FOR OPERATING LICENSES ARE REQUIRED TO COMPLY WITH THESE PROVISIONS PRIOR TO OL, NO LETTERS ISSUED TO APPLICANTS.											
ACCOMPLISHMENTS:	LETTER ISSUES 11/28/78.											
CURRENT STATUS:	COMPLETE											
ISSUES:	NONE.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.E.4.4(2)	1	COMPLETE		NO	FY81	08/18/81	NRR	DAVE VERRELLI	28434	DL	ORAB	
							NRR	DAVID SHUM	29414	DSI	CSB	*
TITLE:	CONTAINMENT DESIGN - PURGING											
PURPOSE:	TO RE-EVALUATE THE ACCEPTABILITY OF PURGING/VENTING NUCLEAR POWER PLANT CONTAINMENTS DURING THE REACTOR OPERATING MODES OF STARTUP, POWER OPERATION, HOT STANDBY AND HOT SHUTDOWN.											
SCHEDULE:	NRR ISSUED A LETTER ON OCTOBER 22, 1979 TO LICENSEES OF OPERATING PLANTS ON THE SUBJECT OF CONTAINMENT VENT AND PURGE DURING NORMAL OPERATION THAT DIRECTED ORS TO MEET THE "INTERIM POSITION FOR CONTAINMENT PURGE & VENT VALVE OPERATION PENDING RESOLUTION OF ISOLATION VALVE OPERABILITY." OL APPLICANTS MUST ALSO COMPLY.											
ACCOMPLISHMENTS:	LETTER ISSUED 10/22/79.											
CURRENT STATUS:	COMPLETE											
ISSUES:	NONE											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.E.4.4(3)	1	COMPLETE		NO	FY81	08/18/81	NRR	DAVID SHUM	29414	DSI	CSB	
							NRR	W. PASEDAG				*
							NRR	J. BEARD				
TITLE:	CONTAINMENT DESIGN - PURGING											
PURPOSE:	TO RE-EVALUATE THE ACCEPTABILITY OF PURGING/VENTING NUCLEAR POWER PLANT CONTAINMENTS DURING THE REACTOR OPERATING MODES OF STARTUP, POWER OPERATION, HOT STANDBY AND HOT SHUTDOWN.											
SCHEDULE:	NRR ISSUED A LETTER TO LICENSEES ON SEPTEMBER 27, 1979 ON THE SUBJECT OF CONTAINMENT PURGING AND VENTING DURING NORMAL OPERATION AND GUIDELINES FOR VALVE OPERABILITY. CURRENT APPLICANTS ARE EXPECTED TO COMPLY WITH THE PROVISIONS PRIOR TO RECEIVING AN OL.											
ACCOMPLISHMENTS:	LETTER ISSUED 09/27/79.											
CURRENT STATUS:	COMPLETE											
ISSUES:	N/A											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.E.4.4(4)	1	ACTIVE	RED	NO	FY82	01/19/82	NRR	WALTER PASEDAG	24993	DSI	AEB	010778 *
							NRR	DAVID SHUM	28698	DSI	CSB	

TITLE:..... CONTAINMENT DESIGN - PURGING (NRR)

PURPOSE:..... EVALUATE THE OFF-SITE RADIOLOGICAL CONSEQUENCES OF CONTAINMENT PURGING AND VENTING WHILE THE REACTOR IS PRESSURIZED. RECOMMEND CHANGES TO PURGING AND VENTING REQUIREMENTS BASED ON THIS EVALUATION (IF NECESSARY).

SCHEDULE:..... (ORIGINAL)

04/80 - NRR WILL COMPLETE GENERIC EVALUATION OF THE RADIOLOGICAL CONSEQUENCES OFF-SITE OF PURGING AND VENTING WHILE THE REACTOR IS PRESSURIZED.

12/81 - ISSUE MODIFIED PURGING AND VENTING REQUIREMENTS.

(CURRENT)

10/79C - TECHNICAL ASSISTANCE CONTRACT ISSUED TO EXXON (FIN A6159) TO PERFORM GENERIC EVAL. OF RADIOLOGICAL CONSEQUENCES OFF-SITE OF PURGING AND VENTING WHILE THE REACTOR IS PRESSURIZED.

09/80C - EXXON FINAL REPORT RECEIVED: ENI-134, "A METHOD FOR ESTIMATING THYROID DOSE RESULTING FROM PRIMARY COOLANT LEAKS WHEN PURGING CONTAINMENT."

12/81 - COMPLETE GENERIC SER RELATED TO RADIOLOGICAL CONSEQUENCES OFFSITE OF PURGING AND VENTING. RECOMMEND MODIFICATIONS (IF REQUIRED) TO CURRENT PURGE AND VENT REQUIREMENTS BASED UPON GENERIC SER.

01/82 - RECOMMENDED MODIFICATIONS (IF ANY) TO CURRENT PURGE AND VENT REQUIREMENTS SENT FROM DSI TO DST FOR EVALUATION.

04/82 - DST'S EVALUATION OF PROPOSED NEW REQUIREMENTS (IF ANY) COMPLETE.

06/82 - DL ISSUE LETTERS (IF REQUIRED) TO LICENSEES AND APPLICANTS INFORMING THEM OF MODIFICATIONS.

ACCOMPLISHMENTS:.. SEE COMPLETED MILESTONES INDICATED IN REVISED SCHEDULE ABOVE. IN ADDITION, DRAFT GENERIC SER ON "THE RADIOLOGICAL CONSEQUENCES OF CONTAINMENT VENTING AND PURGING WHILE THE REACTOR IS PRESSURIZED" HAS BEEN COMPLETED BY AEB. DRAFT SER WAS SENT TO RSB, CSB, AND SPEB FOR REVIEW AND COMMENT. COMMENTS HAVE BEEN REQUESTED BY 01/20/82. COMMENTS WILL BE INCORPORATED INTO GENERIC SER.

CURRENT STATUS:... SEE COMPLETED MILESTONES INDICATED IN REVISED SCHEDULE AND ACCOMPLISHMENTS LISTED ABOVE. DUE TO DRAFT GENERIC SER BEING PUBLISHED APPROXIMATELY ONE MONTH LATE. RECOMMENDED MODIFICATIONS (IF ANY) BASED UPON GENERIC SER WILL NOT BE TRANSMITTED TO DST FROM DSI UNTIL 02/82. THIS ONE MONTH SLIP SHOULD NOT AFFECT FOLLOW-ON MILESTONES.

ISSUES:..... RECOMMENDED MODIFICATIONS TO CURRENT REQUIREMENTS (IF ANY) MUST BE FACTORED INTO ONGOING WORK ON MULTIPLANT LICENSING ACTION B-24, "VENTING AND PURGING OF CONTAINMENT WHILE AT FULL POWER AND ITS EFFECTS ON LOCA."

COMMISSION ACTION: NONE

NOTE..... A REVISED BASELINE SCHEDULE FOR THIS ITEM WAS REQUESTED. SEE MEMORANDUM FROM H. DENTON TO W. DIRCKS DATED 01/05/82. THIS ITEM HAS BEEN INCLUDED IN NRR'S FY82 OPERATING PLAN. IF CHANGE REQUEST IS APPROVED, FLAG WILL CHANGE TO GREEN.

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.E.4.4(5)	1	ACTIVE	YELLOW	NO	FY82	01/19/82	NRR	WALTER PASEDAG NRR DAVID SHUM	24993 28698	DSI DSI	AEB CSB	010778 *

TITLE:..... CONTAINMENT DESIGN - PURGING (NRR)
PURPOSE:..... EVALUATE THE OFF-SITE RADIOLOGICAL CONSEQUENCES OF CONTAINMENT PURGING AND VENTING WHILE THE REACTOR IS PRESSURIZED. RECOMMEND CHANGES TO PURGING AND VENTING REQUIREMENTS BASED ON THIS EVALUATION (IF NECESSARY).
SCHEDULE:..... (ORIGINAL)
04/80 - NRR WILL COMPLETE GENERIC EVALUATION OF THE RADIOLOGICAL CONSEQUENCES OFF-SITE OF PURGING AND VENTING WHILE THE REACTOR IS PRESSURIZED.
12/81 - ISSUE MODIFIED PURGING AND VENTING REQUIREMENTS.
(CURRENT)
10/79C - TECHNICAL ASSISTANCE CONTRACT ISSUED TO EXXON (FIN A6159) TO PERFORM GENERIC EVALUATION OF RADIOLOGICAL CONSEQUENCES OFF-SITE OF PURGING AND VENTING WHILE THE REACTOR IS PRESSURIZED.
09/80C - EXXON FINAL REPORT RECEIVED: ENI-134, "A METHOD FOR ESTIMATING THYROID DOSE RESULTING FROM PRIMARY COOLANT LEAKS WHEN PURGING CONTAINMENT."
12/81 - COMPLETE GENERIC SER RELATED TO RADIOLOGICAL CONSEQUENCES OFFSITE OF PURGING AND VENTING. RECOMMEND MODS (IF REQUIRED) TO CURRENT PURGE AND VENT REQUIREMENTS BASED UPON GENERIC SER.
01/82 - RECOMMENDED MODIFICATIONS (IF ANY) TO CURRENT PURGE AND VENT REQUIREMENTS SENT FROM DSI TO DST FOR EVALUATION.
04/82 - DST'S EVALUATION OF PROPOSED NEW REQUIREMENTS (IF ANY) COMPLETE.
06/82 - DL ISSUE LETTERS (IF REQUIRED) TO LICENSEES AND APPLICANTS INFORMING THEM OF MODIFICATIONS.
ACCOMPLISHMENTS:.. SEE COMPLETED MILESTONES INDICATED IN REVISED SCHEDULE ABOVE. IN ADDITION, DRAFT GENERIC SER ON THE RADIOLOGICAL CONSEQUENCES OF CONTAINMENT VENTING AND PURGING WHILE THE REACTOR IS PRESSURIZED" HAS BEEN COMPLETED BY AEB. DRAFT SER WAS SENT TO RSB, CSB, AND SPEB FOR REVIEW AND COMMENT. COMMENTS HAVE BEEN REQUESTED BY 01/20/82. COMMENTS WILL BE INCORPORATED INTO GENERIC SER.
CURRENT STATUS:... SEE COMPLETED MILESTONES INDICATED IN REVISED SCHEDULE AND ACCOMPLISHMENTS LISTED ABOVE. DUE TO DRAFT GENERIC SER BEING PUBLISHED APPROXIMATELY ONE MONTH LATE, RECOMMENDED MODIFICATIONS (IF ANY) BASED UPON GENERIC SER WILL NOT BE TRANSMITTED TO DST FROM DSI UNTIL 02/82. THIS ONE MONTH SLIP SHOULD NOT AFFECT FOLLOW-ON MILESTONES.
ISSUES:..... RECOMMENDED MODIFICATIONS TO CURRENT REQUIREMENTS (IF ANY) MUST BE FACTORED INTO ONGOING WORK ON MULTIPLANT LICENSING ACTION B-24, "VENTING AND PURGING OF CONTAINMENT WHILE AT FULL POWER AND ITS EFFECTS ON LOCA."
COMMISSION ACTION: NONE
NOTE..... A REVISED BASELINE SCHEDULE FOR THIS ITEM WAS REQUESTED. SEE MEMORANDUM FROM H. DENTON TO W. DIRCKS DATED 01/05/82. FLAG WILL CHANGE TO GREEN IF APPROVED. THIS ITEM HAS BEEN INCLUDED IN NRR'S FY82 OPERATING PLAN.

CHAPTER... PR... STATUS... FLAG... ACTION COMP DATE REVISED OFFICE... CONTACT'S NAME... PHONE DIVSN BRANCH TACS #
 II.E.5.1 2 ACTIVE RED NO FY82 01/19/82 NRR WALT JENSEN 27139 DSI RSB 00376 *

TITLE:..... DESIGN EVALUATION OF B&W REACTORS (NRR)
 PURPOSE:..... (1) TO EVALUATE THE NECESSITY OF HALTING CONSTRUCTION OF B&W-DESIGNED PLANTS UNDER CONSTRUCTION PENDING COMPLETION OF ONGOING STUDIES REGARDING THE SENSITIVITY OF B&W PLANTS TO FEEDWATER TRANSIENTS.
 (2) EVALUATE APPLICANTS' PROPOSED MODIFICATIONS AIMED AT REDUCING THE SENSITIVITY OF B&W PLANTS TO SECONDARY SIDE PERTURBATIONS PRIOR TO ISSUANCE OF OL.
 (3) BASED ON ITEM (2) ABOVE EVALUATE THE GENERIC APPLICABILITY OF PROPOSED MODIFICATIONS FOR POSSIBLE BACKFIT FOR OR'S.

SCHEDULE:..... (ORIGINAL)
 10/25/79 - ORDERS ISSUED TO B&W CONSTRUCTION PERMIT HOLDERS.
 N/S - RESPONSES RECEIVED AND ARE UNDER REVIEW.
 04/00/80 - REQUESTS FOR ADDITIONAL INFORMATION WILL BE SENT TO APPLICANTS.
 06/00/80 - COMPLETE STAFF EVALUATION.
 09/00/80 - REQUIREMENTS FOR CHANGES IN DESIGN OR PROCEDURES WILL BE SENT TO APPLICANTS AND LICENSEES OF B&W REACTORS.
 (CURRENT)
 10/25/79C - 10 CFR 50.54 (F) LETTERS ISSUED TO B&W CONSTRUCTION PERMIT HOLDERS FOR MIDLAND 1&2, WNP 1&4, BELLEFONTE AND NORTH ANNA 3.
 12/04/79C - RESPONSES RECEIVED FROM B&W APPLICANTS.
 01/22/80C - STAFF EVALUATION OF NECESSITY TO HALTING CONSTRUCTION COMPLETE. EVALUATION SUPPORTED CONTINUED CONSTRUCTION. EVALUATION TRANSMITTED BY MEMORANDUM FROM H. DENTON TO COMMISSIONERS, DATED 01/22/80.
 04/07/80C - TECHNICAL ASSISTANCE CONTRACT AWARDED TO ANL TO HELP EVALUATE TECHNICAL MERIT OF APPLICANTS' PROPOSED MODIFICATIONS TO REDUCE PLANT SENSITIVITY TO FEEDWATER TRANSIENTS.
 04/15/80C - ACRS REVIEW OF STAFF POSITION REGARDING CONTINUED CONSTRUCTION OF B&W-DESIGNED PLANTS.
 04/25/80C - LETTERS ISSUED TO B&W APPLICANTS INFORMING THEM OF NRC'S DECISION TO ALLOW CONTINUED CONSTRUCTION. LETTERS ALSO INFORMED APPLICANTS THAT STUDIES WERE ONGOING THAT MIGHT RESULT IN THE NRC IMPOSING ADDITIONAL REQUIREMENTS PRIOR TO ISSUANCE OF AN OL.
 07/30/81C - ANL FINAL REPORT ON B&W SENSITIVITY COMPLETE.
 08/27/81C - SER INPUT COMPLETE FOR LEAD B&W OL APPLICANT (MIDLAND 1&2).
 02/01/82 - COMPLETE REVIEW OF II.E.5.1 FOR OPERATING REACTORS. REVIEW WILL BE BASED ON THE II.E.5.1 EVALUATION FOR MIDLAND 1&2 AND ANL STUDY. PURPOSE TO EVALUATE POSSIBLE OR BACKFIT MODIFICATIONS. DSI RECOMMENDATIONS WILL BE FORWARDED TO DST FOR EVALUATION (IF REQUIRED).
 05/01/82 - DST'S EVALUATION OF PROPOSED NEW REQUIREMENTS TO BE COMPLETED (IF REQUIRED).
 08/01/82 - DL ISSUE LETTER TO B&W LICENSEES REQUESTING CHANGES IN HARDWARE OR PROCEDURES (IF REQUIRED).

ACCOMPLISHMENTS:.. SEE COMPLETED MILESTONES INDICATED UNDER CURRENT SCHEDULE ABOVE.
 CURRENT STATUS:... SEE COMPLETED MILESTONES INDICATED UNDER CURRENT SCHEDULE ABOVE.
 ISSUES:..... (1) SENSITIVITY ISSUE REVIEW DELAYED BY CR-3 EVENT OF 02/26/80. SENSITIVITY RECOMMENDATIONS OF NUREG-0667, "TRANSIENT RESPONSE OF BABCOCK & WILCOX-DESIGNED REACTORS," WERE INCORPORATED INTO ANL'S REVIEW.
 (2) A REVISED BASELINE SCHEDULE WAS REQUESTED TO REFLECT CURRENT RESOURCES AND PRIORITIES. SEE MEMORANDUM FROM H. DENTON TO W. DIRCKS DATED 01/05/82.
 (3) THIS ITEM IS INCLUDED IN NRR'S FY82 OPERATING PLAN.

COMMISSION ACTION: NONE.
 NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.
 FLAG WILL CHANGE TO GREEN IF APPROVED.

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.E.5.2	2	REQUIREMENT	GREEN	NO	FY81	08/13/81	NRR	JOSE CALVO	28563	DL	ORAB	*
TITLE:	B&W REACTOR TRANSIENT RESPONSE TASK FORCE (NRR)											
PURPOSE:	ASSESS TRANSIENT RESPONSE OF B&W OPERATING PLANTS AND RECOMMEND ANY ADDITIONAL LICENSING REQUIREMENTS WHICH WILL ASSURE SATISFACTORY RESPONSE TO ANTICIPATED OPERATIONAL TRANSIENTS.											
SCHEDULE:	(ORIGINAL) ISSUE TASK FORCE REPORT 05/80. (CURRENT) ISSUE TASK FORCE REPORT - NUREG-0667 05/80. DST REVIEW 8/80. ISSUE IMPLEMENTATION PLAN 05/81.											
ACCOMPLISHMENTS:	NUREG-0667 HAS BEEN ISSUED (05/80). IMPLEMENTATION PLAN ISSUED (05/81).											
CURRENT STATUS:	THE DIVISION OF LICENSING HAS PREPARED AN IMPLEMENTATION PACKAGE. THE IMPLEMENTATION IS BEING RECONCILED WITH THE IMPLEMENTATION OF ACTION ITEMS OF NUREGS-0660 AND 0737, AND OTHER NRC REQUIREMENTS CURRENTLY BEING IMPLEMENTED FOR OPERATING REACTORS. LAINAS TO EISENHUT MEMO DATED 12/15/81 STATES THAT ALL CATEGORY A ITEMS ARE OR WILL BE ACCOMPLISHED IN EXISTING PROGRAMS. CATEGORY B ITEMS ARE TO BE PRIORITIZED BY SAFETY PROGRAM EVALUATION BRANCH, DST.											
ISSUES:	MANY IMPLEMENTATION ITEMS IN NUREG-0667 ARE COVERED BY OTHER NRC REQUIREMENTS. REMAINING ITEMS TO BE RECONSIDERED BY DST.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.E.6	-	INACTIVE	GREEN	NO	FY82	01/12/82	NRR	ROBERT LAGRANGE	28568	DE	EQB	042416 *
TITLE:	IN SITU TESTING OF VALVES - TEST ADEQUACY STUDY (NRR)											
PURPOSE:	PURPOSE OF THIS PROGRAM IS TO ESTABLISH THE ADEQUACY OF CURRENT REQUIREMENTS FOR VALVE TESTING IN PROVIDING ASSURANCE OF VALVE FUNCTIONS. SCOPE IS LIMITED TO SAFETY-RELATED VALVES.											
SCHEDULE:	(ORIGINAL) INITIATION DATE WAS EXPECTED BEGINNING OF FY81. (CURRENT) SINCE TECHNICAL ASSISTANCE MONEY FROM DST IS NOT AVAILABLE FOR THIS ITEM IN FY-82, NO FURTHER GENERIC EFFORT WILL BE PERFORMED. WORK RELATIVE TO THIS ITEM, HOWEVER, WILL BE PERFORMED FOR EACH SPECIFIC PLANT WHEN ITS VALVE QUALIFICATION PROGRAM IS REVIEWED. THEREFORE, NO SPECIFIC COMPLETION DATE CAN BE ASSIGNED TO THIS ITEM.											
ACCOMPLISHMENTS:	ONE RECENTLY ISSUED AND TWO DRAFT ANSI STANDARDS CONCERNING FUNCTIONAL SPECIFICATIONS AND QUALIFICATION REQUIREMENTS FOR VALVES HAVE BEEN REVIEWED, EVALUATED, AND COMPARED AGAINST THE SRP CRITERIA.											
CURRENT STATUS:	INACTIVE.											
ISSUES:	NONE											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	IACS #
II.F.1	(1)	1	REQUIREMENT	GREEN	NO	10/81 08/26/81	NRR	DAVE VERRELLI NRR PHIL STODDART	28434 DL 27682 DSI	ORAB ETSB		*
TITLE:	ADDITIONAL ACCIDENT MONITORING INSTRUMENTATION (NRR)											
PURPOSE:	REQUIRES PARTICULATE AND RADIOIODINE SAMPLING OF GASEOUS EFFLUENT STREAMS AND THE CAPABILITY TO ANALYZE THESE SAMPLES IN AN ACCIDENT.											
SCHEDULE:	(ORIGINAL) NUREG-0578 PUBLISHED - 01/81 (CURRENT) COMPLETE MODIFICATIONS AND INSTALLATION 01/82.											
ACCOMPLISHMENTS:	NUMEROUS MEETINGS HAVE BEEN HELD WITH INSTRUMENTATION VENDORS AND UTILITIES											
CURRENT STATUS:	OPERATING PLANTS AND OL APPLICANTS MUST COMPLETE MODIFICATIONS BY 01/82. NRC POSITION IS DESCRIBED IN FINAL CLARIFICATION LETTER, NUREG-0737. REVIEWS ARE LIMITED TO REQUESTED DEVIATIONS FROM STAFF POSITION.											
ISSUES:	THIS ITEMS IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	IACS #
II.F.1	(2)	1	REQUIREMENT	GREEN	NO	10/81 08/26/81	NRR	DAVE VERRELLI NRR PHIL STODDART	28434 DL 27682 DSI	ORAB ETSB		*
TITLE:	ADDITIONAL ACCIDENT MONITORING INSTRUMENTATION (NRR)											
PURPOSE:	REQUIRES HIGH RANGE NOBLE GAS EFFLUENT MONITORS TO BE INSTALLED											
SCHEDULE:	(ORIGINAL) NUREG-0578 PUBLISHED -01/81 (CURRENT) COMPLETE INSTALLATION - 01/82.											
ACCOMPLISHMENTS:	NUMEROUS MEETINGS HAVE BEEN HELD WITH INSTRUMENTATION VENDORS AND UTILITIES TO DISCUSS PROPOSED DESIGNS. PRELIMINARY APPROVAL GIVEN TO A FEW PROPOSALS VIA DOCKET CORRESPONDENCE.											
CURRENT STATUS:	OPERATING PLANTS AND OL APPLICANTS MUST COMPLETE MODIFICATIONS BY 01/82. NRC POSITION IS DESCRIBED IN FINAL CLARIFICATION LETTER, NUREG-0737. REVIEWS ARE LIMITED TO REQUESTED DEVIATIONS FROM STAFF POSITION.											
ISSUES:	THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.F.1 (3)	1	REQUIREMENT	GREEN	NO	10/81	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
							NRR	FRANK SKOPEC	29436	DSI	RAB	
TITLE:	ADDITIONAL ACCIDENT MONITORING INSTRUMENTATION (NRR)											
PURPOSE:	PROVIDE ACCURATE MEASUREMENT OF IN-CONTAINMENT RADIATION LEVELS AFTER AN ACCIDENT.											
SCHEDULE:	(ORIGINAL) REQUIREMENT ISSUED (2.1.8.B OF L2); INSTALL MONITORS 01/81. (CURRENT) INSTALL MONITORS 01/82.											
ACCOMPLISHMENTS:	CATEGORY A SERS, 03/80; CLARIFICATION IN NUREG-0737, 11/80.											
CURRENT STATUS:	REVIEW IS LIMITED TO REQUESTED DEVIATIONS FROM POSITION; FOR REMAINING PLANTS, IE VERIFICATION WILL BE PERFORMED. A CONTRACT TO EVALUATE LICENSEES' PROPOSED ALTERNATIVES IS BEING PREPARED.											
ISSUES:	THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED IN THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.F.1 (4)	1	REQUIREMENT	GREEN	NO	07/82	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
							NRR	MEL FIELDS	29417	DSI	ICSB	
							IE					
TITLE:	ADDITIONAL ACCIDENT MONITORING INSTRUMENTATION (NRR)											
PURPOSE:	TO IMPROVE PLANT CAPABILITY FOR POST-ACCIDENT MONITORING OF THE CONTAINMENT PRESSURE											
SCHEDULE:	(ORIGINAL) IMPLEMENTATION OF REQUIREMENTS BY 01/81 FOR LICENSEES AND NEW OPERATING LICENSES, AND BEFORE OL ISSUANCE AFTER 11/81. (CURRENT) DESIGN MODIFICATIONS SHALL BE COMPLETED BY 01/82, OR BEFORE OPERATING LICENSE ISSUANCE, WHICHEVER IS LATER.											
ACCOMPLISHMENTS:	NUREG-0737 ISSUED TO LICENSEES AND APPLICANTS 11/80 ON CLARIFICATION OF TMI ACTION PLAN REQUIREMENTS.											
CURRENT STATUS:	SUBMITTALS DUE 01/82.											
ISSUES:	THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED BY THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.F.1 (5)	1	REQUIREMENT	GREEN	NO	07/82	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
							NRR	MEL FIELDS	29417	DSI	ICSB	
TITLE:	ADDITIONAL ACCIDENT MONITORING INSTRUMENTATION (NRR)											
PURPOSE:	TO IMPROVE PLANT CAPABILITY FOR POST-ACCIDENT MONITORING OF CONTAINMENT WATER LEVEL											
SCHEDULE:	(ORIGINAL) IMPLEMENTATION OF REQUIREMENTS BY 01/81 FOR LICENSEES AND NEW OPERATING LICENSES, AND BEFORE OL ISSUANCE AFTER 01/01/81. (CURRENT) DESIGN MODIFICATIONS SHALL BE COMPLETED BY 01/82 OR BEFORE OPERATING LICENSE IS ISSUED, WHICHEVER IS LATER.											
ACCOMPLISHMENTS:	NUREG-0737 ISSUED TO LICENSEES AND APPLICANTS 11/80 ON CLARIFICATION OF TMI ACTION PLAN REQUIREMENTS.											
CURRENT STATUS:	SUBMITTALS DUE 01/82.											
ISSUES:	THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED IN THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.F.1	(6)	1	REQUIREMENT	GREEN	NO	07/82 08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	
							HRR	JAMES SHAPAKER	29416	DSI	CSB	*

TITLE:..... ADDITIONAL ACCIDENT MONITORING INSTRUMENTATION (NRR)
 PURPOSE:..... TO IMPROVE PLANT CAPABILITY FOR POST-ACCIDENT MONITORING OF HYDROGEN CONCENTRATIONS INSIDE CONTAINMENT.
 SCHEDULE:..... (ORIGINAL) IMPLEMENTATION OF REQUIREMENTS BY 01/81 FOR LICENSEES AND NEW OPERATING LICENSES, AND BEFORE OL ISSUANCE AFTER 01/01/81.
 (CURRENT) DESIGN MODIFICATIONS SHALL BE COMPLETED BY 01/82, OR BEFORE AN OPERATING LICENSE IS ISSUED, WHICHEVER IS LATER.
 ACCOMPLISHMENTS:.. NUREG-0737 ISSUED TO LICENSEES AND APPLICANTS 11/80 ON CLARIFICATION OF TMI ACTION PLAN REQUIREMENTS.
 CURRENT STATUS:... SUBMITTALS DUE 01/82.
 ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.F.2		1	REQUIREMENT	GREEN	YES	03/82 08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	042028
							NRR	LARRY PHILLIPS	29472	DSI	CPB	*

TITLE:..... IDENTIFICATION OF AND RECOVERY FROM CONDITIONS LEADING TO INADEQUATE CORE COOLING (NRR)
 PURPOSE:..... TO ASSURE ADEQUACY OF SYSTEMS AND METHODS TO IDENTIFY AND PROVIDE RECOVERY FROM CONDITIONS LEADING TO INADEQUATE CORE COOLING.
 SCHEDULE:..... (ORIGINAL) 01/82
 (CURRENT) LICENSEE INSTALLATION OF REACTOR VESSEL WATER LEVEL MEASURING SYSTEM BY 1/1/82.
 ACCOMPLISHMENTS:.. (A) MEETINGS HELD WITH INDUSTRY ON STATUS OF INSTRUMENTS TO MEASURE CORE COOLANT LEVEL IN IDAHO FALLS ON OCTOBER 17, 1980 AND IN GAITHERSBURG ON OCTOBER 28, 1980.
 (B) COMMISSION PAPER PREPARED SUMMARIZING THE RESULTS OF THESE MEETINGS AND REAFFIRMING THE 01/01/81 SUBMITTED DATE FOR DESIGN REVIEW AND 01/01/82 FOR IMPLEMENTATION (AS PROVIDED FOR IN NUREG-0737). (C) WESTINGHOUSE LEVEL MEASUREMENT SYSTEM INSTALLED IN SEMISCALE FOR TESTING. (D) DRAFTED NEGATIVE RESPONSE TO NSP REQUEST FOR PRAIRIE ISLAND INSTALLATION DELAY FOR A LONG RANGE RESEARCH PROGRAM.
 CURRENT STATUS:... A DESCRIPTION OF POSITION, CLARIFICATION, APPLICABILITY, IMPLEMENTATION, TYPE OF REVIEW DOCUMENTATION REQUIRED AND TECHNICAL SPECIFICATION CHANGES REQUIRED HAS BEEN GIVEN IN NUREG-0737. A TECHNICAL ASSISTANCE CONTRACT HAS BEEN GIVEN TO ORNL TO REVIEW THE DOCUMENTATION REQUIRED BY JANUARY 1, 1981.
 ISSUES:..... SOME HSSS VENDORS HAVE NOT PROPOSED THE REACTOR VESSEL WATER LEVEL MEASUREMENT SYSTEMS. SOME PROPOSED REACTOR VESSEL WATER LEVEL INSTRUMENTS ARE BEING PREPARED FOR TESTS. PRE-IMPLEMENTATION REVIEWS OF GENERAL DESIGNS WILL BE CONDUCTED; POST-IMPLEMENTATION REVIEWS OF PLANT-SPECIFIC MODIFICATIONS WILL BE CONDUCTED. THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).
 COMMISSION ACTION: REVIEW

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.F.3	2	ACTIVE	GREEN	NO	FY83	11/20/81	RES NRR IE	ALAN HINTZE J. ROSENTHAL V. THOMAS	35966	DFO	ICB	*

TITLE:..... INSTRUMENTATION FOR MONITORING ACCIDENT CONDITIONS (REG. GUIDE 1.97) (RES)
PURPOSE:..... ISSUE AN EFFECTIVE REG GUIDE 1.97 "INSTRUMENTATION FOR LIGHT - WATER - COOLED NUCLEAR
POWER PLANTS TO ASSESS PLANT AND ENVIRONS DURING AND FOLLOWING AN ACCIDENT."
SCHEDULE:..... (ORIGINAL) ISSUE AN EFFECTIVE GUIDE - 10/80.
(CURRENT) RESUBMIT TO ACRS - 10/80. EFFECTIVE REG GUIDE 1.97 ISSUED 12/80. INITIATE
REVIEW OF SYSTEMS - FY82; COMPLETE REVIEW - FY83.
ACCOMPLISHMENTS:.. COMPLETED REG GUIDE.
CURRENT STATUS:... ISSUED 12/80.
ISSUES:..... THE GUIDE REQUIRES ENVIRONMENTAL QUALIFICATION OF: 1) EQUIPMENT WHICH HAS BEEN
QUALIFIED BUT IS IN SHORT SUPPLY AND 2) EQUIPMENT NOT PREVIOUSLY QUALIFIED.
LICENSEES WILL HAVE DIFFICULTY MEETING THE CURRENT IMPLEMENTATION DATE OF 06/83
UTILIZING QUALIFIED EQUIPMENT.

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.F.4	3	INACTIVE	GREEN	NO	FY83	01/19/82	NRR	ERNIE ROSSI	27140	DSI	ICSB	043286 *

TITLE:..... STUDY OF CONTROL AND PROTECTION ACTION DESIGN REQUIREMENTS (NRR)
PURPOSE:..... TO ADDRESS THREE SPECIFIC RECOMMENDATIONS RELATED TO CONTROL AND PROTECTION OF SYSTEM
DESIGNS. THE RECOMMENDATIONS MADE BY THE SPECIAL INQUIRY GROUP ARE:
(1) AUTOMATIC REACTOR PROTECTION ACTIONS SHOULD BE DERIVED FROM INDEPENDENT PROCESS
VARIABLES;
(2) AUTOMATIC ACTIONS THROUGH COINCIDENCE OF INDEPENDENT PROCESS VARIABLES SHOULD BE
LIMITED FOR NONREACTOR PROTECTIONS; AND
(3) CONTROL CIRCUIT COMPONENTS SHOULD BE DESIGNED AND PERIODICALLY TESTED AT
EXPECTED DEGRADED POWER SUPPLY CONDITIONS TO ENSURE THAT THEY ARE CAPABLE
OF PERFORMING THEIR INTENDED FUNCTION.
SCHEDULE:..... (ORIGINAL) SCHEDULES & RESOURCES WILL BE DEVELOPED IN CONNECTION WITH ROUTINE AGENCY
BUDGETARY PROCESSES.
(CURRENT) BEGIN FY83.
ACCOMPLISHMENTS:.. NONE
CURRENT STATUS:... NO WORK HAS BEEN INITIATED. PRESENTLY NO MANPOWER IS AVAILABLE TO BEGIN THE TASK.
ISSUES:..... THIS ITEM IS NOT INCLUDED IN NRR'S FY82 OPERATING PLAN.

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.F.5	2	ACTIVE	YELLOW	NO	FY82	05/15/81	RES NRR	ERIC WEISS C. ROSSI		DF0	ICSB	*
TITLE:	CLASSIFICATION OF INSTRUMENTATION, CONTROL, AND ELECTRICAL EQUIPMENT (RES)											
PURPOSE:	PREPARE A STANDARD IN CONJUNCTION WITH IEEE THAT WILL ALLOW CLASSIFYING INSTRUMENTATION, CONTROL AND ELECTRICAL SYSTEMS BASED ON THEIR LEVEL OF IMPORTANCE TO SAFETY. ISSUE AN EFFECTIVE REG. GUIDE ENDORSING THIS STANDARD WHICH IS NOW DESIGNATED IEEE P-827.											
SCHEDULE:	(ORIGINAL) DEVELOP DRAFT STANDARD FOR NRC AND IEEE MANAGEMENT REVIEW - 09/80. ISSUE REG. GUIDE FOR PUBLIC COMMENT - EARLY 1981. (CURRENT) REVIEW FIRST DRAFT WHEN RECEIVED - 10/80. ISSUE REG. GUIDE FOR PUBLIC COMMENT - LATE 1982.											
ACCOMPLISHMENTS:	DRAFT OF P-827 REVIEWED BY THE IEEE NUCLEAR POWER ENGINEERING COMMITTEE (NPEC) - 03/81.											
CURRENT STATUS:	NPEC REVIEW RESULTED IN STANDARD RETURNED TO WORK GROUP FOR IMPROVEMENT NEXT MEETING 06/81.											
ISSUES:	AN UNDERLYING PROBLEM EVIDENT IN WORK TO DATE IS THAT WHILE THE WORKING GROUP RECOGNIZES THIS EFFORT AS A CHARTING OF NEW METHODS BASED ON MORE ENLIGHTENED THINKING, THERE IS A GREAT RELUCTANCE ON THE PART OF MANY MEMBERS TO DEPART FROM TRADITION OR TO CHALLENGE OLD WAYS OF DOING BUSINESS.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.G.1	1	COMPLETE		NO	FY81	08/26/81	NRR NRR IE	DAVE VERRELLI ROBERT FITZPATRICK MIKE KIDD	28434	DL	ORAB PSB	*
TITLE:	POWER SUPPLIES FOR PRESSURIZER RELIEF VALVES, BLOCK VALVES, AND LEVEL INDICATIONS (HRR) (REVIEW CONTAINMENT ISOLATION INITIATION DESIGN AND PROCEDURES)											
PURPOSE:	ENHANCES THE CAPABILITY OF CONTROL AND MONITOR THE CONDITION OF THE PRESSURIZER GIVEN A LOSS OF OFFSITE POWER BY MAKING EMERGENCY STANDBY POWER AVAILABLE.											
SCHEDULE:	(ORIGINAL) OPERATING REACTORS - COMPLETE 05/80. NTOLS COMPLETE BY OL DATE. (CURRENT) LICENSE APPLICATIONS TO BE COMPLETED DURING CASE REVIEW.											
ACCOMPLISHMENTS:	OPERATING REACTOR REVIEWS WERE CONDUCTED BY THE LESSONS LEARNED REVIEW TASK FORCES AND ARE COMPLETE.											
CURRENT STATUS:	COMPLETE											
ISSUES:	THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
II.H.1	1	ACTIVE	GREEN	YES	FY81	01/15/82	NRR	BERNIE SNYDER	27761	TMIPO	DIR	*
TITLE:.....	MAINTAIN SAFETY OF TMI-2 AND MINIMIZE ENVIRONMENTAL IMPACT (NRR)											
PURPOSE:.....	THIS TASK COVERS THE EFFORTS BY NRR TO ASSURE THAT (1) REACTOR SAFETY AND REACTOR BUILDING INTEGRITY ARE MAINTAINED, (2) THE RECOVERY OPERATIONS ARE PERFORMED IN SUCH A MANNER THAT THE HEALTH AND SAFETY OF ONSITE PERSONNEL AND THE PUBLIC ARE PROTECTED, AND (3) THE ENVIRONMENTAL IMPACT OF THE RECOVERY OPERATIONS IS MINIMIZED.											
SCHEDULE:.....	(ORIGINAL) ISSUED THE DRAFTS PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT - 08/80. (CURRENT) SEE CURRENT STATUS.											
ACCOMPLISHMENTS:..	ISSUED THE FINAL PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT AHEAD OF SCHEDULE ON FEBRUARY 27, 1981.											
CURRENT STATUS:...	THE CLEANUP AND RECOVERY OPERATIONS ARE CURRENTLY IN PROGRESS. THE DRAFT PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT WAS ISSUED FOR PUBLIC COMMENT ON AUGUST 14, 1980 AND COMMENT PERIOD ENDED ON NOVEMBER 20, 1980. THE FINAL PROGRAM AND ENVIRONMENTAL IMPACT STATEMENT WAS COMPLETE ON FEBRUARY 27, 1981 AND THE COMMISSION WAS BRIEFED ON MARCH 9, 1981.											
ISSUES:.....	THE SCOPE AND SCHEDULE OF THIS TASK MAY CHANGE SIGNIFICANTLY DEPENDING ON SUCH FACTORS AS AVAILABILITY OF FUNDS TO THE LICENSEE FOR CLEANUP OPERATIONS AND THE CONDITION OF THE REACTOR BUILDING AND FUEL, AND THE PUBLIC (LICENSING BOARD) HEARINGS NECESSARY.											
COMMISSION ACTION:	COMMISSION ISSUED POLICY STATEMENT ON 4/28/81 ENDORSING PEIS, AND DELEGATING AUTHORITY FOR STAFF APPROVAL OF CLEANUP ACTIVITIES WHICH ARE WITHIN SCOPE OF PEIS (EXCEPT FOR DISPOSITION OF ACCIDENT-GENERATED PROCESSED WATER).											

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
II.H.2	2	ACTIVE	YELLOW	NO	FY81	11/20/81	RES	RON FOULDS IE MIKE KIDD NRR BERNIE SNYDER	74323	DAE	FBB	*
TITLE:.....	OBTAIN TECHNICAL DATA ON THE CONDITIONS INSIDE THE TMI-2 CONTAINMENT STRUCTURE (RES)											
PURPOSE:.....	INFORMATION IS TO BE OBTAINED ON FISSION PRODUCT TRANSPORT AND DEPOSITION IN THE CONTAINMENT AND AUXILIARY BUILDINGS (INCLUDING EXAMINATION OF SUMP WATER), ON INSTRUMENT AND ELECTRICAL EQUIPMENT SURVIVABILITY, ON TECHNOLOGY REQUIRED FOR DECONTAMINATION AND WASTE DISPOSAL, ON PRIMARY SYSTEM COMPONENT CONDITIONS, ON REACTOR VESSEL, AND ON REACTOR CORE AND FUEL CONDITIONS.											
SCHEDULE:.....	(ORIGINAL) CONCLUDE AGREEMENT WITH DOE, EPRI AND GPU 02/80; DEVELOP INITIAL PLANS FOR EACH IDENTIFIED TASK 11/80; REMOVE AND EXAMINE AN INSTRUMENT FROM CONTAINMENT 03/81. (CURRENT) RECONVENE TECHNICAL WORKING GROUP JUNE 1981 TO EVALUATE NEW DOE RESEARCH PLANS.											
ACCOMPLISHMENTS:..	A RADIATION MONITOR REMOVED FROM CONTAINMENT (08/15/80) HAS BEEN EVALUATED BY SANDIA. A SEMINAR EXPLAINING THE PROGRAMS TO PROSPECTIVE INTERNATIONAL PARTICIPANTS WAS HELD NOV 21-22. RADIATION SURVEYS INSIDE CONTAINMENT ARE BEING MADE EACH MONTH IN 1981.											
CURRENT STATUS:...	INITIAL PLANS FOR EACH OF THE SEVEN IDENTIFIED TASK AREAS HAVE BEEN COMPILED FOR IMPLEMENTATION UNDER FUNDING PROVIDED PRIMARILY BY DOE AND EPRI. COMMENTS WILL SOON BE SOLICITED FROM INDUSTRY. INTERNATIONAL PARTICIPATION IN THE INFORMATION GATHERING IS BEING CONSIDERED IN CERTAIN CASES.											
ISSUES:.....	THE ABILITY TO CARRY OUT THE EXAMINATION PROGRAMS MAY BE SEVERELY IMPACTED BY CUT BACKS IN GPU ACTIVITIES DUE TO THEIR CRITICAL LACK OF MONEY. A SEVERE PROBLEM COULD ARISE IF THEY ARE FINANCIALLY UNABLE TO CONTINUE THE CLEANUP.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.H.3	2	ACTIVE	GREEN	NO	FY81	01/15/82	NRR	BERNIE SHYDER	27761	TMIPD		*
TITLE:	EVALUATE AND FEEDBACK INFORMATION OBTAINED FROM TMI (NRR)											
PURPOSE:	NRR WILL EVALUATE THE RESEARCH AND ANALYSIS RESULTS FROM TMI CLEANUP PROGRAMS FOR SAFETY SIGNIFICANCE, REVISE REGULATORY PROGRAMS AS APPROPRIATE, ESTABLISH BACKFITTING AND FORWARD-FITTING CRITERIA, AND IMPLEMENT THE REVISED REGULATORY PROGRAMS IN ACCORDANCE WITH THESE CRITERIA.											
SCHEDULE:	(ORIGINAL) EVALUATION OF TECHNICAL DATA OBTAINED IS CONTINUAL EFFORT BY NRR THROUGHOUT THE TMI CLEANUP AND RECOVERY OPERATIONS. (CURRENT) VARIOUS CRITERIA WILL BE MET AS CLEANUP AND EVALUATION OF TECHNICAL DATA PROCEED BETWEEN 1980 AND 1982.											
ACCOMPLISHMENTS:	(1) COMPLETED PROCESSING AND DECONTAMINATION OF ALL OF THE TMI-2 ACCIDENT WASTE WATER IN THE TMI-2 AUXILIARY BUILDING TANKS AND SUMPS (05/80), (2) DECONTAMINATED THE TMI-2 REACTOR BUILDING ATMOSPHERE (06/80), (3) ACCOMPLISHED MAN ENTRIES INTO THE TMI-2 REACTOR BUILDING (STARTING 07/80 AND CONTINUING), (4) FINAL PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT ISSUED AND APPROVED BY COMMISSION (STATEMENT OF POLICY) ON APRIL 27, 1981, (5) AUTHORIZED USE OF SDS FOR PROCESSING INTERMEDIATE LEVEL CONTAMINATED WATER IN THE REACTOR COOLANT BLEED TANKS AND THE HIGHLY CONTAMINATED WATER IN THE REACTOR BUILDING SUMP AND IN THE REACTOR COOLANT SYSTEM COOLANT SYSTEM ON JUNE 18, 1981, (6) SDS PROCESSED APPROX. 2/3 WATER (400,000 GAL.) IN RB SUMP AS OF 1/82, (7) ALL LOW LEVEL EPICOR II RESINS SHIPPED OFFSITE.											
CURRENT STATUS:	THE CLEANUP AND RECOVERY OPERATIONS ARE CURRENTLY IN PROGRESS. COMMENCED SDS OPERATIONS ON JULY 10, 1981. COMPLETED PROCESSING OF REACTOR COOLANT BLEED TANK WATER ON AUGUST 9, 1981. SDS PRESENTLY PROCESSING BALANCE OF RB SUMP WATER, EXPECTED TO BE COMPLETED BY SPRING 1982.											
ISSUES:	RECOGNIZING THAT OTHER AREAS OF INTEREST MAY ARISE, THAT THE POSSIBILITY EXISTS FOR DISCOVERING CONDITIONS NOT PREVIOUSLY ANTICIPATED, OR OF NEW QUESTIONS ARISING AT SOME FUTURE TIME NOT PRESENTLY BEING CONSIDERED, AN ARCHIVAL SYSTEM WILL BE ESTABLISHED UNDER WHICH SPECIMENS OF HARDWARE OR OTHER SAMPLES MAY BE STORED OFF-SITE FOR POSSIBLE FUTURE EXAMINATION AND TESTING.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.H.4 (1)	3	COMPLETE	NO		03/81	08/14/81	RES	CLARK PRICHARD	74580	HSWM	SEB	042426 *
TITLE:	DETERMINE IMPACT OF TMI ON SOCIOECONOMIC AND REAL PROPERTY VALUES (RES) (EFFECT OF THE TMI ACCIDENT ON THE VALUE OF REAL PROPERTY IN THE HARRISBURG PA., AREA.)											
PURPOSE:	TO DETERMINE THROUGH A SURVEY OF REAL PROPERTY SALES IN THE TMI AREA AND IN A CONTROL AREA THE IMPACT OF THE ACCIDENT ON AREA PROPERTY VALUES FOR 1979.											
SCHEDULE:	(ORIGINAL) PROJECT INITIATION - 05/80; INTERIM RESULTS - 09/80; FINAL REPORT - 11/80. (CURRENT) REPORT RECEIVED-01/81; NUREG PRINTED 3/81 (CR-2063)											
ACCOMPLISHMENTS:	CONTRACT SIGNED 04/80. ALL PROPERTIES INSPECTED 06/80. AVAILABLE DATA SCREENED 05/80. CONTROL AREA SELECTED 05/80. FINAL REPORT RECEIVED 01/81. NUREG CR-2063 ISSUED 3/81.											
CURRENT STATUS:	REPORT PRINTED AS NUREG.											
ISSUES:	NONE											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.H.4	(2)	3	COMPLETE	NO	08/81	11/20/81	RES	CLARK PRICHARD NRR	74580 28595	HSWM DE	SEB SAB	042426 *
TITLE:	DETERMINE IMPACT OF TMI ON SOCIOECONOMIC AND REAL PROPERTY VALUES. (SOCIOECONOMIC IMPACT OF THE TMI ACCIDENT ON THE REGION IN SOUTH-CENTRAL PENNSYLVANIA WHICH SURROUNDS TMI)											
PURPOSE:	TO DETERMINE THE IMPACT OF THE ACCIDENT ON THE ECONOMY AND SOCIAL LIFE OF THE REGION WHICH SURROUNDS TMI.											
SCHEDULE:	(ORIGINAL) START TMI 05/79; FINAL REPORT 12/80; INTERNAL REVIEW 10/80; DRAFT REPORT 11/80. (CURRENT) DRAFT REPORT 02/81; FINAL REPORT 08/81.											
ACCOMPLISHMENTS:	UNDER THIS CONTRACT TWO NUREG DOCUMENTS HAVE BEEN PUBLISHED - THREE MILE ISLAND TELEPHONE SURVEY (NUREG/CR-1093-10/79); - THE SOCIAL & ECONOMIC EFFECTS OF THE ACCIDENT AT THREE MILE ISLAND: FINDINGS (NUREG/CR-1215 - 01/80)											
CURRENT STATUS:	FINAL REPORT RECEIVED 9/81.											
ISSUES:	NONE											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.J.1.1	-	COMPLETE	NO	FY81	12/18/81	IE	WAYNE REINMUTH	24757	DRRI			*
TITLE:	ESTABLISH A PRIORITY SYSTEM FOR CONDUCTING VENDOR INSPECTIONS (IE)											
PURPOSE:	A PRIORITY SYSTEM FOR SELECTING VENDORS FOR INSPECTION WILL BE ESTABLISHED TO PERMIT OPTIMUM UTILIZATION OF A LIMITED STAFF. INFORMATION FROM MULTIPLE SOURCES WILL BE COLLECTED AND INTEGRATED TO IDENTIFY VENDORS SUPPLYING KEY PRODUCTS OR SERVICES. INSPECTION PRIORITIES WILL BE ESTABLISHED FROM THIS INFORMATION.											
SCHEDULE:	(ORIGINAL) DECISION GROUP D. (CURRENT) SAME											
ACCOMPLISHMENTS:	CONTRACT AWARDED. CONTRACT STUDY COMPLETED. THOSE CHANGES CONSIDERED APPROPRIATE WERE ADOPTED.											
CURRENT STATUS:	COMPLETE. REPORTED TO EDO (MEMO OF 12/28/81).											
ISSUES:	NONE											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.J.1.2	-	ACTIVE	GREEN	NO	FY81	12/18/81	IE	BOB HEISHMAN	29644	DRP		*
TITLE:	MODIFY EXISTING VENDOR INSPECTION PROGRAM (IE)											
PURPOSE:	IMPROVE PROCEDURES BY INCLUDING MORE ROUTINE TECHNICAL ASSESSMENTS OF PRODUCTS, BY EXPANDING SCOPE TO REFLECT FEEDBACK OF OPERATING AND CONSTRUCTION EXPERIENCE, AND BY PLACING GREATER EMPHASIS ON DESIGN CONTROL AND THE USE OF INDEPENDENT MEASUREMENTS.											
SCHEDULE:	(ORIGINAL) DECISION GROUP D. (CURRENT) SAME											
ACCOMPLISHMENTS:	FIVE DRAFT PROCEDURES ISSUED FOR TRIAL USE. IE MANUAL REVISED NOVEMBER 1980. FURTHER REVISIONS TO EMPHASIZE TECHNICAL ASSESSMENTS AND REACTIVE INSPECTIONS WERE ISSUED IN JUNE AND JULY 1981.											
CURRENT STATUS:	FURTHER CHANGES TO IMPLEMENTING PROCEDURES WILL BE ISSUED DURING 1982.											
ISSUES:	NONE											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.J.1.3	-	INACTIVE	GREEN	YES	FY81	12/18/81	IE	BOB HEISHMAN	29444	DRP		*
TITLE:..... INCREASE REGULATORY CONTROL OVER PRESENT NONLICENSEES (IE)												
PURPOSE:..... NRC WILL STUDY THE NEED TO EXTEND ITS LICENSING AUTHORITY TO VENDORS WHO SUPPLY COMPONENTS AND SERVICES TO LICENSEES. UPON COMPLETION OF THE STUDY, THE STAFF WILL PRESENT A COMMISSION PAPER FOR COMMISSION DECISION.												
SCHEDULE:..... (ORIGINAL) DECISION GROUP D. (CURRENT) SAME												
ACCOMPLISHMENTS:.. N/A												
CURRENT STATUS:.. IE HAS RECOMMENDED DELETING THIS ITEM FROM THE ACTION PLAN (MEMO OF 11/27/81). ACTION IS COVERED BY 10 CFR 21, REFERENCE ITEM II.J.4.1.												
ISSUES:.....												
COMMISSION ACTION:												
NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.J.1.4	-	ACTIVE	GREEN	YES	FY81	12/18/81	IE	WAYNE REINHUTH	27551	DRRI		*
TITLE:..... ASSIGN RESIDENT INSPECTORS TO REACTOR VENDORS AND ARCHITECT-ENGINEERS (IE)												
PURPOSE:..... NRC WILL EVALUATE THE DESIRABILITY OF ASSIGNING RESIDENT INSPECTORS TO NSSS SUPPLIERS AND AE'S. THE STAFF WILL PREPARE A COMMISSION PAPER DESCRIBING A PROPOSED TRIAL PROGRAM.												
SCHEDULE:..... (ORIGINAL) DECISION GROUP D. (CURRENT) SAME												
ACCOMPLISHMENTS:..												
CURRENT STATUS:.. IE HAS RECOMMENDED DELETING THIS ITEM FROM THE ACTION PLAN (MEMO OF 11/27/81).												
ISSUES:.....												
COMMISSION ACTION:												
NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.J.2.1	3	COMPLETE		NO	06/81	12/18/81	IE	SAMUEL BRYAN	29644	DPDA		*
TITLE:..... REORIENT CONSTRUCTION INSPECTION PROGRAM (IE)												
PURPOSE:..... IE WILL CHANGE ITS CONSTRUCTION INSPECTION PROGRAM AND MANUAL FOR: MORE OBSERVATION OF WORK; MORE ATTENTION TO LICENSEE'S INVOLVEMENT; INDEPENDENT VERIFICATION OF AS BUILT CONDITIONS; AND FOLLOW UP OF INCIDENT INFORMATION FROM OPERATING REACTORS.												
SCHEDULE:..... (ORIGINAL) COMPLETE BY JUNE 1981 (CURRENT) SAME												
ACCOMPLISHMENTS:.. THE PROGRAM CHANGES INDICATED IN THE ACTION PLAN HAVE BEEN COMPLETED. IN ADDITION, PROGRAM CHANGES TO ASSURE EARLIER AND CONTINUING INSPECTION OF CONSTRUCTION QA ACTIVITIES HAVE BEEN MADE.												
CURRENT STATUS:.. COMPLETE. REPORTED TO EDO (MEMO OF 12/19/80). IN ADDITION, A TRIAL PROGRAM INVOLVING TEAM INSPECTIONS WAS COMPLETED AND RECOMMENDATIONS ARE BEING CONSIDERED FOR INCORPORATING THIS CONCEPT INTO THE INSPECTION PROGRAM.												
ISSUES:.....												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.J.2.2	3	ACTIVE	GREEN	NO	FY81	12/18/81	IE	WAYNE REINMUTH	24757	DRRI		*
TITLE:	INCREASE EMPHASIS ON INDEPENDENT MEASUREMENT IN CONSTRUCTION INSPECTION PROGRAM (IE)											
PURPOSE:	IE WILL EVALUATE TRIAL PROGRAMS INVOLVING INDEPENDENT MEASUREMENTS AT CONSTRUCTION SITES. ONE INVOLVES A NRC VAN DOING NON-DESTRUCTIVE TESTS SUCH AS ULTRASONIC TESTING. THE OTHER INVOLVES A CONTRACTOR (FRANKLIN) DOING DESTRUCTIVE TESTING SUCH AS CONCRETE STRENGTH TESTS. FIVE UNIQUELY QUALIFIED INSPECTORS WILL BE ASSIGNED FULL TIME TO EACH VAN.											
SCHEDULE:	(ORIGINAL) (1) BUY THE FIRST VAN IN FY80. (2) EVALUATE FRANKLIN IN FY80. (3) EVALUATION OF PROGRAM AND STAFFING OF VAN WITH 5 INSPECTORS NOT SCHEDULED. PRIORITY 3 ALLOWS UP TO TWO YEARS TO INITIATE ACTION. (CURRENT) SAME.											
ACCOMPLISHMENTS:	CONTRACTOR FOR DESTRUCTIVE TESTS HAS BEEN HIRED AND IS PERFORMING TESTS ON ON-GOING BASIS. FIRST NRC MOBILE VAN HAS BEEN STAFFED WITH CONTRACTOR ASSISTANCE AND IS CONDUCTING REACTIVE WORK.											
CURRENT STATUS:	(1) BUYING FIRST VAN IN FY80. COMPLETED. (2) EVALUATING FRANKLIN IN FY80. COMPLETED. (3) EVALUATION OF PROGRAM AND STAFFING OF VAN. DESTRUCTIVE TESTING CONTRACTOR (FRANKLIN) IS PROCEEDING. NDE VAN WORK IS ALSO PROCEEDING USING ANOTHER CONTRACTOR (PARAMETER). BOTH PROGRAMS HAVE BEEN FOUND SUCCESSFUL AND INCORPORATED INTO ONGOING NRC OPERATIONS. SINCE RESOURCE LIMITATIONS HAVE PRECLUDED DEDICATING FIVE NRC INSPECTORS TO THE VAN, IE HAS PROPOSED DELETING THE REQUIREMENT FOR 5 INSPECTORS FROM THE ACTION PLAN (MEMO OF 11/27/81). THE VAN AND CONTRACTOR ASSISTANCE ARE AVAILABLE TO ALL FIVE REGIONS. WITH THIS CHANGE, THE ITEM WILL BE COMPLETE.											
ISSUES:												
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.J.2.3	-	ACTIVE	GREEN	NO	FY81	12/18/81	IE	BOB HEISHMAN	29644	DRP		*
TITLE:	ASSIGN RESIDENT INSPECTORS TO ALL CONSTRUCTION SITES (IE)											
PURPOSE:	IE WILL EXPAND THE RESIDENT INSPECTOR PROGRAM TO INCLUDE ONE RESIDENT AT EACH POWER REACTOR CONSTRUCTION SITE.											
SCHEDULE:	(ORIGINAL) DECISION GROUP D. (CURRENT) SAME											
ACCOMPLISHMENTS:	22 CONSTRUCTION RESIDENT INSPECTORS ON-SITE IN 9/81.											
CURRENT STATUS:	IE HAS RECOMMENDED DELETING THIS ITEM FROM THE ACTION PLAN (MEMO OF 11/27/81).											
ISSUES:												
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.J.3.1	1	ACTIVE	YELLOW	NO	FY82	01/15/82	NRR	JOHN ZWOLINSKI	2850	DHFS	LQB	042061 *
TITLE:	ORGANIZATION AND STAFFING TO OVERSEE DESIGN AND CONSTRUCTION (NRR)											
PURPOSE:	DEVELOP GUIDELINES TO IMPROVE LICENSE APPLICANTS' OVERSIGHT OF DESIGN, CONSTRUCTION AND MODIFICATION ACTIVITIES.											
SCHEDULE:	(ORIGINAL) CRITERIA - FOLLOW SCHEDULE I.B.1.1, PARTS (1)-(5). RES TO ISSUE REG. GUIDE FOR COMMENT BY 03/81 AND FINAL BY 08/81. (CURRENT) NRR TO INCLUDE IN REVISED NUREG-0731, SCHEDULED FOR ISSUANCE 10/82.											
ACCOMPLISHMENTS:	NRR FIRST DRAFT PREPARED AND SENT TO RES 10/80.											
CURRENT STATUS:	RES PREPARED WORKING PAPER 1 TO REGULATORY GUIDE											
ISSUES:	TO AVOID OR MINIMIZE MAKING GUIDANCE PRESCRIPTIVE.											
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.											

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #	
II.J.3.2	3	INACTIVE	YELLOW	NO		01/15/82	RES NRR ADM	RAY DISALVO DOMINIC VASSALLO	35942 27976	DFD DHFS	HFB LQB	042061	*

TITLE:..... MANAGEMENT FOR DESIGN AND CONSTRUCTION - ISSUE REG. GUIDE (RES)
PURPOSE:..... DEVELOP CRITERIA TO IMPROVE LICENSE APPLICANTS' OVERSIGHT OF DESIGN, AND
CONSTRUCTION ACTIVITIES.
SCHEDULE:..... (ORIGINAL) CRITERIA - FOLLOW SCHEDULE I.B.1.1, PARTS (1)-(5). RES TO ISSUE REG. GUIDE FOR
COMMENT BY 03/81 AND FINAL BY 08/81.
(CURRENT) INITIAL DRAFT PAPER 01/81 COMPLETE; REMAINDER OF SCHEDULE TO BE DETERMINED.
ACCOMPLISHMENTS:.. DRAFT PAPER PREPARED AND SENT OUT FOR OFFICE REVIEW 1/19/81.
CURRENT STATUS:... NRR DETERMINED THAT THIS SUBJECT IS A SUBISSUE OF TASK I.B.1.1. ACCORDINGLY THEY
HAVE INCORPORATED THEIR EFFORTS INTO A BROADER EFFORT ON I.B.1.1 AND CONSIDER II.J.3.2
COMPLETE. THE REGULATORY GUIDE FOR II.J.3.2 WILL BE REPLACED BY GUIDANCE TO BE
DEVELOPED BY NRR AND TO BE INCLUDED IN A REVISION TO NUREG-0731 NOW IN PROGRESS.
THEREFORE THERE IS NO LONGER A DEFINITIVE NEED FOR A REGULATORY GUIDE. II.J.3.2
IS BEING PLACED ON HOLD PENDING REVISION OF NUREG-0731 AND SUBSEQUENT COMMISSION ACTION.
ISSUES:.....
NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #	
II.J.4.1(1)	1	COMPLETE		NO	03/80	12/18/81	IE RES	GEORGE GOWER WILLIAM CAMPBELL	27246 35913	DPDA RSSD			*

TITLE:..... REVISE DEFICIENCY REPORTING REQUIREMENTS (IE)
PURPOSE:..... IE SUBMIT RECOMMENDED 50.55E CHANGES TO RES
SCHEDULE:..... (ORIGINAL) (1) IE SUBMIT RECOMMENDED 50.55(E) CHANGES TO RES 04/80. (CURRENT) SAME
ACCOMPLISHMENTS:..
CURRENT STATUS:... COMPLETED ON SCHEDULE. REPORTED TO EDO (MEMOS OF 12/19/80 AND 04/17/81).
ISSUES:.....

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #	
II.J.4.1(2)	1	INACTIVE	YELLOW	NO	FY81	01/15/82	RES IE	WILLIAM CAMPBELL GEORGE GOWER	35981 27246	DRA DPDA	RAB		*

TITLE:..... REVISE DEFICIENCY REPORTING REQUIREMENTS (RES)
(CONSTRUCTION DEFICIENCY REPORTING RULE-RA808-1,WITS 604140)
PURPOSE:..... RES ISSUE 50.55E RULE CHANGES FOR COMMENT.
SCHEDULE:..... (ORIGINAL) 04/81
(CURRENT) SEE CURRENT STATUS
ACCOMPLISHMENTS:.. RES RESUBMITTED PROPOSED CHANGE TO IE 11/80. IE PROVIDED REWRITE 2/81.
CURRENT STATUS:... IN HOLD DUE TO HIGHER PRIORITY WORK.
ISSUES:..... SCOPE & INTENT OF REPORTS.
NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.J.4.1(3)	1	COMPLETE	NO		08/80	12/18/81	IE RES	JAMES TAYLOR WILLIAM CAMPBELL	27068 35913	DPDA RSSD		

TITLE:..... REVISE DEFICIENCY REPORTING REQUIREMENTS (IE)
 PURPOSE:..... IE SUBMIT RECOMMENDED PART 21 CHANGES TO RES.
 SCHEDULE:..... (ORIGINAL) 8/80
 (CURRENT) COMPLETE
 ACCOMPLISHMENTS:..
 CURRENT STATUS:... COMPLETED TWO MONTHS LATE. REPORTED TO EDO (MEMO OF 04/17/81).
 ISSUES:.....

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.J.4.1(4)	1	INACTIVE	GREEN	NO	FY81	01/15/82	RES IE	WILLIAM CAMPBELL JAMES TAYLOR	35981	DRA	RAB	

TITLE:..... REVISE DEFICIENCY REPORTING REQUIREMENTS (RES)
 (RES REVISE 10 CFR 21)
 PURPOSE:..... RES REVISE 10CFR 21; (RA128-1, WIT 604141)
 SCHEDULE:..... (ORIGINAL) CONSISTENT WITH ANY NEEDED LEGISLATION
 (CURRENT) SAME
 ACCOMPLISHMENTS:..
 CURRENT STATUS:... THIS ITEM HAS NOT BEEN STARTED.
 ISSUES:.....
 NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1 (1)	1	COMPLETE	NO		06/81	08/26/81	NRR NRR	DAVE VERRELLI BOB REID	28434 27381	DL DSI	ORAB ORB	

TITLE:..... MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE
 BULLETINS (NRR)
 (REVIEW TMI-2 PN'S AND DETAILED CHRONOLOGY OF THE TMI-2 ACCIDENT)
 PURPOSE:..... EFFECT SHORT TERM CHANGES IN EMERGENCY OPERATING PROCEDURES AND OPERATOR TRAINING
 TO IMPROVE THE CAPABILITY OF PLANTS TO MITIGATE THE LIKELIHOOD AND CONSEQUENCES OF
 SMALL-BREAK LOCAS AND LOSS-OF-FEEDWATER EVENTS.
 SCHEDULE:..... (ORIGINAL) COMPLETE BULLETIN EVALUATION REPORTS 03/80. (CURRENT) COMPLETE BULLETIN
 EVALUATION REPORTS 04/81. APPLY SPECIFIC REQUIREMENTS TO OL REVIEWS (FUEL LOADS).
 ACCOMPLISHMENTS:..
 CURRENT STATUS:... COMPLETE. THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
 ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION
 TRACKING SYSTEM (PATS).

CHAPTER...	PR	STATUS	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1 (2)	1	COMPLETE	NO		06/81	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB		*
TITLE:..... MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) (REVIEW TRANSIENTS SIMILAR TO TMI-2)													
PURPOSE:.....													
SCHEDULE:..... (SEE II.K.1(1))													
ACCOMPLISHMENTS:.. (SEE II.K.1(1))													
CURRENT STATUS:... COMPLETE. THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.													
ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).													

CHAPTER...	PR	STATUS	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1 (3)	1	COMPLETE	NO		06/81	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB		*
TITLE:..... MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) (REVIEW OPERATING PROCEDURES)													
PURPOSE:.....													
SCHEDULE:..... (SEE II.K.1(1))													
ACCOMPLISHMENTS:.. (SEE II.K.1(1))													
CURRENT STATUS:... COMPLETE. THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.													
ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).													

CHAPTER...	PR	STATUS	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1 (4)	1	COMPLETE	NO		06/81	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB		*
TITLE:..... MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) (REVIEW OPERATING PROCEDURE AND TRAINING INSTRUCTIONS)													
PURPOSE:.....													
SCHEDULE:..... (SEE II.K.1(1))													
ACCOMPLISHMENTS:.. (SEE II.K.1(1))													
CURRENT STATUS:... COMPLETE. THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.													
ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).													
COMMISSION ACTION:													

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1	(5)	1	COMPLETE	NO	06/81	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
TITLE:..... MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) (SAFETY-RELATED VALVE POSITION)												
PURPOSE:.....												
SCHEDULE:..... (SEE II.K.1(1))												
ACCOMPLISHMENTS:.. (SEE II.K.1(1))												
CURRENT STATUS:... COMPLETE. THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.												
ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1	(6)	1	COMPLETE	NO	06/81	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
TITLE:..... MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR)												
PURPOSE:.....												
SCHEDULE:..... (SEE II.K.1(1))												
ACCOMPLISHMENTS:.. (SEE II.K.1(1))												
CURRENT STATUS:... COMPLETE. THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.												
ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1	(7)	1	COMPLETE	NO	06/81	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
TITLE:..... MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) (IMPLEMENT POSITIVE POSITION CONTROLS ON VALVES)												
PURPOSE:.....												
SCHEDULE:..... (SEE II.K.1(1))												
ACCOMPLISHMENTS:.. (SEE II.K.1(1))												
CURRENT STATUS:... COMPLETE. THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.												
ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1 (8)	1	COMPLETE		NO	06/81	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
TITLE:.....			MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) (IMMEDIATE IMPLEMENTATION OF PROCEDURES THAT ASSURE TWO INDEPENDENT 100% AFW FLOW PATHS)									
PURPOSE:.....												
SCHEDULE:.....			(SEE II.K.1(1))									
ACCOMPLISHMENTS:..			(SEE II.K.1 (1))									
CURRENT STATUS:...			COMPLETE. THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.									
ISSUES:.....			THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).									

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1 (9)	1	COMPLETE		NO	06/81	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
TITLE:.....			MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) (REVIEW PROCEDURES)									
PURPOSE:.....												
SCHEDULE:.....			(SEE II.K.1(1))									
ACCOMPLISHMENTS:..			(SEE II.K.1(1))									
CURRENT STATUS:...			COMPLETE. THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.									
ISSUES:.....			THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).									

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1 (10)	1	COMPLETE		NO	06/81	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
TITLE:.....			MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) COMPLETION SCHEDULED FOR 10/82. (REVIEW AND MODIFY PROCEDURES)									
PURPOSE:.....												
SCHEDULE:.....			(SEE II.K.1(1))									
ACCOMPLISHMENTS:..			(SEE II.K.1(1))									
CURRENT STATUS:...			COMPLETE THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.									
ISSUES:.....			THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).									

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1	(11)	1	COMPLETE	NO	06/81	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
TITLE:..... MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) (EDUCATE PERSONNEL ON CONSEQUENCES OF ERRONEOUS OPERATING ACTIONS AT TMI-2)												
PURPOSE:.....												
SCHEDULE:..... (SEE II.K.1(1))												
ACCOMPLISHMENTS:.. (SEE II.K.1(1))												
CURRENT STATUS:... (COMPLETE. THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.)												
ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1	(12)	1	COMPLETE	NO	06/81	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
TITLE:..... MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) (COMMUNICATIONS REQUIREMENTS)												
PURPOSE:.....												
SCHEDULE:..... (SEE II.K.1(1))												
ACCOMPLISHMENTS:.. (SEE II.K.1(1))												
CURRENT STATUS:... COMPLETE. THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.												
ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1	(13)	1	COMPLETE	NO	06/81	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
TITLE:..... MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) (PROPOSE TECHNICAL SPECIFICATION CHANGES)												
PURPOSE:.....												
SCHEDULE:..... (SEE II.K.1(1))												
ACCOMPLISHMENTS:.. (SEE II.K.1(1))												
CURRENT STATUS:... COMPLETE. THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.												
ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1	(14)	1	COMPLETE	NO	06/81	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
TITLE:			MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) (REVIEW OPERATING MODES AND PROCEDURES)									
PURPOSE:												
SCHEDULE:			(SEE II.K.1(1))									
ACCOMPLISHMENTS:			(SEE II.K.1(1))									
CURRENT STATUS:			COMPLETE. THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.									
ISSUES:			THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).									

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1	(15)	1	COMPLETE	NO	FY81	05/05/81	NRR	NONE	00000	DL		*
TITLE:			MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) (FACILITIES WITH NON-AUTOMATIC AFW INITIATION OPERATOR COMMUNICATOR MODIFICATION)									
NOTE:			(THIS ITEM WAS COMPLETED PRIOR TO ISSUANCE OF THE ACTION PLAN (NUREG-0660) AND NO CONTACT EXISTS)									

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1	(16)	1	COMPLETE	NO	FY81	05/05/81	NRR	NONE	00000	DL		*
TITLE:			MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) (PZR POR VALVE DIRECTIVES)									
NOTE:			(THIS ITEM WAS COMPLETED PRIOR TO ISSUANCE OF THE ACTION PLAN (NUREG-0660) AND NO CONTACT EXISTS.)									

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1	(17)	1	COMPLETE	NO	FY81	05/05/81	NRR	NONE	00000	DL		*
TITLE:			MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) (PZR TRIP FOR SAFETY INJECTION)									
NOTE:			(THIS ITEM WAS COMPLETED PRIOR TO ISSUANCE OF THE ACTION PLAN (NUREG-0660) AND NO CONTACT EXISTS.)									

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1 (18)	1	COMPLETE	NO		FY81 05/05/81		NRR	NONE	00000	DL		
TITLE:			MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) (NATURAL CIRCULATION PROCEDURES AND TRAINING)									
NOTE:			(THIS ITEM WAS COMPLETED PRIOR TO ISSUANCE OF THE ACTION PLAN (NUREG-0660) AND NO CONTACT EXISTS.)									

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1 (19)	1	COMPLETE	NO		06/81 08/26/81		NRR	DAVE VERRELLI	28434	DL	ORAB	
TITLE:			MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) (MODIFICATIONS TO REDUCE LIKELIHOOD OF AUTOMATIC PZR PORV ACTUATION IN TRANSIENTS)									
PURPOSE:			(SEE II.K.1(1))									
SCHEDULE:			(SEE II.K.1(1))									
ACCOMPLISHMENTS:			(SEE II.K.1(1))									
CURRENT STATUS:			COMPLETE. THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.									
ISSUES:			THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).									

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1 (20)	1	COMPLETE	NO		06/81 08/26/81		NRR	DAVE VERRELLI	28434	DL	ORAB	
TITLE:			MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) (MANUAL REACTOR TRIP TRAINING)									
PURPOSE:			(SEE II.K.1(1))									
SCHEDULE:			(SEE II.K.1(1))									
ACCOMPLISHMENTS:			(SEE II.K.1(1))									
CURRENT STATUS:			COMPLETE. THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.									
ISSUES:			THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).									

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1	(21)	1	COMPLETE	NO	06/81	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
TITLE: MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) (AUTOMATIC SAFETY GRADE REACTOR TRIP)												
PURPOSE: (SEE II.K.1(1))												
SCHEDULE: (SEE II.K.1(1))												
ACCOMPLISHMENTS: (SEE II.K.1(1))												
CURRENT STATUS: COMPLETE. THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.												
ISSUES: THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1	(22)	1	COMPLETE	NO	06/81	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
TITLE: MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) (APPROPRIATE AUXILIARY HEAT REMOVAL SYSTEMS WHEN FW SYSTEM NOT OPERABLE)												
PURPOSE: (SEE II.K.1(1))												
SCHEDULE: (SEE II.K.1(1))												
ACCOMPLISHMENTS: (SEE II.K.1(1))												
CURRENT STATUS: COMPLETE. THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.												
ISSUES: THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1	(23)	1	COMPLETE	NO	06/81	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
TITLE: MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) (USES AND TYPES OF RV LEVEL)												
PURPOSE: (SEE II.K.1(1))												
SCHEDULE: (SEE II.K.1(1))												
ACCOMPLISHMENTS: (SEE II.K.1(1))												
CURRENT STATUS: COMPLETE. THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.												
ISSUES: THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1	(24)	1	COMPLETE	NO	FY81	05/05/81	NRR	NONE	00000	DL		*
TITLE: MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) (LOCA ANALYSES WITH VARIABLE SIZE AND TIME LENGTHS BETWEEN REACTOR AND RCP TRIPS)												
NOTE: THIS ITEM WAS COMPLETED PRIOR TO ISSUANCE OF THE ACTION PLAN (NUREG-0660) AND NO CONTACT EXISTS.)												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1 (25)	1	COMPLETE		NO	FY81	05/11/81	NRR	NONE	00000	DL		
TITLE:..... MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) (OPERATOR ACTION GUIDELINES)												
NOTE:..... (THIS ITEM WAS COMPLETED PRIOR TO ISSUANCE OF THE ACTION PLAN (NUREG-0660) AND NO CONTACT EXISTS.)												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1 (26)	1	COMPLETE		NO	FY81	05/05/81	NRR	NONE	00000	DL		
TITLE:..... MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) (REVISE EMERGENCY PROCEDURES AS NEEDED IN II.K.1(25))												
NOTE:..... (THIS ITEM WAS COMPLETED PRIOR TO ISSUANCE OF THE ACTION PLAN (NUREG-0660) AND NO CONTACT EXISTS.)												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1 (27)	1	COMPLETE		NO	FY81	05/05/81	NRR	NONE	00000	DL		
TITLE:..... MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) (ACTIONS TO DEAL WITH INADEQUATE CORE COOLING CONDITIONS)												
NOTE:..... (THIS ITEM WAS COMPLETED PRIOR TO ISSUANCE OF THE ACTION PLAN (NUREG-0660) AND NO CONTACT EXISTS.)												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.1	(28)	1	COMPLETE	NO	06/81	08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*

TITLE:..... MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) (AUTOMATIC RCP TRIP FOR ALL REQUIRED CONDITIONS)

PURPOSE:.....

SCHEDULE:..... (SEE II.K.1(1))

ACCOMPLISHMENTS:.. (SEE II.K.1(1))

CURRENT STATUS:... COMPLETE. THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.

ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.2	(1)	1	COMPLETE	NO	FY81	09/01/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*

TITLE:..... COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR) (UPGRADE TIMELINESS AND RELIABILITY OF AFW SYSTEM)

PURPOSE:..... COMPLETION OF REVIEW AND IMPLEMENTATION OF LONG-TERM ACTIONS RELATED TO THE ORDERS ISSUED TO B&W REACTOR LICENSEES IN APRIL 1979. THERE ARE A TOTAL OF 21 ITEMS OF WHICH 8 WERE COMPLETED AT THE TIME THE ORDERS WERE LIFTED.

SCHEDULE:..... (ORIGINAL) REVIEW LICENSEE IMPLEMENTATION 01/81. (CURRENT) REVIEW LICENSEE IMPLEMENTATION (B&W REACTORS) 03/81. THERMAL MECHANICAL REPORT REVIEW (NON B&W PWRs) 03/82. SEE INDIVIDUAL II.K.2 ITEMS.

ACCOMPLISHMENTS:.. COMPLETE. (FOUR ITEMS ARE BEING COVERED BY OTHER ACTION ITEMS (II.K.2(8), UPGRADE AFW SYSTEM BY II.E.1(1); II.K.2(12), TRANSIENT ANALYSIS AND PROCEDURES FOR MANAGEMENT OF SMALL BREAKS AND II.K.2(18) ANALYSIS OF LOSS OF FW AND OTHER ANTICIPATED TRANSIENTS, BOTH BY I.C.1; AND II.K.2(14) LIFT FREQUENCY OF PORVS AND SVS BY II.K.3(7)). ONE ITEM IS COMPLETE (II.K.2(21), LOFT 3-1 PREDICTIONS). SEVEN ITEMS ARE UNDER STAFF REVIEW (II.K.2(9), FEMA ON ICS, II.K.2(10) SAFETY GRADE TRIP, II.K.2(15) EFFECTS OF SLUG FLOW OF DTSG; II.K.2(16) RCP SEAL DAMAGE; II.K.2(17) VOIDING IN RCS; II.K.2(19) BENCHMARK ANALYSIS OF SEQUENTIAL AFW FLOW, II.K.2(20) SYSTEM RESPONSE TO SB LOCA. ITEM II.K.2(13) THERMAL MECHANICAL REPORT HAS BEEN EXPANDED TO INCLUDE OTHER PWRs WITH A REPORT SUBMITTAL DATE OF 01/01/82.)

ISSUES:..... NONE. THE SUBMITTAL OF THE THERMAL MECHANICAL REPORT FOR B&W REACTORS HAS BEEN DELAYED BY THE LICENSEES TO 01/01/81 THUS THE STAFF REVIEW WILL NOT BE COMPLETED BY THE SCHEDULED DATE OF 01/01/81. THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.2	(2)	1 COMPLETE		NO	FY81	05/05/81	NRR	NONE	00000	DL		
IE												
TITLE:..... COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR) (PROCEDURES AND TRAINING TO INITIATE AND CONTROL AFW)												
NOTE:..... (THIS ITEM WAS COMPLETED PRIOR TO ISSUANCE OF THE ACTION PLAN (NUREG-0660) AND NO CONTACT EXISTS. REQUIREMENT ISSUED NUREG'S 0694 AND 0737.)												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.2	(3)	1 COMPLETE		NO	FY81	05/05/81	NRR	NONE	00000			
IE												
TITLE:..... COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR) (HARD-WIRED CONTROL-GRADE ANTICIPATORY REACTOR TRIPS)												
NOTE:..... (THIS ITEM WAS COMPLETED PRIOR TO ISSUANCE OF THE ACTION PLAN (NUREG-0660) AND NO CONTACT EXISTS.)												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.2	(4)	1 COMPLETE		NO	FY81	05/05/81	NRR	NONE	00000			
IE												
TITLE:..... COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR) (SMALL BREAK LOCA ANALYSIS, PROCEDURES, AND OPERATOR TRAINING)												
NOTE:..... (THIS ITEM WAS COMPLETED PRIOR TO ISSUANCE OF THE ACTION PLAN (NUREG-0660) AND NO CONTACT EXISTS.)												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.2	(5)	1 COMPLETE		NO	FY81	05/05/81	NRR	NONE	00000			
IE												
TITLE:..... COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR) (COMPLETE TMI-2 SIMULATOR TRAINING FOR ALL OPERATORS)												
NOTE:..... (THIS ITEM WAS COMPLETED PRIOR TO ISSUANCE OF THE ACTION PLAN (NUREG-0660) AND NO CONTACT EXISTS.)												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.2	(6)	1 COMPLETE		NO	FY81	05/05/81	NRR	NONE	00000			
IE												
TITLE:..... COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR) (REEVALUATE ANALYSIS FOR DUAL-LEVEL SETPOINT CONTROL)												
NOTE:..... (THIS ITEM WAS COMPLETED PRIOR TO ISSUANCE OF THE ACTION PLAN (NUREG-0660) AND NO CONTACT EXISTS.)												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.2 (7)	1	COMPLETE		NO	FY81	05/05/81	NRR	NONE	00000			
TITLE:..... COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR) (REEVALUATE TRANSIENT OF 9/24/77) NOTE:..... (THIS ITEM WAS COMPLETED PRIOR TO ISSUANCE OF THE ACTION PLAN (NUREG-0660) AND NO CONTACT EXISTS.)												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.2 (8)	1	INACTIVE	GREEN	NO	FY81	06/05/81	NRR	NONE	00000			
TITLE:..... COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR) (CONTINUED UPGRADE OF AFW SYSTEM) NOTE:..... (THIS ITEM IS BEING IMPLEMENTED AS PART OF II.E.1.1 - 01/81)												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.2 (9)	1	REQUIREMENT	GREEN	NO	03/82	09/01/81	NRR	DAVE VERRRELLI NRR ERNIE ROSSI	28434 27140	DL DSI	ORAB ICSB	043287
TITLE:..... COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR) (FAILURE MODE EFFECTS ANALYSIS ON THE INTEGRATED CONTROL SYSTEM) PURPOSE:..... FOR BABCOCK AND WILCOX (B&W)-DESIGNED REACTORS PROVIDE A FAILURE-MODE-AND-EFFECTS ANALYSIS (FMEA) OF THE INTEGRATED CONTROL SYSTEM (ICS). SCHEDULE:..... (ORIGINAL) IMPLEMENTATION OF RECOMMEND MODIFICATIONS (01/81) (CURRENT) COMPLETE REVIEW OF LICENSEE RESPONSES (05/81) ACCOMPLISHMENTS:.. CURRENT STATUS:... A GENERIC FAILURE-MODE-AND EFFECTS ANALYSIS OF THE ICS (BAW-1564) WAS SUBMITTED ON AUGUST 17, 1979 BY THE OPERATING PLANT LICENSEES. THIS REPORT WAS REVIEWED BY THE STAFF AND OAK RIDGE NATIONAL LABORATORY (ORNL). REQUESTS FOR ADDITIONAL INFORMATION, REGARDING THE RECOMMENDATIONS CONTAINED IN THE REPORT, WERE SENT TO THE LICENSEES ON NOVEMBER 7, 1979. THE RESPONSES TO THE NOVEMBER 7, 1979 LETTER HAVE BEEN RECEIVED AND ARE UNDER REVIEW. ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS)												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.2	(10)	1	REQUIREMENT	GREEN	NO	10/81 08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	043287 *
							NRR	PHIL BENDER	29448	DSI	ICSB	
TITLE:	COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR) (SAFETY-GRADE ANTICIPATORY REACTOR TRIP) BETWEEN 1980 AND 1985.											
PURPOSE:	IE BULLETIN 79-05B, ITEM 5, ISSUED ON APRIL 21, 1979, DIRECTED B&W LICENSEES TO PROVIDE A DESIGN AND SCHEDULE FOR IMPLEMENTATION OF A SAFETY-GRADE REACTOR TRIP UPON: (A) LOSS OF FEEDWATER; (B) TURBINE TRIP; AND (C) SIGNIFICANT REDUCTION IN STEAM GENERATOR LEVEL.											
SCHEDULE:	(ORIGINAL) DESIGN INFORMATION (01/81); INSTALLATIONS (07/81) (CURRENT) SAME											
ACCOMPLISHMENTS:	STAFF REVIEW OF THESE SUBMITTALS RESULTED IN A PRELIMINARY DESIGN APPROVAL FOR THE SAFETY-GRADE ANTICIPATORY REACTOR TRIP BEING ISSUED TO THE B&W LICENSEES ON DECEMBER 20, 1979.											
CURRENT STATUS:	3 OR 7 SERS HAVE BEEN ISSUED.											
ISSUES:	THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.2	(11)	1	COMPLETE		NO	FY81 08/26/81	NRR	DAVE VERRELLI	28434	DL	ORAB	043295 *
							NRR	JOE MCMILLEN	27476	DHFS	OLB	
							IE					
TITLE:	COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR) (OPERATING TRAINING AND DRILLING)											
PURPOSE:	THIS ITEM ADDRESSES ACTION PLAN ITEMS I.A.3.1, I.A.2.2, I.A.2.5, AND I.G.1 FOR B&W PLANTS.											
SCHEDULE:	(ORIGINAL) SEE INDIVIDUAL ACTION PLANS I.A.3.1, I.2.2, I.A.2.5, I.G.1. (CURRENT) SAME											
ACCOMPLISHMENTS:												
CURRENT STATUS:	COMPLETE											
ISSUES:	THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.2	(12)	1	INACTIVE	GREEN	NO	FY81 05/05/81	NRR	NONE	00000			* *
							IE					
TITLE:	COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR) (TRANSIENT ANALYSIS AND PROCEDURES FOR MANAGEMENT OF SMALL BREAKS)											
NOTE:	(THIS ITEM WAS SUBSUMED BY ITEM I.C.1. PRIOR TO THE RELEASE OF NUREG-0660.)											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.2	(13)	1	REQUIREMENT	YELLOW	NO	TBO 09/01/81	NRR	DAVE VERRELLI	28434	DL	ORAB	
							NRR	JACK GUTTMANN	29439	DSI	RSB	*

TITLE:..... COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR)
 (THERMAL-MECHANICAL REPORT)
 PURPOSE:..... DEMONSTRATE THAT SUFFICIENT MIXING OF THE HIGH-PRESSURE INJECTION WATER WOULD OCCUR
 WITH THE REACTOR COOLANT SO THAT SIGNIFICANT THERMAL SHOCK EFFECTS TO THE REACTOR
 VESSEL ARE PRECLUDED.
 SCHEDULE:..... (ORIGINAL) SEPTEMBER 1981
 (CURRENT) TO BE DETERMINED.
 ACCOMPLISHMENTS:..
 CURRENT STATUS:.. REVIEW METHOD AND SCHEDULE ARE NOT YET DETERMINED. THIS ITEM IS A CANDIDATE FOR
 INTEGRATION INTO THE PROPOSED USI ISSUE ON "PRESSURIZED THERMAL SHOCK".
 ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE
 PROJECT ACTION TRACKING SYSTEM (PATS).

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.2	(14)	1	REQUIREMENT	YELLOW	NO	10/82 09/01/81	NRR	DAVE VERRELLI	28434	DL	ORAB	
							NRR	JACK GUTTMANN	29455	DSI	RSB	*

TITLE:..... COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR)
 (DEMONSTRATE THAT PREDICTED LIFT FREQUENCY OF PORVS AND SRVS IS ACCEPTABLE)
 PURPOSE:..... SEE II.K.3(7)
 SCHEDULE:..... SEE II.K.3(7)
 ACCOMPLISHMENTS:..
 CURRENT STATUS:..
 ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE
 PROJECT ACTION TRACKING SYSTEM (PATS).

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.2	(15)	1	COMPLETE		NO	01/81 09/01/81	NRR	DAVE VERRELLI	28434	DL	ORAB	042618
							NRR	JACK GUTTMANN	29455	DSI	RSB	*

TITLE:..... COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR)
 (ANALYSIS OF EFFECTS OF SLUG FLOW ON ONCE THROUGH STEAM GENERATOR
 TUBES AFTER PRIMARY SYSTEM VOIDING)
 PURPOSE:..... ASSESS THE LOADING ON STEAM GENERATOR TUBE SHEETS INDUCED FROM SLUG FLOW DURING
 NATURAL CIRCULATION.
 SCHEDULE:..... (ORIGINAL) 01/81 (CURRENT) 01/81
 ACCOMPLISHMENTS:.. REVIEW COMPLETE (01/81). SER PROVIDED TO B&W LICENSEES BY LETTER.
 CURRENT STATUS:..
 ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE
 PROJECT ACTION TRACKING SYSTEM (PATS).

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.2 (16)	1	REQUIREMENT	GREEN	NO	01/82	09/01/81	NRR	DAVE VERRELLI	28434	DL	ORAB	042616 *
							NRR	JACK GUTTMANN	29439	DSI	RSB	
TITLE:	COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR) (IMPACT OF RCP SEAL DAMAGE FOLLOWING SMALL BREAK LOCA WITH LOSS OF OFFSITE POWER)											
PURPOSE:	INVESTIGATE THE CONSEQUENCE OF LOSING COOLANT TO THE SEALS OF THE REACTOR COOLANT PUMPS.											
SCHEDULE:	(ORIGINAL) 01/81 (CURRENT) 01/82.											
ACCOMPLISHMENTS:	NONE											
CURRENT STATUS:	THIS IS PLANT DEPENDENT AND WILL BE REVIEWED BY NRC CONTRACTORS.											
ISSUES:	1. HOW LONG CAN THE SEALS FUNCTION WITHOUT COOLANT? 2. WHAT IS THE CONSEQUENCE OF SEAL FAILURE ON POSTULATED ACCIDENTS AND TRANSIENTS? THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.2 (17)	1	REQUIREMENT	YELLOW	NO	07/82	09/01/81	HRR	DAVE VERRELLI	28434	DL	ORAB	042619 *
							NRR	JACK GUTTMANN	29439	DSI	RSB	
TITLE:	COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR) (ANALYSIS OF POTENTIAL VOIDING IN RCS DURING ANTICIPATED TRANSIENTS)											
PURPOSE:	DETERMINE THE CONSEQUENCE OF VOIDING IN THE REACTOR VESSEL AND THE HOT LEGS DURING NORMAL ANTICIPATED TRANSIENTS.											
SCHEDULE:	(ORIGINAL) 01/81 (CURRENT) 07/81											
ACCOMPLISHMENTS:	COMPLETED GENERIC REVIEW FOR B & W PLANTS.											
CURRENT STATUS:	W AND CE SUBMITTALS DUE 01/82.											
ISSUES:	COULD NATURAL CIRCULATION BE LOST DURING NORMAL ANTICIPATED TRANSIENTS? THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.2 (18)	1	INACTIVE	GREEN	NO	FY81	05/05/81	NRR	NONE	00000			*
							IE					
TITLE:	COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR) (ANALYSIS OF LOSS OF FEEDWATER AND OTHER ANTICIPATED TRANSIENTS)											
NOTE:	(THIS ITEM WAS SUBSUMED BY ITEM I.C.1. PRIOR TO RELEASE OF NUREG-0660.)											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.2 (19)	1	REQUIREMENT	GREEN	NO	08/81	09/01/81	NRR	DAVE VERRELLI	28434	DL	ORAB	042420 *
							NRR	JACK GUTTMANN	29439	DSI	RSB	
TITLE:	COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR) (BENCHMARK ANALYSIS OF SEQUENTIAL AFW FLOW TO ONCE-THROUGH STEAM GENERATOR)											
PURPOSE:	EVALUATE THE STEAM GENERATOR MODEL IN THE SMALL BREAK LICENSING CODE (CRAFT-2) BY PREDICTING THE CRYSTAL RIVER ASYMMETRIC COOLDOWN START-UP TEST.											
SCHEDULE:	(ORIGINAL) 01/81 (CURRENT) 02/81											
ACCOMPLISHMENTS:	B&W SERS COMPLETED (02/26/81); GENERIC SER (03/81) PROVIDES BASIS FOR NOT INCLUDING W & CE PLANTS.											
CURRENT STATUS:	TRANSMITTING GENERIC SER TO W & CE LICENSEES.											
ISSUES:	THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.2 (20)	1	COMPLETE		NO	04/81	09/01/81	NRR	DAVE VERRELLI	28434	DL	ORAB	042621 *
							NRR	JACK GUTTMANN	29455	DSI	RSB	
							IE					

TITLE:..... COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR)
 (ANALYSIS OF SYSTEM RESPONSE TO SMALL BREAK LOCA THAT
 CAUSES SYSTEM PRESSURE TO EXCEED PORV SETPOINT)
 PURPOSE:..... ASSESS SMALL BREAK LOCA'S WHICH RESULT IN PRESSURIZATION OF THE PRIMARY SYSTEM TO
 THE PORV SETPOINT.
 SCHEDULE:..... (ORIGINAL) 01/81 (CURRENT) 02/81
 ACCOMPLISHMENTS:.. GENERIC SER TRANSMITTED TO DL ON 04/06/81.
 CURRENT STATUS:... COMPLETE
 ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT
 ACTION TRACKING SYSTEM (PATS).

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.2 (21)	1	COMPLETE		NO	FY81	05/05/81	NRR	NONE	00000			*
							IE					

TITLE:..... COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR)
 (LOFT 3-1 PREDICTIONS)
 NOTE:..... (THIS ITEM WAS COMPLETED PRIOR TO ISSUANCE OF THE ACTION PLAN
 (NUREG-0660) AND NO CONTACT EXISTS.)

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3 (1)	1	REQUIREMENT	GREEN	NO	10/82	09/01/81	NRR	DAVE VERRELLI	28434	DL	ORAB	042029 *
							NRR	HULBERT LI	29452	DSI	ICSB	

TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR)
 (INSTALLATION AND TESTING OF AUTOMATIC POWER-OPERATED
 RELIEF VALVE ISOLATION SYSTEM)
 PURPOSE:..... ALL PWR LICENSEES SHOULD PROVIDE A SYSTEM THAT USES THE PORV BLOCK VALVE TO PROTECT
 AGAINST A SMALL-BREAK LOSS-OF-COOLANT ACCIDENT. THIS SYSTEM WILL AUTOMATICALLY
 CAUSE THE BLOCK VALVE TO CLOSE WHEN THE REACTOR COOLANT SYSTEM PRESSURE DECAYS AFTER
 THE PORV HAS OPENED.
 SCHEDULE:..... (ORIGINAL) NONE PROVIDED
 (CURRENT) LICENSEE SUBMITTAL (IF REQUIRED) 07/81
 ACCOMPLISHMENTS:..
 CURRENT STATUS:... IMPLEMENTATION OF THIS ACTION ITEM WAS MODIFIED IN THE MAY 1980 VERSION OF NUREG-0660.
 THE CHANGE DELAYS IMPLEMENTATION OF THIS ACTION ITEM UNTIL AFTER THE STUDIES SPECIFIED
 IN TMI ACTION PLAN ITEM II.K.3(2) HAVE BEEN COMPLETED, IF SUCH STUDIES CONFIRM THAT
 THE SUBJECT SYSTEM IS NECESSARY. IF REQUIRED BY ACTION PLAN ITEM II.K.3(2), LICENSEES
 SHALL IMPLEMENT MODIFICATIONS AND CONFIRMATORY TESTS AT THE NEXT REFUELING OUTAGE
 FOLLOWING STAFF APPROVAL OF THE DESIGN, UNLESS THIS OUTAGE IS SCHEDULED WITHIN 6 MONTHS
 OF THE APPROVAL DATE. IN THIS EVENT, MODIFICATIONS WILL BE COMPLETED DURING THE
 FOLLOWING REFUELING OUTAGE.
 ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE
 PROJECT ACTION TRACKING SYSTEM (PATS).

CHAPTER... PR... STATUS... FLAG... ACTION COMP DATE REVISED OFFICE... CONTACT'S NAME... PHONE DIVSN BRANCH TACS #
 II.K.3 (2) 1 REQUIREMENT GREEN NO 10/82 09/01/81 NRR DAVE VERRELLI 28434 DL ORAB *
 TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR)
 (REPORT ON OVERALL SAFETY EFFECT OF PORV ISOLATION SYSTEM)
 PURPOSE:..... DOCUMENT THE ACRUAL TO BE TAKEN TO DECREASE THE PROBABILITY OF A SB LOCA
 CAUSED BY A SNCK PORV.
 SCHEDULE:..... (ORIGINAL) NONE
 (CURRENT) 10/82
 ACCOMPLISHMENTS:.. ORDERS WERE ISSUED (07/81) CONFIRMING LICENSEE COMMITMENTS TO SATISFY THIS REQUIREMENT.
 CURRENT STATUS:... AWAITING ISSUANCE OF TECHNICAL ASSISTANCE CONTRACT.
 ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE
 PROJECT ACTION TRACKING SYSTEM (PATS).

CHAPTER... PR... STATUS... FLAG... ACTION COMP DATE REVISED OFFICE... CONTACT'S NAME... PHONE DIVSN BRANCH TACS #
 II.K.3 (3) 1 REQUIREMENT GREEN NO 06/82 09/01/81 NRR DAVE VERRELLI 28434 DL ORAB *
 TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR)
 (REPORT SAFETY AND RELIEF VALVE FAILURES PROMPTLY AND CHALLENGES ANNUALLY)
 PURPOSE:..... INSURE THAT BOTH FAILURES AND CHALLENGES TO FORV'S ARE REPORTED TO NRC.
 CAUSED BY A SNCK PORV.
 SCHEDULE:..... (ORIGINAL) NONE
 (CURRENT) 06/82
 ACCOMPLISHMENTS:.. ORDERS WERE ISSUED (07/81) CONFIRMING LICENSEE COMMITMENTS TO SATISFY THIS ITEM.
 CURRENT STATUS:... 5 OF 70 TECH. SPECS. HAS BEEN ISSUED.
 ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE
 PROJECT ACTION TRACKING SYSTEM (PATS).

CHAPTER... PR... STATUS... FLAG... ACTION COMP DATE REVISED OFFICE... CONTACT'S NAME... PHONE DIVSN BRANCH TACS #
 II.K.3 (4) 1 INACTIVE GREEN NO FY81 05/05/81 NRR NONE 00000 *
 TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR)
 (REVIEW AND UPGRADE RELIABILITY AND REDUNDANCY OF NON-SAFETY
 EQUIPMENT FOR SMALL-BREAK LOCA MITIGATION)
 NOTE:..... (THIS ITEM WAS SUBSUMED BY ITEMS II.C.2, AND II.C.3 PRIOR TO THE
 RELEASE OF NUREG-0660.)

CHAPTER	PR	STATUS	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(5)	1	REQUIREMENT	GREEN	NO	03/82	09/01/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (AUTOMATIC TRIP OF REACTOR COOLANT PUMPS) PURPOSE:..... TO DETERMINE IF AUTOMATIC PUMP TRIP IS NECESSARY DURING SMALL BREAK LOCA'S OR IF MANUAL PUMP TRIP IS ACCEPTABLE. THE ELEMENT NEEDED TO MAKE THIS DETERMINATION IS THE ACCEPTABILITY OF THE ANALYSIS MODELS TO PREDICT THE SYSTEM BEHAVIOR. THIS WILL BE ACCOMPLISHED BY VENDORS PREDICTING LOFT TEST L3-6. SCHEDULE:..... (ORIGINAL) DOCUMENT MODELS (VENDOR) BY DEC. 3, 1980 DETERMINE MODEL ACCEPTABILITY BY APRIL 1, 1981; RUN LOFT L3-6 ON OR BEFORE DEC. 17, 1980; DISTRIBUTE TEST COMPONENTS BY JAN. 7, 1981. (CURRENT) SAME ACCOMPLISHMENTS:.. (1) MODELS DOCUMENTED BY VENDORS - RECEIVED BY NRC BEFORE DEC. 3, 1980 (2) LOFT TEST L3-6 RUN ON DEC. 10, 1980 CURRENT STATUS:.. EG&G IDAHO DISTRIBUTING ACTUAL TEST CONDITIONS FOR POST TEST PREDICTION. ISSUES:..... NONE IDENTIFIED TO DATE. THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS)													

CHAPTER	PR	STATUS	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(6)	1	INACTIVE	GREEN	NO	FY81	05/05/81	NRR	NONE	00000			*
TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (INSTRUMENTATION TO VERIFY NATURAL CIRCULATION) NOTE:..... (THIS ITEM WAS SUBSUMED BY ITEMS I.C.1, II.K.2, AND II.K.3 PRIOR TO THE RELEASE OF NUREG-0660.)													

CHAPTER	PR	STATUS	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(7)	1	REQUIREMENT	YELLOW	NO	10/82	09/01/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (EVALUATION OF PORV OPENING PROBABILITY DURING OVERPRESSURE TRANSIENT) PURPOSE:..... LICENSEES SHOULD DOCUMENT THAT PORV WILL OPEN IN LESS THAN 5% OF ALL ANTICIPATED OVERPRESSURE TRANSIENTS. SCHEDULE:..... (ORIGINAL) 10/81 (CURRENT) 10/82 ACCOMPLISHMENTS:.. ORDERS WERE ISSUED (07/81) CONFIRMING LICENSEE COMMITMENTS TO SATISFY THIS ITEM. CURRENT STATUS:.. LICENSEE SUBMITTALS TO BE REVIEWED BY TECHNICAL ASSISTANCE CONTRACTOR. ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).													

CHAPTER	PR	STATUS	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(8)	1	INACTIVE	GREEN	NO	FY81	05/05/81	NRR	NONE	00000			*
TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (FURTHER STAFF CONSIDERATION OF NEED FOR DIVERSE DECAY HEAT REMOVAL) NOTE:..... (THIS ITEM WAS SUBSUMED BY ITEMS II.C.1, II.E.3.3 PRIOR TO THE RELEASE OF NUREG-0660.)													

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(9)	1	REQUIREMENT	GREEN	NO	01/82 09/01/81	HRR	DAVE VERRELLI	28434	DL	ORAB	042029 *
							HRR	PHIL BENDER	29448	DSI	ICSB	

TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR)
 (PROPORTIONAL INTEGRAL DERIVATIVE CONTROLLER MODIFICATION)
 PURPOSE:..... THE WESTINGHOUSE-RECOMMENDED MODIFICATION TO THE PROPORTIONAL INTEGRAL DERIVATIVE
 (PID) CONTROLLER SHOULD BE IMPLEMENTED BY AFFECTED LICENSEES.
 SCHEDULE:..... (ORIGINAL) IMPLEMENTATION (01/81)
 (CURRENT) SAME
 ACCOMPLISHMENTS:..
 CURRENT STATUS:.. THE WESTINGHOUSE-RECOMMENDED MODIFICATION IS TO RAISE THE INTERLOCK BISTABLE
 TRIP SETTING TO PRECLUDE DERIVATIVE ACTION FROM OPENING THE POWER-OPERATED RELIEF
 VALVE (PORV). SOME PLANTS HAVE PROPOSED CHANGING THE DERIVATIVE ACTION SETTING TO
 ZERO, THEREBY ELIMINATING IT FROM CONSIDERATION. EITHER MODIFICATION IS ACCEPTABLE
 TO THE STAFF. THIS REPRESENTS A NEWLY AVAILABLE OPTION. CONFIRMATION OF MODIFICATION
 TO BE HANDLED BY PROJECT MANAGER. IF DESIGN MODIFICATIONS ARE PROPOSED OTHER THAN
 INDICATED ABOVE, THE DESIGN IS TO BE REVIEWED BY ICSB. 5 OF 30 REVIEWS ARE COMPLETE.
 ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE
 PROJECT ACTION TRACKING SYSTEM (PATS).

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(10)	1	REQUIREMENT	GREEN	NO	01/82 09/01/81	HRR	DAVE VERRELLI	28434	DL	ORAB	042029 *
							HRR	PHIL BENDER	29448	DSI	ICSB	

TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR)
 (PROPOSED ANTICIPATORY TRIP MODIFICATION)
 PURPOSE:..... THE ANTICIPATORY TRIP MODIFICATION PROPOSED BY SOME LICENSEES TO CONFINE THE RANGE
 OF USE TO HIGH-POWER LEVELS SHOULD NOT BE MADE UNTIL IT HAS BEEN SHOWN ON A PLANT-
 BY-PLANT BASIS THAT THE PROBABILITY OF A SMALL-BREAK LOSS-OF-COOLANT ACCIDENT (LOCA)
 RESULTING FROM A STUCK-OPEN POWER-OPERATED RELIEF VALVE (PORV) IS SUBSTANTIALLY
 UNAFFECTED BY THE MODIFICATION.
 SCHEDULE:..... (ORIGINAL) REVIEW LICENSEES PROPOSALS AS SUBMITTED
 (CURRENT) SAME
 ACCOMPLISHMENTS:..
 CURRENT STATUS:.. THIS EVALUATION IS REQUIRED FOR ONLY THOSE LICENSEES/APPLICANTS WHO PROPOSE
 THE MODIFICATION. COMPLETION DATE FOR MEETING REQUIREMENTS WILL BE DICTATED BY PLANT
 SCHEDULE FOR PROPOSED MODIFICATION. 4 OF 30 REVIEWS COMPLETE.
 ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE
 PROJECT ACTION TRACKING SYSTEM (PATS).

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(11)	1	REQUIREMENT	GREEN	NO	10/81 09/01/81	HRR	DAVE VERRELLI	28434	DL	ORAB	*

TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR)
 (CONTROL USE OF PORV SUPPLIED BY CONTROL COMPONENTS, INC.
 UNTIL FURTHER REVIEW COMPLETED)
 PURPOSE:..... JUSTIFY USE OF ANY TYPE PORV THAT HAS FAILED DURING TESTING.
 SCHEDULE:..... (ORIGINAL) NONE
 (CURRENT) 10/81
 ACCOMPLISHMENTS:.. NONE
 CURRENT STATUS:.. INACTIVE; NO OPERATING PLANT HAS BEEN IDENTIFIED FOR WHICH THIS ITEM IS APPLICABLE.
 ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE
 PROJECT ACTION TRACKING SYSTEM (PATS).

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(12)	1	REQUIREMENT	GREEN	NO	12/81 09/01/81	NRR	DAVE VERRELLI NRR PHIL BENDER	28434 29448	DL DSI	ORAB ICSB	042029 *
TITLE:	FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (CONFIRM EXISTENCE OF ANTICIPATORY REACTOR TRIP UPON TURBINE TRIP)											
PURPOSE:	LICENSEES WITH WESTINGHOUSE-DESIGNED OPERATING PLANTS SHOULD CONFIRM THAT THEIR PLANTS HAVE AN ANTICIPATORY REACTOR TRIP UPON TURBINE TRIP. THE LICENSEE OF ANY PLANT WHERE THIS TRIP IS NOT PRESENT SHOULD PROVIDE A CONCEPTUAL DESIGN AND EVALUATION FOR THE INSTALLATION OF THIS TRIP.											
SCHEDULE:	(ORIGINAL) 04/81. (CURRENT) DESIGN MODIFICATIONS (IF REQ'D). SAME											
ACCOMPLISHMENTS:	ORDERS WERE ISSUED (07/81) CONFIRMING LICENSEE COMMITMENTS TO COMPLETE THIS ITEM.											
CURRENT STATUS:	NO DESIGN SUBMITTALS EXPECTED OR RECEIVED OIE TO VERIFY.											
ISSUES:	THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(13)	1	REQUIREMENT	YELLOW	NO	01/82 09/01/81	NRR	DAVE VERRELLI NRR WAYNE HODGES	28434 27579	DL DSI	ORAB RSB	* *
TITLE:	FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (SEPARATION OF HPCI AND RCIC INITIATION LEVELS)											
PURPOSE:	ANALYZE BENEFITS TO BE GAINED FROM SEPARATING HPCI AND RCIC INITIATION LEVELS AND PROVIDING AUTO-RESTART OF RCIC ON LOW-LOW LEVEL.											
SCHEDULE:	(ORIGINAL) ANALYSES 10/1/80; IMPLEMENT 4/1/80 (CURRENT) ANALYSES AND PROPOSED MODS 1/1/81; IMPLEMENT 7/1/81											
ACCOMPLISHMENTS:	ORDERS WERE ISSUED (07/81) CONFIRMING LICENSEE COMMITMENTS TO PERFORM EVALUATION.											
CURRENT STATUS:	BWR OWNERS GROUP REPORTS (10/01/80 AND 12/29/80) ARE UNDER REVIEW.											
ISSUES:	RESULTS OF REVIEW COULD IMPACT IMPLEMENTATION DATE. THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(14)	1	REQUIREMENT	GREEN	NO	07/82 09/01/81	NRR	DAVE VERRELLI NRR MEL FIELDS	28434 29417	DL DSI	ORAB CSB	* *
TITLE:	FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (ISOLATION CONDENSERS ON HIGH RADIATION)											
PURPOSE:	INCREASE THE AVAILABILITY OF THE ISOLATION CONDENSERS AS HEAT SINKS BY PROVIDING HIGH RADIATION ISOLATION SIGNAL AT THE VENT RATHER THAN AT THE STEAM LINES. APPLICABLE ONLY TO OR BWRs WITH ISOLATION CONDENSERS.											
SCHEDULE:	(ORIGINAL) SENT POSITIONS TO LICENSEES 01/81. (CURRENT) DESIGN MODIFICATIONS SHALL BE COMPLETED BY 01/82. REVIEW COMPLETE BY 07/82.											
ACCOMPLISHMENTS:	REQUIREMENTS FOR THIS ITEM CONTAINED IN NUREG-0737, PUBLISHED 11/80.											
CURRENT STATUS:	AWAITING CONFIRMATION FROM THOSE OPERATING BWRs THAT POSSESS ISOLATION CONDENSERS THAT THE REQUIRED DESIGN MODIFICATIONS HAVE BEEN COMPLETED.											
ISSUES:	THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(15)	1	REQUIREMENT	GREEN	NO	11/81 09/01/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
<p>TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (MODIFY BREAK DETECTION LOGIC TO PREVENT SPURIOUS ISOLATION OF HPCI AND RCIC SYSTEMS)</p> <p>PURPOSE:..... MODIFY PIPE-BREAK-DETECTION CIRCUITRY TO PREVENT ISOLATION OF SYSTEM(S) DUE TO START-UP PRESSURE TRANSIENT</p> <p>SCHEDULE:..... (ORIGINAL) LICENSEE TO IMPLEMENT CHANGES 01/81 STAFF POST IMPLEMENTATION REVIEW 09/81. (CURRENT) 11/81</p> <p>ACCOMPLISHMENTS:.. UNDER REVIEW</p> <p>CURRENT STATUS:... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE</p> <p>ISSUES:..... PROJECT ACTION TRACKING SYSTEM (PATS).</p>												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(16)	1	REQUIREMENT	GREEN	NO	10/81 09/01/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
<p>TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (REDUCTION OF CHALLENGES AND FAILURES OF RELIEF VALVES- FEASIBILITY STUDY AND SYSTEM MODIFICATION)</p> <p>PURPOSE:..... REDUCE CHALLENGE AND FAILURE RATES OF RELIEF VALVES TO MINIMIZE THE MOST POSSIBLE CAUSE OF A SMALL BREAR LOCA.</p> <p>SCHEDULE:..... (ORIGINAL) 10/81 (CURRENT) SAME</p> <p>ACCOMPLISHMENTS:.. ORDERS WERE ISSUED (07/81) CONFIRMING LICENSEE COMMITMENTS TO PROVIDE AN EVALUATION.</p> <p>CURRENT STATUS:... BWR OWNERS GROUP REPORT 03/31/81 IS UNDER REVIEW.</p> <p>ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE</p> <p>PROJECT ACTION TRACKING SYSTEM (PATS).</p>												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(17)	1	REQUIREMENT	GREEN	NO	FY82 06/05/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
<p>TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (REPORT ON OUTAGE OF ECC SYSTEMS)</p> <p>PURPOSE:..... REVIEW DATA ON ECC SYSTEM OUTAGES TO DETERMINE IF CUMULATIVE OUTAGE TIME LIMITATIONS SHOULD BE INCORPORATED IN TECHNICAL SPECIFICATIONS.</p> <p>SCHEDULE:..... (ORIGINAL) 07/81 (CURRENT) 07/82</p> <p>ACCOMPLISHMENTS:.. ORDERS WERE ISSUED (07/81) CONFIRMING LICENSEE COMMITMENTS TO PROVIDE ECCS OUTAGE DATA.</p> <p>CURRENT STATUS:... AWAITING ISSUANCE OF TECHNICAL ASSISTANCE CONTRACT.</p> <p>ISSUES:..... INSUFFICIENT STAFF PERSONNEL TO REVIEW THIS ITEM. USE OF TECHNICAL ASSISTANCE CONTRACT IS PLANNED FOR COMPLETING THIS ITEM. THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).</p>												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(18)	1	REQUIREMENT	GREEN	NO	07/82 06/05/81	NRR	DAVE VERRELLI NRR WAYNE HODGES	28434 DL 27579 DSI	ORAB RSB		*
TITLE:	FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (MODIFICATION OF AUTOMATIC DEPRESSURIZATION SYSTEM LOGIC--FEASIBILITY FOR INCREASED DIVERSITY FOR SOME EVENT SEQUENCES)											
PURPOSE:	THE AUTOMATIC DEPRESSURIZATION SYSTEM (ADS) ACTUATION LOGIC SHOULD BE MODIFIED TO ELIMINATE THE NEED FOR MANUAL ACTUATION TO ASSURE ADEQUATE CORE COOLING. A FEASIBILITY AND RISK ASSESSMENT STUDY IS REQUIRED TO DETERMINE THE OPTIMUM APPROACH.											
SCHEDULE:	(ORIGINAL) NONE PROVIDED (CURRENT) STUDY (04/81); PROPOSE MODIFICATIONS (04/82); IMPLEMENT MODIFICATIONS (FIRST REFUELING).											
ACCOMPLISHMENTS:	BWR OWNERS GROUP REPORT (03/31/81) UNDER REVIEW TO DETERMINE IF MODIFICATIONS ARE REQUIRED. ORDERS WERE ISSUED (07/81) CONFIRMING LICENSEE COMMITMENTS TO COMPLETE THIS ITEM.											
CURRENT STATUS:	THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											
ISSUES:												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(19)	1	REQUIREMENT	GREEN	NO	10/81 09/01/81	NRR	DAVE VERRELLI NRR WAYNE HODGES	28434 DL 27579 DSI	ORAB RSB		*
TITLE:	FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (INTERLOCK ON RECIRCULATING PUMP LOOPS)											
PURPOSE:	INSTALL INTERLOCKS ON NON-JET PUMP PLANTS TO ASSURE THAT LEVEL MEASUREMENTS ARE REPRESENTATIVE OF LEVEL IN CORE.											
SCHEDULE:	(ORIGINAL) IMPLEMENT CHANGE - POST IMPLEMENTATION REVIEW (CURRENT) SAME											
ACCOMPLISHMENTS:	LICENSEE SUBMITTALS UNDER REVIEW.											
CURRENT STATUS:	THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											
ISSUES:												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(20)	1	COMPLETE		NO	06/81 09/01/81	NRR	DAVE VERRELLI NRR NICK FLORAVANTE	28434 DL 28941 DSI	ORAB ASB		*
TITLE:	FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (LOSS OF SERVICE WATER FOR BIG ROCK POINT)											
PURPOSE:	TO EVALUATE ACCEPTABILITY OR THE CONSEQUENCES OF A LOSS OF SERVICE WATER TO											
SCHEDULE:	(ORIGINAL) 01/81 (NUREG-0737) 07/81											
ACCOMPLISHMENTS:	SER WAS ISSUED TO LICENSEE IN JUNE 1981.											
CURRENT STATUS:	COMPLETE											
ISSUES:	LOSS OF COOLING PUMP SEALS WILL BE EVALUATED UNDER II.K.3(25). THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
11.K.3	(21)	1	REQUIREMENT	YELLOW	NO	01/82 09/01/81	NRR	DAVE VERRELLI	28434	DL	ORAB	042029 *
			TITLE:	FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (RESTART OF CORE SPRAY AND LOW-PRESSURE)								
			PURPOSE:	THE CORE-SPRAY AND LOW-PRESSURE, COOLANT-INJECTION (LPCI) SYSTEM FLOW MAY BE STOPPED BY THE OPERATOR. THESE SYSTEMS WILL NOT RESTART AUTOMATICALLY ON LOSS OF WATER LEVEL IF AN INITIATION SIGNAL IS STILL PRESENT. THE CORE SPRAY AND LPCI SYSTEM LOGIC SHOULD BE MODIFIED SO THAT THESE SYSTEMS WILL RESTART, IF REQUIRED, TO ASSURE ADEQUATE CORE COOLING.								
			SCHEDULE:	(ORIGINAL) ANALYSIS AND DESIGN (01/81) (CURRENT) 01/82								
			ACCOMPLISHMENTS:	ORDERS WERE ISSUED (07/81) TO CONFIRM LICENSEE COMMITMENT TO PERFORM EVALUATION.								
			CURRENT STATUS:	BWR OWNERS GROUP REPORT (12/24/80) IS UNDER REVIEW.								
			ISSUES:	THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).								

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
11.K.3	(22)	1	REQUIREMENT	GREEN	NO	03/82 09/01/81	NRR	DAVE VERRELLI	28434	DL	ORAB	042029 *
			TITLE:	FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (AUTOMATIC SWITCHOVER OF REACTOR CORE ISOLATION COOLING SYSTEM SUCTION--VERIFY PROCEDURES AND MODIFY DESIGN)								
			PURPOSE:	THE REACTOR CORE ISOLATION COOLING (RCIC) SYSTEM TAKES SUCTION FROM THE CONDENSATE STORAGE TANK WITH MANUAL SWITCHOVER TO THE SUPPRESSION POOL WHEN THE CONDENSATE STORAGE TANK LEVEL IS LOW. THIS SWITCHOVER SHOULD BE MADE AUTOMATICALLY. UNTIL THE AUTOMATIC SWITCHOVER IS IMPLEMENTED, LICENSEES SHOULD VERIFY THAT CLEAR AND COGENT PROCEDURES EXIST FOR THE MANUAL SWITCHOVER OF THE RCIC SYSTEM SUCTION FROM THE CONDENSATE STORAGE TANK TO THE SUPPRESSION POOL.								
			SCHEDULE:	(ORIGINAL) NOT PROVIDED (CURRENT) VERIFY PROCEDURES (01/81) MODIFY DESIGN (03/82)								
			ACCOMPLISHMENTS:	ORDERS WERE ISSUED (07/81) TO CONFIRM LICENSEE COMMITMENTS TO IMPLEMENT PROCEDURES AND SUBMIT DOCUMENTATION OF CHANGES.								
			CURRENT STATUS:	DIE TO VERIFY THAT INTERIM PROCEDURES ARE IN EFFECT.								
			ISSUES:	THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).								

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
11.K.3	(23)	1	INACTIVE	GREEN	NO	FY81 05/05/81	NRR	NONE	00000			* *
			TITLE:	FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (CENTRAL WATER LEVEL RECORDING)								
			NOTE:	(THIS ITEM WAS SUBSUMED BY ITEMS I.D.2, III.A1.2, AND III.A.3.4 PRIOR TO THE RELEASE OF NUREG-0660.)								

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(24)	1	REQUIREMENT	GREEN	NO	04/82 09/01/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
							NRR	WAYNE HODGES	27579	DSI	RSB	
TITLE:	FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (ADEQUACY OF HPCI AND RCIC SPACE COOLING)											
PURPOSE:	VERIFY THAT HPCI AND RCIC ARE DESIGNED TO WITHSTAND LOSS OF OFF-SITE AC POWER FOR AT LEAST 2 HOURS.											
SCHEDULE:	(ORIGINAL) SUBMIT ANALYSES OR DATA (01/82) (CURRENT) SAME											
ACCOMPLISHMENTS:												
CURRENT STATUS:	INACTIVE; SUBMITTALS DUE 01/82.											
ISSUES:	STAFFING REQUIREMENT AND COMPLETION DATE CAN BE ESTIMATED AFTER RECEIPT OF SUBMITTALS. THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(25)	1	REQUIREMENT	GREEN	NO	07/82 09/01/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
							NRR	WAYNE HODGES	27579	DSI	RSB	
TITLE:	FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (EFFECT OF LOSS OF AC POWER ON PUMP SEALS)											
PURPOSE:	VERIFY ADEQUACY OF PUMP SEALS TO WITHSTAND LOSS OF COOLING WATER DUE TO LOSS OF AC POWER FOR AT LEAST 2 HOURS.											
SCHEDULE:	(ORIGINAL) BWR SUBMITTAL (01/82) (CURRENT) BWR SUBMITTAL (07/81) BWR MODIFICATIONS COMPLETE/PWR SUBMITTAL (01/82) PWR COMPLETE MODIFICATIONS (07/82)											
ACCOMPLISHMENTS:												
CURRENT STATUS:	EVALUATION OF BWR OWNERS GROUP REPORT (05/22/81) IS IN PROGRESS; PWR REPORT NOT DUE UNTIL 01/82.											
ISSUES:	STAFFING REQUIREMENT AND COMPLETION DATE CAN BE ESTIMATED AFTER RECEIPT OF SUBMITTALS THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3 (26)	1	INACTIVE	GREEN	NO	FY81	05/05/81	NRR	NONE	00000			
TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (STUDY EFFECT OF RHR ON RELIABILITY OF ITS USE FOR FUEL POOL COOLING)												
NOTE:..... (THIS ITEM HAS BEEN SUBSUMED BY ITEM I.E.2.1 PRIOR TO THE RELEASE OF NUREG-0660.)												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3 (27)	1	REQUIREMENT	GREEN	NO	01/82	09/01/81	NRR	DAVE VERRELLI NRR DOMENIC TONDI	28434 24608	DL DHFS	ORAB HFEB	042029
TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (PROVIDE COMMON REFERENCE LEVEL FOR VESSEL LEVEL INSTRUMENTATION)												
PURPOSE:..... DIFFERENT REFERENCE POINTS OF THE VARIOUS REACTOR VESSEL WATER LEVEL INSTRUMENTS MAY CAUSE OPERATOR CONFUSION. THEREFORE, ALL LEVEL INSTRUMENTS SHOULD BE REFERENCED TO THE SAME POINT. EITHER THE BOTTOM OF THE VESSEL OR THE ACTIVE FUEL ARE REASONABLE REFERENCE POINTS.												
SCHEDULE:..... (ORIGINAL) NONE (CURRENT) IMPLEMENTED 07/81.												
ACCOMPLISHMENTS:.. STAFF EVALUATION OF BWR OWNERS GROUP REPORT WAS ISSUED ON 04/06/81. ORDERS WERE ISSUED (07/81) TO CONFIRM COMPLETION DATE FOR THIS ITEM.												
CURRENT STATUS:... AWAITING LICENSEE SUBMITTALS OF INSTRUMENTATION DETAILS.												
ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(28)	1	REQUIREMENT	GREEN	NO	01/83 09/01/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
							NRR	ZOLTAN ROSZTOCZY	27209	DE	EQB	
TITLE:	FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (STUDY AND VERIFY QUALIFICATION OF ACCUMULATORS ON ADS VALVES)											
PURPOSE:	ASSURE THAT AIR OR NITROGEN ACCUMULATORS FOR ADS VALVES HAVE SUFFICIENT CAPACITY TO CYCLE THE VALVES OPEN FIVE TIMES AT DESIGN PRESSURE.											
SCHEDULE:	(ORIGINAL) NONE (CURRENT) SUBMITTALS DUE 01/82											
ACCOMPLISHMENTS:	INACTIVE											
CURRENT STATUS:	INACTIVE											
ISSUES:	THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(29)	1	REQUIREMENT	GREEN	NO	12/81 09/01/81	NRR	DAVE VERRELLI	28434	DL	ORAB	*
							NRR	WAYNE HODGES	27579	DSI	RSB	
TITLE:	FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (STUDY TO DEMONSTRATE PERFORMANCE OF ISOLATION CONDENSERS)											
PURPOSE:	DEMONSTRATE ADEQUACY OF ISOLATION CONDENSERS WITH NON-CONDENSIBLES.											
SCHEDULE:	(ORIGINAL) SUBMIT EVALUATION (04/81) (CURRENT) SUBMIT EVALUATION - POST IMPLEMENTATION REVIEW (09/81)											
ACCOMPLISHMENTS:	ORDERS WERE ISSUED (07/81) TO CONFIRM LICENSEE COMMITMENTS TO COMPLETE THIS ITEM.											
CURRENT STATUS:	LICENSEE SUBMITTALS UNDER REVIEW.											
ISSUES:	LICENSEE COMMITMENTS TO INSTALL HIGH POINT VENTS ON ISOLATION CONDENSORS MAY BE ADEQUATE RESOLUTION OF THIS ITEM. THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(30)	1	REQUIREMENT	GREEN	NO	01/83 01/15/82	NRR	DAVE VERRELLI	28434	DL	ORAB	*
							NRR	ED THROM	29447	DSI	RSB	
TITLE:	FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (REVISED SBLOCA MODEL TO COMPLY WITH 10 CFR 50.46, APPENDIX K)											
PURPOSE:	THE ANALYSIS METHODS USED BY NUCLEAR STEAM SUPPLY SYSTEM (NSSS) VENDORS AND/OR FUEL SUPPLIERS FOR SMALL-BREAK LOSS-OF-COOLANT ACCIDENT (LOCA) ANALYSIS FOR COMPLIANCE WITH APPENDIX K TO 10 CFR 50 SHOULD BE REVISED, DOCUMENTED, AND SUBMITTED FOR NRC APPROVAL. THE REVISIONS SHOULD ACCOUNT FOR COMPARISONS WITH EXPERIMENTAL DATA, INCLUDING DATA FROM THE LOFT AND SEMISCALE TEST FACILITIES.											
SCHEDULE:	(ORIGINAL) LICENSEES: SUBMIT PROGRAM OUTLINE 11/15/80. MODEL JUSTIFICATION/REVISED MODEL SUBMIT ADDITIONAL INFO 01/01/82 PLANT SPECIFIC ANALYSES 01/01/83 (CURRENT) SAME											
ACCOMPLISHMENTS:	MET WITH NSSS VENDORS TO DISCUSS PROGRAM OUTLINE.											
CURRENT STATUS:	REVISED NSSS VENDOR MODELS UNDER REVIEW.											
ISSUES:	TO BE DEFINED DURING REVIEW OF REVISED MODEL SUBMITTALS. THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(31)	1	REQUIREMENT	GREEN	NO	01/84 09/01/81	NRR	DAVE VERRELLI ED THROM	28434 29447	DL	ORAB RSB	*
TITLE:	FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (PLANT SPECIFIC CALCULATIONS TO SHOW COMPLIANCE WITH 10 CFR 50.66)											
PURPOSE:	THE ANALYSIS METHODS USED BY NUCLEAR STEAM SUPPLY SYSTEM (NSSS) VENDORS AND/OR FUEL SUPPLIERS FOR SMALL-BREAK LOS-OF-COOLANT ACCIDENT (LOCA) ANALYSIS FOR COMPLIANCE WITH APPENDIX K TO 10 CFR 50 SHOULD BE REVISED, DOCUMENTED, AND SUBMITTED FOR NRC APPROVAL. THE REVISIONS SHOULD ACCOUNT FOR COMPARISONS WITH EXPERIMENTAL DATA, INCLUDING DATA FROM THE LOFT AND SEMISCALE TEST FACILITIES.											
SCHEDULE:	(ORIGINAL) LICENSEES: SUBMIT PROGRAM OUTLINE 11/15/80; MODEL JUSTIFICATION/REVISED MODEL SUBMIT ADDITIONAL INFO 01/01/82 PLANT SPECIFIC ANALYSES 01/01/83 (CURRENT) SAME											
ACCOMPLISHMENTS:	MET WITH WESTINGHOUSE AND BABCOCK & WILCOX TO DISCUSS PROGRAM OUTLINE											
CURRENT STATUS:	NO ISSUE OR PROBLEMS ENCOUNTERED SINCE PROGRAM HAS NOT YET BEEN INITIATED. PLANT SPECIFIC ANALYSIS NOT YET DONE.											
ISSUES:	TO BE DEFINED DURING REVIEW OF REVISED MODEL SUBMITTALS. THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(32)	1	INACTIVE	GREEN	NO	FY81 05/05/81	NRR	NONE	00000			*
TITLE:	FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (PROVIDE EXPERIMENTED VERIFICATION OF TWO-PHASE NATURAL CIRCULATION MODELS)											
NOTE:	(THIS ITEM WAS SUBSUMED BY ITEM II.E.2.2 PRIOR TO THE RELEASE OF NUREG-0660.)											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(33)	1	INACTIVE	GREEN	NO	FY81 05/05/81	NRR	NONE	00000			*
TITLE:	FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (EVALUATE ELIMINATION OF PORV FUNCTION)											
NOTE:	(THIS ITEM WAS SUBSUMED BY ITEM II.C.1 PRIOR TO THE RELEASE OF NUREG-0660.)											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(34)	1	INACTIVE	GREEN	NO	FY81 05/05/81	NRR	NONE	00000			*
TITLE:	FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (RELAP-4 MODELS DEVELOPMENT)											
NOTE:	(THIS ITEM WAS SUBSUMED BY ITEM II.E.2.2 PRIOR TO THE RELEASE OF NUREG-0660.)											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(35)	1	INACTIVE	GREEN	NO	FY81 05/05/81	NRR	NONE	00000			*
TITLE:	FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (EVALUATION OF EFFECTS OF CORE FLOOD TANK INJECTION ON SMALL-BREAK LOCAS)											
NOTE:	(THIS ITEM WAS SUBSUMED BY ITEM I.C.1 PRIOR TO THE RELEASE OF NUREG-0660.)											

CHAPTER... PR... STATUS... FLAG... ACTION COMP DATE REVISED OFFICE... CONTACT'S NAME... PHONE DIVSN BRANCH TACS #
 II.K.3 (36) 1 INACTIVE GREEN NO FY81 05/05/81 NRR NONE 00000 *
 TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR)
 (ADDITIONAL STAFF AUDIT CALCULATIONS OF B&W SMALL-BREAK LOCA ANALYSES)
 NOTE:..... (THIS ITEM WAS SUBSUMED BY ITEM I.C.1 PRIOR TO THE RELEASE OF NUREG-0660.)

CHAPTER... PR... STATUS... FLAG... ACTION COMP DATE REVISED OFFICE... CONTACT'S NAME... PHONE DIVSN BRANCH TACS #
 II.K.3 (37) 1 INACTIVE GREEN NO FY81 05/05/81 NRR NONE 00000 *
 TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR)
 (ANALYSIS OF B&W PLANT RESPONSE TO ISOLATED SMALL-BREAK LOCA)
 NOTE:..... (THIS ITEM SUBSUMED BY ITEM I.C.1 PRIOR TO THE RELEASE OF NUREG-0660.)

CHAPTER... PR... STATUS... FLAG... ACTION COMP DATE REVISED OFFICE... CONTACT'S NAME... PHONE DIVSN BRANCH TACS #
 II.K.3 (38) 1 INACTIVE GREEN NO FY81 05/05/81 NRR NONE 00000 *
 TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR)
 (ANALYSIS OF PLANT RESPONSE TO A SMALL-BREAK LOCA IN THE
 PRESSURIZER SPRAY LINE)
 NOTE:..... (THIS ITEM SUBSUMED BY ITEM I.C.1 PRIOR TO THE RELEASE OF NUREG-0660.)

CHAPTER... PR... STATUS... FLAG... ACTION COMP DATE REVISED OFFICE... CONTACT'S NAME... PHONE DIVSN BRANCH TACS #
 II.K.3 (39) 1 INACTIVE GREEN NO FY81 05/05/81 NRR NONE 00000 *
 TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR)
 (EVALUATION OF EFFECTS OF WATER SLUGS IN PIPING CAUSED BY
 HPI AND CFT FLOWS)
 NOTE:..... (THIS ITEM SUBSUMED BY ITEM I.C.1 PRIOR TO THE RELEASE OF NUREG-0660.)

CHAPTER... PR... STATUS... FLAG... ACTION COMP DATE REVISED OFFICE... CONTACT'S NAME... PHONE DIVSN BRANCH TACS #
 II.K.3 (40) 1 REQUIREMENT GREEN NO 01/82 09/01/81 NRR DAVE VERRELLI 28434 DL ORAB *
 TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR)
 (EVALUATION OF RCP SEAL CHANGE AND LEAKAGE DURING A SMALL-BREAK LOCA)
 PURPOSE:..... SEE II.K.2(16).
 SCHEDULE:.....
 ACCOMPLISHMENTS:..
 CURRENT STATUS:..
 ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE
 PROJECT ACTION TRACKING SYSTEM (PATS).

CHAPTER	PR	STATUS	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3 (41)	1	INACTIVE	GREEN	NO	FY81	05/05/81		NRR	NONE	00000			
TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR)													
(SUBMIT PREDICTIONS FOR LOFT TEST 13-6 WITH RCPS RUNNING)													
NOTE:..... (THIS ITEM WAS SUBSUMED BY ITEM I.C.1 PRIOR TO THE RELEASE OF NUREG-0660.)													

CHAPTER	PR	STATUS	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3 (42)	1	INACTIVE	GREEN	NO	FY81	05/05/81		NRR	NONE	00000			
TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR)													
(SUBMIT REQUESTED INFORMATION ON THE EFFECTS OF NON-CONDENSIBLE GASES)													
NOTE:..... (THIS ITEM SUBSUMED BY ITEM I.C.1 PRIOR TO THE RELEASE OF NUREG-0660.)													

CHAPTER	PR	STATUS	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3 (43)	1	COMPLETE		NO	01/81	09/01/81		NRR	DAVE VERRELLI	28434	DL	ORAB	
TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR)													
(EVALUATION OF MECHANICAL EFFECTS OF SLUG FLOW ON STEAM GENERATOR TUBES)													
PURPOSE:..... SEE II.K.2(15).													
SCHEDULE:.....													
ACCOMPLISHMENTS:..													
CURRENT STATUS:...													
ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).													

CHAPTER	PR	STATUS	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3 (44)	1	REQUIREMENT	GREEN	NO	12/81	09/01/81		NRR	DAVE VERRELLI	28434	DL	ORAB	
TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR)													
(EVALUATION OF ANTICIPATED TRANSIENTS WITH SINGLE FAILURE)													
PURPOSE:..... SHOW THAT TRANSIENTS COMBINED WITH WORST SINGLE FAILURE WILL NOT RESULT IN SIGNIFICANT FUEL DAMAGE.													
SCHEDULE:..... (ORIGINAL) SUBMITTAL - POST IMPLEMENTATION REVIEW (01/81)													
(CURRENT) 12/81													
ACCOMPLISHMENTS:..													
CURRENT STATUS:...													
ISSUES:..... BWR OWNERS GROUP REPORT (123/29/80) HAS BEEN EVALUATED; EACH LICENSEE IS TO VERIFY THAT GENERIC ASSUMPTIONS ARE APPLICABLE TO THEIR PLANT.													
THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION TRACKING SYSTEM (PATS).													

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(45)	1	REQUIREMENT	YELLOW	NO	01/82 09/01/81	NRR	DAVE VERRELLI WAYNE HODGES	28434 27579	DL DSI	ORAB RSB	*
TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (EVALUATE DEPRESSURIZATION WITH OTHER THAN FULL ADS)												
PURPOSE:..... ANALYZE DEPRESSURIZATION MODES OTHER THAN FULL ADS FOR POSSIBLE INCLUSION IN EMERGENCY PROCEDURES.												
SCHEDULE:..... (ORIGINAL) SUBMITTAL - POST IMPLEMENTATION REVIEW (01/81) (CURRENT) SAME												
ACCOMPLISHMENTS:.. BWR OWNERS GROUP REPORT (12/29/80) IS UNDER REVIEW.												
CURRENT STATUS:.. THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE												
ISSUES:..... PROJECT ACTION TRACKING SYSTEM (PATS).												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(46)	1	COMPLETE		NO	06/81 09/01/81	NRR	DAVE VERRELLI WAYNE HODGES	28434 29454	DL DSI	ORAB RSB	*
TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (RESPONSE TO LIST OF CONCERNS FROM ACRS CONSULTANTS)												
PURPOSE:..... RESPOND TO CONCERNS RAISED BY ACRS CONSULTANT												
SCHEDULE:..... (ORIGINAL) SUBMIT RESPONSE (07/80) (CURRENT) COMPLETE												
ACCOMPLISHMENTS:.. ADVISED BWR OWNERS GROUP OF ACCEPTABLE RESPONSE (DL LETTER DATED 06/12/81).												
CURRENT STATUS:..												
ISSUES:.....												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(47)	1	INACTIVE	GREEN	NO	FY81 05/05/81	NRR	NONE	00000			*
TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (TEST PROGRAM FOR SMALL-BREAK LOCA MODEL VERIFICATION)												
NOTE:..... (THIS ITEM SUBSUMED BY ITEMS I.C.1 AND II.E.2.2 PRIOR TO THE RELEASE OF NUREG-0660.)												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3	(48)	1	INACTIVE	GREEN	NO	FY81 05/05/81	NRR	NONE	00000			*
TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (ASSESS CHANGE IN SAFETY RELIABILITY AS RESULT OF IMPLEMENTATING B&OTF RECOMMENDATIONS)												
NOTE:..... (THIS ITEM WAS SUBSUMED BY ITEMS II.C.1 AND II.C.2 PRIOR TO THE RELEASE OF NUREG-0660.)												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3 (49)	1	INACTIVE	GREEN	NO	FY81 05/05/81		NRR	NONE	00000			
TITLE:			FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (REVIEW OF PROCEDURES - NRC)									
NOTE:			(THIS ITEM SUBSUMED BY ITEMS I.C.8 AND I.C.9 PRIOR TO THE RELEASE OF NUREG-0660.)									

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3 (50)	1	INACTIVE	GREEN	NO	FY81 05/05/81		NRR	NONE	00000			
TITLE:			FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (REVIEW OF PROCEDURES - NSSS VENDORS)									
NOTE:			(THIS ITEM WAS SUBSUMED BY ITEMS I.C.7 AND I.C.9 PRIOR TO THE RELEASE OF NUREG-0660.)									

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3 (51)	1	INACTIVE	GREEN	NO	FY81 05/05/81		NRR	NONE	00000			
TITLE:			FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (SYMPTOM-BASED EMERGENCY PROCEDURES)									
NOTE:			(THIS ITEM WAS SUBSUMED BY ITEM I.C.9 PRIOR TO RELEASE OF NUREG-0660.)									

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3 (52)	1	INACTIVE	GREEN	NO	FY81 05/05/81		NRR	NONE	00000			
TITLE:			FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (OPERATOR AWARENESS OF REVISED EMERGENCY PROCEDURES)									
NOTE:			(THIS ITEM WAS SUBSUMED BY ITEMS I.B.1.1, I.C.2, AND I.C.5 PRIOR TO THE RELEASE OF NUREG-0660.)									

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3 (53)	1	INACTIVE	GREEN	NO	FY81 05/05/81		NRR	NONE	00000			
TITLE:			FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (TWO OPERATORS IN CONTROL ROOM)									
NOTE:			(THIS ITEM WAS SUBSUMED BY ITEM I.A.1.3 PRIOR TO THE RELEASE OF NUREG-0660.)									

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3 (54)	1	INACTIVE	GREEN	NO	FY81	05/05/81	NRR	NONE	00000			
TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (SIMULATOR UPGRADE FOR SMALL-BREAK LOCAS)												
NOTE:..... (THIS ITEM WAS SUBSUMED BY ITEM I.A.4.1 PRIOR TO THE RELEASE OF NUREG-0660.)												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3 (55)	1	INACTIVE	GREEN	NO	FY81	05/05/81	NRR	NONE	00000			
TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) PRIOR TO THE RELEASE OF NUREG-0660.) (OPERATOR MONITORING OF CONTROL BOARD)												
NOTE:..... (THIS ITEM WAS SUBSUMED BY ITEMS I.C.1, I.D.2, AND I.D.3 PRIOR TO THE RELEASE OF NUREG-0660.)												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3 (56)	1	INACTIVE	GREEN	NO	FY81	05/05/81	NRR	NONE	00000			
TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) PRIOR TO THE RELEASE OF NUREG-0660.) (SIMULATOR TRAINING REQUIREMENTS)												
NOTE:..... (THIS ITEM WAS SUBSUMED BY ITEMS I.A.2.6 AND I.A.3.1 PRIOR TO THE RELEASE OF NUREG-0660.)												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
II.K.3 (57)	1	REQUIREMENT	YELLOW	NO	10/82	09/01/81	NRR	DAVE VERRELLI	28434	DL	ORAB	
TITLE:..... FINAL RECOMMENDATIONS OF B&O TASK FORCE TO MITIGATE ACCIDENTS (NRR) (IDENTIFY WATER SOURCES PRIOR TO MANUAL ADS)												
PURPOSE:..... REVISE EMERGENCY PROCEDURES TO INCLUDE VERIFICATION THAT LOW PRESSURE COOLING SYSTEM ARE AVAILABLE PRIOR TO MANUAL ADS.												
SCHEDULE:..... (ORIGINAL) INCLUDE IN EMERGENCY GUIDELINES (07/81) (CURRENT) SEE I.C.1.												
ACCOMPLISHMENTS:.. THIS REVISION HAS BEEN INCLUDED IN EMERGENCY PROCEDURE GUIDELINES WHICH ARE UNDER REVIEW.												
CURRENT STATUS:.. REVIEW OF GUIDELINES IS IN PROGRESS. IMPLEMENTATION OF THE SYMPTOMATIC APPROACH WILL BE ACCOMPLISHED ON A SCHEDULE CONSISTENT WITH I.C.1.												
ISSUES:..... THIS ITEM IS APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED TO THE PROJECT ACTION TRACKING SYSTEM (PATS).												

TMI ACTION PLAN TRACKING SYSTEM (APTS)

JANUARY 1982 ISSUE

CHAPTER III ACTION ITEMS (RUN DATE: 01/30/82)

SUMMARY OF ACTION ITEMS:

CHAPTER III:	<u>62</u>	(EMERGENCY PREPAREDNESS AND RADIATION EFFECTS)
NRR LEAD :	<u>31</u>	PRIORITY '1' ITEMS : <u>0</u>
IE LEAD :	<u>18</u>	PRIORITY '1' ITEMS : <u>5</u>
RES LEAD :	<u>9</u>	PRIORITY '1' ITEMS : <u>0</u>
OTHER LEAD :	<u>4</u>	PRIORITY '1' ITEMS : <u>2</u>

(OFFICE BREAKDOWN FOLLOWS NUMBERS - NRR,IE,RES,OTHER)

COMPLETE :	<u>19 (5,8,3,3)</u>	PRIORITY '1' ITEMS	<u>4 (0,2,0,2)</u>
RED ITEMS :	<u>3 (3,0,0,0)</u>	PRIORITY '1' ITEMS	<u>0</u>
YELLOW ITEMS :	<u>5 (0,4,1,0)</u>	PRIORITY '1' ITEMS	<u>1 (0,1,0,0)</u>
GREEN ITEMS :	<u>35 (23,6,5,1)</u>	PRIORITY '1' ITEMS	<u>2 (0,2,0,0)</u>
TOTAL :	<u>62 (31,18,9,4)</u>	TOTAL :	<u>7 (0,5,0,2)</u>
*REQUIREMENT :	<u>5 (4,1,0,0)</u>	PRIORITY '1' ITEMS :	<u>1 (0,1,0,0)</u>
*INACTIVE :	<u>15 (15,0,0,0)</u>	PRIORITY '1' ITEMS	<u>0</u>

* THESE ITEMS ARE NOT MUTUALLY EXCLUSIVE WITH RESPECT TO THE OTHER CATEGORIES.

COMMENTS:

01/30/82 (CHAPTER III - EMERGENCY PREPAREDNESS AND RADIATION EFFECTS)

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.A.1.1(1)	1	COMPLETE		NO	08/80	12/18/81	IE IE SP ADM	FRANK PAGANO JAMES WIGGINTON	29647 28188	DEP		042427 *

TITLE:..... UPGRADE EMERGENCY PREPAREDNESS (NRR)
 PURPOSE:..... REVIEW SHORT-TERM UPGRADING.
 SCHEDULE:..... (ORIGINAL) BY AUGUST 1980. (CURRENT) SAME
 ACCOMPLISHMENTS:..
 CURRENT STATUS:... COMPLETED ON SCHEDULE, JULY 1980. REPORTED TO EDO (MEMO OF 12/28/81).
 ISSUES:.....

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.A.1.1(2)	1	ACTIVE		YELLOW	NO	FY82 12/18/81	IE	FRANK PAGANO	29647	DEP		042427 *

TITLE:..... UPGRADE EMERGENCY PREPAREDNESS (IE)
 PURPOSE:..... REVIEW LONG-TERM UPGRADING.
 (1) TEAM APPRAISAL OF IMPLEMENTATING PROCEDURES, INCLUDING PERSONNEL AND EQUIPMENT.
 (2) SUBSEQUENT PERIODIC REVIEW AND INSPECTION BY IE
 (3) OBSERVING AND CRITIQUING EXERCISES INVOLVING LICENSEE, STATE, AND LOCAL CAPABILITIES.
 (4) OBSERVING AND CRITIQUING EXERCISES INVOLVING LICENSE, STATE, LOCAL, AND FEDERAL CAPABILITIES.
 SCHEDULE:..... (ORIGINAL)
 (1) TEAM REVIEWS BY 09/81,
 (2) SUBSEQUENT PERIOD REVIEWS NOT SCHEDULED,
 (3) OBSERVING EXERCISES NOT SCHEDULED,
 (4) OBSERVING EXERCISES WITHIN 5 YEARS.
 (CURRENT) SEE STATUS
 ACCOMPLISHMENTS:.. DRAFT PROCEDURES FOR TEAM APPRAISALS PREPARED 04/81.
 CURRENT STATUS:... (1) TEAM REVIEWS TO BE COMPLETED BETWEEN 04/81 AND 04/82. IE HAS RECOMMENDED CHANGING THE SCHEDULE TO THIS EFFECT (MEMO OF 11/27/81);
 (2) SUBSEQUENT PERIODIC REVIEWS AND INSPECTIONS TO BE STARTED AFTER COMP. OF TEAM REVIEWS;
 (3) OBSERVING EXERCISES IS ONGOING;
 (4) OBSERVING EXERCISES ARE ONGOING. IE HAS RECOMMENDED CHANGING 5 YEARS TO DECISION GROUP D (MEMO OF 11/27/81).
 ISSUES:..... NONE
 NOTE:..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
III.A.1.2	1	REQUIREMENT	GREEN	NO	10/82	01/21/82	IE RES SP	STEVE RAMOS ORMON BASSETT	29602 74360	DEP	IRDB	041047 *

TITLE:..... UPGRADE LICENSEE EMERGENCY SUPPORT FACILITIES (IE)

PURPOSE:..... (1) ESTABLISH TSC, OSC, AND EOF;
 (2) DIE REVIEW ADEQUACY OF PROPOSED FACILITY DESIGNS;
 (3) IE REVISE SRP SECTION ON EP;
 (4) TEAMS REVIEW INTERACTIONS WITH OTHER FACILITIES;
 (5) IE INSPECT FINAL FACILITIES.

SCHEDULE:..... (ORIGINAL) (1) REQUIREMENTS FOR INTERIM TSC, OSC, AND EOF HAD ALREADY BEEN ISSUED WHEN ACTION PLAN WAS PUBLISHED. INTERIM FACILITIES TO BE ESTABLISHED 1/1/80 AND FINAL FACILITIES TO BE ESTABLISHED 1/1/81; (2) NRR REVIEW OF COMMITMENTS NOT SCHEDULED; (3) NRR REVISION OF SRP BY 12/80; (4) TEAM REVIEW OF INTERACTIONS NOT SCHEDULED; (5) IE INSPECTION OF FINAL FACILITIES COVERED IN III.A.1.1.
 (CURRENT) SEE STATUS.

ACCOMPLISHMENTS:..
 CURRENT STATUS:... (1) REQUIREMENTS HAVE BEEN ISSUED. INTERIM FACILITIES WERE ESTABLISHED 1/80 AND WERE INSPECTED IN 1980. FINAL FACILITIES TO BE ESTABLISHED IN 1982 PER ITEM III.A.1.2 OF NUREG-0737. ONSITE VERIFICATION INSPECTION AND CAPABILITY OF PERFORMING FUNCTIONAL CRITERION EVALUATION WILL BE CONDUCTED AFTER THAT DATE.
 (2) REVIEW OF DESIGN COMPLETED IN 1981.
 (3) REVISION OF SRP COMPLETED IN 1981.
 (4) TEAM REVIEW OF INTERACTIONS TO BE HANDLED AS PART OF TEAM REVIEWS IN ITEM III.A.1.1.
 (5) IE INSPECTION OF INTERIM FACILITIES DONE IN 1980. INSPECTION OF FINAL FACILITIES TO BE CONDUCTED AFTER THEY ARE ESTABLISHED OCTOBER 1, 1982.

ISSUES:.....

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.A.1.3	3	ACTIVE	YELLOW	YES	FY81	12/18/81	IE RES	BRIAN GRIMES ROGER BLOND	27415 28388	DEP		042428 *

TITLE:..... MAINTAIN SUPPLIES OF THYROID BLOCKING AGENT (KI) (IE)

PURPOSE:..... NRC WILL REQUIRE LICENSEES TO HAVE ADEQUATE SUPPLIES OF KI AVAILABLE FOR ONSITE PERSONNEL AND FOR OFFSITE EMERGENCY RESPONSE SUPPORT PERSONNEL, INCLUDING OFFSITE AGENCIES AND INSTITUTIONALIZED PERSONNEL. STUDY TO DETERMINE IF HHS/EPA RECOMMEND NEED FOR SUPPLIES FOR PUBLIC.

SCHEDULE:..... (ORIGINAL) INITIATION - JUNE 1979. NRR ISSUE REQUIREMENTS BY JULY 1980 FOR WORKERS. NRR ISSUE RECOMMENDATIONS FOR PUBLIC AUGUST 1980.
(CURRENT) INITIATION - JUNE 1979. WORKERS CRITERIA WAS ISSUED NOVEMBER 1980.

ACCOMPLISHMENTS:.. COMMISSION PAPER - SECY 80-257 FOR MAY 20, 1980.

CURRENT STATUS:... THE COMMISSION REVIEWED THE KI ISSUE AND REQUESTED THE STAFF TO CONTINUE TO WORK WITH FEMA, FDA, AND EPA, TO ADDRESS THE UNCERTAINTIES IN THE USE OF KI BY THE GENERAL PUBLIC; TO PRESS ON WITH SOURCE TERM TECHNOLOGY STUDIES; AND TO ASSURE WITH FEMA THAT THERE IS APPROPRIATE GUIDANCE FOR THE ADMINISTRATION OF KI BEFORE REQUIRING IMPLEMENTATION FOR CERTAIN INSTITUTIONALIZED MEMBERS OF THE PUBLIC. A LETTER WAS SENT TO FEMA BY THE CHAIRMAN REQUESTING THAT AGENCY TO INSTITUTE A STUDY TO EVALUATE ALTERNATIVE SYSTEMS FOR THE USE OF KI SO THAT AN EFFECTIVE SYSTEM COULD BE PUT INTO PLACE AT THE EARLIEST POSSIBLE TIME. A LETTER WAS ALSO SENT TO FDA BY THE CHAIRMAN REQUESTING THAT FDA EXAMINE WHETHER HIGHER PAYS FOR SENSITIVE POPULATION GROUPS ARE APPROPRIATE OR WHETHER THERE ARE GROUPS FOR WHOM USE OF KI WOULD NEVER BE ADVISABLE.
IE HAS RECOMMENDED CHANGING THE SCOPE IN THE ACTION PLAN TO REFLECT THESE FACTORS AND CHANGING THE SCHEDULED COMPLETION DATE FROM 08/80 TO 12/82 (MEMO OF 11/27/81).

ISSUES:..... TMI ACCIDENT HIGHLIGHTED THE NEED TO STOCKPILE SUPPLIES OF POTASSIUM-IODIDE (KI) A THYROID BLOCKING AGENT FOR USE BY WORKERS AND THE NEED TO DETERMINE IF IT ALSO SHOULD BE DONE FOR THE GENERAL PUBLIC.

COMMISSION ACTION: REVIEW

NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.A.2.1(1)	3	REQUIREMENT	GREEN	YES	04/82	09/01/81	NRR IE	DAVE VERRELLI FRANK PAGANO	28434 29647	DL EPPD	ORAB EPLB	042429 *

TITLE:..... AMEND 10 CFR 50 AND APPENDIX E (TO PART 50) (RES)
PURPOSE:..... NEW RULE AND CRITERIA REQUIRES REVISED EMERGENCY PLANS TO MEET NEW REQUIREMENTS AND EXTENSIVE COORDINATION AND PLANNING EFFORTS OF LICENSEE WITH STATE AND LOCAL OFFICIALS.
SCHEDULE:..... (ORIGINAL) PROPOSED RULE PUBLISHED IN FEDERAL REGISTER DECEMBER 19, 1979. COMMISSION PAPER RECOMMENDING ADOPTION OF EFFECTIVE RULE ON JUNE 3, 1980. APPROVED BY COMMISSION JULY 23, 1980 FOR FINAL PUBLICATION. (CURRENT) RULE EFFECTIVE NOVEMBER 3, 1980. AFTER APRIL 1, 1981, AN OPERATING PLANT MAY BE REQUIRED TO SHUT DOWN IF IT IS DETERMINED THAT THERE ARE DEFICIENCIES SUCH THAT A FAVORABLE NRC FINDING BE MADE OR IS NO LONGER WARRANTED AND THE DEFICIENCIES ARE NOT CORRECTED WITHIN 4 MONTHS OF THAT DETERMINATION.
ACCOMPLISHMENTS:.. NRC CONDUCTED FOUR REGIONAL WORKSHOPS TO PRESENT PROPOSED RULE CHANGES AND SOLICIT COMMENTS. THE STAFF CONSIDERED ALL INFORMATION RECEIVED AT THESE WORKSHOPS AND ALL PUBLIC COMMENT LETTERS IN DEVELOPING THE FINAL RULE CHANGE.
CURRENT STATUS:... THE RULE CHANGES ARE CONSIDERED AN UPGRADE OF NRC EMERGENCY PLANNING REGULATIONS THAT WILL PROVIDE PROMPT CLARIFICATION AND EXPANSION IN AREAS PERCEIVED TO BE DEFICIENT AS A RESULT OF PAST EXPERIENCES. NO OPERATING LICENSE FOR A NUCLEAR POWER PLANT WILL BE ISSUED OR REMAIN EFFECTIVE UNLESS A FINDING IS MADE BY NRC THAT THE STATE OF ONSITE AND OFFSITE EMERGENCY PREPAREDNESS PROVIDES REASONABLE ASSURANCE THAT ADEQUATE PROTECTIVE MEASURES WILL BE TAKEN IN EVENT OF A RADIOLOGICAL EMERGENCY.
ISSUES:..... IN JUNE 1979, THE NRC BEGAN A FORMAL RECONSIDERATION OF THE ROLE OF EMERGENCY PLANNING IN ENSURING THE CONTINUED PROTECTION OF THE PUBLIC HEALTH AND SAFETY IN AREAS AROUND NUCLEAR POWER PLANTS. THIS ITEM HAS BEEN APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION PLAN TRACKING SYSTEM (PATS).
COMMISSION ACTION: REVIEW AND APPROVE AMENDMENT TO 10 CFR 50 APPENDIX E FOR UPGRADED EMERGENCY SUPPORT FACILITIES.

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.A.2.1(2)	3	REQUIREMENT	GREEN	NO	04/82	09/01/81	NRR IE	DAVE VERRELLI FRANK PAGANO	28434 29647	DL EPPD	ORAB EPLB	042429 *

TITLE:..... AMEND 10 CFR 50 AND APPENDIX E (TO PART 50) (RES)
PURPOSE:..... NEW RULE AND CRITERIA REQUIRES REVISED EMERGENCY PLANS TO MEET NEW REQUIREMENTS AND EXTENSIVE COORDINATION AND PLANNING EFFORTS OF LICENSEE WITH STATE AND LOCAL OFFICIALS.
SCHEDULE:.....
ACCOMPLISHMENTS:..
CURRENT STATUS:... STATUS INFORMATION IS INCLUDED IN III.A.2.1(1).
ISSUES:..... THIS ITEM HAS BEEN APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION PLAN TRACKING SYSTEM (PATS).

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.A.2.1(3)	3	REQUIREMENT	GREEN	NO	04/82	09/01/81	NRR	DAVE VERRELLI	28434	DL	ORAB	042429 *
							IE	FRANK PAGANO	29647	EPP0	EPLB	

TITLE:..... AMEND 10 CFR 50 AND APPENDIX E (TO PART 50) (RES)
 PURPOSE:..... NEW RULE AND CRITERIA REQUIRES REVISED EMERGENCY PLANS TO MEET NEW REQUIREMENTS AND EXTENSIVE COORDINATION AND PLANNING EFFORTS OF LICENSEE WITH STATE AND LOCAL OFFICIALS.
 SCHEDULE:.....
 ACCOMPLISHMENTS:..
 CURRENT STATUS:... STATUS INFORMATION IS INCLUDED IN III.A.2.1(1).
 ISSUES:..... THIS ITEM HAS BEEN APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION PLAN TRACKING SYSTEM (PATS).

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.A.2.1(4)	1	COMPLETE		NO	FY82	12/18/81	IE	FRANK PAGANO	29647	DEP		*
							IE	STEVE RAMOS	28119	DEP		

TITLE:..... AMEND 10CFR50 AND APPENDIX E (TO PART 50) (IE)
 PURPOSE:..... IE WILL REVISE ITS INSPECTION PROGRAM TO COVER UPGRADED REQUIREMENTS.
 SCHEDULE:..... (ORIGINAL) NOT SCHEDULED. (CURRENT) SEE STATUS
 ACCOMPLISHMENTS:.. INSPECTION PROGRAM REVISED TO COVER UPGRADED REQUIREMENTS. ROUTINE PROGRAM SUSPENDED AND PROCEDURES ISSUED FOR TEAM REVIEWS TO ASSURE COMPLIANCE (ITEM III.A.1.1).
 CURRENT STATUS:... MET WITH REGIONAL PERSONNEL. DEVELOPED PROGRAM. PREPARED DRAFT INSTRUCTIONS.
 ISSUES:..... COMPLETE. REPORTED TO EDO (MEMO OF 12/28/81).

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.A.2.2	3	COMPLETE		NO	FY81	12/18/81	IE	FRANK PAGANO	27846	DEP		042430 *

TITLE:..... DEVELOPMENT OF GUIDANCE AND CRITERIA (NRR)
 PURPOSE:..... NUMEROUS CRITERIA HAD BEEN ISSUED. THE STAFF WAS TO USE THESE CRITERIA UNTIL FINAL CRITERIA WERE PUBLISHED.
 SCHEDULE:..... NONE
 ACCOMPLISHMENTS:..
 CURRENT STATUS:... COMPLETE. THE STAFF DID USE INTERIM CRITERIA PENDING ISSUANCE OF FINAL CRITERIA. FURTHER, NUREG-0737 LISTED THE REQUIREMENTS FOR LICENSEES, WITH DUE DATES RANGING FROM 1/2/81 TO 6/1/83. THE INITIAL REQUIREMENTS WILL BE REVIEWED WITH TEAM REVIEWS UNDER ITEM III.A.1.1. REPORTED TO EDO (MEMO OF 04/17/81).
 ISSUES:.....

CHAPTER	PR	STATUS	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.A.3.1	1	COMPLETE	YES		FY81	09/08/81		EDO	KEN PERKINS	28297			
								IE	BRIAN GRIMES	24617			
								IE	BERNIE WEISS	29575			
								MPA	GORDON FOWLER	29861			

TITLE:..... EMERGENCY PREPAREDNESS - NRC ROLE IN RESPONDING TO NUCLEAR EMERGENCIES (EDO)
 PURPOSE:..... TO REVISE ORGANIZATIONAL ARRANGEMENTS AND FUNCTIONS FOR NRC EMERGENCY RESPONSE OPERATIONS AND TO REVISE AND UPGRADE AGENCY EMERGENCY PLANS AND PROCEDURES ACCORDINGLY.
 SCHEDULE:..... (ORIGINAL) MITRE REPORT COMPLETION 03/80; REVISIONS TO MANUAL CHAPTER 0502, NUREG-0610, AND OTHER AGENCY PROCEDURES TO BE COMPLETED 04/80; COMMISSION PAPER TO BE COMPLETED BY 05/80. (CURRENT) SEE STATUS
 ACCOMPLISHMENTS:.. "REPORT TO CONGRESS: NRC INCIDENT RESPONSE PLAN" NUREG-0728, (09/80) - RESPONDS TO A SPECIFIC REQUIREMENT IN THE FY-80 AUTHORIZATION ACT.
 CURRENT STATUS:... REVISION OF NRC MANUAL CHAPTER 0502 IS IN PROCESS BY IE. DRAFT SUBMITTED TO MPA UPDATE FOR OTHER AGENCY PROCEDURES IS BEING ADDRESSED BY FEMA IN THE "NATIONAL RADIOLOGICAL EMERGENCY PREPAREDNESS PLAN" DRAFT DATED 09/30/80 AND REVISED DRAFT FOR COMMENT DATED 01/02/81. REVISION TO NUREG-0610 APPEARS AS APPENDIX 1 TO NUREG-0654 COMPLETED IN 11/80. REVISIONS TO IMPLEMENTING PROCEDURES AND INSTRUCTIONS TO REGIONAL OFFICES ARE ADDRESSED IN SECY 80-371. COMPLETED
 ISSUES:.....
 COMMISSION ACTION: REVIEW

CHAPTER	PR	STATUS	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.A.3.2	2	ACTIVE	YELLOW	YES	01/81	12/18/81		IE	BERNIE WEISS	29575	DEP		042431
								IE	JOE HIMES	29575			

TITLE:..... EMERGENCY PREPAREDNESS - IMPROVE OPERATION CENTERS (IE)
 PURPOSE:..... UPGRADE THE NRC OPERATIONS CENTER IN BETHESDA AND REGIONAL CENTERS.
 SCHEDULE:..... (ORIGINAL)
 (1) IMPROVE PHYSICAL SPACE, ARRANGEMENT & EQUIPMENT FOR OPS CENTER 06/80;
 (2) FINAL OPERATIONS CENTER MODIFICATIONS DEPEND ON OTHER FACTORS SUCH AS CONSOLIDATION.
 (3) REGIONAL OPERATIONS CENTER MODIFICATIONS 01/81.
 (CURRENT) SEE STATUS.
 ACCOMPLISHMENTS:.. IMPROVED OPERATIONS CENTER PROCEDURES; TWO DIRECT AND DEDICATED TELEPHONE SYSTEMS; PHYSICAL UPGRADING OF OPERATIONS CENTER; TRAINING OF RESPONSE TEAMS; EXERCISES AND DRILLS; PHYSICAL SPACE AND ARRANGEMENT AND FACILITIES.
 CURRENT STATUS:... IE HAS RECOMMENDED CHANGING THE SCOPE IN THE ACTION PLAN (MEMO OF 11/27/81) TO INDICATE: (1) NEAR-TERM IMPROVEMENTS WERE MADE PRIOR TO 1982; (2) IN THE LONGER TERM HUMAN FACTORS AND COMMUNICATIONS AND OTHER STUDIES WILL BE PERFORMED (DUE 12/82) AND FURTHER UPGRADES WILL BE MADE (DUE 12/84).
 ISSUES:..... FINAL MODIFICATIONS TO THE BETHESDA OPERATIONS CENTER AWAIT A DECISION ON RELOCATION/CONSOLIDATION. FINAL MODIFICATIONS TO ALL CENTERS AWAIT DECISIONS ON OVERALL COMMUNICATIONS SYSTEMS. A COMMISSION PAPER ON THE SYSTEM WILL BE PRESENTED (SEE TASK III.A.3.3)
 COMMISSION ACTION: DECIDE ON RELOCATION/CONSOLIDATION. REVIEW PAPER ON OVERALL COMMUNICATIONS SYSTEM AND DECIDE.
 NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.A.3.3(1)	2	COMPLETE	NO		03/80	12/18/81	IE ADM	BERNIE WEISS VERNON KERR	29575 28000	DEP		042432 *
TITLE:..... EMERGENCY PREPAREDNESS - COMMUNICATIONS (IE)												
PURPOSE:..... INSTALL OPX (DIRECT DEDICATED TELEPHONE LINES) AND HPN (HEALTH PHYSICS AND ENVIRONMENTAL NETWORK) TELEPHONES.												
SCHEDULE:..... (ORIGINAL) BY MARCH 1980 AND BEFORE FUEL LOAD. (CURRENT) SAME												
ACCOMPLISHMENTS:..												
CURRENT STATUS:... COMPLETED 8/80 (FIVE MONTHS LATE). REPORTED TO EDO (MEMO OF 12/28/81). FOR FUTURE OPERATING REACTORS, TELEPHONES ARE ROUTINELY BEING INSTALLED AT TIME OF FUEL LOAD.												
ISSUES:.....												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.A.3.3(2)	2	COMPLETE	NO		FY81	12/18/81	IE ADM NRR	BERNIE WEISS	29575	DEP		*
TITLE:..... EMERGENCY PREPAREDNESS - COMMUNICATIONS (IE)												
PURPOSE:..... OBTAIN FIELD INCIDENT RADIO SYSTEM FOR USE BY NRC PERSONNEL DURING EMERGENCIES.												
SCHEDULE:..... (ORIGINAL) 120 DAYS AFTER REQUISITION IS ISSUED. (CURRENT) SAME												
ACCOMPLISHMENTS:.. SPECIFICATIONS PREPARED. FUNDS APPROVED. ACQUISITION COMPLETED.												
CURRENT STATUS:... COMPLETE. REPORTED TO EDO (MEMO OF 12/28/81).												
ISSUES:.....												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.A.3.3(3)	2	COMPLETE	NO		FY81	12/18/81	IE ADM NRR	BERNIE WEISS	29575	DEP		*
TITLE:..... EMERGENCY PREPAREDNESS - COMMUNICATIONS (IE)												
PURPOSE:..... COORDINATE WITH OTHER AGENCIES TO SUPPLEMENT FIELD RADIOS.												
SCHEDULE:..... (ORIGINAL) CONTINUE (CURRENT) SAME AS ORIGINAL.												
ACCOMPLISHMENTS:..												
CURRENT STATUS:... COMPLETE - CONTINUING. REPORTED TO EDO (MEMO OF 12/28/81).												
ISSUES:.....												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.A.3.3(4)	2	ACTIVE	YELLOW	YES	08/80	12/18/81	IE ADM NRR	BERNIE WEISS	29575	DEP		

TITLE:..... EMERGENCY PREPAREDNESS - COMMUNICATIONS (IE)
PURPOSE:..... STUDY THE NEED FOR A BACKUP COMMUNICATIONS SYSTEM AND PRESENT A COMMISSION PAPER.
SCHEDULE:..... (ORIGINAL) AUGUST 1980.
(CURRENT) (SEE CURRENT STATUS)
ACCOMPLISHMENTS:.. A HF RADIO BACKUP SYSTEM HAS BEEN PURCHASED AND IS IN TRIAL USE IN REGION II.
CURRENT STATUS:... IE HAS RECOMMENDED DELETING THIS ITEM FROM THE ACTION PLAN (MEMO OF 11/27/81).
THE ACTIONS ARE COVERED IN ITEM III.A.3.2.
ISSUES:.....
COMMISSION ACTION:
NOTE:..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.A.3.3(5)	2	COMPLETE		NO	FY81	05/13/81	NRR ADM	EARL MARKEE	28124	DRP	AEB	

TITLE:..... EMERGENCY PREPAREDNESS - COMMUNICATIONS (NRR)
PURPOSE:..... NRR COORDINATE WITH OTHER AGENCIES FOR METEOROLOGICAL AND HYDROLOGICAL INFORMATION
SCHEDULE:..... (ORIGINAL) BY JULY 1980. (CURRENT) SAME
ACCOMPLISHMENTS:..
CURRENT STATUS:... COMPLETE. ARRANGEMENTS HAVE BEEN MADE AND SYSTEMS ARE IN PLACE. IN ADDITION,
IMPROVED SYSTEMS WILL BE OBTAINED IN THE FUTURE.
ISSUES:.....

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.A.3.3(6)	2	COMPLETE		NO	FY81	12/18/81	IE ADM NRR	BERNIE WEISS	29575	DEP		

TITLE:..... EMERGENCY PREPAREDNESS - COMMUNICATIONS (IE)
PURPOSE:..... LIAISON WITH OTHER AGENCIES
SCHEDULE:..... (ORIGINAL) CONTINUE. (CURRENT) SAME AS ORIGINAL.
ACCOMPLISHMENTS:..
CURRENT STATUS:... COMPLETE - CONTINUING. REPORTED TO EDO (MEMO OF 12/28/81).
ISSUES:.....

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
III.A.3.4	3	ACTIVE	GREEN	YES	FY81	12/18/81	IE	BERNIE WEISS	29575	DEP		042148 *
							RES	ORMAN BASSETT	74360	DAE		
							NRR	WARREN MINNERS	27581	DST		

TITLE:..... NUCLEAR DATA LINK (IE)
PURPOSE:..... NUCLEAR DATA LINK IS A SYSTEM THAT WILL REMOTELY ACCESS FACILITY DATA AND DISPLAY THEM IN THE NRC OPERATIONS CENTER, TO BE COORDINATED WITH ITEM III.A.1.2 AND INDUSTRY GROUPS.
SCHEDULE:..... (ORIGINAL)
(1) PHASE 1 STUDY COMPLETED 02/80.
(2) COMMISSION DECISIONS TO DETERMINE FUTURE DIRECTION.
(CURRENT) SAME
ACCOMPLISHMENTS:..
CURRENT STATUS:... (1) PHASE 1 STUDY COMPLETED.
(2) COMMISSION DECISION TO DETERMINE FUTURE DIRECTION.
THIS ITEM IS NOT BEHIND THE SCHEDULE GIVEN IN THE ACTION PLAN. SEVERAL REPORTS AND PAPERS HAVE BEEN ISSUED. LATEST WAS COMMISSION BRIEFING 3/26/81 ON POSSIBLE MANAGEMENT PLANS AND A PROTOTYPE NDL. COMMISSION DIRECTED DEVELOPMENT OF NDL PROTOTYPES AND SYSTEMS INTEGRATOR. CONGRESS HAS APPROPRIATED SOME FUNDS. NDL PROTOTYPE PROGRAM IS BEING INITIATED. DATA SYSTEMS BEING LEASED FOR EVALUATION.
ISSUES:..... POSSIBLE CONGRESSIONAL ACTION/DELAY/CHANGES.
COMMISSION ACTION: CONSIDER FUTURE DIRECTION OF NDL AND MANAGEMENT OF FURTHER STUDY OR IMPLEMENTATION FROM TIME TO TIME.

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
III.A.3.5	-	COMPLETE		NO	FY81	12/18/81	IE	BERNIE WEISS	29575	DEP		*

TITLE:..... EMERGENCY PREPAREDNESS - TRAINING, DRILLS, AND TESTS (IE)
PURPOSE:..... HEADQUARTERS AND REGIONAL DRILLS WILL CONTINUE. THE SCOPE WILL BE SLOWLY INCREASED TO INCLUDE JOINT EXERCISES WITH LICENSEES AND OTHER ENTITIES. A SCHEDULE FOR THE FREQUENCIES OF DRILLS WITH VARIOUS LEVELS OF PARTICIPATION BY THOSE PARTIES WILL BE DEVELOPED. TRAINING THE STAFFS OF NRC AND OTHER AGENCIES WILL CONTINUE.
SCHEDULE:..... (ORIGINAL) DECISION GROUP D. (CURRENT) SEE STATUS.
ACCOMPLISHMENTS:.. FULL SCALE EXERCISE WITH TROJAN HELD IN MARCH 1981. FEMA, EPA, DOE, HHS, STATES ALSO PARTICIPATED.
CURRENT STATUS:... COMPLETE - CONTINUING ACTIVITIES AS INDICATED IN THE ACTION PLAN.
REPORTED TO EDO (MEMO OF 12/28/81).
ISSUES:.....

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.A.3.6	2	ACTIVE	GREEN	YES	FY81	09/08/81	IE EDD	BRIAN GRIMES KEN PERKINS	24614 28297			
TITLE:	EMERGENCY PREPAREDNESS - NRC AND OTHER AGENCIES (IE)											
PURPOSE:	ASSURE COORDINATION WITH FEDERAL AGENCIES IN EMERGENCY PREPAREDNESS AND RESPONSE ACTIVITIES.											
SCHEDULE:	(ORIGINAL) SCHEDULE CONTROLLED BY FEMA (CURRENT) SEE STATUS.											
ACCOMPLISHMENTS:												
CURRENT STATUS:	(A) NRC'S AGENCY RESPONSE PLAN WAS SENT TO COMMISSION IN 09/80. COMMISSION FORWARDED TO CONGRESS IN 10/80. (B) FEMA HAS PREPARED A DRAFT NATIONAL RADIOLOGICAL EMERGENCY PREPAREDNESS PLAN FOR FEDERAL AGENCIES DATED 09/30/80 AND A REVISED DRAFT FOR COMMENT DATED 01/02/81. (C) FEMA PUBLISHED INTERIM REGULATIONS FOR FEDERAL RADIOLOGICAL EMERGENCY RESPONSE PLANNING AND PREPAREDNESS, DATED OCTOBER 22, 1980. COMMENTS ARE DUE DECEMBER 22, 1980. FINAL PLAN PUBLISHED 12/23/80. AGENCY IMPLEMENTATION PLANS DUE TO FEMA 04/23/81. PLANS SUBMITTED ON SCHEDULE.											
ISSUES:												
COMMISSION ACTION:	REVIEW											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.B.1	1	COMPLETE					EDD	KEN PERKINS	28297			
TITLE:	TRANSFER OF EMERGENCY PREPAREDNESS RESPONSIBILITIES TO FEMA (EDD)											
PURPOSE:	ASSURE EFFECTIVE TRANSFER OF LEAD RESPONSIBILITY FOR RADIOLOGICAL EMERGENCY PREPAREDNESS OF STATES AND LOCAL GOVERNMENTS TO FEMA IN ACCORDANCE WITH THE PRESIDENT'S STATEMENT OF DECEMBER 7, 1979.											
SCHEDULE:	(ORIGINAL) NONE (CURRENT) SEE STATUS											
ACCOMPLISHMENTS:	MEMORANDUM OF UNDERSTANDING BETWEEN NRC AND FEMA FOR INCIDENT RESPONSE SIGNED OCTOBER 22, 1980. MEMORANDUM OF UNDERSTANDING BETWEEN NRC AND FEMA FOR PLANS AND PREPAREDNESS SIGNED NOVEMBER 4, 1980.											
CURRENT STATUS:	NRC IDENTIFIED THE FUNCTIONS AND RESOURCES ASSOCIATED WITH LEAD RESPONSIBILITY FOR STATE AND LOCAL GOVERNMENTS' EMERGENCY PREPAREDNESS. NRC PREPARED AND SUBMITTED TO OMB A DRAFT DETERMINATION ORDER THAT WOULD TRANSFER TO FEMA THE RESOURCES ASSOCIATED WITH THESE FUNCTIONS. OMB HAS APPROVED THE DETERMINATION ORDER - 01/81.											
ISSUES:												

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
III.B.2	1	ACTIVE	GREEN	NO	04/82	09/01/81	IE EDO	BRIAN GRIMES KEN PERKINS	24614 28297	EPPD		042433 *
TITLE:.....	IMPLEMENTATION OF NRC'S AND FEMA'S RESPONSIBILITIES (IE)											
PURPOSE:.....	FEMA AND NRC ARE WORKING JOINTLY TO AVOID DUPLICATION IN THEIR RESPONSIBILITIES TO REVIEW STATE AND LOCAL RADIOLOGICAL EMERGENCY PLANS.											
SCHEDULE:.....	(ORIGINAL) 31 STATES ARE AFFECTED BY OPERATING NUCLEAR POWER PLANTS AND AN ADDITIONAL 9 STATES ARE AFFECTED BY NUCLEAR POWER PLANTS SCHEDULED FOR OPERATION. LICENSEE AND STATE PLANS ARE TO BE SUBMITTED IN JANUARY, 1981. PROCEDURES FOR PLAN IMPLEMENTATION ARE TO BE IN PLACE MARCH, 1981. EFFECTIVE DATE OF RULE IS APRIL 1, 1981, AFTER WHICH EMERGENCY PREPAREDNESS IS REVIEWED AGAINST NUREG-0654 FOR ADEQUACY. (CURRENT) PLAN IS TO COMPLETE FEMA AND NRC REVIEW OF OPERATING REACTOR ONSITE AND OFFSITE PLANS BY 04/01/82.											
ACCOMPLISHMENTS:..	FEDERAL REVIEW OF EMERGENCY PLANS OF STATES AFFECTED BY OPERATING NUCLEAR POWER PLANTS SUGGESTS THERE HAS BEEN A SIGNIFICANT INTERIM UPGRADE OF RADIOLOGICAL EMERGENCY PLANS AND PREPAREDNESS SINCE THE PUBLICATION OF NUREG-0654 IN JANUARY 1980. THE EFFECTIVE RULE WILL CAUSE FURTHER IMPROVEMENT.											
CURRENT STATUS:...	FEMA AND NRC WILL COORDINATE THEIR EFFORTS IN THE REVIEW OF STATE AND LOCAL EMERGENCY PLANS; EVALUATION OF EXERCISES TO TEST PLANS; PREPARATION OF EMERGENCY PREPAREDNESS GUIDANCE; TRAINING OF STATE AND LOCAL OFFICIALS; AND DEVELOPING OF A PUBLIC INFORMATION PROGRAM CONCERNING EMERGENCY PREPAREDNESS.											
ISSUES:.....	FEMA'S ABILITY TO PROVIDE FINDINGS FOR NTOL PLANTS IN A TIMELY MANNER TO AVOID LICENSING DELAYS. FEMA'S ABILITY TO COMPLETE REVIEWS OF OR PLANTS BY 04/01/82.											

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
III.C.1	3	ACTIVE	GREEN	NO	ONGOING	01/30/82	OPA	FRANK INGRAM	27715			*
TITLE:.....	PUBLIC INFORMATION - PROVIDE TO NEWS MEDIA AND PUBLIC (OPA)											
PURPOSE:.....	HAVE INFORMATION AVAILABLE FOR NEWS MEDIA AND PUBLIC ON HOW NUCLEAR PLANTS OPERATE, RADIATION AND ITS HEALTH EFFECTS AND PROTECTIVE ACTIONS AGAINST RADIATION EXPOSURE.											
SCHEDULE:.....	(ORIGINAL) REVIEW PUBLICLY AVAILABLE DOCUMENTS 05/80; RECOMMEND DOE PUBLISH ADDITIONAL INFORMATION 05/80; PILOT PROGRAM - SEMINARS FOR NEWS MEDIA 05/80. (CURRENT) REVIEW PUBLICLY AVAILABLE DOCUMENTS 06/80 (COMPLETE); RECOMMEND DOE PUBLISH ADDITIONAL INFORMATION (OPEN); PILOT PROGRAM - SEMINARS FOR NEWS MEDIA INITIATED 03/81.											
ACCOMPLISHMENTS:..	REVIEW OF PUBLICLY AVAILABLE DOCUMENTS COMPLETE 06/80. FIRST NEWS MEDIA SEMINAR CONDUCTED 03/81, SECOND SEMINAR - 5/81. THIRD SEMINAR - 08/81. FOURTH SEMINAR CONDUCTED - 11/81. FIFTH SEMINAR CONDUCTED - 12/81. NRC GLOSSARY OF TERMS PUBLISHED 07/81. FEMA BOOKLET ON REACTORS AND RADIATION IN FINAL DRAFT - 07/81.											
CURRENT STATUS:...	FEMA BOOKLET NOW IN FINAL DRAFT SUPERCEDES REQUIREMENT FOR DOE LITERATURE. NEED FOR ADDITIONAL NEWS MEDIA SEMINARS BEING ASSESSED.											
ISSUES:.....	NONE											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.C.2	3	COMPLETE	NO	ONGOING	08/05/81		OPA	FRANK INGRAM	27715			
TITLE:	PUBLIC INFORMATION - PROVIDE TRAINING (OPA)											
PURPOSE:	DEVELOP POLICY AND PROVIDE TRAINING FOR INTERFACE WITH NEWS MEDIA AND OTHER INTERESTED PARTIES.											
SCHEDULE:	(ORIGINAL) PLANS FOR BRIEFINGS AND NOTIFICATIONS DURING EMERGENCIES 05/80; TRAINING FOR TECHNICAL STAFF AND DESIGNATION OF RESPONSE TEAMS 05/80. (CURRENT) SEE STATUS.											
ACCOMPLISHMENTS:	REQUIREMENT FOR EMERGENCY NEWS CENTER IN NEW EMERGENCY PLAN REGULATIONS EFFECTIVE EARLY NOVEMBER. VISUAL MATERIALS FOR USE BY DESIGNATED RESPONSE TEAMS COMPLETE 07/80.											
CURRENT STATUS:	ALL EFFORTS IN THIS AREA WILL BE ONGOING.											
ISSUES:	NONE											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.1.1(1)	2	COMPLETE	NO	FY81	08/18/81		NRR	DICK BANGART	27633	DSI	ETSB	
TITLE:	PRIMARY COOLANT SOURCES OUTSIDE THE CONTAINMENT STRUCTURE (NRR)											
PURPOSE:	NRR WILL COMPLETE THE REVIEW OF INFORMATION SUBMITTED BY OPERATING PLANT LICENSEES TO SATISFY LESSONS LEARNED SHORT-TERM RECOMMENDATION 2.1.6.A PERTAINING TO REDUCING LEAKAGE FROM OPERATING SYSTEMS AND THE RESULTANT EFFLUENT RELEASES.											
SCHEDULE:	(ORIGINAL) REQUIREMENTS ISSUED 09/79; REQUIREMENTS CLARIFIED 10/79. (CURRENT) LEAK RATE TESTING RESULTS OR TESTING COMMITMENTS TO SATISFY REQUIREMENTS COMPLETED - 01/80.											
ACCOMPLISHMENTS:	NRR ISSUED SERS ON ORS - SPRING 1980.											
CURRENT STATUS:	LEAK RATE TESTING RESULTS OR TESTING COMMITMENTS TO SATISFY LESSONS LEARNED SHORT-TERM RECOMMENDATION 2.1.6.A COMPLETED 01/01/80.											
ISSUES:	N/A											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.1.1(2)	2	ACTIVE	RED	NO	FY82	01/19/82	NRR	DICK BANGART	27633	DSI	ETSB	
TITLE:	PRIMARY COOLANT SOURCES OUTSIDE THE CONTAINMENT STRUCTURE (NRR)											
PURPOSE:	CONTRACTOR WILL REVIEW INFORMATION ON DESIGN FEATURES TO PREVENT, MINIMIZE AND DETECT LEAKAGE FOR SYSTEMS THAT MAY CONTAIN HIGHLY RADIOACTIVE FLUIDS AFTER AN ACCIDENT. BASED UPON THE RESULTS OF THAT REVIEW, NRR WILL DEVELOP PROPOSED SYSTEM ACCEPTANCE CRITERIA FOR DESIGN FEATURES TO MINIMIZE OR DETECT LEAKAGE.											
SCHEDULE:	(ORIGINAL) SPRING 1980 - ISSUE CONTRACT. LATE 1980 - COMPLETE EVALUATION. EARLY 1981 - DEVELOP PROPOSED SYSTEM ACCEPTANCE CRITERIA. (CURRENT) 05/81C - CONTRACT ISSUED TO PNL. 07/82 - COMPLETE EVALUATION. 01/83 - DEVELOP PROPOSED SYSTEM ACCEPTANCE CRITERIA.											
ACCOMPLISHMENTS:	CONTRACT AWARDED TO PNL. EVALUATION UNDERWAY.											
CURRENT STATUS:	CONTRACTOR REPORT ORIGINALLY DUE 07/82 MAY BE DELAYED UNTIL 08/82 DUE TO REASSIGNMENT OF PERSONNEL BY CONTRACTOR. HOWEVER, THIS SHOULD NOT DELAY THE DEVELOPMENT OF PROPOSED SYSTEM ACCEPTANCE CRITERIA.											
ISSUES:	BECAUSE OF A LACK OF RESOURCES FOR THIS ITEM, CONTRACT WAS NOT INITIATED UNTIL 05/81. A REBASELINING SCHEDULE WAS REQUESTED FOR THIS ITEM. SEE MEMORANDUM FROM H. DENTON TO TO W. DIRCKS DATED 01/05/82. THIS ITEM HAS BEEN INCLUDED IN NRR'S FY82 OPERATING PLAN.											
COMMISSION ACTION:	NONE.											
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO. FLAG WILL CHANGE TO GREEN IF APPROVED.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.1.1(3)	2	ACTIVE	RED	NO	FY82	01/19/82	NRR	DICK BANGART	27633	DSI	ETSB		
TITLE:.....		PRIMARY COOLANT SOURCES OUTSIDE THE CONTAINMENT STRUCTURE (NRR)											
PURPOSE:.....		CONTRACTOR WILL REVIEW INFORMATION ON DESIGN FEATURES TO PREVENT, MINIMIZE AND DETECT LEAKAGE FOR SYSTEMS THAT MAY CONTAIN HIGHLY RADIOACTIVE FLUIDS AFTER AN ACCIDENT. BASED UPON THE RESULTS OF THAT REVIEW, NRR WILL DEVELOP PROPOSED SYSTEM ACCEPTANCE CRITERIA FOR DESIGN FEATURES TO MINIMIZE OR DETECT LEAKAGE.											
SCHEDULE:.....		(ORIGINAL) SPRING 1980 - ISSUE CONTRACT. LATE 1980 - COMPLETE EVALUATION. EARLY 1981 - DEVELOP PROPOSED SYSTEM ACCEPTANCE CRITERIA. (CURRENT) 05/81C - CONTRACT ISSUED TO PNL. 07/82 - COMPLETE EVALUATION. 01/83 - DEVELOP PROPOSED SYSTEM ACCEPTANCE CRITERIA.											
ACCOMPLISHMENTS:..		CONTRACT AWARDED TO PNL. EVALUATION UNDERWAY.											
CURRENT STATUS:...		CONTRACTOR REPORT ORIGINALLY DUE 07/82 MAY BE DELAYED UNTIL 08/82 DUE TO REASSIGNMENT OF PERSONNEL BY CONTRACTOR. HOWEVER, THIS SHOULD NOT DELAY THE DEVELOPMENT OF PROPOSED SYSTEM ACCEPTANCE CRITERIA.											
ISSUES:.....		BECAUSE OF A LACK OF RESOURCES FOR THIS ITEM, CONTRACT WAS NOT INITIATED UNTIL 05/81. A REBASELINING SCHEDULE WAS REQUESTED FOR THIS ITEM. SEE MEMORANDUM FROM H. DENTON TO TO W. DIRCKS DATED 01/05/82. THIS ITEM HAS BEEN INCLUDED IN NRR'S FY82 OPERATING PLAN.											
COMMISSION ACTION:		NONE.											
NOTE.....		SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO. FLAG WILL CHANGE TO GREEN IF APPROVED.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.1.2	3	INACTIVE	GREEN	NO	FY83	01/19/82	NRR	DICK BANGART	27633	DSI	ETSB	*
TITLE:..... RADIOACTIVE GAS MANAGEMENT (NRR)												
PURPOSE:..... A STUDY WILL BE SPONSORED BY RES TO DETERMINE THE APPLICABILITY AND DESIRABILITY OF THE USE OF AVAILABLE TECHNOLOGY TO MINIMIZE THE RELEASE OF RADIOACTIVE NOBLE GASES DURING AND FOLLOWING AN ACCIDENT. ALTERNATIVES FOR STORAGE OR DISPOSAL OF THE RECOVERED GASES WILL ALSO BE STUDIED.												
SCHEDULE:..... (ORIGINAL) ISSUE RESEARCH CONTRACT - FY 82. (CURRENT) BEGIN FY 1983.												
ACCOMPLISHMENTS:.. NONE												
CURRENT STATUS:.. NONE												
ISSUES:..... (1) THIS ACTION PLAN ITEM MAY BE REVISED AS A RESULT OF EFFORTS UNDERWAY AT THE REQUEST OF THE COMMISSION TO EVALUATE DEVELOPMENT OF A MOBILE SELECTIVE ABSORPTION SYSTEM TO RECOVER NOBLE GASES FROM CONTAINMENT FOLLOWING AN ACCIDENT. A MEMORANDUM TO THE COMMISSION REGARDING THE DEVELOPMENT OF A SELECTIVE ABSORPTION SYSTEM EMERGENCY UNIT WAS TRANSMITTED ON 07/21/81. NO ACTION HAS BEEN TAKEN BY THE COMMISSION TO DATE. (2) THIS ITEM HAS NOT BEEN INCLUDED IN NRR'S FY82 OPERATING PLAN.												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.1.3(1)	2	INACTIVE	GREEN	NO	FY83	01/19/82	NRR	DICK BANGART	27633	DSI	ETSB	*
TITLE:..... VENTILATION SYSTEM AND RADIOIODINE ADSORBER CRITERIA (NRR)												
PURPOSE:..... EVALUATE RESULTS OF ITEMS III.D.2.2(1) AND (3) TO DETERMINE NEED FOR LICENSEE ACTION TO CONTROL AIRBORNE EFFLUENTS FROM AUX AND RADWASTE BUILDINGS AFTER AN ACCIDENT.												
SCHEDULE:..... (ORIGINAL) INITIATE FY82 OR LATER. (CURRENT) EVALUATE NEED FOR LICENSEE REVIEW OF AIRBORNE RAD. MAT'L. CONTROL IN FY83. IF NECESSARY, REQUIRE LICENSEE TO UPGRADE FILTRATION SYSTEMS.												
ACCOMPLISHMENTS:.. NOT STARTED.												
CURRENT STATUS:.. INACTIVE.												
ISSUES:..... THIS ITEM IS NOT INCLUDED IN NRR'S FY82 OPERATING PLAN.												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.1.3(2)	2	INACTIVE	GREEN	NO	FY83	01/19/82	HRR	DICK BANGART	27633	DSI	ETSB		*
TITLE:	VENTILATION SYSTEM AND RADIOIODINE ADSORBER CRITERIA (NRR)												
PURPOSE:	REVISE APPROPRIATE STANDARD REVIEW PLANS (9.4.1 THROUGH 9.4.5, 11.3, 12.2) AND REG. GUIDES 1.52 AND 1.140.												
SCHEDULE:	(ORIGINAL) INITIATE WORK IN FY82 OR LATER. (CURRENT) SRP SECTIONS COMPLETE. START RG REVISIONS IN FY83.												
ACCOMPLISHMENTS:	THE ABOVE SRP SECTIONS HAVE BEEN REVISED; HOWEVER, THE REVISIONS TO RG 1.52 AND 1.140 WILL NOT BE DONE UNTIL FY83.												
CURRENT STATUS:	ACTION SUSPENDED.												
ISSUES:	THIS ITEM HAS NOT BEEN INCLUDED IN NRR'S OPERATING PLAN.												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.1.3(3)	2	INACTIVE	GREEN	NO	FY83	01/19/82	HRR	DICK BANGART	27633	DSI	ETSB		*
TITLE:	VENTILATION SYSTEM AND RADIOIODINE ADSORBER CRITERIA (NRR)												
PURPOSE:	IMPLEMENT SURVEILLANCE TESTING OF NON-ESF FILTRATION SYSTEMS AND DEVELOP ADDITIONAL CRITERIA FOR RADIOIODINE ADSORBER HOLDING CAPACITY.												
SCHEDULE:	(ORIGINAL) INITIATE FY82 OR LATER. (CURRENT) DEVELOP CRITERIA FOR HOLDING CAPACITY; AMEND TECH SPECS TO REQUIRE SURVEILLANCE REQUIREMENTS. BEGIN FY83.												
ACCOMPLISHMENTS:	NO ACTIVITY UNTIL FY83												
CURRENT STATUS:	INACTIVE.												
ISSUES:	THIS ITEM HAS NOT BEEN INCLUDED IN NRR'S FY82 OPERATING PLAN.												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.1.3(4)	2	ACTIVE	GREEN	NO	FY82	01/19/82	NRR	DICK BANGART	27633	DSI	ETSB		*
TITLE:	VENTILATION SYSTEM AND RADIOIODINE ADSORBER CRITERIA (NRR)												
PURPOSE:	CONDUCT RESEARCH TO EVALUATE RADIOIODINE COLLECTION MEDIA PERFORMANCE UNDER ACCIDENT CONDITIONS.												
SCHEDULE:	(ORIGINAL) INITIATE NRC WORK FY 82 OR LATER. (CURRENT) 10/80C - RESEARCH INITIATED AT NAVAL RESEARCH LAB (NRL) ON PERFORMANCE OF ACTIVATED CHARCOAL UNDER ACCIDENT CONDITIONS UNDER RES SPONSORSHIP. 02/82 - DRAFT REPORT DUE. 05/82 - FINAL REPORT DUE.												
ACCOMPLISHMENTS:	RES-SPONSORED RESEARCH INITIATED AT NRL ON 10/80. CHARCOAL SAMPLES ARE BEING IRRADIATED AT LAHRC AND CO-60 FACILITIES TO SIMULATE ACCIDENT CONDITIONS.												
CURRENT STATUS:	EXPECT DRAFT REPORT 02/82.												
ISSUES:	NONE.												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.1.4	3	INACTIVE	GREEN	NO	FY83	01/19/82	NRR	RICHARD BANGART	27633	DSI	ETSB	*
TITLE:..... RADWASTE SYSTEM DESIGN FEATURES TO AID IN ACCIDENT (NRR)												
PURPOSE:..... CONTRACTOR WILL EVALUATE RADWASTE SYSTEM DESIGN FEATURES THAT WILL PROVIDE THE CAPABILITY TO PROCESS ACCIDENT-RELATED LIQUIDS AND GASES AND TO CONDUCT DECONTAMINATION EFFECTIVELY.												
SCHEDULE:..... (ORIGINAL) INITIATE NRC WORK FY82 OR LATER. (CURRENT) ISSUE A CONTRACT TO INITIATE THE STUDY IN FY83.												
ACCOMPLISHMENTS:.. NONE												
CURRENT STATUS:.. INACTIVE.												
ISSUES:..... THIS ITEM HAS NOT BEEN INCLUDED IN NRR'S FY82 OPERATING PLAN. NRR WILL PREPARE A MEMORANDUM TO RES REQUESTING THEIR FUNDING OF THIS STUDY.												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.2.1(1)	2	INACTIVE	GREEN	NO	FY83	01/19/82	NRR	PHIL STODDART	27682	DSI	ETSB	*
TITLE:..... RADIOLOGICAL MONITORING OF EFFLUENTS (NRR)												
PURPOSE:..... EVALUATE THE FEASIBILITY AND PERFORM A VALUE-IMPACT ANALYSIS OF MODIFYING EFFLUENT-MONITORING DESIGN CRITERIA TO REQUIRE STATE-OF-THE-ART EFFLUENT MONITORING SYSTEMS AND OTHER FEATURES BASED ON TMI-2.												
SCHEDULE:..... (ORIGINAL) INITIATE NRC WORK FY82 OR LATER. (CURRENT) ISSUE A CONTRACT TO INITIATE THE SUBJECT STUDY IN FY83.												
ACCOMPLISHMENTS:.. NONE												
CURRENT STATUS:.. INACTIVE.												
ISSUES:..... THIS ITEM IS NOT INCLUDED IN NRR'S FY82 OPERATING PLAN. NRR BELIEVES IT WOULD BE MORE APPROPRIATE TO HAVE THIS STUDY FUNDED AND MANAGED BY RES. NRR WILL PREPARE A MEMORANDUM REQUESTING THIS ACTION BY RES.												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.2.1(2)	2	INACTIVE	GREEN	NO	FY83	01/19/82	NRR	PHIL STODDART	27682	DSI	ETSB	*
TITLE:..... RADIOLOGICAL MONITORING OF EFFLUENTS (NRR)												
PURPOSE:..... FEASIBILITY STUDY OF REQUIRING DEVELOPMENT OF PWR ATMOSPHERIC STEAM DUMP MONITORING OF BOTH NOBLE GAS AND RADIOIODINE AFTER AN ACCIDENT												
SCHEDULE:..... (ORIGINAL) INITIATE NRC WORK FY82 OR LATER. (CURRENT) AWARD CONTRACT FOR FEASIBILITY STUDY FY83.												
ACCOMPLISHMENTS:.. NONE												
CURRENT STATUS:.. INACTIVE.												
ISSUES:..... THIS ITEM IS NOT INCLUDED IN NRR'S FY82 OPERATING PLAN. NRR BELIEVES IT WOULD BE MORE APPROPRIATE TO HAVE THIS STUDY FUNDED AND MANAGED BY RES. NRR WILL PREPARE A MEMORANDUM REQUESTING THIS ACTION BY RES.												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.2.1(3)	2	INACTIVE	GREEN	NO	FY83	01/19/82	NRR	PHIL STODDART	27682	DSI	ETSB	*
TITLE:	RADIOLOGICAL MONITORING OF EFFLUENTS (NRR)											
PURPOSE:	USE RESULTS OF III.D.2.1(1) AND (2) TO REVISE REG. GUIDES 1.21 AND 1.97, AS NECESSARY.											
SCHEDULE:	(ORIGINAL) INITIATE NRC WORK FY82 OR LATER. (CURRENT) EVALUATE III.D.2.1 (1) AND (2) RESULTS FOR NEED TO REVISE R.G. 1.21 AND 1.97 AND ESTABLISH REQUIRED DESIGN FEATURES IF NEEDED IN FY83.											
ACCOMPLISHMENTS:	NONE											
CURRENT STATUS:	SUSPENDED.											
ISSUES:	THIS ITEM HAS NOT BEEN INCLUDED IN NRR'S FY82 OPERATING PLAN. NRR WILL PREPARE A MEMORANDUM TO RES ASKING THAT ITEMS III.D.2.1 (1) AND (2) BE SPONSORED BY RES. BASED UPON THE RESULTS OF THAT RESEARCH, NRR (DSI/ETSB) WILL EVALUATE THE NEED FOR REVISIONS TO R.G. 1.21 AND 1.97.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.2.2(1)	3	COMPLETE		NO	FY83	01/21/82	NRR	WALTER PASEDAG NRR FRANK CONGEL	24993 27321	DSI	AEB RAB	*
TITLE:	SUBPART (1) OF RADIOIODINE, CARBON-14, AND TRITIUM PATHWAY DOSE ANALYSIS (NRR)											
PURPOSE:	IMPROVE UNDERSTANDING OF RADIOACTIVE IODINE PARTITIONING IN THE PRIMARY COOLANT AND CONTAINMENT STRUCTURE. RADIOIODINE, CARBON 14, AND TRITIUM BEHAVIOR IN THE ENVIRONMENT FOLLOWING AN ACCIDENT AND DURING NORMAL OPERATION WILL BE DEVELOPED. BASED ON THESE STUDIES, REVISE SRP SECTION AND RGs AS NECESSARY.											
SCHEDULE:	(ORIGINAL) INITIATE THE FOLLOWING WORK IN FY82 OR LATER: (1) PERFORM A STUDY OF RADIOIODINE, CARBON-14 AND TRITIUM BEHAVIOR IN TMI-2 REACTOR COOLANT, CONTAINMENT WATER, AND WATER ATMOSPHERE IN THE AUXILIARY BUILDING USING, TO THE EXTENT POSSIBLE, RESULTS FROM ITEM II.H.3, "EVALUATE AND FEED BACK INFORMATION OBTAINED FROM TMI CLEANUP AND EXAMINATION." (2) IF THE RESULTS OF (1) ABOVE INDICATE THAT ADDITIONAL INFORMATION IS NEEDED, INITIATE RESEARCH. (3) BASED ON (1) AND/OR (2) ABOVE, REVISE R.G. 1.3, "ASSUMPTIONS USED FOR EVALUATING THE POTENTIAL RADIOLOGICAL CONSEQUENCES OF A LOSS OF COOLANT ACCIDENT FOR BOILING WATER REACTORS," R.G. 1.4, "ASSUMPTIONS USED FOR EVALUATING THE POTENTIAL RADIOLOGICAL CONSEQUENCES OF A LOSS OF COOLANT ACCIDENT FOR PRESSURIZED WATER REACTORS," AND THE MODELS (GALE CODE) USED TO PREDICT RADIOIODINE RELEASES DURING NORMAL OPERATION. ANY REVISIONS WILL BE MADE AS PART OF III.D.2.2 (4). (CURRENT) COMPLETE.											
ACCOMPLISHMENTS:	STAFF STUDY OF (1) IS COMPLETED. CURRENT STATE OF KNOWLEDGE OF RADIOIODINE BEHAVIOR IS PUBLISHED IN NUREG-0771, "REGULATORY IMPACT OF NUCLEAR REACTOR SOURCE TERM ASSUMPTIONS" AND NUREG-0772, "TECHNICAL BASES FOR ESTIMATING FISSION PRODUCT BEHAVIOR DURING LWR ACCIDENTS" (BOTH PUBLISHED 06/81). CARBON-14 AND TRITIUM AT TMI-2 HAVE BEEN DETERMINED TO BE INSIGNIFICANT.											
CURRENT STATUS:	FURTHER WORK ON RADIOIODINE BEHAVIOR IS BEING PURSUED BY RES WITHIN THE CONTEXT OF THE ACCIDENT SOURCE TERM ISSUE.											
ISSUES:	NONE											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.2.2(2)	3	INACTIVE	GREEN	NO	FY83	01/21/82	NRR	FRANK CONGEL	27321	DSI	RAB	*
TITLE:	SUBPART (2) OF RADIOIODINE, CARBON-14, AND TRITIUM PATHWAY DOSE ANALYSIS (NRR)											
PURPOSE:	IMPROVE THE UNDERSTANDING OF RADIOACTIVE IODINE PARTITIONING IN THE PRIMARY COOLANT AND IN THE CONTAINMENT STRUCTURE. RADIOIODINE, CARBON-14, AND TRITIUM BEHAVIOR IN THE ENVIRONMENT FOLLOWING AN ACCIDENT AND DURING NORMAL OPERATION WILL BE DEVELOPED. BASED UPON THESE STUDIES, REVISE SRP SECTION AND RGs AS NECESSARY.											
SCHEDULE:	(ORIGINAL) INITIATE THE FOLLOWING WORK IN FY82 OR LATER:											
	(1) EVALUATE THE DATA COLLECTED DURING THE CONTROLLED-FIELD EXERCISES IN 1974 AND 1977 AT QUAD CITIES AND COMPARE THE FIELD MEASUREMENTS OF RADIONUCLIDE CONCENTRATIONS WITH THE RESULTS CALCULATED USING MODELS DESCRIBED IN RG 1.109, "CALCULATION OF ANNUAL DOSES TO MAN FROM ROUTINE RELEASES OF REACTOR EFFLUENTS FOR THE PURPOSE OF EVALUATING COMPLIANCE WITH 10 CFR 50, APP. I, " AND RG 1.111, "METHODS FOR ESTIMATING ATMOSPHERIC TRANSPORT AND DISPERSION FOR GASEOUS EFFLUENTS IN ROUTINE RELEASES FROM LIGHT-WATER REACTORS."											
	(2) BASED UPON THE RESULTS OF (1) ABOVE, REVISE OR MODIFY THE CALCULATIONAL METHODS TO ENSURE ACCURATE PREDICTION OF OFFSITE PUBLIC DOSES DURING THE COURSE OF AN ACCIDENT, AS WELL AS FOR ROUTINE RELEASES. ANY REVISIONS WILL BE MADE AS PART OF III D.2.2 (4). (CURRENT) INITIATE WORK IN FY83.											
ACCOMPLISHMENTS:	NUREG/CR-1600, "EVALUATION OF THE AIR-VEGETATION-MILK PATHWAY FOR I-131 AT THE QUAD CITIES NUCLEAR POWER STATION" WAS PUBLISHED 11/81.											
CURRENT STATUS:	INACTIVE.											
ISSUES:	THIS ITEM IS NOT IN NRR'S OPERATING PLAN FOR FY82.											
COMMISSION ACTION:	NONE.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.2.2(3)	3	ACTIVE	GREEN	NO	FY83	01/21/82	NRR	FRANK CONGEL	27321	DSI	RAB	*
TITLE:	SUBPART (3) TO RADIOIODINE, CARBON-14, AND TRITIUM PATHWAY DOSE ANALYSIS (NRR)											
PURPOSE:	IMPROVE THE UNDERSTANDING OF RADIOACTIVE IODINE PARTITIONING IN THE PRIMARY COOLANT AND IN THE CONTAINMENT STRUCTURE. RADIOIODINE, CARBON-14, AND TRITIUM BEHAVIOR IN THE ENVIRONMENT FOLLOWING AN ACCIDENT AND DURING NORMAL OPERATION WILL BE DEVELOPED. BASED UPON THESE STUDIES, REVISE SRP SECTIONS AND RGs AS NECESSARY.											
SCHEDULE:	(ORIGINAL) INITIATE THE FOLLOWING WORK IN FY82 OR LATER: (1) DETERMINE THE DISTRIBUTION OF THE CHEMICAL SPECIES OF RADIOIODINE IN AIR-WATER-STEAM MIXTURES. (2) STUDY THE PHYSICAL AND BIOLOGICAL TRANSPORT OF CHEMICAL FORMS OF RADIOIODINE, CARBON-14, AND TRITIUM IN THE ENVIRONMENT. (3) STUDY THE ATMOSPHERIC BEHAVIOR OF RADIONUCLIDES UNDER DRY AND WET CONDITIONS AND THE EFFECT OF IODINE-AIR-GRASS-MILK MODELS. (4) CONDUCT A SPECIAL STUDY TO DETERMINE THE RADIONUCLIDE ENVIRONMENTAL PHYSICAL MECHANISM FOR PATHWAY BEHAVIOR UNDER ACCIDENT CONDITIONS. (5) BASED ON THE RESULTS OF (1) THROUGH (4) ABOVE, IMPROVE CALCULATIONAL METHODOLOGY. ANY REVISIONS TO SRP SECTIONS OR RGs WILL BE DONE AS A PART OF III.D.2.2 (4).											
ACCOMPLISHMENTS:	(CURRENT) SEE ACCOMPLISHMENTS LISTED BELOW. INITIATE UNCOMPLETED WORK IN FY83 OR LATER. (1) NUREG-0772, "TECHNICAL BASES FOR ESTIMATING FISSION PRODUCT BEHAVIOR DURING LWR ACCIDENTS" (06/81) DETAILS THE CURRENT STATE OF KNOWLEDGE OF RADIOIODINE BEHAVIOR. (2) RADIOIODINE TRANSPORT HAS BEEN ADDRESSED IN PNL TECHNICAL ASSISTANCE CONTRACT (FIN-B2175). FINAL REPORT DUE SPRING 1982.											
CURRENT STATUS:	ITEM (1) UNDER ORIGINAL SCHEDULE IS BEING PURSUED BY RES WITHIN THE CONTEXT OF THE ACCIDENT SOURCE TERM ISSUE. ALL OTHER ITEMS INACTIVE.											
ISSUES:	THIS ITEM IS NOT IN NRR'S FY82 OPERATING PLAN.											
COMMISSION ACTION:	NONE.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.2.2(4)	3	INACTIVE	GREEN	NO	FY83	01/21/82	NRR	FRANK CONGEL	27321	DSI	RAB	*
TITLE:	SUBPART (4) OF RADIOIODINE, CARBON-14, AND TRITIUM PATHWAY DOSE ANALYSIS (NRR)											
PURPOSE:	IMPROVE THE UNDERSTANDING OF RADIOACTIVE IODINE PARTITIONING IN THE PRIMARY COOLANT AND IN THE CONTAINMENT STRUCTURE. RADIOIODINE, CARBON-14, AND TRITIUM BEHAVIOR IN THE ENVIRONMENT FOLLOWING AN ACCIDENT AND DURING NORMAL OPERATION WILL BE DEVELOPED. BASED UPON THESE STUDIES, REVISE SRP SECTION AND RGs AS NECESSARY.											
SCHEDULE:	(ORIGINAL) INITIATE THE FOLLOWING WORK IN FY82 OR LATER: DEPENDING ON THE OUTCOME OF THE STUDIES DESCRIBED IN ITEMS III.D.2.2 (1), (2), AND (3), REVISE SRP SECTIONS AND REGULATORY GUIDES AS NECESSARY. (CURRENT) INITIATE IN FY83 OR LATER.											
ACCOMPLISHMENTS:	NONE.											
CURRENT STATUS:	NOT STARTED. INACTIVE.											
ISSUES:	THIS ITEM IS NOT IN NRR'S FY82 OPERATING PLAN.											
COMMISSION ACTION:	NONE.											

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
III.D.2.3(1)	3	INACTIVE	GREEN	NO	FY82	01/15/82	NRR	RICHARD CODELL NRR RON BALLARD	28018 DE 24818 DE	DE	HGEB EEB	012523 *
TITLE:.....	LIQUID PATHWAY RADIOLOGICAL CONTROL (NRR)											
PURPOSE:.....	TO IMPROVE PUBLIC RADIATION PROTECTION IN THE EVENT OF A NUCLEAR POWER PLANT ACCIDENT BY IMPROVING THE CONTROL OF RADIOACTIVITY RELEASED INTO THE LIQUID PATHWAY BY ASSESSING THE FATE OF THE RADIOACTIVITY BOTH WITH AND WITHOUT PATHWAY INTERDICTION.											
SCHEDULE:.....	(ORIGINAL) THE ACTION PLAN CALLS FOR COMPLETION OF THE EVALUATION OF THE INDIAN POINT AND ZION UNITS BY JULY 15, 1980 WITH A FINAL REVIEW OF LICENSING DESIGN BY DECEMBER 31, 1980. INDIAN POINT LICENSEE HAS NOT RESPONDED TO REQUEST TO STUDY LIQUID PATHWAY PROBLEM. EVALUATION OF OTHER SITES WAS TO BEGIN IN FY 82 OR LATER.											
ACCOMPLISHMENTS:..	(CURRENT) WITH THE EXCEPTION OF ZION NOTED UNDER CURRENT STATUS, THIS EFFORT IS ON SCHEDULE. EVALUATION OF THE LIQUID PATHWAY EFFECTS OF A CLASS 9 ACCIDENT FOR ZION, SUMMER, SAN ONOFRE, FERMI, SALEM, SUSQUEHANNA AND WATERFORD ARE COMPLETE AND HAVE BEEN PROVIDED TO PROJECT MANAGEMENT. OTHER NEAR-TERM OL'S ARE UNDERWAY.											
CURRENT STATUS:...	A DRAFT NOTEBOOK HAS BEEN PREPARED WHICH OUTLINES SOME OF THE SCREENING TECHNIQUES USEFUL FOR EVALUATING CORE MELT CONSEQUENCES AT SITES. MANY OF THE TECHNIQUES HAVE BEEN SUCCESSFULLY APPLIED TO SITE EVALUATIONS OF ACCIDENT EFFECTS FOR USE IN PREPARING THE ACCIDENT EVALUATION INPUTS TO THE EIS. AN INTERN ON ROTATION AND R. CODELL STARTED ON THE BRANCH TECHNICAL POSITION ON SITE CLASS AND EVALUATION. MUCH WORK REMAINS BEFORE COMPLETION OF THIS POSITION. THE STAFF CONTINUES TO COMPILE DATA ON PHYSICAL AND GEOCHEMICAL PROPERTIES FOR A LARGE RANGE OF GEOLOGIC MATERIALS. THESE DATA WILL BE USEFUL FOR EVALUATIONS OF SITES WHERE DETAILED GROUND WATER OR GEOHYDRAULIC MEASUREMENTS ARE LACKING.											
ISSUES:.....	THE BRANCH TECHNICAL POSITION ON CLASS 9 ANALYSES OF THE LIQUID PATHWAY HAS BEEN STARTED, BUT A GREAT DEAL OF WORK REMAINS BEFORE IT IS USABLE. NO STAFF RESOURCES HAVE BEEN BUDGETED FOR THIS TASK. ISSUE IDENTIFIED IN GREAT LAKE PLANTS UNDER OL REVIEW CONCERNING AIRBORNE RELEASES OF LONG LIVED RADIOACTIVITY BEING DEPOSITED ON LARGE BREAK WATER SURFACE OF GREAT LAKES AND SIGNIFICANTLY CONTRIBUTING TO LIQUID PATHWAY. R. CODELL IS WORKING ON THESE CASES WITH S. ACHARYA OF AEB/DE ON THIS ISSUE.											

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
III.D.2.3(2)	3	INACTIVE	GREEN	NO	FY82	01/15/82	NRR	RICHARD CODELL	28018 DE	DE	HGEB	012523 *
TITLE:.....	SCREENING OF SITES FOR LIQUID PATHWAY CONSEQUENCES.											
PURPOSE:.....	DETERMINE, USING TECHNIQUES DEVELOPED UNDER III.D.2.3(1), THOSE SITES WHICH MIGHT REQUIRE INTERDICTION MEASURES AFFECTING GROUND AND SURFACE WATER FOLLOWING A CORE MELT ACCIDENT.											
SCHEDULE:.....	(ORIGINAL) FY82 OR LATER (CURRENT) FY82 OR LATER.											
ACCOMPLISHMENTS:..	A NUMBER OF NEAR-TERM OLS AND SEVERAL OPERATING PLANTS HAVE BEEN REVIEWED, PARTICULARLY CONCERNING THE ACCIDENT EVALUATION SECTION OF THE EIS.											
CURRENT STATUS:...	STAFF HAS PERFORMED APPROXIMATELY 20 ANALYSES. NEW OL'S ARE BEING EVALUATED FOR CORE MELT LIQUID PATHWAY CONSEQUENCES BY THE APPLICANTS WITH STAFF INFORMAL GUIDANCE.											
ISSUES:.....	BRANCH TECHNICAL POSITION OR REG GUIDE WOULD AID STAFF AND APPLICANT IN EVALUATION. WORK STARTED ON BTP WITH HELP OF AN INTERN ON ROTATION. MUCH WORK IS STILL NEEDED ON BTP. HOWEVER, NO STAFF RESOURCES HAVE BEEN BUDGETED FOR THIS TASK OR TO REVIEW SITES OTHER THAN THOSE INVOLVED IN THE LICENSING REVIEW PROCESS.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.2.3(3)	3	INACTIVE	GREEN	NO	FY82	01/15/82	NRR	RICHARD CODELL	28018	DE	HGEB	012523 *
TITLE:.....			LIQUID PATHWAY INTERDICTION									
PURPOSE:.....			EXPLORE ENGINEERING MEASURES BY WHICH CONTAMINATED GROUND WATER RELEASED FROM A CORE MELT ACCIDENT CAN BE EFFECTIVELY INTERDICTIONED BEFORE CONTAMINATING OFFSITE SURFACE OR GROUND WATER.									
SCHEDULE:.....			(ORIGINAL) FY82 OR LATER (CURRENT) FY82 OR LATER.									
ACCOMPLISHMENTS:..			PREPARATION OF DRAFT REPORT ON SLURRY WALLS FOR MITIGATION.									
CURRENT STATUS:...			ARGONNE NATIONAL LABORATORIES HAS PREPARED A DRAFT REPORT ON USING SLURRY WALLS FOR MITIGATION. THEY ARE CURRENTLY EVALUATING TECHNIQUES SUCH AS PRESSURE GROUTING AND SHEET PILES FOR THEIR APPLICABILITY TO LIQUID PATHWAY MITIGATION. FUTURE TASKS INCLUDE A DETAILED PLAN FOR IMPLEMENTING A SLURRY WALL AT A REAL SITE, AND A REVIEW OF A LARGE NUMBER OF SITES TO DETERMINE WHAT FRACTION ARE AMENABLE TO GROUND WATER INTERDICTION.									
ISSUES:.....			RES IS CONSIDERING CONTINUING THIS PROJECT SINCE NO NRR FUNDS ARE AVAILABLE FOR TECHNICAL ASSISTANCE.									

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.2.3(4)	3	INACTIVE	GREEN	NO	FY82	01/15/82	NRR	RICHARD CODELL	28018	DE	HGEB	012523 *
TITLE:.....			SUMMARY ASSESSMENT OF LIQUID PATHWAY CONSEQUENCES									
PURPOSE:.....			ANALYZE LIQUID PATHWAY RADIOLOGICAL CONSEQUENCES FOR POSTULATED CORE MELT ACCIDENTS AT A WIDE VARIETY OF ACTUAL SITES.									
SCHEDULE:.....			(ORIGINAL) FY82 OR LATER (CURRENT) SAME									
ACCOMPLISHMENTS:..			ABOUT 20 SITES HAVE BEEN EVALUATED SO FAR, MOSTLY IN CONNECTION WITH PREPARATION OF THE EIS.									
CURRENT STATUS:...			NO NRC FUNDS HAVE BEEN ALLOCATED FOR THIS TASK IN FY82.									
ISSUES:.....												

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.2.4(1)	3	ACTIVE	RED	NO	FY82	01/20/82	NRR	WAYNE MEINKE	29430	DSI	RAB	*
TITLE:.....			OFFSITE DOSE MEASUREMENTS (NRR)									
PURPOSE:.....			STUDY THE FEASIBILITY OF ENVIRONMENTAL MONITORS CAPABLE OF MEASURING REAL-TIME RATES OF EXPOSURE TO UNMONITORED RELEASES OF NOBLE GASES AND RADIOIODINES.									
SCHEDULE:.....			(ORIGINAL) FY80 - INITIATE THE FEASIBILITY STUDY. (CURRENT) 08/81C - TECHNICAL ASSISTANCE CONTRACT ISSUED TO INEL. 03/82 - CONTRACTOR REPORT DUE TO NRC. 05/82 - COMPLETE STAFF EVALUATION OF CONTRACTOR'S REPORT. 07/82 - ISSUE STAFF POSITION ON USE OF MONITORS INCLUDING GUIDELINES AND IMPLEMENTATION SCHEDULE FOR INCLUSION IN RG 1.97 (REV. 2).									
ACCOMPLISHMENTS:..			SEE SCHEDULE ABOVE.									
CURRENT STATUS:...			CONTRACTOR'S REPORT DUE FROM INEL BY 03/31/82.									
ISSUES:.....			(1) THIS ITEM HAS BEEN INCLUDED IN NRR'S FY82 OPERATING PLAN. (2) A REVISED BASELINE SCHEDULE WAS REQUESTED FOR THIS ITEM BECAUSE OF TRANSFER OF LEAD FROM RES TO NRR. SEE MEMORANDUM FROM H. DENTON TO W. DIRCKS, DATED 01/05/82.									
COMMISSION ACTION:			NONE.									
NOTE.....			SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO. FLAG WILL CHANGE TO GREEN IF APPROVED.									

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.2.4(2)	3	ACTIVE	GREEN	NO	FY82	12/18/81	IE	LARRY COHEN	24968	DSRSI		*
TITLE:.....			OFFSITE DOSE MEASUREMENTS (IE)									
PURPOSE:.....			IE WILL PLACE 50 TLD'S AROUND EACH SITE. DURING NORMAL OPERATION QUARTERLY REPORTS WILL BE PROVIDED. FOR ACCIDENTS, DOSIMETERS CAN BE READ AT APPROPRIATE FREQUENCIES.									
SCHEDULE:.....			(ORIGINAL) (1) COMPLETE INSTALLATION OF DOSIMETERS AT OPERATING REACTORS BY 8/80 AND AT NTOL SITES BEFORE FULL POWER OPERATION. (2) QUARTERLY REPORTS - NOT SCHEDULED. (CURRENT) SEE CURRENT STATUS									
ACCOMPLISHMENTS:..			(1) INSTALLATION OF DOSIMETERS COMPLETED ON SCHEDULE.									
CURRENT STATUS:...			(2) IE HAS RECOMMENDED CHANGING THE REQUIREMENTS FOR QUARTERLY REPORTS IN THE ACTION PLAN (MEMO OF 11/17/81). WITH THIS CHANGE THE ITEM WILL BE COMPLETE.									
ISSUES:.....												
NOTE.....			SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.									

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.2.5	3	ACTIVE	GREEN	NO	FY82	01/20/82	NRR	FRANK CONGEL	27321	DSI	RAB	*
TITLE:	OFFSITE DOSE CALCULATION MANUAL (NRR)											
PURPOSE:	PREPARE A DOSE MANUAL THAT CAN BE USED BY LICENSEE AND NRC STAFF TO QUICKLY EVALUATE OFFSITE DOSES DURING AN ACCIDENT.											
SCHEDULE:	(ORIGINAL) FY82 OR LATER - INITIATE NRC WORK. (CURRENT) 08/81C - TECHNICAL ASSISTANCE CONTRACT ISSUED TO ORNL. 04/82 - CONTRACTOR REPORT TO BE ISSUED AS NUREG/CR.											
ACCOMPLISHMENTS:	A TECHNICAL ASSISTANCE CONTRACT WAS ISSUED TO ORNL TO PREPARE A DEFINITIVE AND AUTHORITY DOCUMENT ON THE ASSESSMENT OF ENVIRONMENTAL RELEASES OF RADIONUCLIDES FROM NUCLEAR FACILITIES IN BOTH NORMAL OPERATION AND AS A RESULT OF ACCIDENTS. THIS DOCUMENT WILL BE USED BY THE NRC STAFF AS AN AUTHORITY REFERENCE WITH REGARD TO ALL PERTINENT ASPECTS OF RADIOLOGICAL IMPACT ASSESSMENT. IT WILL BE DISTRIBUTED TO LICENSEES AND APPLICANTS FOR THEIR USE AS AN EXAMPLE OF ACCEPTABLE METHODOLOGIES FOR SUCH ASSESSMENT.											
CURRENT STATUS:	CONTRACTOR REPORT IS BEING DEVELOPED AT ORNL.											
ISSUES:	NONE.											
COMMISSION ACTION:	NONE.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.2.6	-	ACTIVE	GREEN	NO	FY83	12/18/81	IE	LARRY COHEN	24968	DSRSI		*
TITLE:	INDEPENDENT RADIOLOGICAL MEASUREMENTS (IE)											
PURPOSE:	THE CAPABILITY OF THE NRC'S REGIONAL OFFICES TO PERFORM INDEPENDENT RADIOLOGICAL MEASUREMENTS DURING ROUTINE INSPECTIONS AND EMERGENCY RESPONSE OPERATIONS WILL BE UPGRADED. THE INSPECTION PROGRAM WILL BE REVISED TO REFLECT NEW REQUIREMENTS FOR INDEPENDENT MEASUREMENTS.											
SCHEDULE:	(ORIGINAL) DECISION GROUP D. (CURRENT) SAME											
ACCOMPLISHMENTS:												
CURRENT STATUS:	TASK FORCE REPORT ON INDEPENDENT MEASUREMENTS COMPLETED. ALL REGIONS HAVE FULLY EQUIPPED MOBILE LABS. IE HAS RECOMMENDED DELETING THE INSPECTION PROGRAM REVISIONS FROM THE ACTION PLAN (MEMO OF 11/27/81). REVISION OF THE INSPECTION PROCEDURES IS INCLUDED IN ROUTINE EFFORT FOR PROGRAM DEVELOPMENT. TO COMPLETE INSTALLATION OF EQUIPMENT IN REGIONAL OFFICES 6/83.											
ISSUES:												
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.											

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
III.D.3.1	2	ACTIVE	GREEN	YES	FY82	01/20/82	NRR IE RES	RICH SERBU L. CUNNINGHAM J. BELL	29426 28073 35970	DSI DSRS DFO	RAB RASB OPBR	042928 *

TITLE:..... RADIATION PROTECTION PLANS (NRR)
 PURPOSE:..... TO ASSURE A COMPREHENSIVE RADIATION PROTECTION PROGRAM THAT WILL FUNCTION EFFECTIVELY DURING ROUTINE OPERATIONS, ANTICIPATED OPERATIONAL OCCURRENCES AND EMERGENCIES.
 SCHEDULE:..... (ORIGINAL)
 FY82 OR LATER - INITIATE WORK.
 (CURRENT)
 12/80C - DRAFT NUREG-0761, "RADIATION PROTECTION PLANS FOR NUCLEAR POWER REACTOR LICENSEES" DISCUSSED WITH ACRS.
 03/81C - DRAFT NUREG-0761 ISSUED FOR PUBLIC COMMENT.
 06/81C - EHD PUBLIC COMMENT PERIOD.
 02/82 - COMPLETE REVIEW OF PUBLIC COMMENTS AND CONVERT NUREG-0761 INTO REG GUIDE FORMAT.
 02/82 - COMPLETE COMMISSION PAPER ON ALARA RULEMAKING (PROPOSED 10 CFR 20.208).
 02/82 - ISSUE PROPOSED ALARA RULE AND RADIATION PROTECTION PLAN RG FOR PUBLIC COMMENT.
 ACCOMPLISHMENTS:.. SEE COMPLETED MILESTONES INDICATED ABOVE UNDER CURRENT SCHEDULE.
 CURRENT STATUS:... ALARA RULEMAKING WILL INCORPORATE A REQUIREMENT FOR PLANTS TO HAVE RADIATION PROTECTION PLANS. THE RULEMAKING EFFORT WILL TAKE ABOUT 9 MOS. A FINAL RG WILL THEN BE ISSUED.
 ISSUES:..... NONE.
 COMMISSION ACTION: COMMISSION ACTION WILL BE NECESSARY IN PROPOSED ALARA RULEMAKINGS/RG'S ISSUED FOR PUBLIC COMMENT.

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
III.D.3.2(1)	-	ACTIVE	GREEN	NO	02/82	11/20/81	RES	ROBERT ALEXANDER	35975	DFO	OPB	*

TITLE:..... HEALTH PHYSICS IMPROVEMENTS (RES)
 PURPOSE:..... ESTABLISH REGULATORY CERTIFICATION PROGRAM FOR PERSONNEL DOSIMETRY PROCESSORS.
 SCHEDULE:..... (ORIGINAL) DECISION GROUP D (CURRENT) PUBLICATION OF PROPOSED RULE FOR COMMENTS 2/82;
 THIRD ROUND OF PERFORMANCE TESTING OF DOSIMETRY PROCESSORS IN PILOT STUDY OF ANSI N13.11 09/81 STANDARD.
 ACCOMPLISHMENTS:.. PUBLICATION OF ADVANCE NOTICE OF RULEMAKING, MARCH 28, 1980. ISSUED RFP MODIFICATION FOR A PILOT TEST OF REVISED STANDARD. PREPARED INTERAGENCY AGREEMENT WITH NVLAP/NBS.
 CURRENT STATUS:... COMMISSION PAPER FOR PROPOSED RULE IN PREPARATION.
 ISSUES:..... RECENT RULING BY ELD THAT THE COMMISSION DOES NOT HAVE THE AUTHORITY TO CERTIFY PERSONNEL DOSIMETRY PROCESSORS HAS NECESSITATED DISCUSSIONS WITH OTHER AGENCIES THAT DO HAVE SUCH AUTHORITY, NVLAP (DOC).

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
III.D.3.2(2)	-	COMPLETE		NO	07/81	11/20/81	RES	ROBERT ALEXANDER	35975	DF0	OPB	*
TITLE:.....							RES	STEVE MCGUIRE	35970	DF0	OPB	
PURPOSE:.....												
SCHEDULE:.....												
ACCOMPLISHMENTS:..												
CURRENT STATUS:...												
ISSUES:.....												

HEALTH PHYSICS IMPROVEMENTS (RES)
SPECIFY ACCEPTABLE PROGRAMS FOR USE OF AUDIBLE ALARM DOSIMETERS
(OBJECTIVE) DECISION GROUP D (CURRENT) ACTIVE GUIDE TO BE PUBLISHED IN JULY, 1981.
PUBLICATION OF DRAFT GUIDE FOR COMMENT AUGUST, 1979.
IN FINAL OFFICE CONCURRENCE CHAIN.
FINAL GUIDE WAS ISSUED IN AUGUST 1981.

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #	
III.D.3.2(3)	-	ACTIVE		GREEN	NO	FY84	11/20/81	RES	ROBERT ALEXANDER	35975	DF0	OPB	*
TITLE:.....													
PURPOSE:.....													
SCHEDULE:.....													
ACCOMPLISHMENTS:..													
CURRENT STATUS:...													
ISSUES:.....													

HEALTH PHYSICS IMPROVEMENTS (RES)
IN COOPERATION WITH ANSI, DEVELOP A STANDARD(S) ON PERFORMANCE CRITERIA FOR HEALTH PHYSICS SURVEY INSTRUMENTS. CONTRACT FOR PERFORMANCE TESTING OF ON-THE-SHELF INSTRUMENTS TO DETERMINE ADEQUACY OF THE STANDARD AND THE PERFORMANCE OF AVAILABLE INSTRUMENTS.
(OBJECTIVE) DECISION GROUP D.
(CURRENT) INITIAL DRAFT REGULATION 12/30/83, PROPOSED RULE PUBLISHED IN FR 09/28/84.
CONTRACT AWARDED TO PNL.
ANSI N42 WORKING GROUP ESTABLISHED, PERFORMANCE STANDARD DRAFTED. TESTING OF STANDARD TO BE PERFORMED BY PNL, JOINTLY FUNDED BY NRC AND DOE.

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #	
III.D.3.2(4)	-	ACTIVE		GREEN	NO	09/82	11/20/81	RES	ROBERT ALEXANDER	35975	DF0	OPB	*
TITLE:.....													
PURPOSE:.....													
SCHEDULE:.....													
ACCOMPLISHMENTS:..													
CURRENT STATUS:...													
ISSUES:.....													

HEALTH PHYSICS IMPROVEMENTS (RES)
UNDER CONTRACT WITH RES, THE LOS ALAMOS SCIENTIFIC LABORATORY WILL DEVELOP A METHOD FOR TESTING AND CERTIFYING AIR-PURIFYING RESPIRATORS FOR USE AGAINST RADIOIODINES. THE METHOD AND EQUIPMENT WILL BE TRANSFERRED TO NIOSH, AND NIOSH WILL BE REQUESTED TO AMEND 30 CFR 11 TO INCORPORATE THE METHOD INTO RESPIRATOR TEST AND CERTIFICATION SCHEDULES. NRR WILL EVALUATE THE NEED TO SPECIFY THE QUANTITY AND TYPES OF RESPIRATORS NECESSARY FOR NORMAL AND EMERGENCY USE.
(OBJECTIVE) DECISION GROUP D.
(CURRENT) COMPLETE CONTRACT 09/82
FINAL PREPARATION FOR TRANSFER OF TEST METHOD AND EQUIPMENT TO NIOSH IN PROGRESS.

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.3.3(1)	3	COMPLETE	NO		10/81	09/01/81	NRR	DAVE VERRELLI	28434	DL	ORAB	043278 *
							NRR	FRANK SKOPEC	27895	DSI	RAB	
							NRR	DOUG COLLINS	27614	DSI	RAB	

TITLE:..... INPLANT RADIATION MONITORING (NRR)
PURPOSE:..... ASSURE IMPROVED SYSTEMS FOR MONITORING IN-PLANT RADIOIODINE AND RADIATION FOR ROUTINE AND EMERGENCY CONDITIONS.
SCHEDULE:..... (ORIGINAL) REQUIREMENT ISSUED (2.1.8C. OF L2) FOR IN-PLANT IODINE - 04/30/79. SHORT-TERM REQUIREMENTS COMPLETED BY LICENSEES - 01/80. LONG-TERM REQUIREMENTS COMPLETED - 01/81. (CURRENT) SAME AS ORIGINAL.
ACCOMPLISHMENTS:.. SERS FOR SHORT TERM REQUIREMENTS ISSUED IN MARCH AND APRIL 1980. MOST LICENSEES MET THE LONG TERM REQUIREMENT TO HAVE A LOW BACKGROUND COUNTING AREA AS PART OF THEIR SHORT TERM RESPONSE. ORDERS WERE ISSUED (07/81) CONFIRMING LICENSEE COMMITMENTS TO COMPLETE THIS ITEM.
CURRENT STATUS:... NUREG-0737 SPECIFIES THAT LICENSEES REQUIRING EXEMPTIONS FROM THE REQUIREMENT TO HAVE A LOW BACKGROUND COUNTING AREA AVAILABLE SUBMIT A REQUEST FOR EXEMPTION BY 3/1/81. NO SUCH REQUESTS HAVE BEEN RECEIVED. INSPECTION FOR IMPLEMENTATION WILL BE PERFORMED BY IE DURING ROUTINE INSPECTIONS.
ISSUES:..... THIS ITEM HAS BEEN APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION PLAN TRACKING SYSTEM (PATS).

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.3.3(2)	-	COMPLETE	NO		FY81	01/20/82	NRR	SY BLOCK	29424	DSI	RAB	*

TITLE:..... INPLANT RADIATION MONITORING (NRR)
PURPOSE:..... TO IMPROVE LICENSEES' SYSTEMS FOR MONITORING IN PLANT RADIATION LEVELS FOLLOWING AN ACCIDENT.
SCHEDULE:..... (ORIGINAL)
FY82 OR LATER - INITIATE WORK.
(CURRENT)
12/80C - REQUIREMENTS FOR HIGH RANGE AREA AND PORTABLE MONITORS INCORP. INTO RG 1.97, REV. 2.
07/81C - SRP SEC. 12.3 AND 12.5 REVISED TO INCORPORATE REQUIREMENTS FOR INPLANT RADIATION MONITORING.
ACCOMPLISHMENTS:.. THIS ITEM IS COMPLETE.
CURRENT STATUS:... COMPLETE.
ISSUES:..... WHILE RG 1.97 REV. 2 WAS ISSUED IN 12/80, REQUIRING OR IMPLEMENTATION BY 06/83, THE OR IMPLEMENTATION REQUIREMENTS/DATE ARE BEING REVIEWED BY CRGR.
COMMISSION ACTION: NO

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.3.3(3)	3	ACTIVE	YELLOW	NO	03/82	11/20/81	RES	ROBERT ALEXANDER	35975	DFO	ORPB	*
							NRR					
							NMSS					

TITLE:..... INPLANT RADIATION MONITORING (RES)
PURPOSE:..... ISSUE RULE CHANGE PROVIDING ACCEPTABLE METHODS FOR CALIBRATION OF RADIATION-MONITORING INSTRUMENTS.
SCHEDULE:..... (ORIGINAL): 09/01/81 PROPOSED RULE TO ENTER FEDERAL REGISTER.
(CURRENT) : 03/13/82 PROPOSED RULE TO ENTER FEDERAL REGISTER.
ACCOMPLISHMENTS:.. WORKING DRAFTS OF THE RULE, REGULATORY GUIDE AND VALUE/IMPACT STATEMENT HAVE BEEN PREPARED.
CURRENT STATUS:... ACTIVE PROJECT.
ISSUES:..... NMSS AND NRR MAY HOLD DIFFERENT VIEWS ON THE FREQUENCY OF CALIBRATION NECESSARY FOR THESE PORTABLE SURVEY INSTRUMENTS.

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.3.3(4)	3	COMPLETE	NO		08/80	08/14/81	RES NRR	ROBERT ALEXANDER	35975	DFO	ORPB	*

TITLE:..... INPLANT RADIATION MONITORING (RES)
PURPOSE:..... ISSUE REGULATORY GUIDE PROVIDING ACCEPTABLE METHODS FOR CALIBRATION OF AIR SAMPLING INSTRUMENTS.
SCHEDULE:..... (ORIGINAL) DECISION GROUP D (CURRENT) ISSUE REG. GUIDE 8.25 - 08/80.
ACCOMPLISHMENTS:..
CURRENT STATUS:... COMPLETED REG. GUIDE 8.25 ISSUED 08/80.
ISSUES:.....

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.3.4(1)	2	REQUIREMENT	GREEN	NO	05/82	09/01/81	NRR NRR IE	DAVE VERRELLI HARRY KRUG MIKE KIDD	28434 28375 28019	DL DSI	ORAB AEB	042235 *

TITLE:..... CONTROL ROOM HABITABILITY (NRR)
PURPOSE:..... REQUIRE (1) ALL FACILITIES THAT HAVE NOT BEEN REVIEWED AGAINST R.G. 1.78, 1.95 AND SRP SECTIONS 2.2.1, 2.2.2, 2.2.3, AND 6.4 TO DO THE EVALUATIONS AND ESTABLISH A SCHEDULE FOR NECESSARY MODIFICATIONS (AS A CONDITION FOR A FULL POWER LICENSE); AND (2) IN CONJUNCTION WITH RULEMAKING AS PER ITEM # II.B.8, REVISE APPLICABLE R.G. AND SRP TO REFLECT TMI EXPERIENCE AND RULEMAKING RESULTS.
SCHEDULE:..... (ORIGINAL) (1) OPERATING REACTORS - REQUIREMENTS ISSUED TO OPERATING REACTORS IN MAY 1980 1 JANUARY 1981. NRR COMPLETES (WITH PNL ASSISTANCE) REVIEW BY JULY 1981. IE COMPLETES INSPECTIONS ON A CASE-BY-CASE BASIS FOR CONFORMANCE NO LATER THAN JULY 1983.
(2) NTOL REACTORS - SATISFY REQUIREMENTS OF NUREG-0694 PRIOR TO FULL POWER LICENSE.
ACCOMPLISHMENTS:.. SATISFY OPERATING REACTORS REQUIREMENTS PER (1) ABOVE ON A CASE-BY-CASE BASIS.
(CURRENT) EVALUATIONS TO BE COMPLETED BY 05/82.
(1) GUIDANCE TO OPERATING REACTORS ON 7 MAY 1980. (2) FULL POWER SER INPUTS COMPLETE FOR NEAR-TERM OPERATING LICENSE PLANTS ON SCHEDULE. (3) TECHNICAL ASSISTANCE CONTRACT AWARDED TO PNL ON 1 AUGUST 1980. ORDERS WERE ISSUED (07/81) TO CONFIRM LICENSEE COMMITMENTS TO SUBMIT EVALUATION. ORDERS ALLOWED 30 - 60 DAYS FROM DATE OF ISSUANCE TO COMPLETE SUBMITTAL.
CURRENT STATUS:... SCOPE OF WORK AND SCHEDULE HOLDING CONSISTENT WITH NUREG-0660, NUREG-0694, THE NRC LETTER OF 7 MAY 1980 AND NUREG-0737 CLARIFICATION LETTER.
ISSUES:..... IF INDUSTRY SUBMITTALS ARE OF POOR QUALITY, INCREASED COSTS AND SCHEDULES COULD RESULT. TO MAKE THE EVALUATIONS MEANINGFUL, CAREFUL TEST OF THE CONTROL ROOMS MAY BE NEEDED AS A CONFIRMATORY DEMONSTRATION. IT IS EXPECTED THAT PRESENT FUNDING IS INADEQUATE TO COMPLETE ALL OPERATING REACTOR REVIEWS. THIS ITEM HAS BEEN APPROVED FOR IMPLEMENTATION AND IS BEING TRACKED ON THE PROJECT ACTION PLAN TRACKING SYSTEM (PATS).

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #	
III.D.3.4(2)	2	INACTIVE	GREEN	NO	N/S	01/20/82	NRR	HARRY KRUG	28375	DSI	AEB	043272	*
TITLE:..... CONTROL ROOM HABITABILITY													
PURPOSE:..... TO INVESTIGATE, IN CONJUNCTION WITH THE RULEMAKING PROPOSED UNDER ITEM II.B.8, EXAMINE AND EVALUATE OTHER SOURCES AND PATHWAYS OF RADIOACTIVITY AND RADIATION THAT MAY LEAD TO CONTROL ROOM HABITABILITY PROBLEMS AND MAKE CHANGES, IF NECESSARY TO APPLICABLE RG'S AND SRP SECTION 6.4.													
SCHEDULE:..... (ORIGINAL) NOT SCHEDULED - LONGER TERM CHANGES IN CRITERIA WILL BE DEPENDENT ON THE RESULTS OF THE RULEMAKING PROCEEDING ON DEGRADED CORES.													
(CURRENT) NOT SCHEDULED - THE COMMISSION DIRECTED PURSUANT TO SECY-82-1, "SEVERE ACCIDENT RULEMAKING AND RELATED MATTERS," THAT IN PLACE OF THE DEGRADED CORE RULEMAKING DESCRIBED UNDER ITEM II.B.8, THE COMMISSION WILL ISSUE A POLICY STATEMENT ON LICENSING POLICY FOR NEW POWER PLANT CP APPLICATIONS. ADDITIONAL WORK ON DEGRADED CORE RESEARCH WILL CONTINUE THROUGH RES. WORK, WHEN BEGUN, ON III.D.3.4 (2) WILL BE ACCOMPLISHED IN CONJUNCTION WITH DEGRADED CORE RESEARCH.													
ACCOMPLISHMENTS:.. NOT STARTED.													
CURRENT STATUS:.. INACTIVE.													
ISSUES:..... SEE REVISED SCHEDULE ABOVE.													
COMMISSION ACTION: NONE.													

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #	
III.D.3.5(1)	-	ACTIVE	GREEN	NO	12/82	11/20/81	RES	DIANE FLACK	74567	DHSWM	HEBR		*
TITLE:..... RADIATION WORKER EXPOSURE DATA BASE (RES)													
(EVALUATION, IMPROVEMENT, AND EXPANSION OF PRESENT DATA BASE)													
PURPOSE:..... IMPROVE AND EXPAND THE DATA BASE ON INDUSTRY EMPLOYEES TO FACILITATE POSSIBLE FUTURE EPIDEMIOLOGICAL STUDIES ON WORKER HEALTH.													
SCHEDULE:..... (ORIGINAL) DECISION GROUP D-SCHEDULES AND RESOURCES ARE TO BE DEVELOPED IN CONNECTION WITH ROUTINE AGENCY BUDGETARY PROCESSES.													
(CURRENT) COMPLETION BY 12/82.													
ACCOMPLISHMENTS:.. DRAFT PLAN DEVELOPED FOR COLLECTING, COMPILING, AND EVALUATING THE PRESENT DATA BASE ON EMPLOYEES IN THE NUCLEAR POWER INDUSTRY 10/80.													
CURRENT STATUS:.. CONTACTS MADE WITH DOE, AIF, EPRI, AND MPA TO COORDINATE SIMILAR TASKS (11/80, 12/80). QUESTIONNAIRE BEING DEVELOPED FOR DISTRIBUTION TO FACILITIES IN THE NUCLEAR POWER INDUSTRY TO DETERMINE THE QUANTITY AND QUALITY OF DATA AVAILABLE ON WORKERS' RADIATION EXPOSURE AND OF OTHER DATA PERTINENT TO EVENTUAL EPIDEMIOLOGICAL STUDIES. INITIAL REVIEW OF QUESTIONNAIRE COMPLETE. FORMS ARE BEING REVISED TO CONFORM WITH FEDERAL PAPERWORK REDUCTION ACT. QUESTIONNAIRE PRE-TESTED AT NUCLEAR POWER FACILITY (07/81). QUESTIONNAIRE BEING REVIEWED TO COORDINATE WITH SIMILAR TASKS UNDERWAY AT AIF, DOE, & EPRI.													
ISSUES:.....													

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.3.5(2)	-	ACTIVE	GREEN	NO	07/82	11/20/81	RES NRR IE	DIANE FLACK WILLIAM KREGER JOHN BUCHANAN	74567 28026 29612	DHSWM DSI DSRSI	HEB AD/RP RASB	*

TITLE:..... RADIATION WORKER EXPOSURE BASE (RES)
 (NON-LEGISLATIVE MEANS OF DATA COLLECTION)
 PURPOSE:..... INVESTIGATE MEANS OF OBTAINING EMPLOYEE HEALTH DATA BY NON-LEGISLATIVE MEANS.
 SCHEDULE:..... (ORIGINAL) DECISION GROUP D
 (CURRENT) COMPLETION BY 07/82.
 ACCOMPLISHMENTS:.. INITIAL COORDINATION WITH DOE, AIF, EPRI AND NRC (MPA) ACCOMPLISHED
 CURRENT STATUS:... CONTACTS WITH APPROPRIATE ORGANIZATIONS CONTINUING. COORDINATION CONTINUING WITH AIF'S TASK
 FORCE ON RECORD KEEPING, WHICH IS CURRENTLY EXAMINING THE FEASIBILITY AND COST BENEFIT
 OF A CENTRALIZED RECORD SYSTEM FOR TRANSIENT WORKERS (11/20).
 ISSUES:..... AIF AND EPRI PURSUING VOLUNTARY INDUSTRY REGISTRY.

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
III.D.3.5(3)	-	COMPLETE		NO	02/81	08/14/81	RES RES NRR IE	ROBERT BAKER WALTER COOL JACK NEHEMIAS LEO HIGGINBOTHAM	74570 74579 27574 28225	DHSWM DHSWM DSI DSRSI	HEB HEB RAB RASB	*

TITLE:..... RADIATION WORKER EXPOSURE BASE (RES)
 (LEGISLATIVE ACTION AND REGULATORY REQUIREMENTS FOR DATA COLLECTION)
 PURPOSE:..... INCLUDE AS PART OF THE OVERALL REWRITE OF 10 CFR PART 20 CONSIDERATION OF A REQUIREMENT
 FOR LICENSEES TO COLLECT WORKER MEDICAL DATA. COLLECTION OF DOSIMETRY DATA WILL
 CONTINUE TO BE REQUIRED.
 SCHEDULE:..... (ORIGINAL) DECISION GROUP D
 (CURRENT) TASK COMPLETED - PART 20 GROUP AGREES WITH TASK GROUP NOT TO REQUIRE
 COLLECTION OF WORKER MEDICAL DATA.
 ACCOMPLISHMENTS:.. EXAMINATION OF ALTERNATIVES OF RECORDS REQUIREMENTS COMPLETED 12/80
 CURRENT STATUS:... SELECTION OF STAFF POSITION ON ALTERNATIVES UNDERWAY
 ISSUES:.....

IMI ACTION PLAN TRACKING SYSTEM (APTS)

JANUARY 1982 ISSUE

CHAPTER IV ACTION ITEMS (RUN DATE: 01/30/82)

SUMMARY OF ACTION ITEMS:

CHAPTER IV :	<u>20</u>	(PRACTICES AND PROCEDURES)
NRR LEAD :	<u>3</u>	PRIORITY '1' ITEMS : <u>0</u>
IE LEAD :	<u>5</u>	PRIORITY '1' ITEMS : <u>0</u>
RES LEAD :	<u>7</u>	PRIORITY '1' ITEMS : <u>0</u>
OTHER LEAD :	<u>5</u>	PRIORITY '1' ITEMS : <u>0</u>

(OFFICE BREAKDOWN FOLLOWS NUMBERS - NRR,IE,RES,OTHER)

COMPLETE :	<u>8 (2,2,1,3)</u>
RED ITEMS :	<u>0</u>
YELLOW ITEMS :	<u>2 (0,2,0,0)</u>
GREEN ITEMS :	<u>10 (1,1,6,2)</u>
TOTAL :	<u>20 (3,5,7,5)</u>

PRIORITY '1' ITEMS :	<u>0</u>
PRIORITY '1' ITEMS :	<u>0</u>
PRIORITY '1' ITEMS :	<u>0</u>
PRIORITY '1' ITEMS :	<u>0</u>
TOTAL :	<u>0</u>

*REQUIREMENT :	<u>0</u>
*INACTIVE :	<u>3 (0,0,3,0)</u>

PRIORITY '1' ITEMS :	<u>0</u>
PRIORITY '1' ITEMS :	<u>0</u>

* THESE ITEMS ARE NOT MUTUALLY EXCLUSIVE WITH RESPECT TO THE OTHER CATEGORIES.

COMMENTS:

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
IV.A.1	2	COMPLETE	YES		FY81	09/01/81	OGC	LEONARD BICKWIT NRR DOUG COLLINS	43288 27614	DSI	RAB	*
TITLE:.....	SEEK LEGISLATIVE AUTHORITY IN ENFORCEMENT PROCESS (OGC)											
PURPOSE:.....	NRC IS STUDYING DESIRABILITY OF ESTABLISHING CATEGORIES OF LEGAL ACTION AGAINST SPECIFIC CONDITIONS OF VIOLATION.											
SCHEDULE:.....	(ORIGINAL) CIVIL PENALTY LIMIT DEPENDENT ON CONGRESSIONAL APPROVAL. COMMISSION PAPER WILL BE WRITTEN OTHER ITEMS BY 10/80. (CURRENT) SAME											
ACCOMPLISHMENTS:..	CIVIL PENALTY LIMITS WERE RAISED BY CONGRESSIONAL FY80 AUTHORIZATION AS SECTION 206.											
CURRENT STATUS:...	SECY-80-366 HAS BEEN WITHDRAWN.											
ISSUES:.....	A POLL CONDUCTED (03/81) INVOLVING COMMISSION OFFICES INDICATED THAT THE SUBJECT PAPER HAD BEEN OVERTAKEN BY EVENTS AND NO LONGER SERVED A USEFUL PURPOSE.											
CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
IV.A.2	-	ACTIVE	GREEN	YES	FY81	12/18/81	IE	JAMES LIEBERMAN	28487	EIS		*
TITLE:.....	REVISE ENFORCEMENT POLICY (IE)											
PURPOSE:.....	REVISE NRC ENFORCEMENT POLICY AND GUIDANCE FOR IMPOSITION OF CIVIL PENALTIES, ORDERS, AND OTHER SANCTIONS. CONSIDER PROBATION AS AN ENFORCEMENT ACTION. INCLUDE METHODS OF INFORMING PUBLIC. REQUEST COMMENTS AND HOLD REGIONAL MEETINGS.											
SCHEDULE:.....	(ORIGINAL) SECY-80-139A (08/80); SECOND COMMISSION BRIEFING (09/80); DECISION GROUP D ITEM (CURRENT) SAME											
ACCOMPLISHMENTS:..	POLICY PUBLISHED FOR TRIAL USE AND COMMENT. PUBLIC MEETINGS TO RECEIVE COMMENTS COMPLETED. REVISED POLICY PRESENTED TO COMMISSION 12/81.											
CURRENT STATUS:...	COMMISSION APPROVAL FOR FINAL POLICY STATEMENT EXPECTED IN EARLY 1982.											
ISSUES:.....												
COMMISSION ACTION:	APPROVAL OF PUBLICATION.											
CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
IV.B.1	-	COMPLETE	NO		FY81	12/18/81	IE	JAMES TAYLOR	29696	DRP		*
TITLE:.....	REVISE PRACTICES FOR ISSUANCE OF INSTRUCTIONS AND INFORMATION TO LICENSEES (IE)											
PURPOSE:.....	REVIEW OVERALL HRC PRACTICES ON ISSUING INFORMATION AND REQUIREMENTS AND REQUESTING INFORMATION. IDENTIFY FOR FURTHER STUDY OTHER PRACTICES THAT DETRACT FROM APPLICATION OF RESOURCES TO SAFETY. ALSO REVIEW RELATED MATTERS SUCH AS SYSTEMS TO TRACK RESOLUTION OF SAFETY ISSUES.											
SCHEDULE:.....	(ORIGINAL) DECISION GROUP D (CURRENT) SEE STATUS.											
ACCOMPLISHMENTS:..	STAFF REORGANIZED WITH DEPUTY EXECUTIVE DIRECTOR FOR REGIONAL OPERATIONS AND GENERIC REQUIREMENTS AND COMMITTEE TO REVIEW GENERIC REQUIREMENTS.											
CURRENT STATUS:...	COMPLETE. REPORTED TO EDO (MEMO OF 12/28/81).											
ISSUES:.....												

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
IV.C.1	3	COMPLETE		NO	FY82	01/15/82	NMSS NRR	BOB BROWNING	74200	WM		

TITLE:..... EXTEND LESSONS LEARNED FROM TMI TO OTHER NRC PROGRAMS (NMSS)
 PURPOSE:..... APPLY TMI WASTE DISPOSAL EXPERIENCE TO OTHER GENERIC WASTE DISPOSAL OPERATIONS.
 SCHEDULE:..... (ORIGINAL)
 ACCOMPLISHMENTS:.. INCORPORATED EPICOR-II RESIN DEGRADATION EXPERIENCE INTO BRANCH TECHNICAL POSITION ON WASTE FORM - 10/81.
 CURRENT STATUS:... COMPLETE.
 ISSUES:.....

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
IV.D.1 (1)	2	ACTIVE	YELLOW	NO	11/80	12/18/81	IE ADM	ED FOX PETER GOLDMAN	24772 28259	TB	TAO	

TITLE:..... NRC STAFF TRAINING (IE)
 PURPOSE:..... IE INTENDS TO ANALYZE NEEDS, REEXAMINE ITS TRAINING PROGRAM AND MODIFY THE PROGRAM ACCORDINGLY. CONTRACTOR ASSISTANCE WILL BE NEEDED.
 SCHEDULE:..... (ORIGINAL) BEGIN CONTRACTOR ASSISTANCE LATE FALL 1980 TO LAST 9 MONTHS.
 ACCOMPLISHMENTS:.. (CURRENT) SEE CURRENT STATUS.
 CURRENT STATUS:... CONTRACTOR ASSISTANCE HAS BEEN ACQUIRED. EFFORT IS PART OF ROUTINE PROGRAM.
 ISSUES:..... IE HAS RECOMMENDED DELETING THIS ITEM FROM THE ACTION PLAN (MEMO OF 11/17/81).
 COMMISSION ACTION:
 NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
IV.D.1 (2)	2	ACTIVE	YELLOW	NO	09/80	12/18/81	IE ADM	ED FOX PETER GOLDMAN	24772 28259	TB	TAO	

TITLE:..... NRC STAFF TRAINING (IE)
 PURPOSE:..... TO INCREASE OPERATOR SIMULATOR TRAINING.
 SCHEDULE:..... (ORIGINAL) INCREASE SIMULATOR TRAINING 09/80.
 ACCOMPLISHMENTS:.. (CURRENT) SEE CURRENT STATUS.
 CURRENT STATUS:... PART OF ROUTINE PROGRAM.
 ISSUES:..... IE HAS RECOMMENDED DELETING THIS ITEM FROM THE ACTION PLAN (MEMO OF 11/27/81).
 NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
IV.D.1 (3)	2	ACTIVE	GREEN	YES	FY81	12/15/81	ADM	PETER GOLDMAN	28259	MDTS		*
TITLE:.....			NRC STAFF TRAINING (ADM)									
PURPOSE:.....			NRC HAS IDENTIFIED RELEVANT GRADUATE-LEVEL EDUCATION AND WILL FUND SUCH EDUCATION AS MASTER'S DEGREE PROGRAMS.									
SCHEDULE:.....			(ORIGINAL) THE DEGREE PROGRAMS ARE CURRENTLY FUNDED.									
ACCOMPLISHMENTS:..			MULTI-DISCIPLINARY TRAINING PROVIDED IN HUMAN FACTORS AND SYSTEMS SAFETY TO APPROXIMATELY 120 PROFESSIONALS.									
CURRENT STATUS:...			MULTI-DISCIPLINARY AND OTHER TECHNICAL TRAINING AND EDUCATION BEING BROUGHT ON-SITE ON A CONTINUING BASIS.									
ISSUES:.....			NONE									
COMMISSION ACTION:			NOTE IDENTIFIED PROGRAMS.									

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
IV.D.1 (4)	2	ACTIVE	GREEN	YES	FY81	12/15/81	ADM	PETER GOLDMAN	28259	MDTS		*
TITLE:.....			NRC STAFF TRAINING (ADM)									
PURPOSE:.....			NRC IS DEVELOPING THE ALTERNATIVES AVAILABLE TO OBTAIN QUALIFIED TECHNICAL PERSONNEL IN A CLIMATE OF HEAVY COMPETITION AND LIMITED UNIVERSITY OUTPUT OF GRAD LEVEL NE'S AND HP'S									
SCHEDULE:.....			(ORIGINAL) COMMISSION PAPER TO BE PRESENTED BY ADM ON RECRUITMENT & EDUCATION OF COLLEGE GRADUATES IN LATE 1980.									
ACCOMPLISHMENTS:..			SECY-80-331 REVIEWED 09/25/80. ORAU TO CONDUCT PROGRAM REVIEW AND DESIGN.									
CURRENT STATUS:...			ORAU HAS STRUCTURED FINAL ALTERNATIVE TRAINEESHIP PROGRAM. OELD DETERMINED LEGAL AUTHORITIES EXIST TO CONDUCT SUCH A PROGRAM AND OBTAIN GOVERNMENT SERVICE OBLIGATION WITHOUT SEEKING NEW STATUTORY AUTHORITY. MOST UNIVERSITIES SUPPORT NRC EFFORTS AND ARE ACTIVELY CONTRIBUTING TO THE ORAU EFFORT. ORAU HAS PROVIDED NRC WITH 3 SCENARIOS TO OBTAIN MS (NE'S), MS (ENGR. W/NUC. OPTION) AND MS (HP) WITH ASSOCIATED COSTS. EDO MEMO PROVIDING COMMISSION WITH STATUS REPORT FORWARDED 06/28/81 WITH RECOMMENDATION TO DEFER ACTION AND FUNDING TO FY82. FINAL STATUS REPORT PROVIDED TO DEDO 10/81. STATUS ON HOLD PENDING EDO DECISION TO FORWARD TO COMMISSION.									
ISSUES:.....			APPROX. \$2.5M COST FIRST YEAR AND 100 POSITIONS AT STARTUP. \$3.7M AND 200 POSITIONS "STEADY STATE".									
COMMISSION ACTION:			CONTINUE TO REVIEW STATUS AND BUDGET IMPLICATIONS SET-ASIDE ITEMS FOR "GROW-OUR-OWN" PROGRAM. DECIDE WHETHER TO SUPPORT WHEN OPTIONS PRESENTED BY EDO.									

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
IV.E.1	-	ACTIVE	GREEN	NO	09/83	01/15/82	RES	PAT RATHBUN	35981	DRA	RABR	*
TITLE:	EXPAND RESEARCH ON QUANTIFICATION OF SAFETY DECISION-MAKING (RES)											
PURPOSE:	TO DEVELOP TECHNIQUES IN ORDER TO OBJECTIFY, SYSTEMATIZE AND QUANTIFY SAFETY DECISION-MAKING, INCLUDING SAFETY-COST TRADE OFFS FOR NUCLEAR REGULATION.											
SCHEDULE:	(ORIGINAL) PUBLISHED NUREG/CR-1614, "APPROACHES TO ACCEPTABLE RISK: A CRITICAL GUIDE" 9/80. (CURRENT) PUBLISHED NUREG/CR-1539, "A METHODOLOGY AND A PRELIMINARY DATA BASE FOR EXAMINING THE HEALTH RISKS OF ELECTRICITY GENERATION FROM URANIUM AND COAL FUELS: 8/80.											
ACCOMPLISHMENTS:	COMPLETED THREE NUREGS ON VARIOUS PHASES OF THE NUMERICAL RISK CRITERIA PROGRAM.											
CURRENT STATUS:	4 LABS (PNL, ORNL, BNL, ANL), THE IEEE POWER ENGINEERING SOCIETY, THE NRC OFFICE OF POLICY EVALUATION, AND THE ACRS ARE ACCOMPLISHING VARIOUS ELEMENTS OF THE OVERALL PROGRAM. THESE ACTIVITIES WILL DEVELOP AND EXHIBIT APPROACHES TO BETTER FACTOR RISK (SAFETY) INTO NRC DECISION MAKING.											
ISSUES:												
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
IV.E.2	2	COMPLETE	YES		FY82	01/05/82	NRR	R. MILSTEAD	28966	DSI	SPEB	040042 *
TITLE:	PLAN FOR EARLY RESOLUTION OF SAFETY ISSUES (NRR)											
PURPOSE:	THE PURPOSE IS TO DEVELOP A PLAN WHOSE MAJOR ELEMENTS INCLUDE IDENTIFICATION OF POSSIBLE SAFETY ISSUES, REALISTIC EVALUATION OF THE ISSUE, AND A MANAGEMENT AND QUALITY ASSURANCE PLAN TO ASSURE EFFECTIVE IMPLEMENTATION.											
SCHEDULE:	(ORIGINAL) (1) DRAFT PLAN FOR NRR MANAGEMENT REVIEW 09/01/80; (2) RECOMMENDED PLAN FOR COMMISSION REVIEW 10/31/80; (3) FINAL PLAN THAT INCORPORATES COMMISSION COMMENTS 01/16/81. (CURRENT) COMMISSION IS REQUESTED TO APPROVE THE WORK FLOW PROCESS SUBMITTED IN PLAN. NRR WILL IMPLEMENT PLAN FOLLOWING COMMISSION APPROVAL. FINAL PLAN THAT INCLUDES COMMISSION COMMENTS 10/17/81.											
ACCOMPLISHMENTS:	PLAN, IN THE COMMISSION PAPER SECY-81-513, WAS SUBMITTED ON 08/25/81.											
CURRENT STATUS:	COMPLETE.											
ISSUES:	NONE IDENTIFIED AT THIS TIME.											
COMMISSION ACTION:	REVIEWED AT MEETING ON 09/02/81.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
IV.E.3	3	INACTIVE	GREEN	NO	FY82	11/20/81	RES NRR	WILLIAM CAMPBELL WARREN MINNERS	35981 27581	DRA DST	RAB	99018
TITLE:	PLAN FOR RESOLVING ISSUES AT CONSTRUCTION PERMIT STAGE (RES)											
PURPOSE:	THE PURPOSE OF THE EFFORT IS TO DETERMINE IF THE LICENSING PROCESS CAN BE MADE MORE EFFICIENT BY RESOLVING ISSUES AT THE CP STAGE. THE SCOPE WILL CONSIDER FIVE ALTERNATIVES LISTED IN THE ACTION PLAN.											
SCHEDULE:	(ORIGINAL) NO SCHEDULE YET ESTABLISHED. (CURRENT) FY82 OR LATER. SUBMIT PROPOSED RULE APRIL 10, 1981.											
ACCOMPLISHMENTS:	ADVANCED NOTICE OF RULEMAKING PUBLISHED IN FR (DEC 1980). PUBLIC COMMENT PERIOD ENDED 02/09/81.											
CURRENT STATUS:	ON 08/18/81, DIRECTOR, DRA, SENT MEMO TO DIST. LIST (52) PROPOSING AN APPROACH TO THE RULE AND REQUESTED EXAMPLES.											
ISSUES:												
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
IV.E.4	2	ACTIVE	GREEN	NO	01/82	01/15/82	RES NRR	LOUIS FRANK KARL KNIEL	35903 27141	DET DSF	MEB GIB	
TITLE:	RESOLVE GENERIC ISSUES BY RULEMAKING (RES)											
PURPOSE:	TO ESTABLISH CRITERIA FOR IDENTIFYING CANDIDATE SAFE ISSUES FOR RULEMAKING PROCEDURES.											
SCHEDULE:	(ORIGINAL) PRELIMINARY PROGRAM FOR REVIEW OF NEW ISSUES FOR DESIRABILITY OF RULEMAKING 01/81. COMPLETION OF PROGRAM 01/82. (CURRENT) SAME											
ACCOMPLISHMENTS:	INITIAL DRAFT COMPLETE - 01/81.											
CURRENT STATUS:	DRAFT UNDER REVIEW BY GENERIC ISSUES BRANCH (NRR); STILL AWAITING COMMENTS.											
ISSUES:	NONE											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
IV.E.5	2	ACTIVE	GREEN	YES	FY89	01/15/82	NRR	TED MICHAELS	28935	DL	SEPB	040048
TITLE:	ASSESS CURRENTLY OPERATING REACTORS (NRR)											
PURPOSE:	DEVELOPMENT OF A PLAN FOR THE SYSTEMATIC ASSESSMENT AND DOCUMENTATION OF THE SAFETY OF ALL OPERATING REACTORS. PLAN WILL INTEGRATE SEP, IREP, ACRS COMMENTS, ON-GOING TMI LESSONS LEARNED AND REQUIREMENTS OF SECTION 110 OF THE FY 80 AUTHORIZATION BILL.											
SCHEDULE:	(ORIGINAL) 90 DAY STATUS REPORT TO CONGRESS 9/28/80; (2) ISSUANCE OF COMPREHENSIVE PLAN PENDING COMMISSION DECISION; PROGRAM COMPLETION FY89. (CURRENT) SAME											
ACCOMPLISHMENTS:	DRAFT PLAN OF THE INTEGRATED PROGRAM TO ASSESS THE SAFETY OF ALL OPERATING REACTORS WAS SUBMITTED TO THE COMMISSION ON 2/17/81; 90-DAY STATUS REPORT SUBMITTED.											
CURRENT STATUS:	IMPLEMENTATION PENDING COMMISSION DECISION OF NREP AND SEP III (PLAN FOR IMPLEMENTATION DUE JULY 82).											
ISSUES:	NONE											
COMMISSION ACTION:	COMMISSION DECISION WAS MADE NOT TO IMPLEMENT THE STAFF'S PROPOSED PLAN WITH RESPECT TO SECTION 110. STAFF'S PROPOSAL FOR SEP PHASE III AND NREP WAS APPROVED AS PART OF THE BUDGET PROCESS FOR RESOURCE PLANNING ONLY.											

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
IV.F.1	3	COMPLETE	NO		05/80	12/18/81	IE	JAMES SNIEZEK	28098	NRR		
TITLE:.....	INCREASED IE SCRUTINY OF POWER ASCENSION TEST PROGRAM (IE)											
PURPOSE:.....	INCREASE IE AND NRR INSPECTION OF POWER ASCENSION PHASE TO ASSURE FULL ATTENTION PAID TO SAFETY AND THAT ECONOMIC INCENTIVES OF FULL POWER OPERATION DO NOT DETRACT FROM SAFE AND COMPREHENSIVE TESTING. ALL TESTS ON ALL SHIFTS WILL BE WITNESSED BY NRC PERSONNEL.											
SCHEDULE:.....	(ORIGINAL) DEVELOP INSPECTION REQUIREMENTS (05/80) COMMENCE INSPECTION WHEN FACILITY STARTUP TESTING BEGINS. (CURRENT) SCHEDULE PER EACH PLANTS STARTUP SCHEDULE.											
ACCOMPLISHMENTS:..	INSPECTION REQUIREMENTS ISSUED IN MAY 1980. INSPECTIONS IN PROGRESS AT APPROPRIATE PLANTS.											
CURRENT STATUS:...	COMPLETE. REPORTED TO EDO (MEMO OF 12/19/80).											
ISSUES:.....	NONE											

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
IV.F.2	3	COMPLETE	NO		FY81	08/07/81	NRR	ROBERT WOOD	28336	DE	UFB	042407
TITLE:.....	EVALUATE THE IMPACTS OF FINANCIAL DISINCENTIVES TO THE SAFETY OF NUCLEAR POWER PLANTS											
PURPOSE:.....	EVALUATE POSSIBLE FINANCIAL DISINCENTIVES TO SAFETY AND RECOMMEND AND EFFECTUATE SOLUTIONS TO THEM.											
SCHEDULE:.....	(ORIGINAL) INITIATION DATE: JUNE 1980; CONTACTS WITH REGULATORY BODIES - JULY - DEC. 1980; FINAL STAFF REPORT - JULY 1981. (CURRENT) SAME											
ACCOMPLISHMENTS:..	INFORMATION PAPER (SECY-81-168B) SENT TO COMMISSION 07/13/81.											
CURRENT STATUS:...	COMPLETE.											
ISSUES:.....	NONE											

CHAPTER...	PR	STATUS...	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME...	PHONE	DIVSN	BRANCH	TACS #
IV.G.1	3	COMPLETE	NO		10/81	12/15/81	ADM	JOHN PHILIPS	27086		RFB	
TITLE:.....	DEVELOP A PUBLIC AGENDA FOR RULEMAKING											
PURPOSE:.....	DEVELOP AND PUBLISH IN THE FEDERAL REGISTER A SEMI-ANNUAL REPORT OF ALL COMMISSION REGULATIONS UNDER DEVELOPMENT OR REVIEW. EACH AGENDA SHALL DESCRIBE THE NEED FOR AND LEGAL BASIS FOR EACH REGULATION, INDICATE THE STATUS OF EACH REGULATION ON THE AGENDA OR PREVIOUS EDITIONS OF THE AGENDA UNTIL ISSUANCE OF THE FINAL RULE.											
SCHEDULE:.....	(ORIGINAL) DECISION GROUP D ITEM (CURRENT) PLAN TO DEVELOP AND PUBLISH AN AGENDA BY 10/83.											
ACCOMPLISHMENTS:..	THE FIRST SEMI-ANNUAL REGULATORY AGENDA WAS PUBLISHED IN THE FEDERAL REGISTER ON 10/29/81. IT WILL BE UPDATED QUARTERLY AND APPEAR IN THE FEDERAL REGISTER EACH APRIL AND OCTOBER.											
CURRENT STATUS:...	COMPLETED.											
ISSUES:.....	NONE											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
IV.G.2	3	ACTIVE	GREEN	YES	FY85	11/20/81	RES	PAT RATHBUN	35981	DRA	RAB	WM1058 *
TITLE:	PERIODIC AND SYSTEMATIC REEVALUATION OF EXISTING RULES (RES)											
PURPOSE:	TO COORDINATE AND ASSURE THE COMPLETION OF A PERIODIC AND SYSTEMATIC REEVALUATION OF EXISTING NRC REGULATIONS WITH RESPECT TO SAFETY ISSUES AND TO REVIEW NRC RULES FOR CONTENT, QUALITY AND CLARITY INITIALLY CONCENTRATING ON RULES AFFECTED BY TMI. REVIEW PROCESS TO INCLUDE COORDINATION WITH THE REGULATORY FLEXIBILITY ACT PUBLIC LAW 96-354 AND THE BINGHAM ACT REVIEW (PL 96-295 SECTION 110). THE SCHEDULE IS COORDINATED WITH ESTABLISHED PLANS FOR REVIEW OF PARTS AND SUB-PARTS OF 10 CFR CHAPTER I.											
SCHEDULE:	(ORIGINAL) SCHEDULE WILL BE ESTABLISHED IN NORMAL NRC BUDGETARY PROCESS. (CURRENT) COMPLETE IN FIVE YEARS											
ACCOMPLISHMENTS:	COMMISSION PAPER FORWARDED TO COMMISSION 12/30/80. TRACKING SYSTEM DEVELOPED AND UNDERGOING UPDATE. INTERIM GUIDANCE TRANSMITTED TO STAFF BY REGULATIONS COORDINATING COMMITTEE.											
CURRENT STATUS:	IMPLEMENTATION OF REVIEW PROCEDURES FOR ALL FORTHCOMING RULEMAKINGS											
ISSUES:	PROCEDURES MAY BE SUBJECT TO CHANGE BASED UPON INTERPRETATION OF EXECUTIVE ORDER 12291 "FEDERAL REGULATION".											
COMMISSION ACTION:	REVIEW											
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.											

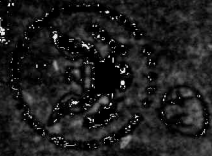
CHAPTER	PR	STATUS	FLAG	ACTION	COMP DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
IV.G.3	3	INACTIVE	GREEN	NO	FY82	11/20/81	RES	PAT RATHBUN	35981	DRA	RAB	*
TITLE:	IMPROVE RULEMAKING PROCEDURES											
PURPOSE:	NRC WILL REEVALUATE RULEMAKING PROCEDURES TO ENSURE RULES AND REGULATIONS ARE PROPERLY FOCUSED ON SAFETY ISSUES AND THAT PROCEDURES ARE CLEAR, UNDERSTANDABLE, EFFICIENT, AND WELL-PUBLICIZED.											
SCHEDULE:	(ORIGINAL) SCHEDULE WILL BE ESTABLISHED IN NORMAL NRC BUDGETARY PROCESS.											
ACCOMPLISHMENTS:	NONE											
CURRENT STATUS:	NONE											
ISSUES:	NONE											
NOTE:	SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.											

CHAPTER	PR	STATUS	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
IV.G.4	3	INACTIVE	GREEN	NO	FY82	11/20/81	RES	PAT RATHBUN	35981	DRA	RAB		*
TITLE:..... STUDY ALTERNATIVES FOR IMPROVED RULEMAKING PROCESS													
PURPOSE:..... MEANS TO ENHANCE THE COMMISSION'S RULEMAKING EFFORTS HAVE BEEN ADDRESSED IN NUREG-0499 (12/78) IN SUPPLEMENT 1, AND IN THE OGC/OPE MEMORANDUM TO THE COMMISSION ON "REVIEW OF DELEGATIONS OF AUTHORITY WITHIN THE NRC" (10/04/79). PROCEDURES ARE BEING DEVELOPED TO EFFECT DELEGATION OF SUBSTANTIAL RULEMAKING AUTHORITY TO SD (RES). (ORIGINAL) SCHEDULE WILL BE ESTABLISHED IN NORMAL NRC BUDGETARY PROCESS.													
SCHEDULE:..... (ORIGINAL) SCHEDULE WILL BE ESTABLISHED IN NORMAL NRC BUDGETARY PROCESS.													
ACCOMPLISHMENTS:.. NONE													
CURRENT STATUS:... NONE													
ISSUES:..... NONE													
NOTE..... SCHEDULE CHANGE PENDING BEFORE COMMISSION IN RESPONSE TO DIRCKS 11/04/81 MEMO.													

CHAPTER	PR	STATUS	FLAG	ACTION	COMP	DATE	REVISED	OFFICE	CONTACT'S NAME	PHONE	DIVSN	BRANCH	TACS #
IV.H	3	COMPLETE	NO	ONGOING	11/20/81	RES	FRANK ARSENAULT	74350	DHSWM				*
TITLE:..... NRC PARTICIPATION IN THE RADIATION POLICY COUNCIL													
PURPOSE:..... ATTEND MEETINGS OF THE COUNCIL; ATTEND MEETINGS OF THE WORKING GROUP THAT SUPPORTS THE COUNCIL; CARRY OUT PRESIDENT'S REQUEST FOR NRC PARTICIPATION ON THE RADIATION POLICY COUNCIL.													
SCHEDULE:..... (ORIGINAL) NOT APPLICABLE - THIS IS A CONTINUING COMMITMENT.													
ACCOMPLISHMENTS:.. AS INDICATED IN THE COUNCIL'S FIRST PROGRESS REPORT WHICH WAS SUBMITTED TO THE PRESIDENT ON 09/30/80, THE RPC HAS CONDUCTED REVIEWS OF SPECIFIC RADIATION PROTECTION POLICY ISSUES AND HAS ADOPTED A PRELIMINARY AGENDA FOR 1981-1983.													
CURRENT STATUS:... RPC NOT FUNDED FOR FY82. COUNCIL NOT FUNCTIONING AND IS SLATED FOR ABOLITION BY MEANS OF A NEW EXECUTIVE ORDER.													
ISSUES:.....													

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REINHOLD SEISS, JEREMY DENNIS



UNRESOLVED SAFETY ISSUES SUMMARY

AQUA BOOK

Manuscript Completed: May 1982
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Prepared for: OFFICE OF RESOURCE MANAGEMENT

Prepared by: OFFICE OF RESOURCE MANAGEMENT
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555



FOREWORD

THE "UNRESOLVED SAFETY ISSUES" SUMMARY IS DESIGNED TO PROVIDE THE MANAGEMENT OF THE NUCLEAR REGULATORY COMMISSION WITH A QUARTERLY OVERVIEW OF THE PROGRESS AND PLANS FOR COMPLETION OF GENERIC TASKS ADDRESSING "UNRESOLVED SAFETY ISSUES" REPORTED TO CONGRESS PURSUANT TO SECTION 210 OF THE ENERGY REORGANIZATION ACT OF 1974 AS AMENDED. THIS SUMMARY UTILIZES DATA COLLECTED FROM THE OFFICE OF NUCLEAR REACTOR REGULATION, OFFICE OF NUCLEAR REGULATORY RESEARCH, AND THE NATIONAL LABORATORIES AND IS PREPARED BY THE OFFICE OF RESOURCE MANAGEMENT.

THE DEFINITION OF WHAT CONSTITUTES COMPLETION OF AN UNRESOLVED SAFETY ISSUE (USI) HAS RECENTLY BEEN EXPANDED TO INCLUDE THE IMPLEMENTATION OF THE TECHNICAL RESOLUTION. THIS IS IN ACKNOWLEDGEMENT OF THE FACT THAT REAL SAFETY BENEFITS OCCUR ONLY AFTER THE IMPLEMENTATION HAS TAKEN PLACE. IMPORTANT ELEMENTS OF THIS IMPLEMENTATION PHASE ARE:

1. THE PROVISION OF A PUBLIC COMMENT PERIOD FOLLOWING THE ISSUANCE OF A DRAFT NUREG REPORT INCORPORATING THE STAFF'S TECHNICAL RESOLUTION FOLLOWED BY A DISCUSSION AND DISPOSITION OF THE COMMENTS RECEIVED IN A FINAL NUREG REPORT.
2. THE PROVISION FOR INCORPORATION OF THE TECHNICAL RESOLUTION INTO THE NRC'S REGULATIONS, STANDARD REVIEW PLAN, REGULATORY GUIDES, OR OTHER NRC OFFICIAL GUIDANCE OR REQUIREMENTS AS APPROPRIATE.
3. THE PROVISION FOR APPLICATION OF THE TECHNICAL RESOLUTION TO INDIVIDUAL OPERATING PLANTS IN THE FORM OF HARDWARE OR DESIGN CHANGES, TECHNICAL SPECIFICATION CHANGE, AND/OR CHANGE TO OPERATING PROCEDURES AS APPROPRIATE.

THE SCHEDULES IN THIS BOOK INCLUDE A MILESTONE AT THE END OF EACH ACTION PLAN WHICH REPRESENTS THE INITIATION OF THE IMPLEMENTATION PROCESS BOTH WITH RESPECT TO INCORPORATION OF THE TECHNICAL RESOLUTION IN THE NRC OFFICIAL GUIDANCE OR REQUIREMENTS AND ALSO THE APPLICATION OF CHANGES TO INDIVIDUAL OPERATING PLANTS. THE SCHEDULE FOR IMPLEMENTATION WILL NOT NORMALLY BE INCLUDED IN THE TASK ACTION PLAN(S) FOR THE RESOLUTION OF A USI SINCE THE NATURE AND EXTENT OF THE ACTIVITIES NECESSARY TO ACCOMPLISH THE IMPLEMENTATION CANNOT NORMALLY BE REASONABLY DETERMINED PRIOR TO THE DETERMINATION OF A TECHNICAL RESOLUTION. THE PROGRESS AND STATUS FOR IMPLEMENTATION OF UNRESOLVED SAFETY ISSUES FOR WHICH A TECHNICAL RESOLUTION HAS BEEN COMPLETED ARE REPORTED SPECIFICALLY IN A SEPARATE TABLE PROVIDED IN THIS SUMMARY.

KARL KNIEL, CHIEF OF THE GENERIC ISSUES
FOR MANAGING THE GENERIC TASKS INCLUDED 1

DIVISION OF SAFETY TECHNOLOGY/NRR, IS RESPONSIBLE
SUMMARY.

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ABBREVIATIONS

AAB:	Accident Analysis Branch (Former NRR Branch)	EEB:	Environmental Engineering Branch, Division of Engineering (NRR)
AB:	Administration Branch, Training and Administration Staff (IE)	EFPY:	Effective Full-Power Years
AC:	Alternating Current	EG&G:	Edgerton, Germeshausen & Grier
ACRS:	Advisory Committee on Reactor Safeguards	EP:	Emergency Preparedness
AD:	Assistant Director	EPRI:	Electric Power Research Institute
ADB:	Analysis and Development Branch, Division of Reactor Safety Research (RES)	EQB:	Equipment Qualification Branch, Division of Engineering (NRR)
AEB:	Accident Evaluation Branch, Division of Systems Integration (NRR)	FIN:	Financial
AEOD:	Office of the Analysis and Evaluation of Operational Data	FIRL:	Franklin Institute Research Laboratories
AIF:	Atomic Industrial Forum	FSI:	Fluid Structure Interaction
APTS:	Action Plan Tracking System	FSTF:	Full-Scale Test Facility
ARL:	Alden Research Laboratory	FW:	Feedwater
ASB:	Auxiliary Systems Branch, Division of Systems Integration (NRR)	GB:	Geosciences Branch, Division of Engineering (NRR)
ASME:	American Society of Mechanical Engineers	GE:	General Electric
ASTM:	American Society of Testing Materials	GIB:	Generic Issues Branch, Division of Safety Technology (NRR)
ATWS:	Anticipated Transient Without Scram	HFEB:	Human Factors Engineering Branch, Division of Health, Siting and Waste Mgmt. (RES)
B&W:	Babcock and Wilcox Company	HFS:	Division of Human Factors Safety (NRR)
BNC:	Brookhaven National Conservatory	HSST:	Heavy Section Steel Technology
BNL:	Brookhaven National Laboratory	ICBR:	Instrumentation and Control Branch, Division of Facility Operations (RES)
BOP:	Balance of Plant	ICSB:	Instrumentation and Control Systems Branch, Division of Systems Integration (NRR)
BWR:	Boiling Water Reactor	IE:	Office of Inspection and Enforcement
CE:	Combustion Engineering, Incorporated	IEEE:	Institute of Electrical and Electronics Engineers
CEB:	Chemical Engineering Branch, Division of Engineering (NRR)	INEL:	Idaho Nuclear Engineering Laboratory
CFR:	Code of Federal Regulations	IREP:	Integrated Reliability Evaluation Program
CO:	Condensation Isolation	ISI:	In-Service Inspection
CP:	Construction Permit	LER:	Licensee Event Report
CPB:	Core Performance Branch, Division of Systems Integration (NRR)	LGB:	Licensing Guidance Branch, Division of Safety Technology (NRR)
CR:	Contractor Report	LLL:	Lawrence Livermore Laboratory
CRGR:	Committee for Review of Generic Requirements	LOCA:	Loss-of-Coolant Accident
CSB:	Containment Systems Branch, Division of Systems Integration (NRR)	LPP:	Lead Plant Program
DC:	Direct Current	LTP:	Long Term Program
DE:	Division of Engineering (NRR)	LWR:	Light-Water Reactor
DFO:	Division of Facility Operations (RES)	MARK I-III:	Containment Types for Boiling Water Reactors
DHFS:	Division of Human Factors Safety (NRR)	MEB:	Mechanical Engineering Branch, Division of Engineering (NRR)
DHRS:	Decay Heat Removal System	MEBR:	Materials Engineering Branch, Division of Engineering Technology (RES)
DL:	Division of Licensing (NRR)	MIT:	Massachusetts Institute of Technology
DOE:	U. S. Department of Energy	MMRB:	Metallurgy and Materials Branch, Division of Reactor Safety Research (RES)
DOR:	Division of Operating Reactors (Former NRR Division)	MSLB:	Main Steam Line Break
DRA:	Division of Risk Analysis (RES)	MTEB:	Materials Engineering Branch, Division of Engineering (NRR)
DSI:	Division of Systems Integration (NRR)	NDE:	Non-Destructive Examination
DSS:	Division of Systems Safety (Former NRR Division)	NREP:	Neutron Resonance Escape Probability
DST:	Division of Safety Technology (NRR)	NRL:	Naval Research Laboratory
E:	Engineering	NRR:	Office of Nuclear Reactor Regulation
EB:	Enforcement Branch, Enforcement and Investigations Staff (IE)	NSS:	Nuclear Steam System
ECC:	Emergency Core Cooling	NUREG:	Nuclear Regulation

ABBREVIATIONS

OG:	Owner's Group	STP:	Short-term Program
OL:	Operating License	TAP:	Task Action Plan
ORAB:	Operating Reactors Assessment Branch, Division of Licensing (NRR)	TH:	Hot Leg Temperature
ORB:	Operating Reactors Branch, Division of Licensing (NRR)	TM:	Task Manager
ORNL:	Oak Ridge National Laboratory	TMI:	Three Mile Island
OSD:	Office of Standards Development (Former NRC Office)	USI:	Unresolved Safety Issue
OTSG:	Once-Through Steam Generator	W:	Westinghouse Electric Corporation
PASHY:	Power Authority of the State of New York	WH:	Water Hammer
PNL:	Pacific Northwest Laboratory (Battelle)	WUTA:	Washington University Technology Associates
PS:	Plant Systems		
PSB:	Power Systems Branch, Division of Systems Integration (NRR)		
PSU:	Plant Systems Unit (AEOD)		
PSYB:	Plant Systems Branch (Former NRR Branch)		
PTRB:	Procedures and Test Review Branch, Division of Human Factors Safety (NRR)		
PWR:	Pressurized Water Reactor		
Q:	Quality Control or Assurance		
RAB:	Radiological Assessment Branch, Division of Systems Integration (NRR)		
RCIC:	Reactor Core Isolation Cooling		
REF:	Reference		
RES:	Office of Nuclear Regulatory Research		
RFP:	Request for Proposal		
RHR:	Residual Heat Removal		
RPV:	Reactor Pressure Vessel		
PRA:	Probability and Risk Assessment		
RRAB:	Reliability and Risk Assessments Branch (NRR)		
RRRC:	Regulatory Requirements Review Committee		
RS:	Reactor Safety (Former NRR Branch)		
RSB:	Reactor Systems Branch, Division of Systems Integration (NRR)		
RSR:	Reactor Safety Research		
RSSMAP:	Reactor Safety Study Methodology Application Program		
SCC:	Stress-Corrosion Cracking		
SEB:	Structural Engineering Branch, Division of Engineering (NRR)		
SEP:	Systematic Evaluation Program		
SEPB:	Systematic Evaluation Program Branch, Division of Licensing (NRR)		
SER:	Safety Evaluation Report		
SG:	Steam Generator		
SGWH:	Steam Generator Water Hammer		
SNL:	Sandia National Laboratory		
SRP:	Standard Review Plan		
SRV:	Safety Relief Valve		
SSE:	Safe Shutdown Earthquake		
SSPB:	Standards Special Projects Branch (NRR)		

PROGRAM OVERVIEW
PROJECTED DATES FOR ISSUING NRC STAFF REPORTS

Key:
 (1) LPP - Lead Plant Program
 (2) LTP - Long Term Program
 N/S - Not Scheduled

<u>USI NO.</u>	<u>TITLE</u>	<u>FEB. 19, 1982 AQUA BOOK</u>	<u>CURRENT</u>	<u>REMARKS</u>
X A-1,	Water Hammer	June 1, 1983*	August 1, 1983*	NUREG/CR-2059 re: actual and suspected water hammer events has been submitted for publication. Quadrex has submitted a report evaluating LWR systems which have experienced water hammer, analyzed causes and developed recommendations to reduce or eliminate water hammer.
A-3, A-4, A-5,	Steam Generator Tube Integrity	February 1, 1983*	March 30, 1983*	The draft NUREG report has been reviewed by the technical branches and their comments incorporated. The report is being prepared for management review and then will be issued for public comment.
X A-7,	Mark I Long Term Program	Supplement- March 31, 1982	Supplement- June 1, 1982	This issue is considered complete since the final NUREG was issued July 1980 and confirmatory orders implementing the findings in NUREG 0661 were issued on January 13, 1981 for 22 operating BWRs with Mark I containments. However, BNL has reviewed three confirmatory issues for an SER supplement and issued a draft report for NRR review. The NRR supplement is scheduled to be issued June 1, 1982.
X A-11,	Reactor Vessel Materials Toughness	June 22, 1982*	October 15, 1982*	NUREG-0774 Vols. I and II has been completed and was issued for public comment in September 1981. The comment period ended November 27, 1981. Many comments were received and were incorporated as appropriate. The final NUREG is being prepared for CRGR review.

*Part or all the schedule slippage for this task reflects additions to the milestone schedules to provide for review by the Committee for Review of Generic Requirements. (See individual schedules for details.)

PROGRAM OVERVIEW
PROJECTED DATES FOR ISSUING NRC STAFF REPORTS

<u>USI NO.</u>	<u>TITLE</u>	<u>Feb. 19, 1982 AQUA BOOK</u>	<u>CURRENT</u>	<u>REMARKS</u>
A-12,	Steam Generator & Reactor Coolant Pump Supports	July 19, 1982*	November 15, 1982*	Meetings were held with EPRI and Industry groups in December 1980, to resolve use of fracture mechanics methods for qualification of supports. NRC reviewer's comments on the final NUREG-0577 were not received until mid-January 1982, causing a delay in issuing the final report. Comments made by EPRI and the AIF subcommittee on material requirements have been incorporated into the final NUREG.
X A-17,	Systems Interactions	See Item II.C.3 in Action Plan Tracking System	See Item II.C.3 in Action Plan Tracking System	Work planned under TAP A-17 will be performed under TMI Action Plan item II.C.3, Systems Interaction. The status of this item is reported in the quarterly updates of the TMI Action Plan Tracking System (APTS).
X A-39,	SRV Pool Dynamic Loads	Mark II-June 15, 1982* Mark III-June 15, 1982*	Mark II-July 15, 1982* Mark III-July 15, 1982*	NUREG-0763 on in-plant SRV tests was completed and issued in June 1981. NUREG-0783 on Pool temperature limits was issued on October 26, 1981. NUREG-0802 on SRV Quencher loads and the NUREG on suppression pool temperature limits have been prepared and are under CRGR review.
X A-40,	Seismic Design Criteria	December 31, 1982*	May 15, 1983*	A draft report presenting staff position has been prepared and is under management review.
X A-43,	Containment Emergency Sump	April 1, 1983*	July 15, 1983*	The in-containment insulation survey is complete and NUREG/CR-2403 was issued in November 1981. ARL sump hydraulic tests have been completed. The final reports on plant insulation and particulate ingestion effects are expected in May 1982. A resolution NUREG is in the final stages of preparation and will undergo management concurrence in July 1982.

*Part or all the schedule slippage for this task reflects additions to the milestone schedules to provide for review by the Committee for Review of Generic Requirements. (See individual schedules for details.)

PROGRAM OVERVIEW
PROJECTED DATES FOR ISSUING NRC STAFF REPORTS

<u>USI NO.</u>	<u>TITLE</u>	<u>Feb. 19, 1982 AQUA BOOK</u>	<u>CURRENT</u>	<u>REMARKS</u>
X A-44,	Station Blackout	June 30, 1983*	October 15, 1983*	Technical Assistance Contracts with ORNL and Sandia have been issued. A request for information on Diesel Generator reliability was sent to all licensees in July 1981; responses from licensees have been received. Draft contractor technical reports were provided in May 1982.
X A-45,	Shutdown Decay Heat Removal Requirements	N/S	September 30, 1985	A Task Action Plan was issued on October 7, 1981. Funding for technical assistance on A-45 has been approved. A "HOLD" was placed on this program in Nov. 1981. A technical assistance contract package was approved on April 9, 1982 and implemented with Sandia on May 10, 1982.
X A-46,	Seismic Qualification of Equipment in Operating Plants	N/S	May 1, 1985	This program was redirected to be made compatible with the Equipment Qualification Program Plan. The final Task Action Plan has been issued. Work has been initiated on all tasks with all contractors well into their first subtasks.
X A-47,	Safety Implications of Control Systems	N/S	N/S	A revised draft Task Action Plan was issued in April 1982 for staff concurrence and approval. Management approval of the Task Action Plan is expected by June 1, 1982. Technical Assistance contracts have been established with ORNL and INEL.
X A-48,	Hydrogen Control Measures and Hydrogen Burns on Safety Equipment	N/S	N/S	A Task Manager has been selected. A draft Task Action Plan was issued on April 2, 1982 for NRC comments. Work has been suspended pending management decision on the scope of the TAP.
A-49,	Pressurized Thermal Shock	N/S	May 30, 1983	A-49 was designated by the Commission as an USI on December 28, 1981. The Task Action Plan was approved and issued on March 26, 1982. The draft short term position is under preparation.

*Part or all the schedule slippage for this task reflects additions to the milestone schedules to provide for review by the Committee for Review of Generic Requirements. (See individual schedules for details.)

USI'S FOR WHICH TECHNICAL RESOLUTION IS COMPLETE

<u>USI NO.</u>	<u>TITLE</u>	<u>DATE COMPLETED</u>	<u>REPORTS PUBLISHED</u>	<u>IMPLEMENTATION STATUS</u>	<u>IMPLEMENTATION TASK MANAGER/ TELEPHONE</u>
A-2.	ASYMMETRIC BLOWDOWN LOADS ON REACTOR PRIMARY COOLANT SYSTEMS	DEC. 1980	NUREG-0609	ALL PWR PLANT ASSESSMENTS FOR ASYMMETRIC LOADS HAVE BEEN RECEIVED AND ARE CURRENTLY BEING EVALUATED BY STAFF AND CONTRACTOR EG&G. AS A BASIS FOR THIS EVALUATION, STAFF IS IMPLEMENTING CRITERIA DEVELOPED AS PART OF THE TASK ACTION PLAN A-2. THESE CRITERIA ARE INCLUDED IN NUREG-0609. B&W AND CE OWNERS' GROUPS HAVE RESPONDED TO THE QUESTIONS RAISED AS A RESULT OF OUR INITIAL REVIEW OF THEIR SUBMITTALS ON THE ASSESSMENT OF THE PRIMARY SYSTEM COMPONENTS AND SUPPORTS TO ASYMMETRIC LOCA LOADS. THESE RESPONSES ARE CURRENTLY BEING REVIEWED AND THE REVIEW IS EXPECTED TO BE COMPLETED BY NOVEMBER 1983. THE WESTINGHOUSE OWNERS GROUPS EXPECT A RESOLUTION OF THIS ISSUE ON THE BASIS OF 'LEAK BEFORE BREAK' CRITERIA. AN INTERNAL REPORT, RECOMMENDING ACCEPTANCE OF THE 'LEAK BEFORE BREAK' CONCEPT ISSUED BY THE STAFF IN FEBRUARY 1981, HAS BEEN DISCUSSED WITH THE ACRS AND IS UNDER REVIEW BY NRC MANAGEMENT.	JIM SHEA 492-7231
X A-6.	MARK I SHORT TERM PROGRAM	DEC. 1977	NUREG-0408	COMPLETE - ALL PLANT UNIQUE ANALYSES AND EQUIPMENT MODIFICATIONS AS REQUIRED WERE REVIEWED AND ACCEPTED AND APPROPRIATE TECHNICAL SPECIFICATION CHANGES WERE MADE.	- - -

USI'S FOR WHICH TECHNICAL RESOLUTION IS COMPLETE

USI NO.	TITLE	DATE COMPLETED	REPORTS PUBLISHED	IMPLEMENTATION STATUS	IMPLEMENTATION TASK MANAGER/ TELEPHONE
X A-7,	MARK I LONG TERM PROGRAM	JULY, 1980	NUREG-0661	LICENSEES ARE IN THE PROCESS OF DESIGNING AND INSTALLING MODIFICATIONS TO MEET THE COMMISSION'S ORDER DATE FOR EACH OPERATING PLANT. THE LICENSEES ARE IN THE PROCESS OF PREPARING PLANT-UNIQUE ANALYSIS FOR SUBMITTAL TO THE STAFF FOR POST IMPLEMENTATION AUDIT REVIEW FOR COMPLIANCE WITH THE ACCEPTANCE CRITERIA CONTAINED IN APPENDIX A TO NUREG-0661. THREE LICENSEES/APPLICANTS HAVE SUBMITTED THEIR PLANT UNIQUE ANALYSIS TO DATE.	BYRON SIEGEL 492-7534
X A-8,	MARK II CONTAINMENT POOL DYNAMIC LOADS	AUGUST 1981	NUREG-0808	THE REQUIREMENTS RECOMMENDED IN NUREG-0808 ARE BEING IMPLEMENTED DURING THE OPERATING LICENSE REVIEW FOR EACH PLANT WITH A MARK II CONTAINMENT. THESE REQUIREMENTS WILL ALSO BE INCLUDED AS AN ADDITION TO THE APPROPRIATE SECTION OF THE STANDARD REVIEW PLAN.	
X A-9,	ATWS	SEPT. 1980	NUREG 0460, VOL. 4 46FR57521	TWO VERSIONS OF THE PROPOSED ATWS RULE HAVE BEEN ISSUED FOR COMMENT; THE STAFF VERSION AND AN ALTERNATE VERSION OF THE RULE PREPARED AT THE DIRECTION OF COMMISSIONER HENDRIE. FOLLOWING THE COMMENT PERIOD AND CONSIDERATION OF PUBLIC COMMENTS, A FINAL RULE WILL BE PREPARED FOR COMMISSION CONSIDERATION.	FRANK ROWSOME, RES 443-5913

USI'S FOR WHICH TECHNICAL RESOLUTION IS COMPLETE

USI NO.	TITLE	DATE COMPLETED	REPORTS PUBLISHED	IMPLEMENTATION STATUS	IMPLEMENTATION TASK MANAGER/ TELEPHONE
X A-10,	BWR FEEDWATER NOZZLE CRACKING	NOV. 1980	NUREG-0619	RESPONSES FROM LICENSEES TO AN IMPLEMENTATION LETTER HAVE BEEN RECEIVED AND RECOMMENDED TREATMENT OF THESE RESPONSES HAVE BEEN SUBMITTED TO NRC MANAGEMENT. ADDITIONAL INFORMATION HAS BEEN REQUESTED OF LICENSEES. IMPLEMENTATION ACTION IS PROCEEDING. THIRTEEN PLANTS HAVE RECEIVED LETTERS ACCEPTING THEIR PROPOSED MODIFICATION PLANS. NINE PLANTS ARE BEING REVIEWED AND NEGOTIATIONS ARE UNDER WAY TO OBTAIN LICENSEE COMMITMENTS TO IMPLEMENT ALL NUREG-0619 GUIDANCE. LACROSSE, BIG ROCK POINT, AND DRESDEN 1 DO NOT HAVE SUSCEPTIBLE PLANT SYSTEM CONFIGURATIONS AND ARE CONSIDERED COMPLETE WITH REGARD TO THIS ACTION. HUMBOLDT BAY, BY VIRTUE OF ITS STATUS (SHUTDOWN, NO FORSEEABLE RESTART), IS ALSO CONSIDERED COMPLETE.	PAUL O'CONNOR 492-7215
X A-24,	QUALIFICATION OF CLASS 1E SAFETY RELATED EQUIPMENT	AUG. 1981	NUREG-0588	THE NUREG REPORT WAS SUBMITTED TO THE PUBLISHER FOR PRINTING ON AUGUST 7, 1981. RESOLUTION OF PUBLIC COMMENTS AND ISSUANCE OF THE REVISED NUREG REPORT COMPLETES THE ACTIVITIES ON A-24. EQB HAS THE LEAD IN IMPLEMENTING THE POSITIONS IDENTIFIED IN THE REPORT.	JOSE CALVO 492-8563
A-26,	REACTOR VESSEL PRESSURE TRANSIENT PROTECTION	SEPT. 1978	NUREG-0224	ALL PLANTS WERE REQUESTED TO PROVIDE AN OVERPRESSURE PREVENTION SYSTEM THAT WOULD BE USED WHENEVER THE PLANT WAS IN A COLD SHUT-DOWN CONDITION. ALL PWRs IMPLEMENTED. FIR SYSTEMS WITH PRELIMINARY APPROVAL FROM THE NRC, AND A COMPLETE REVIEW TOOK PLACE ON A POST-IMPLEMENTATION BASIS. THE REVIEW CONSISTS OF THREE PARTS: A) ELECTRICAL ASPECTS; B) REACTOR SYSTEM ASPECTS; C) TECHNICAL SPECIFICATIONS. PLANTS REMAINING TO BE EVALUATED ARE BEING REVIEWED BY CONTRACT WITH EG&G. THIS INCLUDES NINE OF THE TWELVE REMAINING PLANTS. FOR THE OTHER THREE PLANTS, THE SER'S HAVE BEEN COMPLETED AND ARE IN THE PROCESS OF BEING ISSUED.	AL DEGAZIO 492-8945

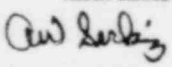
USI'S FOR WHICH TECHNICAL RESOLUTION IS COMPLETE

USI NO.	TITLE	DATE COMPLETED	REPORTS PUBLISHED	IMPLEMENTATION STATUS	IMPLEMENTATION TASK MANAGER/ TELEPHONE
X	A-31, RESIDUAL HEAT REMOVAL REQUIREMENTS	1978	NO FORMAL REPORT SRP 5.4.7 REVISION	RRRC APPROVED IMPLEMENTATION PLAN JANUARY 31, 1978. IMPLEMENTATION FOR OPERATING REACTORS NOT COMPLETE.	TOM NOVAK 492-7817
X	A-36, CONTROL OF HEAVY LOADS NEAR SPENT FUEL	JULY 1980	NUREG-0612	IMPLEMENTATION REQUIREMENTS WERE ISSUED TO ALL LICENSEES BY LETTER DATED DECEMBER 22, 1980. THE LETTER REQUESTED; INTERIM ACTIONS TO BE COMPLETED IN 90 DAYS. A PHASE I ACTION (REPORT, CONFIRMATION AND JUSTIFICATION) IN SIX MONTHS AND PHASE II (SPECIFIC REQUIREMENTS) IN NINE MONTHS. MOST LICENSEES HAVE RESPONDED TO THE DECEMBER 22, 1980 GENERIC LETTER AND THEIR RESPONSES ARE BEING EVALUATED. ABOUT NINE PLANTS HAVE REQUESTED EXTENSIONS TO THE SEPTEMBER 22, 1981 RESPONSE DATE. SEVERAL PLANTS HAVE NOT YET ADEQUATELY RESPONDED TO THE EXTENT THAT AN EVALUATION MAY BE COMPLETED.	BUD REQUA 492-7877
X	A-42, PIPE CRACKS IN BOILING WATER REACTORS	JULY 1980	NUREG-0313 REV. 1	IN FEBRUARY 1981, NUREG-0313, REV. 1 WAS ISSUED TO ALL HOLDERS OF BWR OPERATING LICENSES OR CONSTRUCTION PERMITS AND TO ALL APPLICANTS FOR OPERATING LICENSES. BY JULY 1, 1981, THE APPLICANTS/LICENSEES WERE TO PROVIDE THEIR PROGRAM FOR REPLACEMENT OF SERVICE SENSITIVE LINES AND WELDS, THEIR PROGRAM FOR AUGMENTED INSERVICE INSPECTION, THEIR PROGRAM FOR IMPROVING THE WATER CHEMISTRY ENVIRONMENT AND INCORPORATION OF ADEQUATE LEAK DETECTION CAPABILITY. ALL LICENSEES BUT ONE HAVE RESPONDED AND THEIR REPLIES ARE BEING EVALUATED BY A TECHNICAL SUPPORT CONTRACTOR (INEL). INITIAL TER'S ARE SCHEDULED TO BE COMPLETED IN THE FIRST AND SECOND QUARTERS OF FY83.	DICK CLARK 492-7162

WATER HAMMER (A-1)

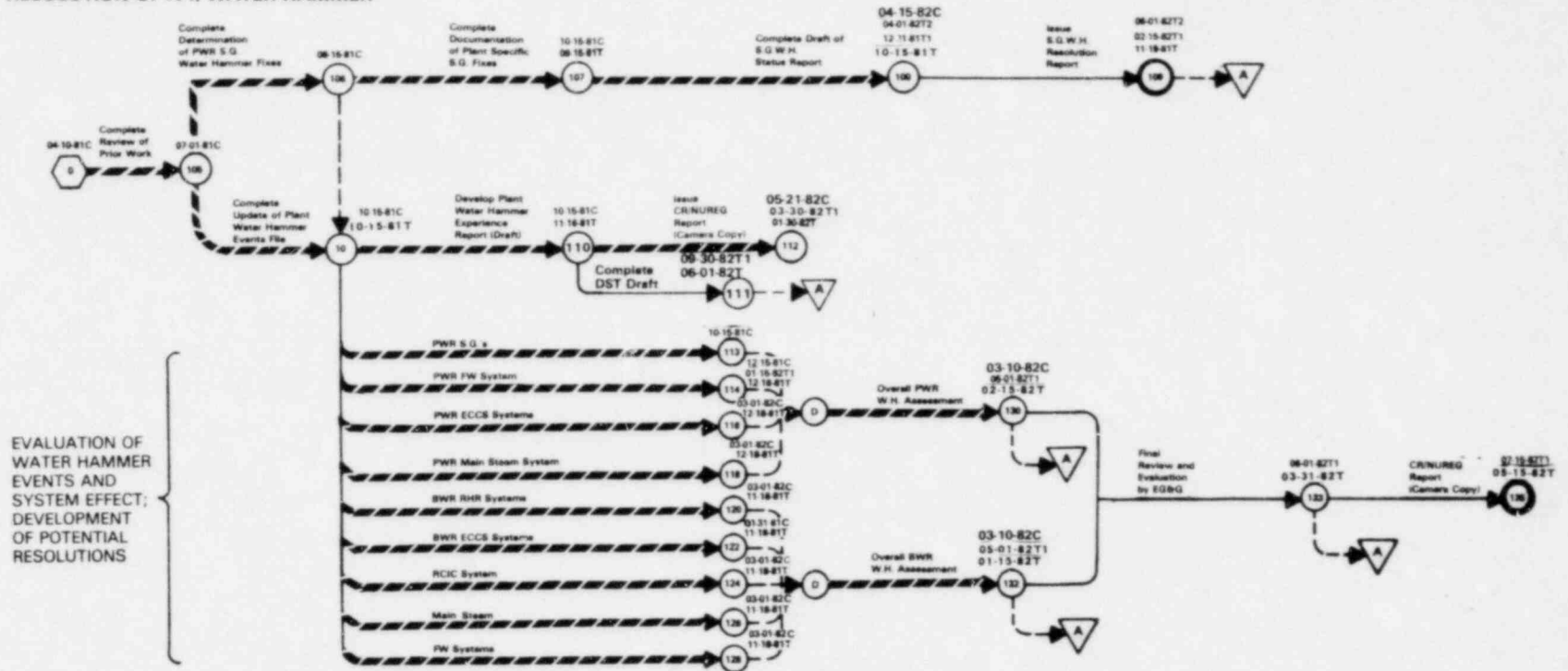
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MAY 21, 1982

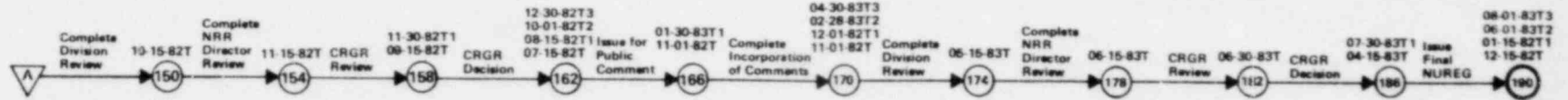
KEY PERSONNEL	TASK REVIEWERS	SCHEDULED COMPLETION																																									
TASK MANAGER ALECK SERKIZ (D87) X24217  MPA ANALYST E. ST. MARY X28330	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>NAME</th> <th>BRANCH</th> </tr> </thead> <tbody> <tr> <td>S. MCKAY</td> <td>PTRB/DHFS</td> </tr> <tr> <td>C. GRAVES</td> <td>RSB/DSI</td> </tr> </tbody> </table>	NAME	BRANCH	S. MCKAY	PTRB/DHFS	C. GRAVES	RSB/DSI	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>1978 ANNUAL REPORT</th> <th>12-31-80</th> </tr> </thead> <tbody> <tr> <td>CURRENT</td> <td># 08-01-83</td> </tr> </tbody> </table>		1978 ANNUAL REPORT	12-31-80	CURRENT	# 08-01-83																														
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<p>• PROBLEM DESCRIPTION</p> <p># Since 1969 there have been over 150 incidents involving water hammers in BWRs and PWRs reported. The water hammers (or steam hammers) have involved steam generator feedings and piping, the RHR system, ECC systems, and containment spray, service water, feed-water and steam lines. The incidents have been attributed to such causes as rapid condensation of steam pockets, steam-driven slugs of water, pump startup with partially empty lines, and rapid valve motion. Most of the damage reported has been relatively minor, involving pipe hangers and restraints; however, there have been several incidents which have resulted in piping and valve damage.</p> <p>Task Action Plan, TAP A-1, subdivides resolution of this Unresolved Safety Issue (USI) into the following tasks:</p> <p>Task 1: Water Hammer Summary Reports</p> <p>Task 2: Resolution of Water Hammer Issue</p> <p>Task 3: Water Hammer Position for Operating Reactors</p> <p>Task 4: Water Hammer Safety Studies</p> <p>Task 1 and 4 have been completed and the reports are on the network charts which follow. The near-term position for operating reactors is to permit continued operation since, as noted above, damage attributed to water hammer has been relatively minor. The long term aspect of Task 3, is an integral part of the resolution of this issue.</p> <p>Task 2 represents the resolution aspect of this USI and will result in the final resolution.</p>	<p>• RES INTERFACE INFORMATION</p> <p>None.</p>	<p>• TECHNICAL ASSISTANCE CONTRACTS</p> <p>Resolution efforts for A-1 are being conducted under FIN No. A5451 at INEL. Both EG&G-Idaho and Quadrex staff are being utilized.</p>	<p>• POTENTIAL PROBLEMS</p> <p># Risk analyses and cost benefit/impact evaluations required for CRGR review packages have become pacing items since these efforts will require subcontracted external efforts. Potential of a 1-2 month schedule slippage exists.</p>																																								
	<p>• ACRS INTERFACE INFORMATION</p> <p>A presentation was made to the ECCS Subcommittee on 12/03/81, plans for resolution of A-1 were presented.</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>FIN NO.</th> <th>CONTRACTOR</th> <th>OBLIGATED</th> <th>EXPENDED</th> </tr> </thead> <tbody> <tr> <td>FY 81:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>A5451</td> <td>EG&G-Idaho</td> <td>\$120,000</td> <td>\$ 39,355</td> </tr> <tr> <td>FY 82:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>A5451</td> <td>EG&G-Idaho</td> <td>10/81 \$120,000</td> <td>\$ 44,069</td> </tr> <tr> <td></td> <td></td> <td>11/81 146,000</td> <td>56,285</td> </tr> <tr> <td>#</td> <td></td> <td>12/81 305,000</td> <td>67,613</td> </tr> <tr> <td>#</td> <td></td> <td>01/82 305,000</td> <td>137,194</td> </tr> <tr> <td>#</td> <td></td> <td>02/82 305,000</td> <td>178,590</td> </tr> <tr> <td>#</td> <td></td> <td>03/82 305,000</td> <td>207,411</td> </tr> </tbody> </table>	FIN NO.	CONTRACTOR	OBLIGATED	EXPENDED	FY 81:				A5451	EG&G-Idaho	\$120,000	\$ 39,355	FY 82:				A5451	EG&G-Idaho	10/81 \$120,000	\$ 44,069			11/81 146,000	56,285	#		12/81 305,000	67,613	#		01/82 305,000	137,194	#		02/82 305,000	178,590	#		03/82 305,000	207,411	<p>• STATUS SUMMARY</p> <p>The concluding efforts and scheduled milestones for resolution of A-1 are shown in the attached schedule. Resolution will be based on evaluations of plant systems and operating procedures, severity of events experienced and attendant safety implications. It is postulated that guidelines and procedures will be developed which will minimize, or mitigate, water hammer events. The frequency of water hammer events reported has been low, and the incurred damage principally confined to pipe hangers and snubbers.</p> <p># NUREG/CR-2058, "Compilation of Actual and Suspected Water Hammer Events in Nuclear Power Plants," has been submitted to the NRC publications staff for issuance in May 1982 (see milestone #112, Task 2.0).</p> <p># Quadrex has completed an evaluation of LWR systems which have experienced water hammer, analyzed causes (i.e., faulty design vs. operational misalignments) and developed a series of recommendations to reduce or eliminate water hammer. Initial NRC staff comments have been provided to Quadrex; EG&G-Idaho staff are reviewing this report further (see milestones #130 and 132, Task 2.0).</p> <p># Initial activities related to developing a technical resolution to A-1, Water Hammer are underway.</p>
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TASK 2.0
RESOLUTION OF A-1, WATER HAMMER

WATER HAMMER (A-1)



WATER HAMMER (A-1) Continued



TASK 1 REPORTS

#NUREG-0582, "Water Hammer in Nuclear Power Plants" July 1979*

Chapman, R.L., "Water Hammer Studies," EG&G Interim Rpt., CAAP-TR-053 (Rev. 1), July 1980 (Prepared for NRC Use)

*Superseded by NUREG/CR-2059, "Compilation of Actual and Suspected Water Hammer Events in Nuclear Power Plants," May 1982.

TASK 4.1 REPORT

Chapman, R.L., et al., "Review and Evaluation of Actual and Potential Water Hammer Events in Nuclear Plants," EG&G Interim Rpt., CAAP-TR-042 (Rev. 1), September 1979 (Prepared for NRC Use)

TASK 4.2 REPORT

Watkins, J.C., Berry, R.A., "A State-of-the-Art Literature Review of Water Hammer," EG&G Interim Rpt., RE-A-70-044, April 1979 (Prepared for NRC Use)

TASK 4.3 REPORT

Saha, P., et al., "Evaluation of Condensation-Induced Water Hammer in Pressurized Water Reactor Steam Generators," NUREG/CR-1906, September 1980

TASK 4.4 REPORTS

Williamson, R.L., "An Analysis Tool for Predicting the Transient Hydrodynamics Resulting from the Rapid Filling of Voided Piping Systems," EG&G Interim Rpt., RE-E-79-009, February 1979 (Prepared for NRC Internal Use)

Morton, D.K., "An Analytical Procedure for Performing Structural Analysis of Nuclear Piping Systems Subjected to Fluid Transients," EG&G Interim Rpt., RE-E-79-013, February (Prepared for NRC Internal Use)

Dannis, P.N., "An Investigation of the Steam Void Collapse Water Hammer Initiating Mechanism," EG&G Interim Rpt., RE-A-79-226, February 1979 (Prepared for NRC Internal Use)

Berry, R.A., "An Analysis Tool for Predicting Transient Hydrodynamics in Nuclear Piping Systems Containing Swing Check Valves," EG&G Rpt. RE-A-79-261 (Rev. 2), September 1979 (Prepared for NRC Internal Use)

TASK 4.5 REPORT

Seffel, B.F., "Supplemental Water Hammer Analysis and System Review," EG&G preliminary Rpt. EGG-CAAP-5133, July 1980 (Prepared for NRC for Use as a Preliminary or Working Document)

WEST., CE & B&W STEAM GENERATOR TUBE INTEGRITY (A-3, A-4, A-5)

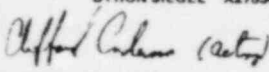
AS OF WEEK ENDING MAY 21, 1982

KEY PERSONNEL		TASK REVIEWERS		SCHEDULED COMPLETION													
TASK MANAGER J. STROSNIDER X28803 <i>J. Strosnider</i> MPA ANALYST B. ST. MARY X28330		NAME BRANCH J. STROSNIDER MEB/RES W. PASEDAG AEB/DSI C. PARSZEWSKI CEB/DE		J. RAJAN MEB/DE B. TUROVLIN CEB/DE F. ODAR ADB/RSR F. AKSTULEWICZ AEB/DSI J. ZWOLINSKI HFEB/DHFS L. FRANK MEBR		1978 ANNUAL REPORT <u>Early 1980</u> CURRENT <u># 03-30-83</u>											
• PROBLEM DESCRIPTION Pressurized water reactor steam generator tube integrity can be degraded by corrosion induced wastage, cracking, reduction in tube diameter (denting) and vibration induced fatigue cracks. The primary concern is the capability of degraded tubes to maintain their integrity during normal operation and under accident conditions (LOCA or a main steam line break) with adequate safety margins. Warrington and Combustion Engineering steam generator tubes have suffered degradation due to wastage and stress corrosion cracking. Both types of degradation have been decreased by conversion from phosphate to an all-volatile secondary water treatment. Degradation due to denting which leads to primary side stress corrosion cracking continues to be a problem. B&W's once-through steam generators (OTSG's) were relatively free of trouble prior to the first tube leak incident at Oconee Unit 3 in July, 1976. Since then, all three Oconee units have experienced tube leak incidents. The leaks at the Oconee units are the result of cracks of unknown origins propagated in the circumferential direction by flow induced vibration and have been limited to tubes located adjacent to the open tube inspection lane. A second form of degradation characterized as an erosion-cavitation phenomena has been observed at Oconee and other B&W units.		• RES INTERFACE INFORMATION A. RES has funded, at the request of NRR, a major confirmatory program at PNL. The activity of this program consists of tests to verify the burst and cyclic strengths of degraded steam generator tubes and the leak rate data. B. RES is funding a program addressing the factors which determine Inconel 600 susceptibility to stress corrosion cracking in primary water. Metal condition, chemistry, temperature, stress and environment will be considered.		• TECHNICAL ASSISTANCE CONTRACTS The following technical assistance contracts are generic in nature and will be applicable to the three Category "A" Technical Activities (A-3, A-4, and A-5) slated to PWR steam generators. A. SANDIA -- Provide statistical analysis of steam generator tube failures in operating reactors in order to establish the bases for the sampling plan for inservice inspection. Completed. B. BNL -- Provide necessary computer code and perform parametric evaluation of effects of tube failures concurrent with MSLB. Completed. C. BNL -- Provide technical consultation and assistance to review information in areas of water chemistry and corrosion analysis, stress and/or burst strength calculations. Completed. D. PNL -- Provide cost/benefit evaluation of ISI plans. Completed. E. PNL -- Evaluate environmental consequences of multiple tube failures concurrent with MSLB. Completed.		• POTENTIAL PROBLEMS Management review and concurrence and CRGP approval are the only remaining actions necessary for issuance of the "For Comment" NUREG report.											
• ACRS INTERFACE INFORMATION NONE		<table border="1"> <thead> <tr> <th>FIN NO.</th> <th>CONTRACTOR</th> <th>OBLIGATED</th> <th>EXPENDED</th> </tr> </thead> <tbody> <tr> <td>Z314</td> <td>PNL</td> <td>\$75,000</td> <td>\$75,000</td> </tr> <tr> <td>B2315</td> <td>PNL</td> <td>\$95,000</td> <td>\$95,000</td> </tr> </tbody> </table>		FIN NO.	CONTRACTOR	OBLIGATED	EXPENDED	Z314	PNL	\$75,000	\$75,000	B2315	PNL	\$95,000	\$95,000	• STATUS SUMMARY The "For Comment" NUREG report is being prepared for submittal to CRGP.	
FIN NO.	CONTRACTOR	OBLIGATED	EXPENDED														
Z314	PNL	\$75,000	\$75,000														
B2315	PNL	\$95,000	\$95,000														

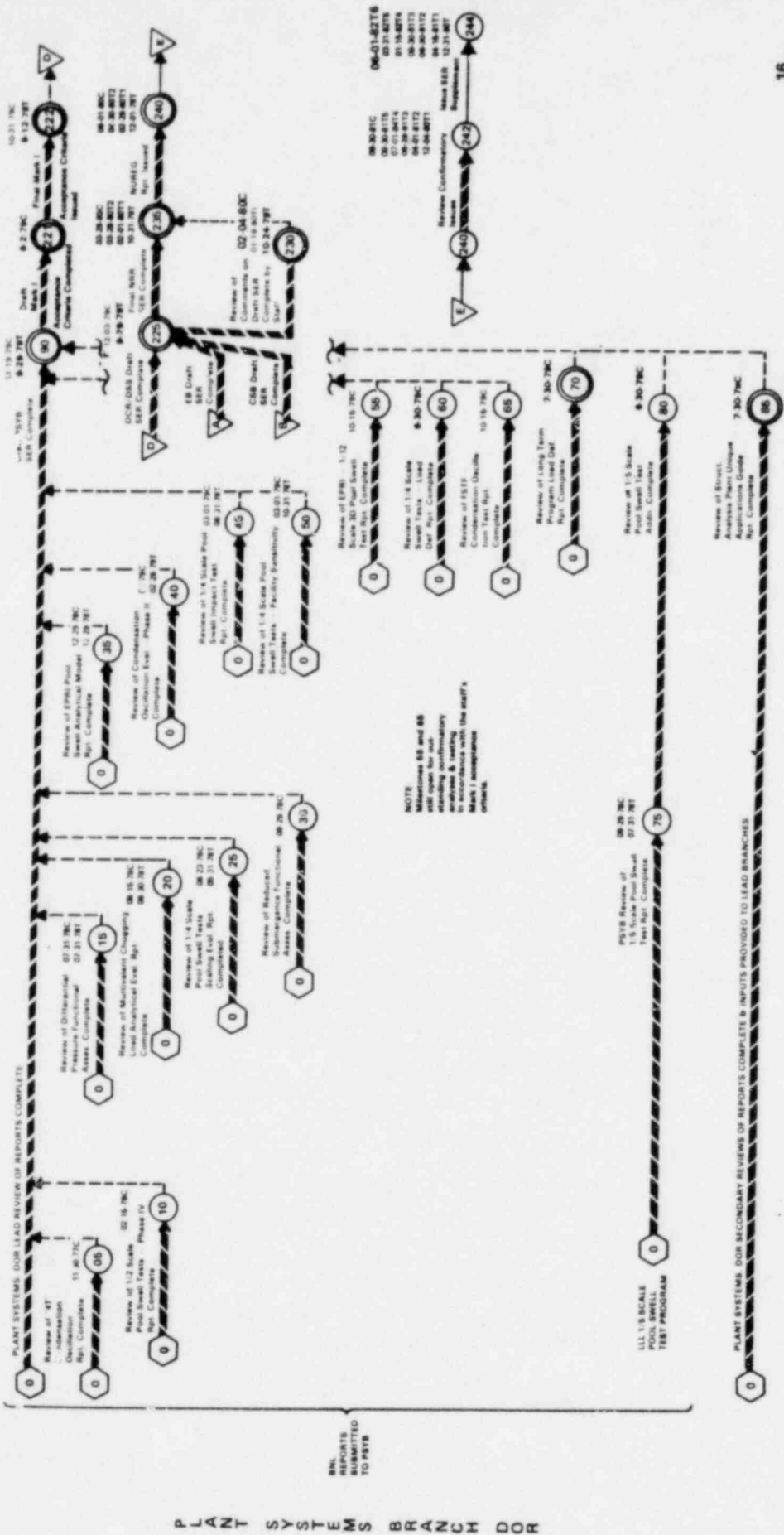
MARK I CONTAINMENT LONG-TERM PROGRAM (A-7)

AS OF WEEK ENDING

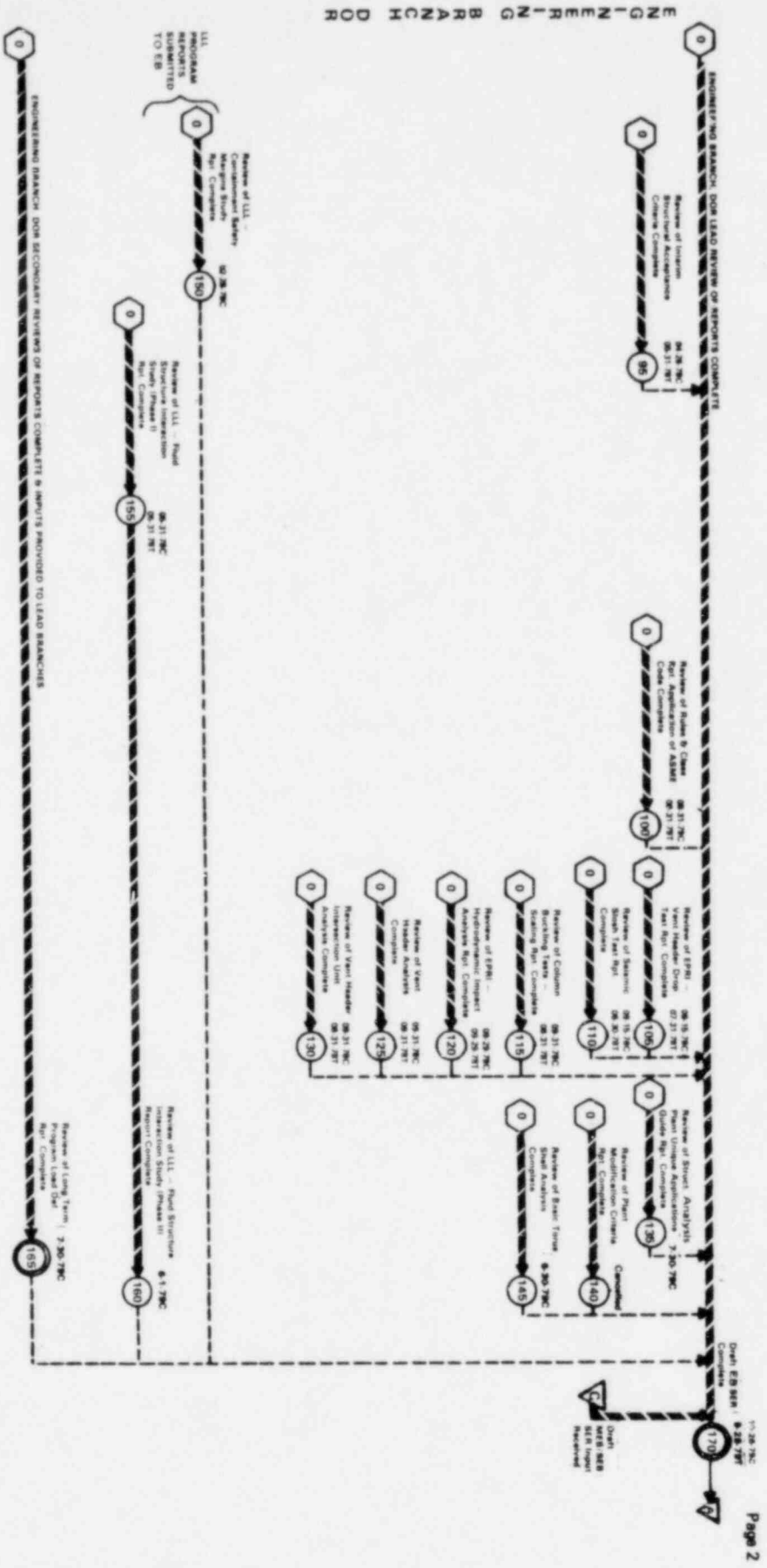
MAY 21, 1982

KEY PERSONNEL		TASK REVIEWERS		SCHEDULED COMPLETION			
TASK MANAGER BYRON SIEGEL X27534  MPA ANALYST B. ST. MARY X28330		NAME BRANCH <hr/> B. SIEGEL ORB/DL <hr/> T. SU, J. KUDRICK CSB/DSI <hr/> R. BOSNAK MEB/DE		F. SCHAUER SEB/DE <hr/> <hr/> <hr/> <hr/>		1978 ANNUAL REPORT OCTOBER 1978 <hr/> CURRENT # SUPPLEMENT 06-01-82	
• PROBLEM DESCRIPTION During the conduct of a large scale testing program for an advanced design pressure-suppression containment system (Mark III) for BWRs, new suppression pool hydrodynamic loads associated with a postulated loss of coolant accident (LOCA) were identified which had not been explicitly included in the original design of the Mark I containment systems. In addition, experience at operating plants has indicated that the dynamic effects of safety-relief valve (SRV) discharges to the suppression pool could be substantial and should be reconsidered. The results of the Mark I containment short-term program (STP) have provided assurance that for a "most probable load" the Mark I containment system of each operating BWR facility would maintain its integrity and functional capability during a postulated LOCA. The need exists (1) to establish design basis LOCA loads which are appropriate for the life of the facility, and (2) to restore the originally-intended design safety margins for the containment systems or assure that adequate design safety margin has been provided in the design of the containment system prior to issuance of an operating license. The Mark I Owner's Group has initiated a comprehensive testing and evaluation program to define design basis loads for the Mark I containment system and to establish structural acceptance criteria which will assure margins of safety for the containment system which are equivalent to that which is currently specified in the ASME Boiler and Pressure Vessel Code. Also included in their program is an evaluation of the need for structural modifications and/or load mitigation devices to assure adequate Mark I containment system structural safety margins. The NRC staff will evaluate the loads, load combinations, and associated structural acceptance criteria proposed by the Mark I Owner's Group prior to the conduct of plant-unique structural evaluations. The results of this evaluation will be documented in a generic Safety Evaluation Report. Publication of this report will constitute the resolution of this Technical Activity. Implementation of the results of this generic review, although not a part of this task, will be accomplished by an NRC requirement that each affected utility perform a plant-unique structural evaluation of the containment system for their facility using the loads, loading combinations, and structural acceptance criteria approved by the NRC staff.		• RES INTERFACE INFORMATION A 1/5 scale Mark I test program was conducted by LLL to provide confirmatory pool swell load data. The final test report was submitted to PSYB from RES on 03-10-78. Additional analyses of the test data were conducted by LLL to investigate 3-D pool swell effects and were submitted to PSYB in May 1979.		• TECHNICAL ASSISTANCE CONTRACTS BNL will assist in the review of the hydrodynamic load definition techniques (FIN A-3108). LLL has performed work on containment safety margins, fluid structure interaction effects, and column buckling. All of the LLL work was completed in FY 1979. The BNL work scope will be complete when the SER supplement is issued.		• POTENTIAL PROBLEMS Comparisons of preliminary plant-unique analyses, using the proposed load definition techniques and the NRC acceptance criteria, with full-scale test data indicate that excessive stresses may be predicted because the loading conditions are too idealized. Confirmatory testing in the full-scale test facility (FSTF) may indicate a need for revised "condensation oscillation" loads, although none is expected.	
• ACRS INTERFACE INFORMATION Meetings have been held with ACRS Subcommittee on Fluid Dynamics on 9/14/79 and 11/16/79 to discuss acceptance criteria. An additional meeting may be necessary to discuss changes to the criteria. A meeting with the full committee was held on 02-08-80.		FIN NO. CONTRACTOR OBLIGATED EXPENDED		• STATUS SUMMARY This issue is considered complete since the final NUREG was issued July, 1980, and confirmatory orders implementing the findings in NUREG-0861 were issued on January 13, 1981 for 22 operating BWRs with Mark I containments. However, BNL has reviewed three confirmatory issues for an SER supplement and issued a draft report for NRR review. The NRR supplement is # scheduled to be issued 06-01-82.			

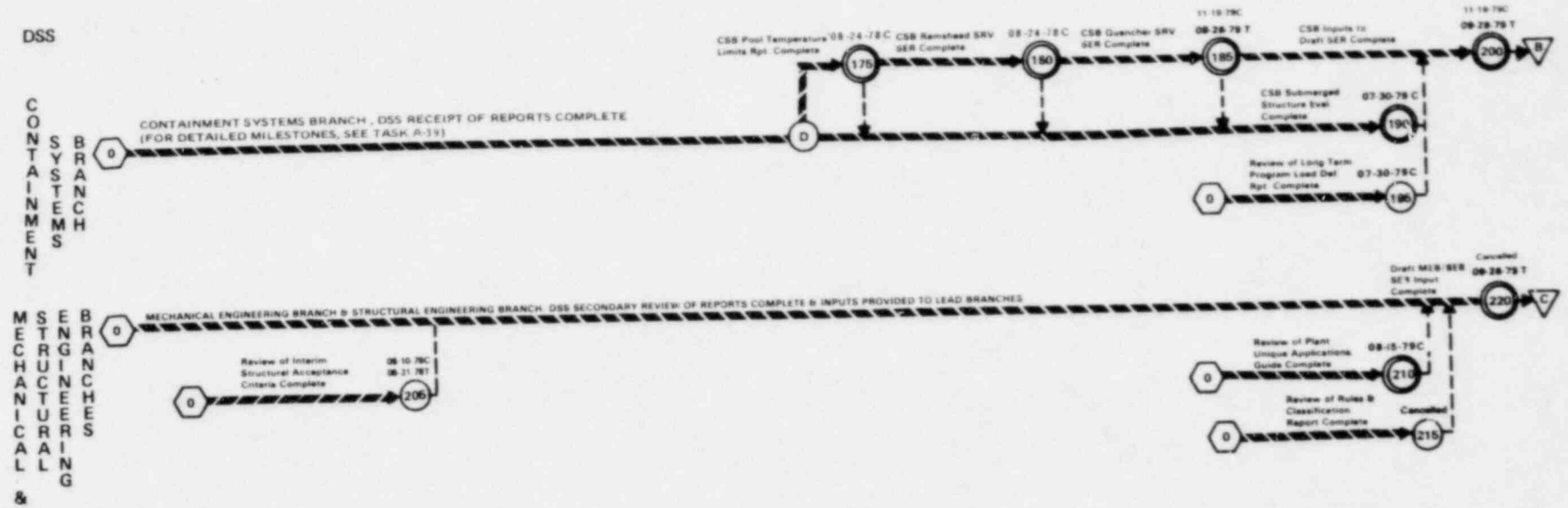
MARK I CONTAINMENT LONG-TERM PROGRAM (A-7)



MARK I CONTAINMENT LONG-TERM PROGRAM (A-7)



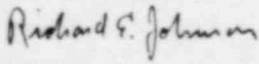
MARK I CONTAINMENT LONG-TERM PROGRAM (A-7)



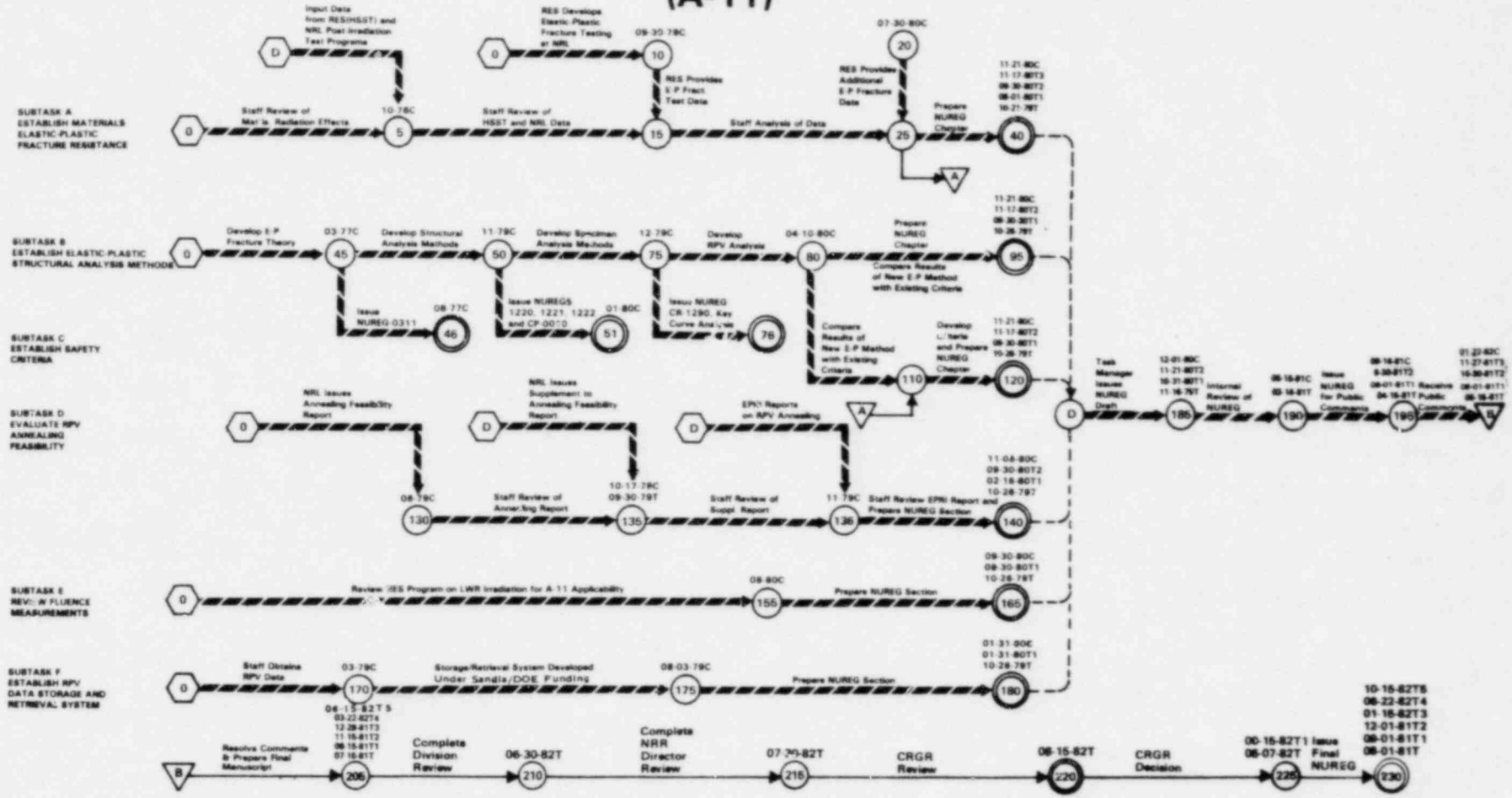
REACTOR VESSEL MATERIALS TOUGHNESS (A-11)

AS OF WEEK ENDING

May 21, 1982

KEY PERSONNEL		TASK REVIEWERS		P.N. RANDALL		MEBR/RES		SCHEDULED COMPLETION																					
TASK MANAGER RICHARD E. JOHNSON X24718 		NAME BRANCH		C.S. HINSON		RAB/DSI		1978 ANNUAL REPORT July 1979																					
MPA ANALYST D. SCHWARZ X27108		W.S. HAZELTON MTEB/DE		C. SERPAN		MEBR/RES		CURRENT # 10-15-82																					
• PROBLEM DESCRIPTION Because the possibility of failure of nuclear reactor pressure vessels designed to the ASME Boiler and Pressure Vessel Code is remote, the design of nuclear facilities does not provide protection against reactor vessel failure. However, as plants accumulate more and more service time, neutron irradiation reduces the material fracture toughness and initial safety margins. Results from reactor vessel surveillance programs indicate that up to approximately 20 operating PWRs will have lifetime materials with marginal toughness, relative to the requirements of Appendices G and H of 10 CFR Part 20, after comparatively short (approximately 10 EFPY) periods of operation. For most plants now in the licensing process, current criteria, together with the materials currently employed, are adequate to ensure suitable safety margins for reactor vessels throughout their design lives. However, a few plants under licensing review have reactor vessels that have been identified as having the potential for marginal fracture toughness within their design lives; these vessels will have to be reevaluated in the light of the new criteria for long term acceptability.		• RES INTERFACE INFORMATION Fracture test data was provided by RES and incorporated into NUREG-0744. RES has reviewed NUREG-0744.		• TECHNICAL ASSISTANCE CONTRACTS NONE		• POTENTIAL PROBLEMS NONE		• STATUS SUMMARY NUREG-0744 has been completed and was issued for public comment in September 1981. Volume 1 is a summary description of the resolution and results. Volume 2 presents a detailed description of the technical work accomplished. # Comments on NUREG-0744 have been received and incorporated as appropriate and the final NUREG is being prepared for CRGR review. The NRC has suggested to the ASME Section XI Working Group that they consider establishing safety margins to be used for calculating fracture toughness. The issue of safety margins will not be addressed in the A-11 final NUREG. # The CRGR review schedule has been revised which results in additional schedule slippage.																					
		• ACRS INTERFACE INFORMATION Copies of NUREG-0744 were forwarded to the ACRS when issued for public comment; no other action planned.		<table border="1"> <thead> <tr> <th>FIN NO.</th> <th>CONTRACTOR</th> <th>OBLIGATED</th> <th>EXPENDED</th> </tr> </thead> <tbody> <tr> <td>B6486</td> <td>W.U.T.A.</td> <td>\$103,000</td> <td>\$ 83,088</td> </tr> <tr> <td>B0737</td> <td>ORNL</td> <td>\$415,000</td> <td>\$331,375</td> </tr> <tr> <td>A8419</td> <td>INEL</td> <td>\$100,000</td> <td>\$ 89,740</td> </tr> <tr> <td>B6805</td> <td>NRL</td> <td>\$ 56,850</td> <td>\$ 96,850</td> </tr> </tbody> </table>		FIN NO.	CONTRACTOR	OBLIGATED	EXPENDED	B6486	W.U.T.A.	\$103,000	\$ 83,088	B0737	ORNL	\$415,000	\$331,375	A8419	INEL	\$100,000	\$ 89,740	B6805	NRL	\$ 56,850	\$ 96,850				
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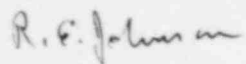
REACTOR VESSEL MATERIALS TOUGHNESS (A-11)



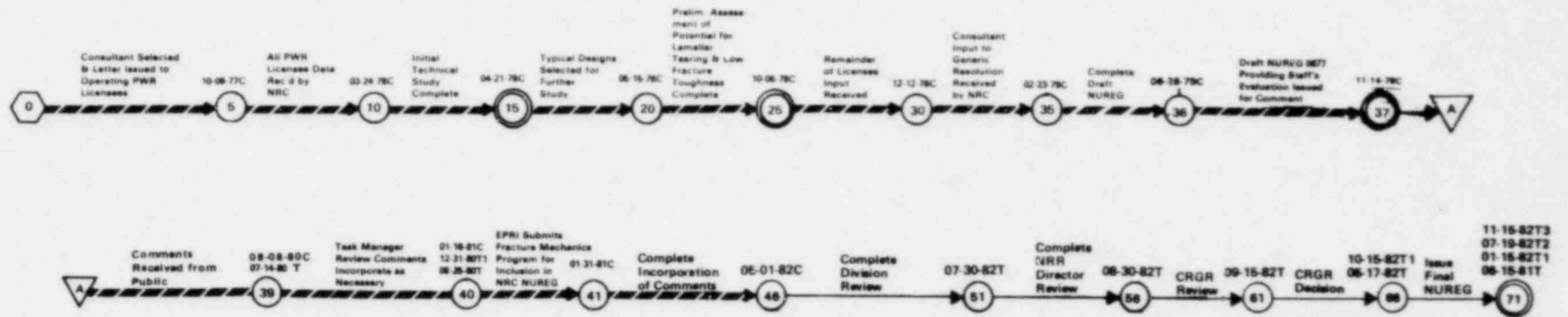
FRACTURE TOUGHNESS OF STEAM GENERATOR AND REACTOR COOLANT PUMP SUPPORTS (A-12)

AS OF WEEK ENDING

May 21, 1982

KEY PERSONNEL		TASK REVIEWERS		SCHEDULED COMPLETION	
TASK MANAGER RICHARD E. JOHNSON (GIB) X24715 		BARRY ELLIOT MTE(BIDE) _____ _____ _____		1978 ANNUAL REPORT AUGUST 1978 CURRENT # 11-15-82	
MPA ANALYST M. ANDERSON X27021		NAME BRANCH DAVE SELLERS MTE(BIDE) NEIL RANDALL MTE(BIDE) DAVE SMITH MTE(BIDE)			
• PROBLEM DESCRIPTION During the course of the licensing action for North Anna Power Station Unit Nos. 1 and 2 a number of questions were raised as to the potential for lamellar tearing and low fracture toughness of the steam generator and reactor coolant pump support materials for those facilities. Two different steel specifications (ASTM A36-70a and ASTM A572-70a) covered most of the material used for these supports. Toughness tests, not originally specified and not in the relevant ASTM specifications, were made on those heats for which excess material was available. The toughness of the A36 steel was found to be adequate, but the toughness of the A572 steel was relatively poor at an operating temperature of 900°F. In the case of North Anna Unit Nos. 1 and 2, the applicant has agreed to raise the temperature of the ASTM A572 beams in the steam generator supports to a minimum temperature of 2250°F prior to reactor coolant system pressurization to levels above 1000 psig. Auxiliary electrical heat will be supplied as necessary to supplement the heat derived from the reactor coolant loop to obtain the required operating temperature of the support materials. Since similar materials and designs have been used on other nuclear plants, the concerns regarding the supports for the North Anna facilities are applicable to other PWR plants. It was therefore necessary to reassess the fracture toughness of the steam generator and reactor coolant pump support materials for all operating PWR plants and those in CP and OL review. Lamellar tearing may also be a problem in those support structures similar in design to North Anna. This possibility will be investigated on a generic basis.	• RES INTERFACE INFORMATION NONE	• TECHNICAL ASSISTANCE CONTRACTS Sandia Laboratories has provided expertise in evaluating the potential for lamellar tearing and low fracture toughness of the support materials. The final input to the generic resolution has been submitted and is included as an appendix to NUREG-0577.	• POTENTIAL PROBLEMS NONE		
	• ACRS INTERFACE INFORMATION Copies of NUREG-0577 will be forwarded to the ACRS when issued in revised and final form.	FIN NO. CONTRACTOR OBLIGATED EXPENDED Contract assistance for preparation of final report from FIRL is being managed by DL.	• STATUS SUMMARY Review procedures and evaluation criteria were set forth in NUREG-0577 and the augmenting letters of May 19, 1980 (to licensees) and May 20, 1980 (to applicants). Industry response was adverse, and the staff has been requested to consider alternatives, first by EPRI and by the AIF Subcommittee on Material Requirements. The scope of USI A-12 has been changed to reflect staff and industry concerns. Major changes include removing bolting from the scope and limiting applicability to steam generator and primary coolant pump supports as originally specified in the TAF. #Comments have been incorporated into final NUREG and final manuscript has been prepared. Schedule has been changed to reflect CRGR review of implementation requirements.		

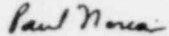
FRACTURE TOUGHNESS OF STEAM GENERATOR AND REACTOR COOLANT PUMP SUPPORTS (A-12)



SYSTEMS INTERACTIONS IN NUCLEAR POWER PLANTS (A-17)

AS OF WEEK ENDING

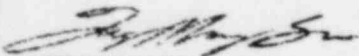
MAY 21, 1982

KEY PERSONNEL	TASK REVIEWERS	SCHEDULED COMPLETION																																
TASK MANAGER PAUL NORIAN (Acting) X27487 	NAME BRANCH <hr/> <hr/> NO ASSIGNED REVIEWERS <hr/> <hr/>	1978 ANNUAL REPORT	Phase I - 09-79 <hr/>																															
MPA ANALYST M. ANDERSON X27021		CURRENT	N/A <hr/>																															
<p>• PROBLEM DESCRIPTION</p> <p>The design of a nuclear power plant is accomplished by groups of engineers and scientists organized into engineering disciplines and into scientific disciplines. The review performed by the designers include interdisciplinary reviews to assure the functional compatibility of the plant structures, systems, and components. Safety reviews and accident analyses provide further assurance that system functional requirements will be met. These reviews include failure mode analyses.</p> <p>The NRC review and evaluation of safety systems is accomplished in accordance with the Standard Review Plan (SRP) which assigns primary and secondary review responsibilities to organizational units arranged by plant systems or by disciplines. Each element of the SRP is assigned to an organizational unit for primary responsibility and, where appropriate, to other units for secondary responsibilities.</p> <p>Thus, the design and analyses by the plant designers, and the subsequent review and evaluation by the NRC staff take into consideration the interdisciplinary areas of concern and account for systems interaction to a large extent. Furthermore, many of our regulatory criteria are aimed at controlling the risks from systems interactions. Examples include the single failure criterion and separation criteria.</p> <p>Nevertheless, there is some question regarding the interaction of various plant systems, both as to the supporting roles such systems play and as to the effect one system can have on other systems, particularly with regard to whether actions or consequences could adversely affect the presumed redundancy and independence of safety systems.</p> <p>The problem to be resolved by this task is to identify where the present design, analysis, and review procedures may not acceptably account for potentially adverse systems interaction and to recommend the regulatory action that should be taken to rectify deficiencies in the procedures.</p>	<p>• RES INTERFACE INFORMATION</p> <p>The Division of Risk Analysis has been consulted during the development and execution of this plan. The Division of Engineering Technology will participate in the development of a Regulatory Guide for Systems Interaction Analyses.</p>	<p>• TECHNICAL ASSISTANCE CONTRACTS</p> <p>Phase I work was performed by Sandia National Laboratories under FIN # A-1113(9) by NRR for \$219K and under FIN # A-4084(8) by OSD for \$320K. Expenditures were \$197K for FIN # A-1113(9) and \$320K for FIN # A-1084(8).</p>	<p>• POTENTIAL PROBLEMS</p> <p>LWRs for implementation of interim guidance have not yet been selected.</p>																															
<p>• ACRS INTERFACE INFORMATION</p> <p>The review is under the cognizance of the ACRS Subcommittee on Plant Arrangements. A meeting was held 02-20-80 in Washington, D.C. with the Subcommittee which recommended a demonstration of Phase I methodology before proceeding much further.</p> <p># A meeting was held 02-26-82 with the ACRS Subcommittee on Indian Point 3 to describe the PASNY systems interaction program on Indian Point 3. On 03-09-82, the ACRS documented their judgement that the PASNY plan was responsive.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>FIN NO.</th> <th>CONTRACTOR</th> <th>OBLIGATED</th> <th>EXPENDED</th> </tr> </thead> <tbody> <tr> <td># A0403</td> <td>LLNL</td> <td>\$150,000</td> <td>\$46,000</td> </tr> <tr> <td># A3366</td> <td>BNL</td> <td>\$ 80,000</td> <td>\$15,000</td> </tr> <tr> <td># 82329</td> <td>PNL</td> <td>\$190,000</td> <td>\$10,000</td> </tr> <tr> <td># A1296</td> <td>SANDIA</td> <td>\$ 27,000</td> <td>\$18,000</td> </tr> <tr> <td>A-406</td> <td>LLNL</td> <td>\$183,000</td> <td>\$128,900</td> </tr> <tr> <td>A-3366</td> <td>BNC</td> <td>\$ 80,000</td> <td>\$ 80,000</td> </tr> <tr> <td>8-2338</td> <td>PNL</td> <td>\$ 80,000</td> <td>\$ 80,000</td> </tr> </tbody> </table>	FIN NO.	CONTRACTOR	OBLIGATED	EXPENDED	# A0403	LLNL	\$150,000	\$46,000	# A3366	BNL	\$ 80,000	\$15,000	# 82329	PNL	\$190,000	\$10,000	# A1296	SANDIA	\$ 27,000	\$18,000	A-406	LLNL	\$183,000	\$128,900	A-3366	BNC	\$ 80,000	\$ 80,000	8-2338	PNL	\$ 80,000	\$ 80,000	<p>• STATUS SUMMARY</p> <p>The anticipated Phase II program will not be pursued as an USI. Work originally planned under TAP A-17 will now be performed under TMI Action Plan Item II-C-3, Systems Interaction. This activity will now be managed by the Systems Interaction Section, Reliability and Risk Assessment Branch, DST. The Section Leader is F. Coffman, X27487. The status of this item is reported in the quarterly updates of the TMI Action Plan Tracking System (APTS).</p> <p># Commission briefing scheduled for 06/82. Interim guidance for implementation on selected plants is scheduled for completion 08/82.</p>
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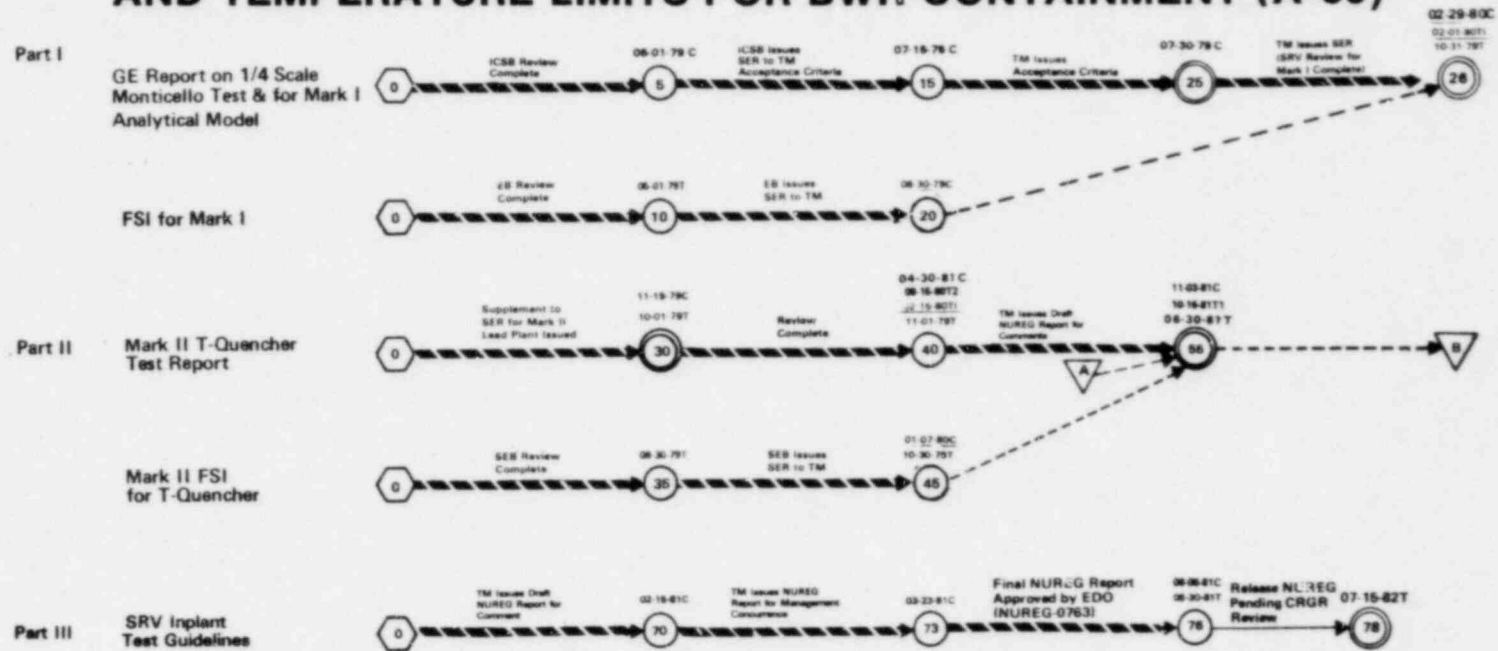
INDICATES A CHANGE IN INFORMATION

DETERMINATION OF SAFETY RELIEF VALVE (SRV) POOL DYNAMIC LOADS AND TEMPERATURE LIMITS FOR BWR CONTAINMENT (A-39)

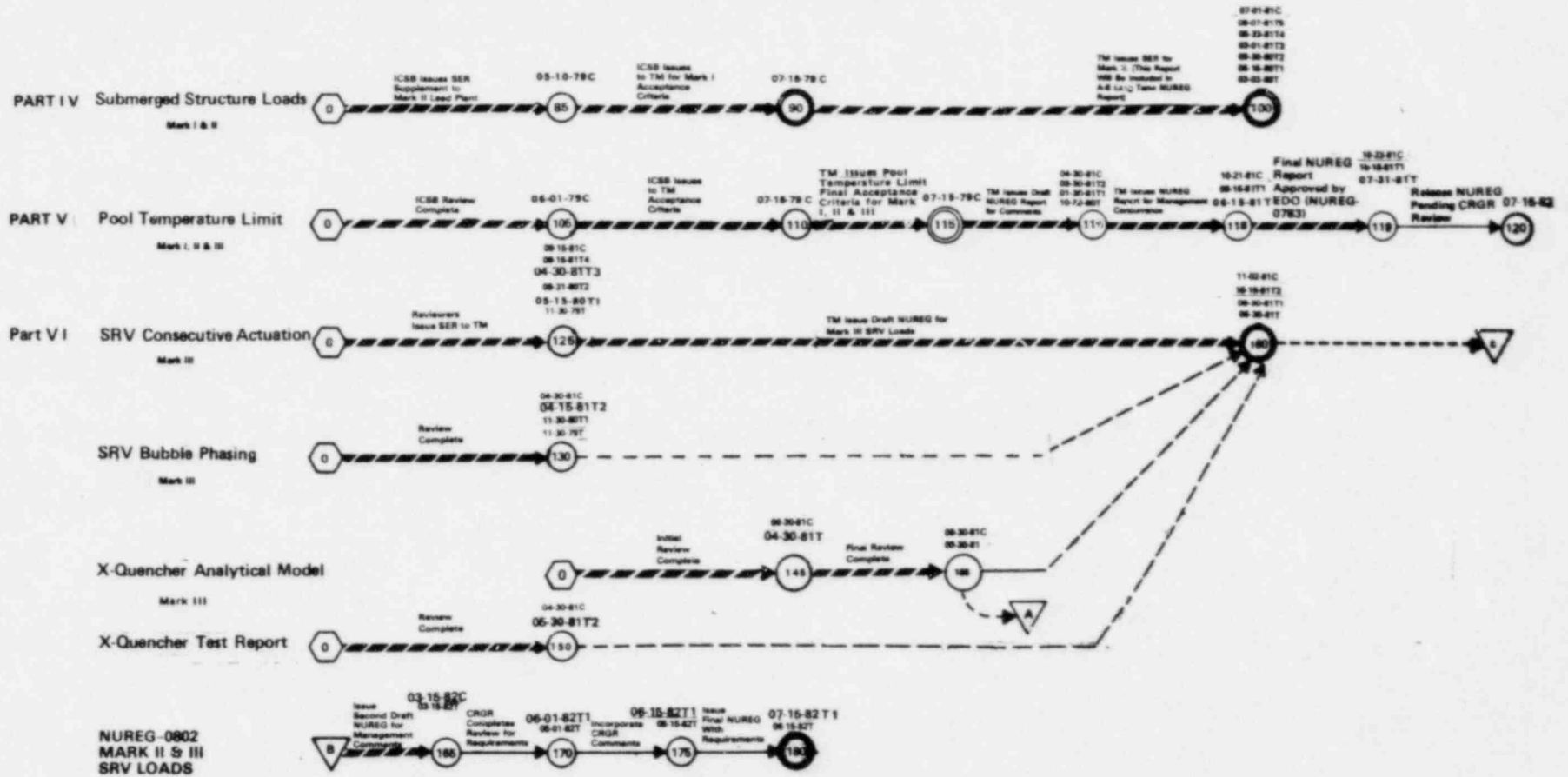
AS OF WEEK ENDING MAY 21, 1982

KEY PERSONNEL		TASK REVIEWERS		SCHEDULED COMPLETION												
TASK MANAGER T.M. SU (GIB) X27477  MPA ANALYST M. ANDERSON X27021		NAME _____ BRANCH _____ _____ _____		1978 ANNUAL REPORT October 1979 MARK I - 02-28-80C # MARK II - 07-15-82 # MARK III - 07-15-82 CURRENT												
• PROBLEM DESCRIPTION Operation of BWR primary system pressure relief valves can result in hydrodynamic loads on the suppression pool retaining structures or structures located within the pool. These loads result from: 1. Initial vent clearing of a relief valve pipe; and 2. Steam quenching due to locally high pool temperature.	• RES INTERFACE INFORMATION NONE	• TECHNICAL ASSISTANCE CONTRACTS BNL has completed Mark II T-Quencher and Mark III X-Quencher review and is preparing input to the NUREG report.	• POTENTIAL PROBLEMS NONE	• STATUS SUMMARY Task A-39 Mark I effort completed in February 1980. # NUREG report for inplant SRV test was approved by EDO in June 1981. Issuance of the report, however, is pending CRGR approval. NUREG report for suppression pool temperature limit was approved by EDO in 10/81. Issuance of the # report is pending CRGR approval. Draft NUREG report for Mark II and III SRV loads # is complete and NRR management has concurred. Submittal for CRGR review is being prepared.												
	• ACRS INTERFACE INFORMATION Discussions with the ACRS Subcommittee on Mark II SRV loads and Kuoshong inplant test results were presented on September 25, 1981.	<table border="1"> <thead> <tr> <th>FIN NO.</th> <th>CONTRACTOR</th> <th>OBLIGATED</th> <th>EXPENDED</th> </tr> </thead> <tbody> <tr> <td>A3098</td> <td>BNL</td> <td>FY 79 \$86,000 FY 80 \$60,000</td> <td></td> </tr> <tr> <td>A3321</td> <td>BNL</td> <td>FY 80 \$36,000 FY 81 \$70,000</td> <td></td> </tr> </tbody> </table>	FIN NO.	CONTRACTOR	OBLIGATED	EXPENDED	A3098	BNL	FY 79 \$86,000 FY 80 \$60,000		A3321	BNL	FY 80 \$36,000 FY 81 \$70,000			
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A3098	BNL	FY 79 \$86,000 FY 80 \$60,000														
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DETERMINATION OF SAFETY RELIEF VALVE (SRV) POOL DYNAMIC LOADS AND TEMPERATURE LIMITS FOR BWR CONTAINMENT (A-39)



DETERMINATION OF SAFETY RELIEF VALVE (SRV) POOL DYNAMICS LOADS AND TEMPERATURE LIMITS FOR BWR CONTAINMENT (A-39) Continued



SEISMIC DESIGN CRITERIA - SHORT TERM PROGRAM (A-40)

AS OF WEEK ENDING

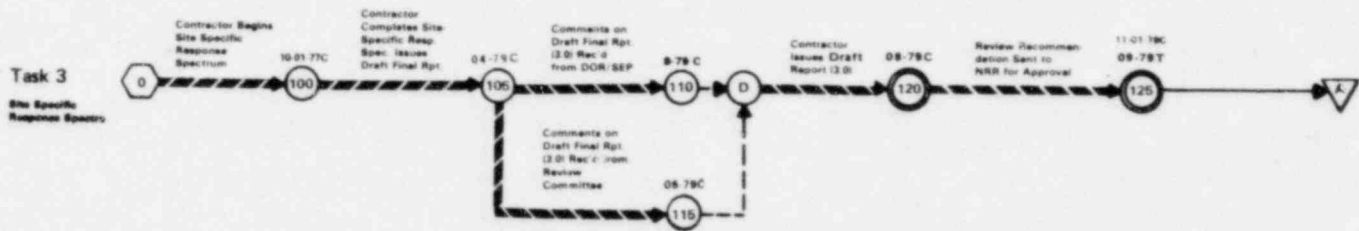
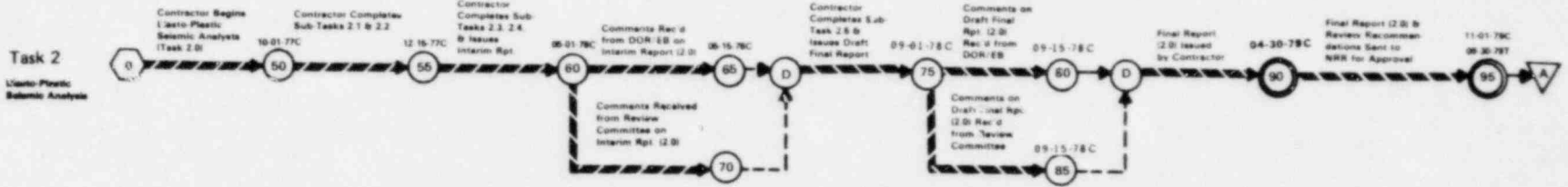
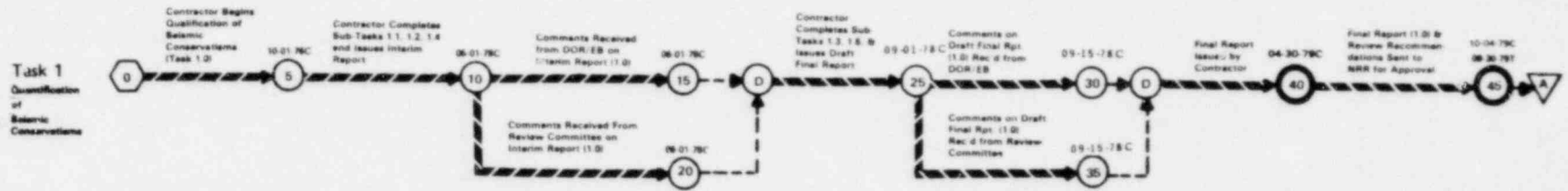
MAY 21, 1982

KEY PERSONNEL		TASK REVIEWERS		SCHEDULED COMPLETION	
TASK MANAGER		NAME	BRANCH	1978 ANNUAL REPORT	PHASE I - 1979 PHASE II - 1981
GOUTAM BAGCHI X28261		T. CHEN3	SEB/DL		
<i>M. Anderson for G. Bagchi</i>		S. CHAN, H. POLK	SEB/DE		
MPA ANALYST		L. REITER	GB/DE	CURRENT	# 06-16-83
M. ANDERSON X27021					

• PROBLEM DESCRIPTION	• RES INTERFACE INFORMATION	• TECHNICAL ASSISTANCE CONTRACTS	• POTENTIAL PROBLEMS
<p>The seismic design process required by current NRC criteria includes the following sequence of events:</p> <ul style="list-style-type: none"> (a) Define the magnitude or intensity of the earthquake which will produce the maximum vibratory ground motion at the site (the safe shutdown earthquake or SSE). (b) Determine the free-field ground motion at the site that would result if the SSE occurred. (c) Determine the motion of site structures by modifying the free-field motion to account for the interaction of the site structures with the underlying foundation soil. (d) Determine the motion of the plant equipment supported by the site structures. (e) Compare the seismic loads, in appropriate combination with other loads, on structures, systems, and components important to safety, with the allowable loads. <p>While this seismic design sequence includes many conservative factors, certain aspects of the sequence may not be conservative for all plant sites. At present, it is believed that the overall sequence is adequately conservative. The objective of this program is to investigate selected areas of the seismic design sequence to determine their conservatism for all types of sites, to investigate alternate approaches to parts of the design sequence, to quantify the overall conservatism of the design sequence, and to modify the NRC criteria in the Standard Review Plan if changes are found to be justified. In this manner, this program will provide additional assurance that the health and safety of the public is protected, and if possible, reduce costly design conservatisms by improving (1) current seismic design requirements, (2) NRR's capability to quantitatively assess the overall adequacy of seismic design for nuclear plants in general.</p>	<p>Task 1.0 will provide input to the Quantification of Conservatisms in Present Seismic Methodology, one of the three objectives of the Seismic Research Program. Close coordination with RES will be maintained through meetings to exchange information.</p>	<p>Lawrence Livermore Laboratory (LLL), under contract to RES, reviewed all reports by 04-30-79. LLL report on recommendations for changes to the seismic design criteria was completed on 12-28-79. (NUREG/CR-1161). The contractor reports on tasks 7, 8, and 9 are complete.</p>	<p>None.</p>
	<p>• ACRS INTERFACE INFORMATION</p> <p>The Extreme External Phenomena Subcommittee was briefed on the Phase I reports including the recommended changes to the Seismic Design Criteria.</p>	<p>FIN NO. CONTRACTOR OBLIGATED EXPENDED</p> <p>Contracts complete.</p>	<p>• STATUS SUMMARY</p> <p>All contractor work necessary to complete Phase I has been completed. Staff review of LLL report was completed on 10-30-80. A draft report presenting staff position has been prepared and is under review by the staff.</p> <p>Schedule has been extended due to new requirement to incorporate CRGR implementation reviews.</p> <p># Draft manuscript has been completed and is being prepared for management review.</p>

SEISMIC DESIGN CRITERIA - SHORT TERM PROGRAM (A-40)

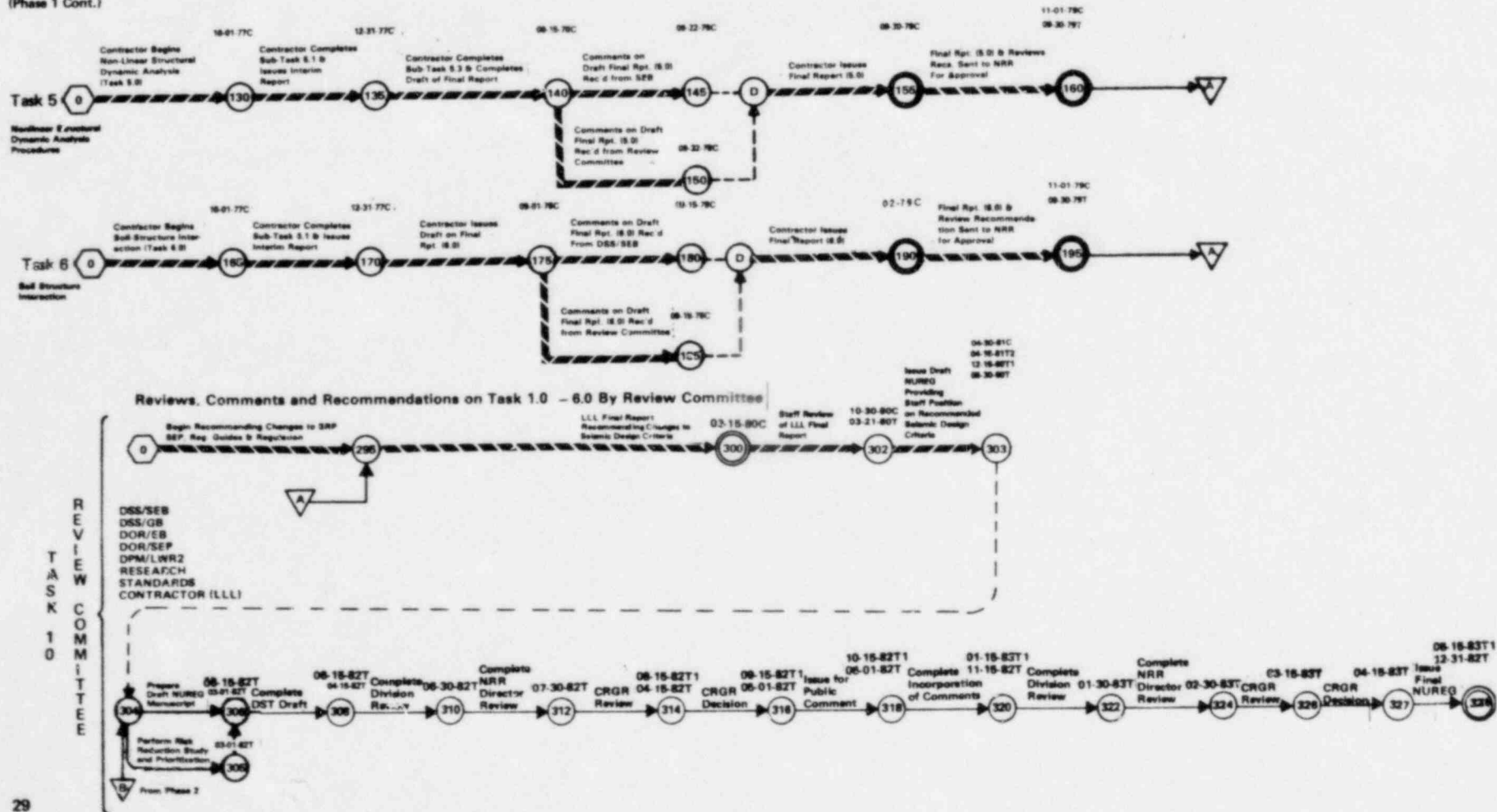
Phase 1



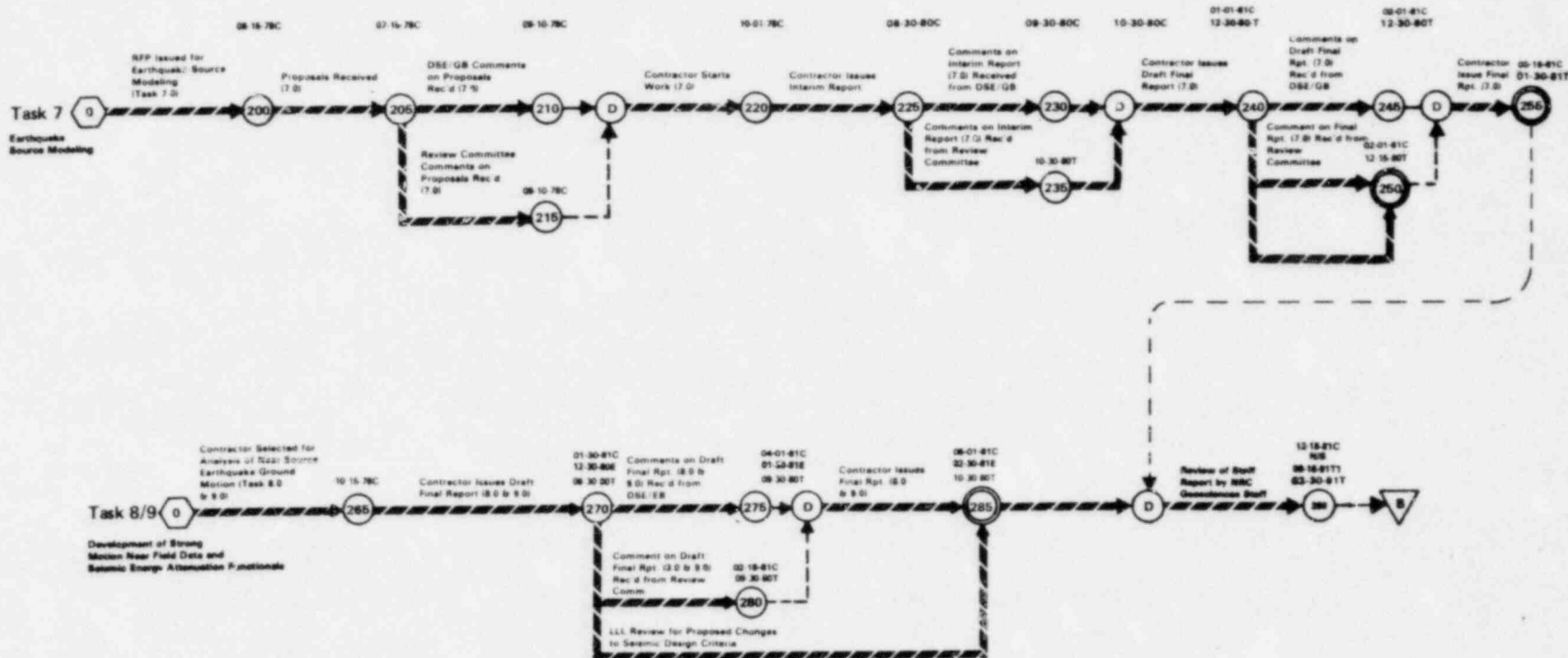
Task 4 Deleted
Seismic After Shocks

SEISMIC DESIGN CRITERIA - SHORT TERM PROGRAM (A-40)

(Phase 1 Cont.)



SEISMIC DESIGN CRITERIA - SHORT TERM PROGRAM (A-40)



CONTAINMENT EMERGENCY SUMP PERFORMANCE (A-43)

NOTE: The sub-task 1 report is no longer necessary since the background presented therein has been summarized in NUREG-0897, Resolution of USI A-43, "Containment Emergency Sump Performance," which is in the final preparation stage.

NOTE: Subtask 2, has been deleted since findings presented in this lower report are superseded by experimental results from Subtask 4.

SUBTASK 1
CALCULATION
TEST REPORT

SUBTASK 2
ANALYSIS
OF DATA
REPORT

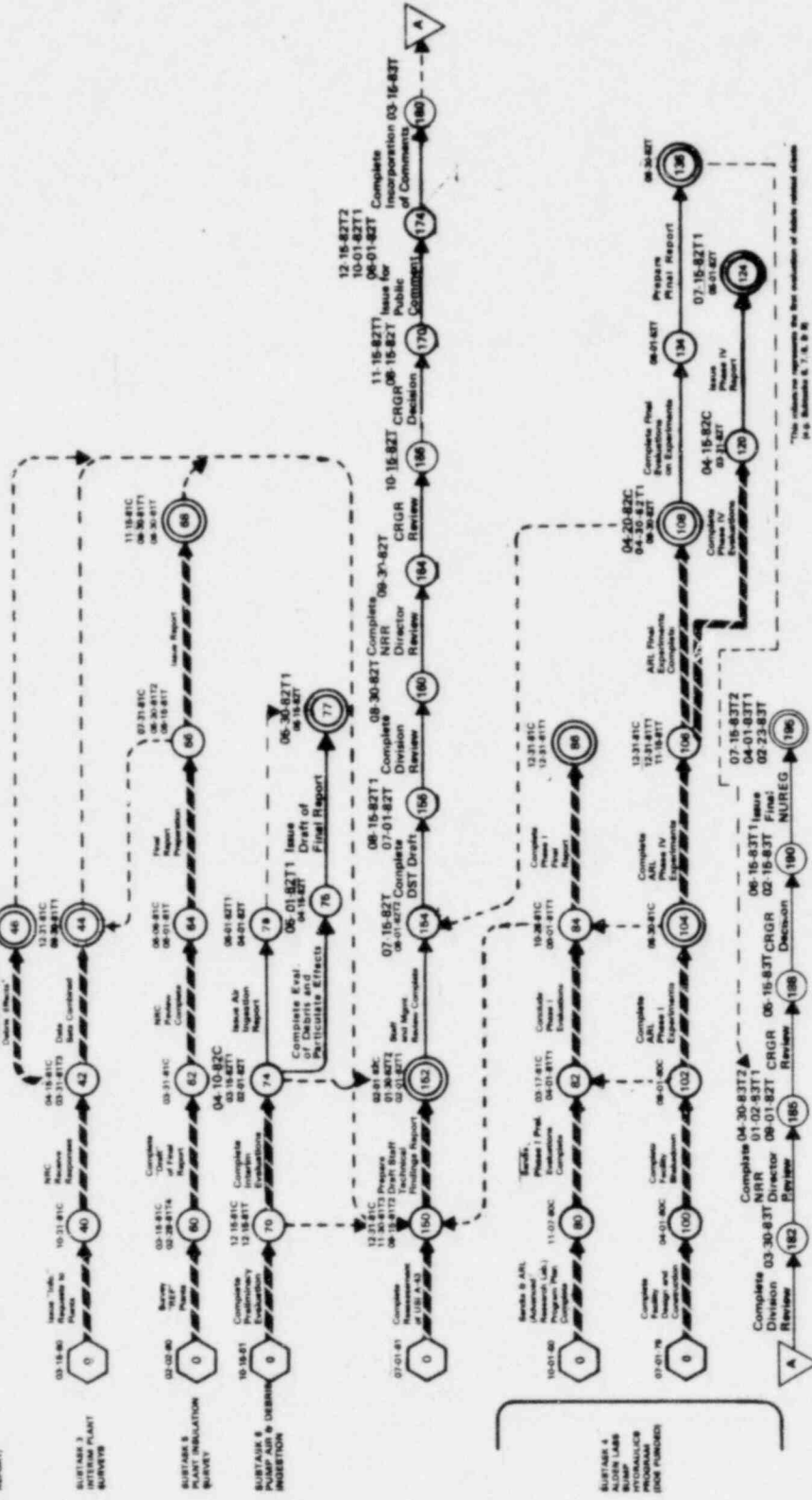
SUBTASK 3
INTERIM PLANT
SURVEYS

SUBTASK 5
PLANT INSULATION
SURVEY

SUBTASK 6
PUMP AIR & OIL
INJECTION

SUBTASK 7
AIR
PROGRAM

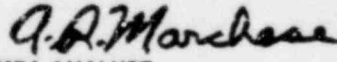
SUBTASK 8
AIR
PROGRAM
FOR FURTHER
WORK



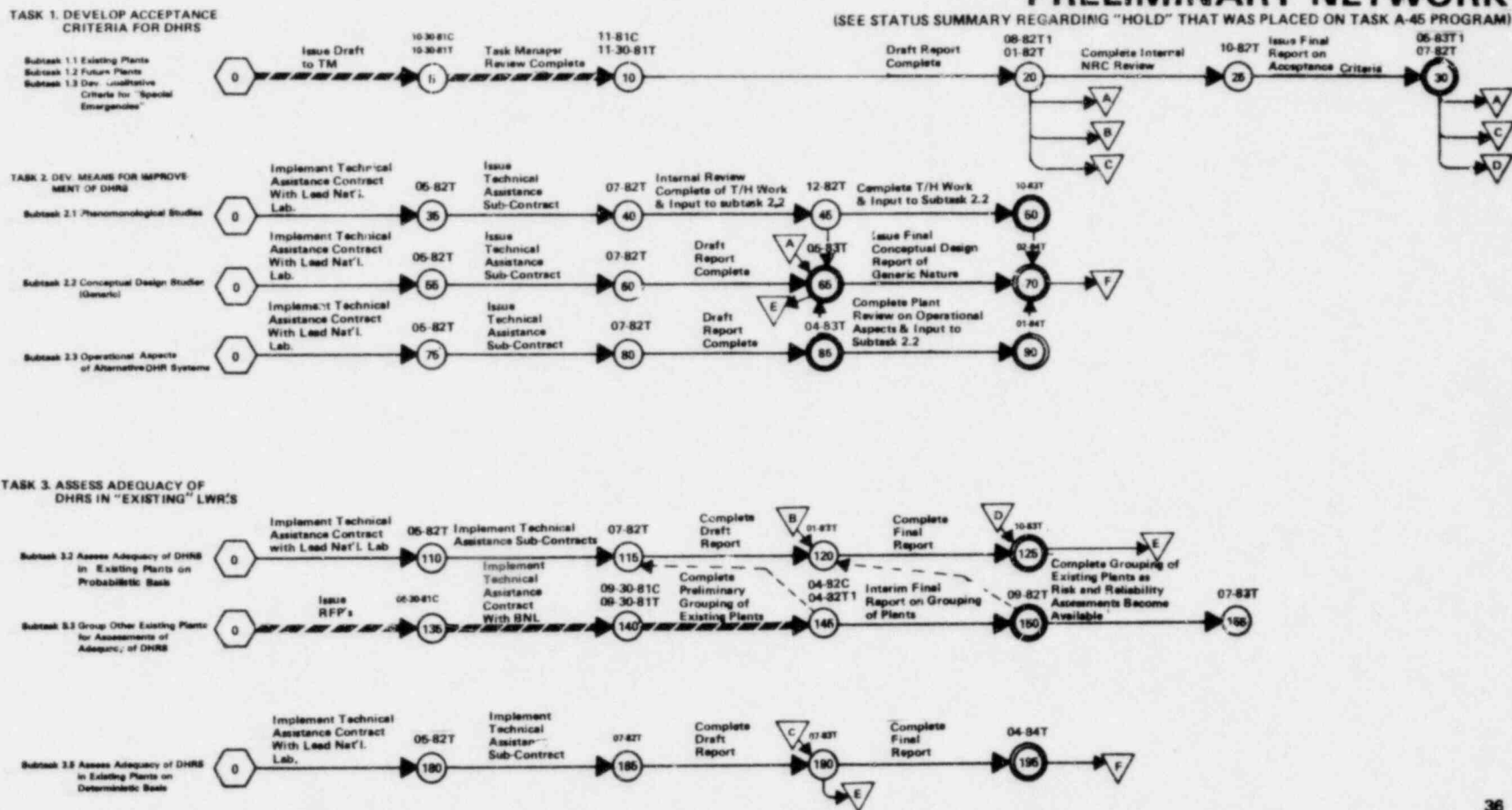
SHUTDOWN DECAY HEAT REMOVAL REQUIREMENTS (A-45)

AS OF WEEK ENDING

MAY 21, 1982

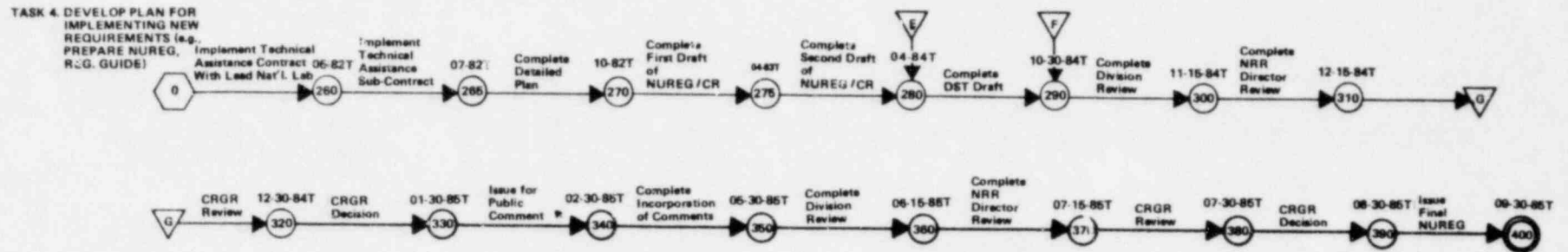
KEY PERSONNEL	TASK REVIEWERS	E. McPEEK C. NELSON # M. CUNNINGHAM	SSPB/DL ORB-3/DL DRA/RES	SCHEDULED COMPLETION																	
TASK MANAGER ANDREW MARCHESE X24712  MPA ANALYST R. ST. MARY X28330	<table border="1"> <thead> <tr> <th>NAME</th> <th>BRANCH</th> </tr> </thead> <tbody> <tr> <td># T. MARSH</td> <td>RSB/DSI</td> </tr> <tr> <td>F. ROSA</td> <td>ICSB/DSI</td> </tr> <tr> <td>M. SRINIVASAN</td> <td>PSB/DSI</td> </tr> </tbody> </table>	NAME	BRANCH	# T. MARSH	RSB/DSI	F. ROSA	ICSB/DSI	M. SRINIVASAN	PSB/DSI			<table border="1"> <thead> <tr> <th></th> <th># 10/85</th> <th>PRELIMINARY NETWORK</th> </tr> </thead> <tbody> <tr> <td>ORIGINAL</td> <td></td> <td></td> </tr> <tr> <td>CURRENT</td> <td></td> <td># 09-30-85</td> </tr> </tbody> </table>		# 10/85	PRELIMINARY NETWORK	ORIGINAL			CURRENT		# 09-30-85
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M. SRINIVASAN	PSB/DSI																				
	# 10/85	PRELIMINARY NETWORK																			
ORIGINAL																					
CURRENT		# 09-30-85																			
<p>• PROBLEM DESCRIPTION</p> <p># Task A-45 was approved as a USI by the NRC in December 1980. Although many improvements to the steam generator auxiliary feedwater system were required of the reactor manufacturers by the NRC following the TMI-2 accident, the staff feels that providing an alternative means of decay heat removal could substantially increase the plants' capability to deal with a broader spectrum of transients and accidents and potentially could, therefore, significantly reduce the overall risk to the public. Consequently, Task A-45 will investigate alternative means of decay heat removal in PWR plants, including but not limited to using existing equipment where possible. This Unresolved Safety Issue will also investigate the need and possible design requirements for improving reliability of decay heat removal systems in boiling water reactors (BWRs). The overall purpose of Task A-45 is to evaluate the adequacy of current licensing design requirements, in order to ensure that nuclear power plants do not pose an unacceptable risk due to failure to remove shut-down decay heat. The objective will be to develop a comprehensive and consistent set of shutdown cooling requirements for existing and future LWRs, including the study of alternative means of shutdown decay heat removal and of diverse "dedicated" systems for this purpose. The approach taken to this problem comprises the following subtasks:</p> <ul style="list-style-type: none"> # - Development of criteria to judge acceptability of decay heat removal systems in existing & future plants. - Development of means for improvement of DHR systems. - Assessment of existing plants to identify those in which DHR systems require improvement. - Development of a plan for implementing new requirements, if any, for DHR systems required to meet the acceptance criteria above. <p>The interrelation and relative timing of each of the sub-tasks is shown on the schedule network.</p>	<p>• RES INTERFACE INFORMATION</p> <p>Close coordination and cooperation will be required on Task A-45 between NRR and RES. RES assistance will be required from the Divisions of Risk Analysis, Accident Evaluation, and Engineering Technology. The Division of Risk Analysis will provide technical input from their Sandia Laboratory Program on Alternate Decay Heat Removal Concepts, technical evaluations relative to reliability and risk assessment for shutdown decay heat removal systems, and input from Task A-44, "Station Blackout," relative to shutdown cooling systems. The Division of Accident Evaluation will provide technical input relative to the transient response of existing and improved shutdown decay heat removal systems to transient events and small LOCA's. This will also include performing (in-house, contractors) detailed thermal-hydraulics analyses where required to support existing and improved decay heat removal systems behavior under transient and accident conditions. The Division of Engineering Technology will provide assistance in the preparation and publication (i.e., Rules, Regulatory Guides, Standard Review Plans) of a consistent and comprehensive set of shutdown decay heat removal requirements. At the outset, particular attention will need to be focused on the further development of Regulatory Guide 1.139, "Guidance for Residual Heat Removal to Achieve and Maintain Cold Shutdown," Revision 1.</p> <p>• ACRS INTERFACE INFORMATION</p> <ul style="list-style-type: none"> - Task Manager briefed the full committee on Sept. 10, 1981 # on the present plans and content of the A-45 Task Action Plan (TAP). # - ACRS Subcommittee on Decay Heat Removal Systems (DHRS) met on March 18, 1982, and Task Manager provided the subcommittee with an update of the TAP. - Further meetings with the full committee and subcommittee on DHRS will be held as the work on A-45 progresses and certain pre-determined milestones are completed. 	<p>• TECHNICAL ASSISTANCE CONTRACTS</p> <ul style="list-style-type: none"> - Supplemented UCLA Contract (FIN-86836) by 10K to provide direct technical assistance to Task Manager to develop a Task Action Plan for resolution of A-45. - Implemented a technical assistance contract with BNL (FIN-A-3381) for \$100K to make a determination whether it is feasible to separate all currently operating U.S. commercial LWR's into groups based on whether they have similar DHRS design characteristics to the six # plants covered in WASH-1400, RSSMAP, and IREP. # Implemented a technical assistance contract with Sandia (FIN A1309) to provide overall project management, technical direction and integration for the entire Task A-45 program. <table border="1"> <thead> <tr> <th>FIN NO.</th> <th>CONTRACTOR</th> <th>OBLIGATED</th> <th>EXPENDED</th> </tr> </thead> <tbody> <tr> <td>86836</td> <td>UCLA</td> <td>\$10,000</td> <td>\$10,000</td> </tr> <tr> <td># A3381</td> <td>BNL</td> <td>\$100,000</td> <td>\$74,000</td> </tr> <tr> <td># A1309</td> <td>Sandia</td> <td>\$400,000</td> <td>-</td> </tr> </tbody> </table>	FIN NO.	CONTRACTOR	OBLIGATED	EXPENDED	86836	UCLA	\$10,000	\$10,000	# A3381	BNL	\$100,000	\$74,000	# A1309	Sandia	\$400,000	-	<p>• POTENTIAL PROBLEMS</p> <p>Potential problem areas identified to date are:</p> <ul style="list-style-type: none"> - Obtaining sufficient NRR manpower to work on Task A-45. # - Development of appropriate reliability or quantitative goals for Task A-45 and translation of probabilistic results into licensing requirements. # - Program funding must be approved and obtained. - Obtaining necessary operating experience on shutdown cooling systems including the most current DHR system design information resulting from Post TMI changes. - Uncertainty in the quality of information that will be # available from ongoing reliability and risk assessments, on what schedule, and whether information can be extrapolated to all operating plants. - Close coordination and cooperation needed within NRR and between NRR and RES. - Number of plants that need to be assessed may be significantly greater than the plants that will have a # PRA or reliability study performed. # - Time to obtain approval of funding by NRC and the Senior Contract Review Board has been greater than expected by about six months (See Status Summary). <p>• STATUS SUMMARY</p> <p>The task manager has been selected and a draft Task Action Plan was published on May 22, 1981.</p> <p>Based on internal staff and ACRS comments, a revised TAP was approved on October 7, 1981.</p> <p># The Director of NRR did not approve the requested funding level for Task A-45 technical assistance work, and a "HOLD" was placed on the program in Nov. 1981. Various options were considered for Task A-45, most of which included reduced scope, funding and completion time. A recommended option was approved by The Director of NRR in Feb. 1982. A technical assistance contract package was approved by the Senior Contract Review Board on April 9, 1982 and implemented with the Contractor (Sandia) on May 10, 1982.</p>		
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SHUTDOWN DECAY HEAT REMOVAL REQUIREMENTS (A-45) PRELIMINARY NETWORK



SHUTDOWN DECAY HEAT REMOVAL REQUIREMENTS (A-45) (CONTINUED) PRELIMINARY NETWORK

(SEE STATUS SUMMARY REGARDING "HOLD" THAT WAS PLACED ON TASK A-45 PROGRAM.)



SEISMIC QUALIFICATION OF EQUIPMENT IN OPERATING PLANTS (A-46)

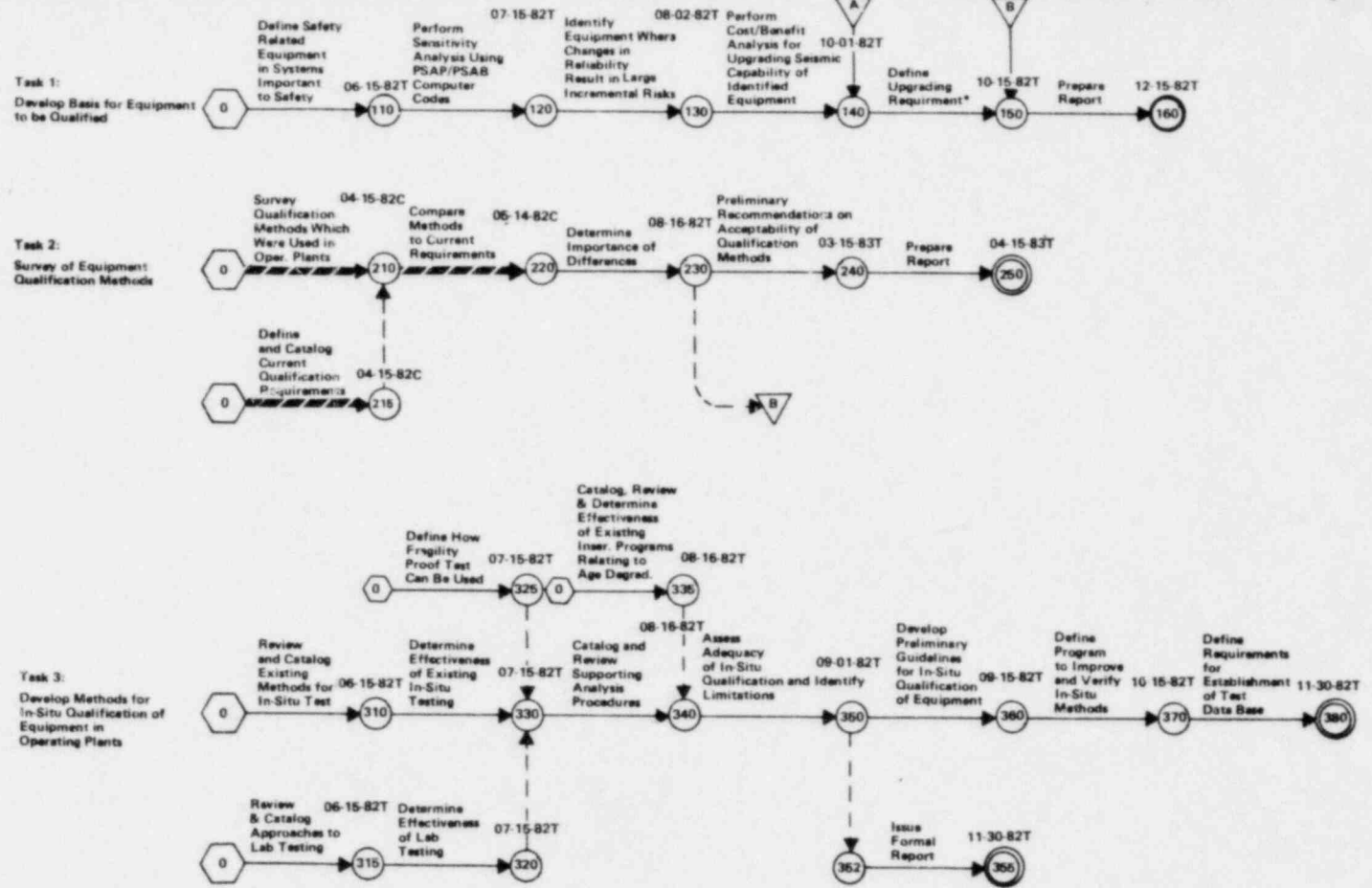
AS OF WEEK ENDING

MAY 21, 1982

KEY PERSONNEL		TASK REVIEWERS		SCHEDULED COMPLETION	
TASK MANAGER		NAME	BRANCH	ORIGINAL	
PATRICK SEARS X24218 <i>Patrick Sears</i>		JERRY JACKSON	EQB/DE		12-18-83
MPA ANALYST				CURRENT	# 06-01-85
B. ST. MARY X28330					

• PROBLEM DESCRIPTION	• RES INTERFACE INFORMATION	• TECHNICAL ASSISTANCE CONTRACTS	• POTENTIAL PROBLEMS																
<p># Task A-46 was approved as a USI by the NRC December, 1980.</p> <p>The design criteria and methods for the seismic qualification of mechanical and electrical equipment in nuclear power plants have undergone significant change during the course of the commercial nuclear power program. Consequently, the margins of safety provided in existing equipment to resist seismically induced loads and perform the intended safety functions may vary considerably. The seismic qualification of the equipment in operating plants must, therefore, be reassessed to ensure the ability to bring the plant to a safe shutdown condition when subject to a seismic event. The objective of this Unresolved Safety Issue, is to establish an explicit set of guidelines that could be used to judge the adequacy of the seismic qualification of mechanical and electrical equipment at all operating plants in lieu of attempting to backfit current design criteria for new plants. This guidance will concern equipment required to safely shutdown the plant, as well as equipment whose function is not required for safe shutdown, but whose failure could result in adverse conditions which might impair shutdown functions. Also, explicit guidelines will be established for use in requalifying equipment whose seismic qualification was found to be inadequate.</p> <p>A preliminary breakdown of the tasks is as follows:</p> <p># Task 1 Develop Basis for Equipment to be Qualified</p> <p># Task 2 Survey of Equipment Qualification Methods</p> <p># Task 3 Develop Methods for In-Situ Qualification of Equipment in Operating Plants</p> <p># Task 4 Seismic Qualification of Equipment Using Non-Nuclear Plant Dynamic Response Information</p> <p># Task 5 Develop Guidelines for Qualification Response Spectra</p> <p>Task 6 Document Results of Task A-46 and Prepare a Final NUREG</p>	<p># RES has placed a contract with Southwest Research Institute to survey seismic qualification methodology.</p> <p>• ACRS INTERFACE INFORMATION</p> <p>A preliminary Task Action Plan was presented to the ACRS. The staff plans to meet with the ACRS at appropriate times to present the status of program results.</p>	<p>A statement of work has been written to study appropriate methods of requalifying equipment in operating plants. Laboratory and in-situ testing are being considered. A funding authorization of \$50K has been sent to Edgerton, Germeshausen & Grier (EG&G) to start work on Task 3.</p> <p>A statement of work has been written to review and analyze inservice dynamic response data observed in non-nuclear power plants and industrial facilities to aid in the qualification of equipment in nuclear plants. A funding authorization of \$50K has been sent to Lawrence Livermore Laboratory (LLL) to start work on Task 2.</p> <p># A Statement of Work has been written to develop a basis for selecting equipment to be qualified and to develop guidelines and criteria for qualification response spectra. A funding of \$125K has been sent to Brookhaven National Laboratory (BNL) for this work. This contract is und. EQB cognizance.</p> <table border="1"> <thead> <tr> <th>FIN NO.</th> <th>CONTRACTOR</th> <th>OBLIGATED</th> <th>EXPENDED</th> </tr> </thead> <tbody> <tr> <td># A0423</td> <td>LLNL</td> <td>\$50K</td> <td>\$10K (est.)</td> </tr> <tr> <td># A6474</td> <td>INEL</td> <td>\$50K</td> <td>\$10K (est.)</td> </tr> <tr> <td># A3387</td> <td>BNL</td> <td>\$125K</td> <td>\$20K (est.)</td> </tr> </tbody> </table>	FIN NO.	CONTRACTOR	OBLIGATED	EXPENDED	# A0423	LLNL	\$50K	\$10K (est.)	# A6474	INEL	\$50K	\$10K (est.)	# A3387	BNL	\$125K	\$20K (est.)	<p>• STATUS SUMMARY</p> <p># Work has been initiated on all tasks with all contractors well into their first subtasks. A walkthrough of non-nuclear power plants which survived the 1971 San Fernando Earthquake has been conducted. Meetings have taken place with members of the Owner's Group who are surveying nuclear and non-nuclear equipment.</p>
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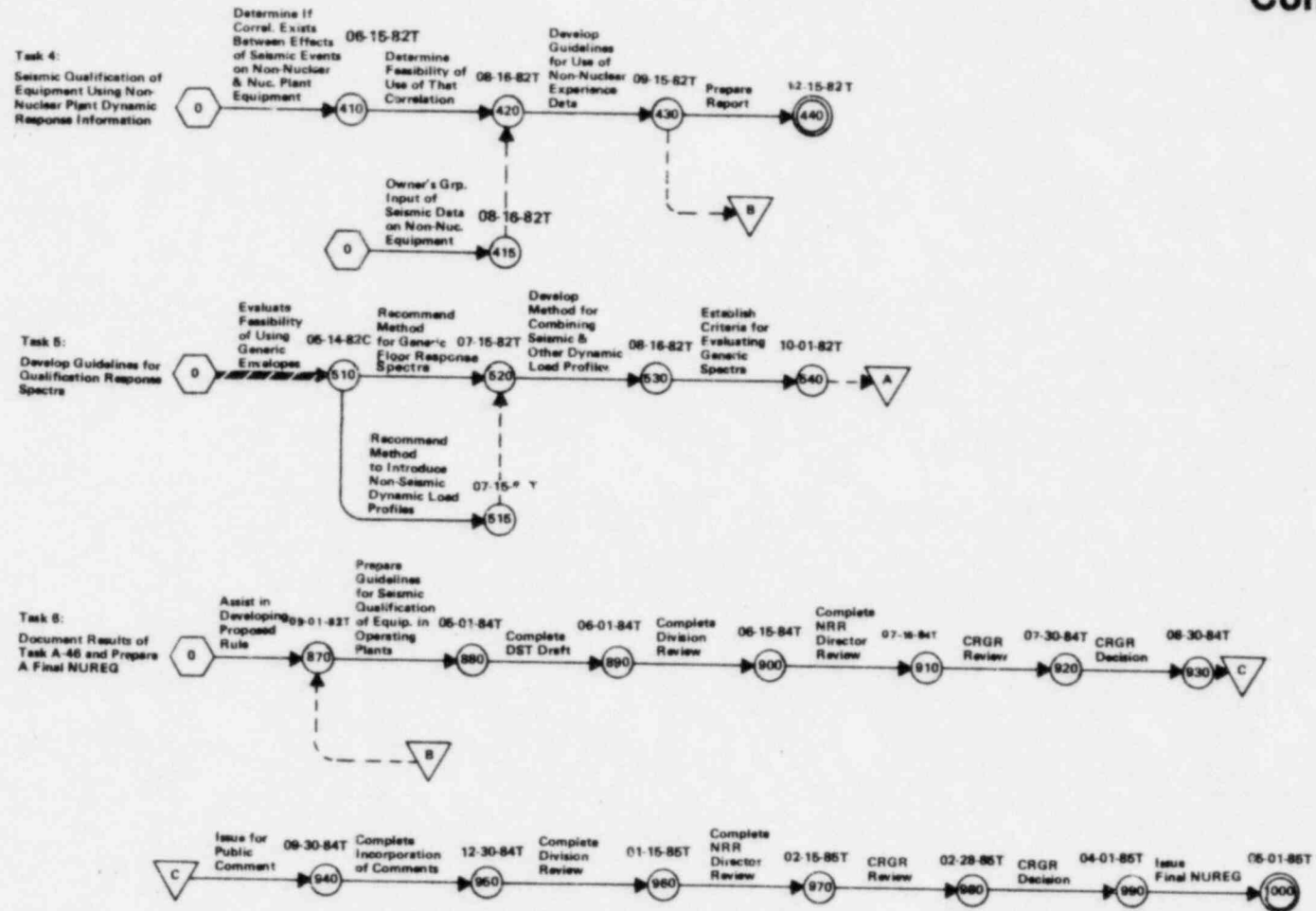
SEISMIC QUALIFICATION OF EQUIPMENT IN OPERATING PLANTS (A-46)



*Required Upgrading: (1) Upgrade None, (2) Upgrade High Risk Only, (3) Upgrade All.

SEISMIC QUALIFICATION OF EQUIPMENT IN OPERATING PLANTS (A-46)

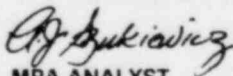
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SAFETY IMPLICATIONS OF CONTROL SYSTEMS (A-47)

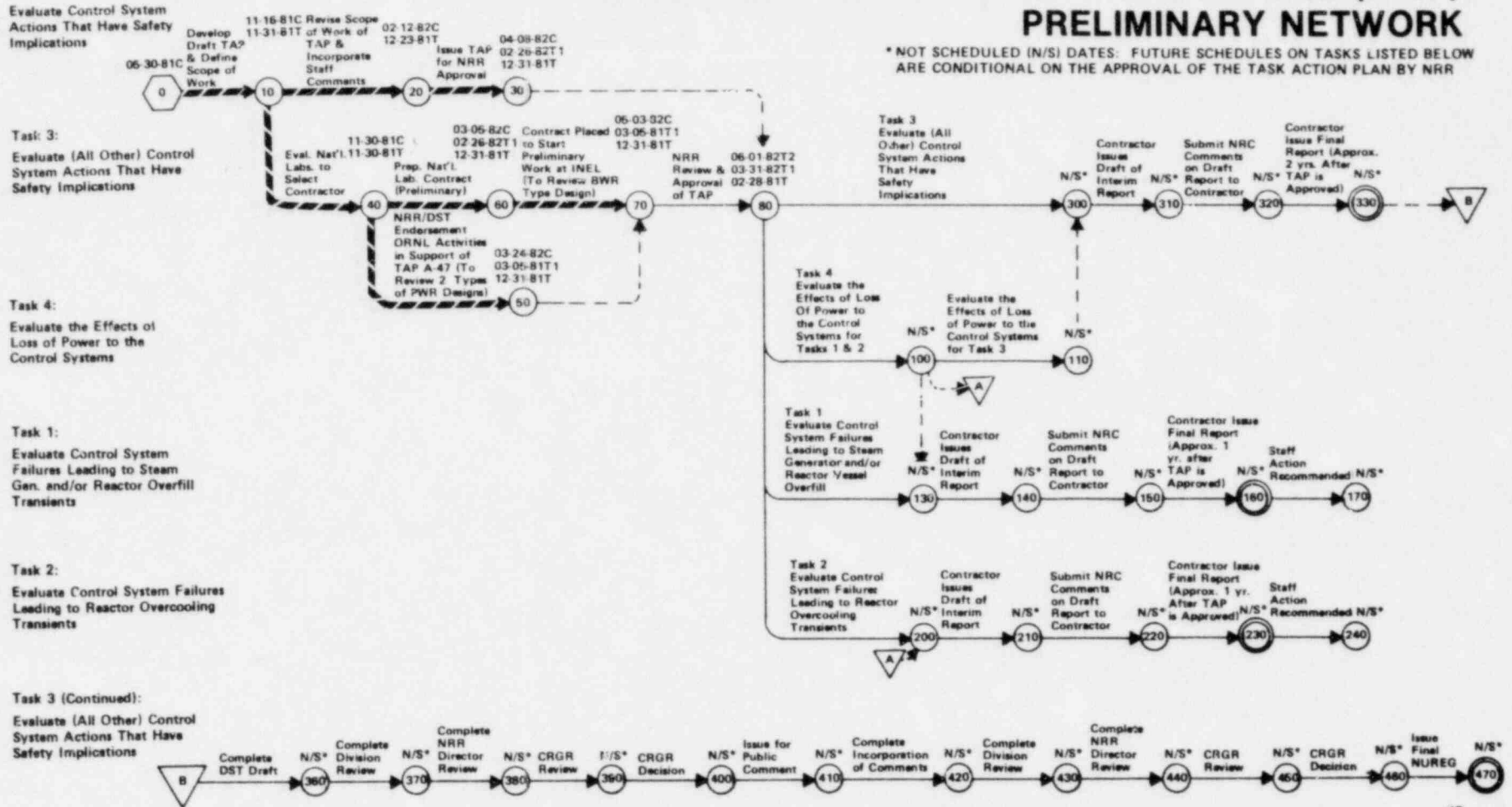
AS OF WEEK ENDING

MAY 21, 1982

KEY PERSONNEL	TASK REVIEWERS	F. ORR	SCHEDULED COMPLETION																
TASK MANAGER ANDREW SZUKIEWICZ (IGIB) X24713  MPA ANALYST M. ANDERSON X27021	<table border="1"> <thead> <tr> <th>NAME</th> <th>BRANCH</th> </tr> </thead> <tbody> <tr> <td>D. BASDEKAS</td> <td>DFO/RES</td> </tr> <tr> <td>C. ROSSI</td> <td>ICSB/DSI</td> </tr> <tr> <td>#S. NEWBERRY</td> <td>RRAB/DST</td> </tr> </tbody> </table>	NAME	BRANCH	D. BASDEKAS	DFO/RES	C. ROSSI	ICSB/DSI	#S. NEWBERRY	RRAB/DST	<table border="1"> <thead> <tr> <th>RSB/DSI</th> </tr> </thead> <tbody> <tr> <td>M. CHIRAMAL</td> </tr> <tr> <td>J. T. BEARD</td> </tr> <tr> <td>#W. KENNEDY</td> </tr> </tbody> </table>	RSB/DSI	M. CHIRAMAL	J. T. BEARD	#W. KENNEDY	<table border="1"> <thead> <tr> <th>1978 ANNUAL REPORT</th> <th>NOT DETERMINED</th> </tr> </thead> <tbody> <tr> <td>CURRENT</td> <td>N/S</td> </tr> </tbody> </table>	1978 ANNUAL REPORT	NOT DETERMINED	CURRENT	N/S
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1978 ANNUAL REPORT	NOT DETERMINED																		
CURRENT	N/S																		
<p>• PROBLEM DESCRIPTION</p> <p># Task A-47 was approved as a USI by the NRC in December 1980.</p> <p>This issue concerns the potential for accidents or transients being made more severe as a result of control system failures or malfunctions. These failures or malfunctions may occur independently or as a result of the accident or transient under consideration and would be in addition to any control system failure that may have initiated the event. Although it is generally believed that control system failures are not likely to result in loss of safety functions which could lead to serious events or result in conditions that safety systems are not able to cope with, in-depth studies have not been performed to support this belief. The potential for an accident that would affect a particular control system and the effects of the control system failures will differ from plant to plant. Therefore, it is not likely that it will be possible to develop generic answers to these concerns, but rather plant-specific reviews will be required. The purpose of this Unresolved Safety Issue is to define generic criteria that may be used for plant-specific reviews. A specific subtask of this issue will be to study the steam generator overfill transient in PWRs and the reactor overfill transient in BWRs to determine and define the need for preventive and/or mitigating design measures to accommodate this transient.</p>	<p>• RES INTERFACE INFORMATION</p> <p>Close coordination will be required on Task A-47 between NRR and RES. RES assistance will be required from the Division of Facilities Operations and the Division of Risk Analysis. The Division of Facilities Operations will provide input from their research programs (currently being developed in conjunction with A-47) on control system interactions. The Division of Risk Analysis will provide input on their current on-going ORNL program ("Evaluation of Pressurized Thermal Shock"). Other research activities are being evaluated to determine their significance to A-47 and may be identified later.</p> <p>• ACRS INTERFACE INFORMATION</p> <p>The ACRS Subcommittee on Electrical Power Systems (Dr. Kerr) met on the issue on 1/23/81 to initiate an approximate six month study at the request of Chairman Ahearn.</p> <p>Elements of conceptual Task Action Plan were discussed with ACRS on 05-07-81.</p>	<p>• TECHNICAL ASSISTANCE CONTRACTS</p> <p>During the week of July 20, 1981, meetings were held # with INEL, EG&G (Idaho Falls), Battelle Northwest and Lawrence Livermore Labs. for the purpose of discussing the A-47 objectives and to assess the type of activities that could best be conducted by these organizations. Similar meetings with ORNL and Sandia Labs. # were held July 9, 1981. A Technical Assistance (T.A.) contract with ORNL (FIN B-0467) was established through NRR/RES. RES will conduct a review of two different types of PWR designs, and perform the activities identified in Tasks 1, 2, 3 and 4 of Task Action Plan A-47. A separate T.A. contract to perform the review on one BWR type design was established with INEL (FIN A-6477). A T.A. contract to review a third PWR design will be established in late FY 1982. The technical assistance contracts will perform the following tasks:</p> <ol style="list-style-type: none"> # 1. Evaluate Control System Failures Leading to Steam Generator and/or Reactor Overfill Transients # 2. Evaluate Control System Failures Leading to Reactor Overcooling Transients # 3. Evaluate (All Others) Control System Actions That Have Safety Implications # 4. Evaluate the Effects of Loss of Power to the Control Systems <p>Additional Technical Assistance Contract work will be needed for Task A-47 and is being defined as part of the developing Task Action Plan.</p> <table border="1"> <thead> <tr> <th>FIN NO.</th> <th>CONTRACTOR</th> <th>OBLIGATED</th> <th>EXPENDED</th> </tr> </thead> <tbody> <tr> <td># A-6477</td> <td>INEL</td> <td>\$ 50,000</td> <td></td> </tr> <tr> <td># B-0467</td> <td>ORNL</td> <td>\$600,000</td> <td></td> </tr> </tbody> </table>	FIN NO.	CONTRACTOR	OBLIGATED	EXPENDED	# A-6477	INEL	\$ 50,000		# B-0467	ORNL	\$600,000		<p>• POTENTIAL PROBLEMS</p> <p>Obtain necessary operating experience information on Non-Safety Control Systems for the Nuclear Steam System (NSS) and the Balance of Plant (BOP) systems.</p> <p>Obtain necessary design information (i.e., schematics and systems description) for the Non-Safety Control System designs for the NSS and the BOP designs.</p> <p>Traditionally, licensees were not required to provide design or operating experience on Non-Safety Systems and therefore this information may be difficult to obtain.</p> <p># Obtain timely concurrence and approval of Task Action Plan A-47 by ICSB/DSI/NRR.</p> <p>• STATUS SUMMARY</p> <p># A task manager has been selected. A revised Draft Task Action Plan was issued in April, 1982 for staff concurrence and approval. A conceptual network has been developed and the task work schedules are being developed. Management approval of the Task Action Plan is expected by 06/01/82.</p> <p># A work order was placed with INEL (May 3, 1982) to start preliminary work. Model development for computer simulation of the control systems is underway at ORNL.</p>				
FIN NO.	CONTRACTOR	OBLIGATED	EXPENDED																
# A-6477	INEL	\$ 50,000																	
# B-0467	ORNL	\$600,000																	

SAFETY IMPLICATIONS OF CONTROL SYSTEMS (A-47) PRELIMINARY NETWORK

* NOT SCHEDULED (N/S) DATES: FUTURE SCHEDULES ON TASKS LISTED BELOW ARE CONDITIONAL ON THE APPROVAL OF THE TASK ACTION PLAN BY NRR



HYDROGEN CONTROL MEASURES AND EFFECTS OF HYDROGEN BURNS ON SAFETY EQUIPMENT (A-48)

AS OF WEEK ENDING MAY 21, 1982

KEY PERSONNEL		TASK REVIEWERS		SCHEDULED COMPLETION		
TASK MANAGER CLIFFORD ANDERSON X2740R <i>Clifford Anderson</i>		NAME BRANCH <hr/> <hr/> <hr/> <hr/>		ORIGINAL <u>NOT DETERMINED</u>		
MPA ANALYST D. SCHWARZ X27106		NOT ASSIGNED <hr/> <hr/>		CURRENT <u>N/S</u>		
<p>• PROBLEM DESCRIPTION</p> <p># Task A-48 was approved as a USI by the NRC in December 1980.</p> <p>Postulated reactor accidents which result in a degraded or melted core can result in generation and release to the containment of large quantities of hydrogen. The hydrogen is formed from the reaction of the zirconium fuel cladding with steam at high temperatures and/or by radiolysis of water. Experience gained from the TMI-2 accident indicates that we may want to require more specific design provisions for handling larger hydrogen releases than currently required by the regulations particularly for smaller, low pressure containment designs.</p> <p>This USI will investigate means to predict the quantity and release rate of hydrogen following degraded core accidents and various means to cope with large releases to the containment such as inerting of the containment or controlled burning. The potential effects of proposed hydrogen control measures on safety including the effects of hydrogen burns on safety related equipment will be investigated.</p>	<p>• RES INTERFACE INFORMATION TO BE DEVELOPED</p>	<p>• TECHNICAL ASSISTANCE CONTRACTS TO BE DEVELOPED</p>	<p>• POTENTIAL PROBLEMS</p>	<p>• STATUS SUMMARY</p> <p># A draft Task Action Plan (TAP) was issued for NRC comments on 4/02/82. Work has been suspended pending management decision on scope of TAP.</p>	<p>• ACRS INTERFACE INFORMATION TO BE DEVELOPED</p>	<p>FIN NO. CONTRACTOR OBLIGATED EXPENDED</p>

INDICATES A CHANGE IN INFORMATION

PRESSURIZED THERMAL SHOCK (A-49)

AS OF WEEK ENDING

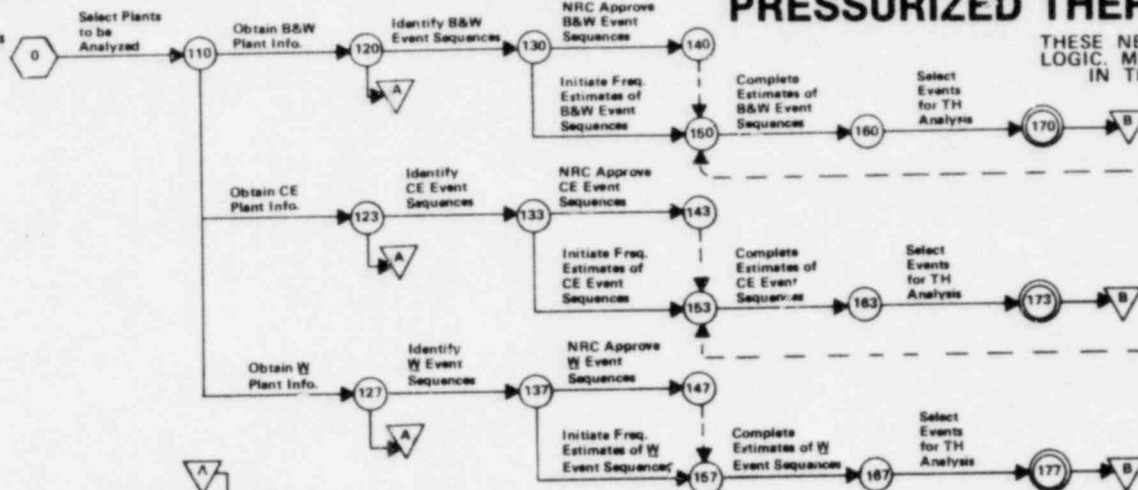
MAY 21, 1982

KEY PERSONNEL	TASK REVIEWERS	AS OF WEEK ENDING	SCHEDULED COMPLETION																																												
<p>TASK MANAGER ROY WOODS X24714</p> <p><i>Roy Woods</i></p> <p>MPA ANALYST DIANE SCHWARZ X27106</p> <p>• PROBLEM DESCRIPTION # This task was designated a USI by the NRC in December 1981. Neutron irradiation of reactor pressure vessel weld and plate materials decreases the fracture toughness of the materials. The fracture toughness sensitivity to radiation induced change is increased by presence of certain materials such as copper. Decreased fracture toughness makes it more likely that, if a severe overcooling event occurs followed by or concurrent with high vessel pressure, and if a small crack is present on the vessel's inner surface, that crack could grow to a size that might threaten vessel integrity. Severe pressurized overcooling events are improbable since they require multiple failures and improper operator performance. However, certain precursor events have happened that could have potentially threatened vessel integrity if additional failures had occurred and/or if the vessel had been more highly irradiated. Therefore, the possibility of vessel failure due to a severe pressurized overcooling event cannot be ruled out.</p>	<p>NAME BRANCH</p> <p>E. THROM RSB/NRR</p> <hr/> <p>C. JOHNSON RES</p> <hr/> <p>L. LOIS CPB/DSI</p> <hr/> <p>J. STROSNIDER RES</p> <hr/> <p>M. VAGINS RES</p> <p>• RES INTERFACE INFORMATION A major portion of the work is being performed under a contract with Oak Ridge National Laboratory through the Division of Risk Analysis, RES (FIN # B0466). Other major contributors are: Primary System Integrity Research Program through the Division of Engineering Technology, RES and Code Applications Program through the Division of Accident Evaluation, RES</p> <p>• ACRS INTERFACE INFORMATION Meetings have been held and will be scheduled as necessary with the Subcommittee on Metallic Components and with the full ACRS.</p>	<p>R. JOHNSON GIB/DST</p> <hr/> <p>R. KLECKER MTEB/DE</p> <hr/> <p>N. RANDALL MTEB/DE</p> <hr/> <p>G. VISSING ORB4/DL</p> <hr/> <p>J. CLIFFORD PTRB/HFS</p> <hr/> <p>• TECHNICAL ASSISTANCE CONTRACTS # Contract (B-2510) issued to PNL. PNL will provide their recommendations regarding the necessity of corrective actions, and will provide peer review of recommendations being considered by the NRC staff. # The following RES contracts are providing technical assistance to the PTS program. These are in addition to the technical assistance contracts which were initiated to specifically address the PTS issue and listed in the table below.</p> <table border="1"> <thead> <tr> <th>FIN No.</th> <th>Description</th> </tr> </thead> <tbody> <tr><td>#B0119</td><td>HSST</td></tr> <tr><td>#B8133</td><td>LWR Pressure Boundary Integrity</td></tr> <tr><td>#B5988</td><td>Surveillance Dosimetry</td></tr> <tr><td>#B0415</td><td>Pressure Vessel Simulation</td></tr> <tr><td>#B6224</td><td>Dosimetry Meas. Data Base</td></tr> <tr><td>#B7026</td><td>JR Curve</td></tr> <tr><td>#A3215</td><td>Code Assessment and Application</td></tr> <tr><td>#A6047</td><td>Code Assessment and Applications</td></tr> <tr><td>#A7027</td><td>Analytical Res. in LWR Safety</td></tr> <tr><td>#A7217</td><td>TRAC Calc Assistance</td></tr> <tr><td>#B0468</td><td>Pressurized Thermal Shock</td></tr> </tbody> </table> <table border="1"> <thead> <tr> <th>FIN NO.</th> <th>CONTRACTOR</th> <th>OBLIGATED</th> <th>EXPENDED</th> </tr> </thead> <tbody> <tr> <td>#B 2510</td> <td>PNL</td> <td>\$400K</td> <td>\$200K est.</td> </tr> <tr> <td>#A 7272</td> <td>LANL</td> <td>\$210K FY82</td> <td>\$ 80K est.</td> </tr> <tr> <td></td> <td></td> <td>\$210K FY83</td> <td></td> </tr> <tr> <td>#A 3387</td> <td>BNL</td> <td>\$210K</td> <td>\$ 94K est.</td> </tr> </tbody> </table>	FIN No.	Description	#B0119	HSST	#B8133	LWR Pressure Boundary Integrity	#B5988	Surveillance Dosimetry	#B0415	Pressure Vessel Simulation	#B6224	Dosimetry Meas. Data Base	#B7026	JR Curve	#A3215	Code Assessment and Application	#A6047	Code Assessment and Applications	#A7027	Analytical Res. in LWR Safety	#A7217	TRAC Calc Assistance	#B0468	Pressurized Thermal Shock	FIN NO.	CONTRACTOR	OBLIGATED	EXPENDED	#B 2510	PNL	\$400K	\$200K est.	#A 7272	LANL	\$210K FY82	\$ 80K est.			\$210K FY83		#A 3387	BNL	\$210K	\$ 94K est.	<p>ORIGINAL Not Determined</p> <hr/> <p>CURRENT # 06-30-83</p> <p>• POTENTIAL PROBLEMS # None.</p> <p>• STATUS SUMMARY # Draft short-term position is under preparation. Draft PNL proposed position has been received and is under review. ORNL has proposed the first three event sequences to be analyzed and they are under staff review. Review of the "150-day responses" has been completed. Results of the review are being integrated into the June staff position. # The final Task Action Plan for A-49 was approved and issued on March 26, 1982.</p>
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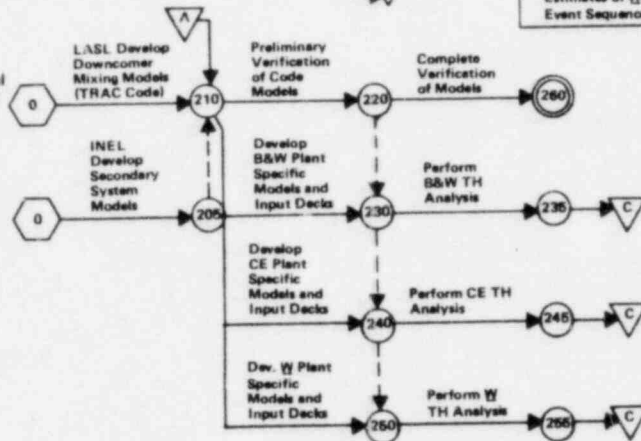
PRESSURIZED THERMAL SHOCK (A-49)

THESE NETWORKS REPRESENT THE PROGRAM LOGIC. MILESTONES DATES WILL BE PROVIDED IN THE NEXT ISSUE OF AQUA BOOK.

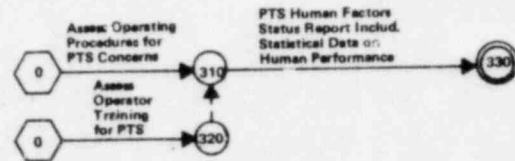
Task 1:
Identification and Analysis of PTS Event Sequences



Task 2:
Development of Thermal Hydraulics (TH) Models

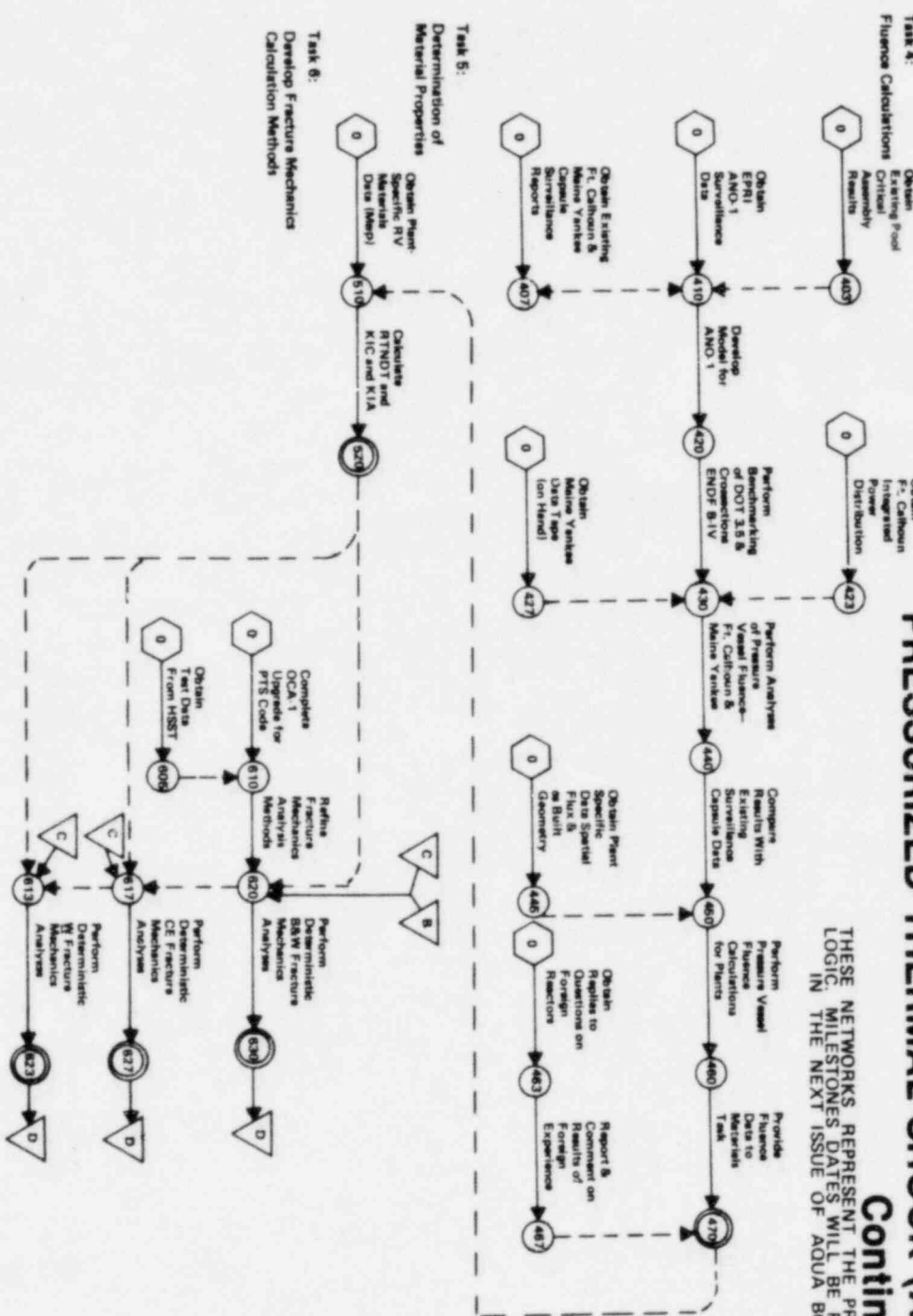


Task 3:
PTS Human Factors



PRESSURIZED THERMAL SHOCK (A-49)

Continued
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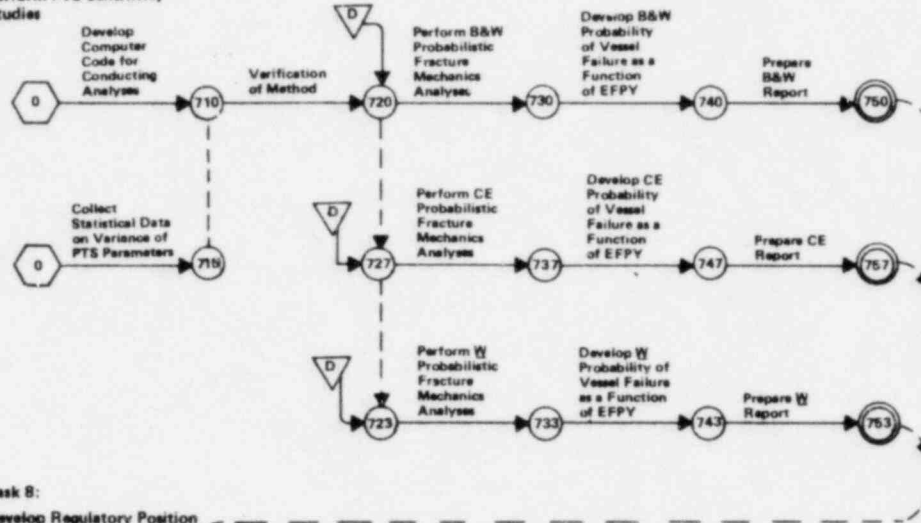


PRESSURIZED THERMAL SHOCK (A-49) Continued

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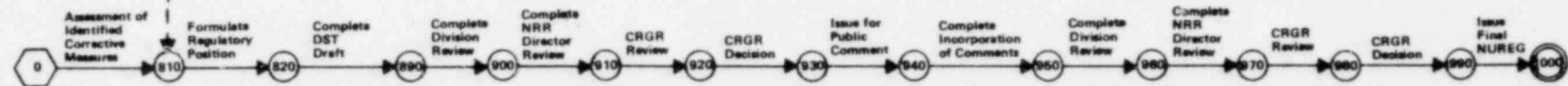
Task 7:

Perform PTS Sensitivity Studies



Task 8:

Develop Regulatory Position



NRC FORM 335 (7-77)		U.S. NUCLEAR REGULATORY COMMISSION BIBLIOGRAPHIC DATA SHEET		1. REPORT NUMBER (Assigned by DDC) NUREG-0606, Vol. 4, No. 2	
4. TITLE AND SUBTITLE (Add Volume No., if appropriate) Unresolved Safety Issues Summary (Aqua Book)				2. (Leave blank)	
7. AUTHOR(S)				3. RECIPIENT'S ACCESSION NO.	
9. PERFORMING ORGANIZATION NAME AND MAILING ADDRESS (Include Zip Code) Office of Resource Management Management Information Branch U. S. Nuclear Regulatory Commission Washington, D. C. 20555				5. DATE REPORT COMPLETED MONTH YEAR May 1982	
12. SPONSORING ORGANIZATION NAME AND MAILING ADDRESS (Include Zip Code) Office of Resource Management Management Information Branch U. S. Nuclear Regulatory Commission Washington, D.C. 20555				DATE REPORT ISSUED MONTH YEAR June 1982	
13. TYPE OF REPORT				6. (Leave blank)	
15. SUPPLEMENTARY NOTES				8. (Leave blank)	
16. ABSTRACT (200 words or less) Provide an overview of the status of the progress and plans for resolution of the generic tasks addressing "Unresolved Safety Issues" as reported to Congress.				10. PROJECT/TASK/WORK UNIT NO.	
17. KEY WORDS AND DOCUMENT ANALYSIS				11. CONTRACT NO.	
17a. DESCRIPTORS				13. PERIOD COVERED (Inclusive dates) February 19, 1982 - May 21, 1982	
17b. IDENTIFIERS/OPEN-ENDED TERMS				14. (Leave blank)	
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