

TMI ACTION PLAN TRACKING SYSTEM (APTS)

24 NOVEMBER 1980

MASTER LIST OF ALL ACTION ITEMS (RUN DATE: 12/03)

SUMMARY OF ACTION ITEMS:

CHAPTER I : 54 (OPERATIONAL SAFETY)  
CHAPTER II : 58 (SITING AND DESIGN)  
CHAPTER III : 30 (EMERGENCY PREPAREDNESS AND RADIATION EFFECTS)  
CHAPTER IV : 17 (PRACTICES AND PROCEDURES)  
TOTAL 159

→ Break out by importance sub item  
→ trackable items reported.

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

COMPLETE (IMPLEMENTATION) : 13 (11,2,0,0)  
PRIORITY '1' ITEMS : 10 (8,2,0,0)

REQMENT (REQUIREMENT ISSUED, IMPLEMENTATION NOT COMPLETE) : 3 (1,2,0,0)  
PRIORITY '1' ITEMS : 3 (1,2,0,0)

INACTIVE : 34 (11,12,4,7)  
PRIORITY '1' ITEMS : 2 (1,1,0,0)

ACTIVE : 109 (31,42,26,10)  
PRIORITY '1' ITEMS : 35 (17,13,5,0)

\*RED AND YELLOW ITEMS : 34 (3,22,8,1)  
PRIORITY '1' ITEMS : 12 (2,10,0,0)

\*COMMISSION ACTION ITEMS : 24 (10,6,4,4)  
PRIORITY '1' ITEMS : 5 (4,1,0,0)

COMMENTS:

COMMENTS OR QUESTIONS REGARDING THIS MATERIAL SHOULD BE DIRECTED TO  
PAUL VINEYARD, MPA (X27533, MNBB-12711)

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

I.A.1.1  
YELLOW

OPERATIONAL SAFETY - SHIFT TECHNICAL ADVISOR (NRR) NRR,IE REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: 42055) RESPONSIBLE BRANCH/DIVISION: LQB, DHFS CONTACT: LAWRENCE CROCKER (X29437)  
OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
PURPOSE AND SCOPE: 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  
UNDERWAY 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 RE TRAINING  
REQUIREMENTS TO ALL LICENSES ISSUED 09/05/80.  
CURRENT STATUS: SAME AS ACCOMPLISHMENTS.  
ISSUES: INPO STA REQUIREMENTS ARE ACCEPTABLE FOR INTERIM GUIDANCE. STAFF NOT YET IN POSITION TO FULLY  
ENDORSE SET OF MINIMUM REQUIREMENTS. MORE RIGOROUS INPO GUIDANCE CANNOT BE MET BY 1/1/81.

I.A.1.2  
COMPLETE

OPERATIONAL SAFETY - SHIFT SUPERVISOR ADMIN. DUTIES (NRR) NRR REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: 42056) RESPONSIBLE BRANCH/DIVISION: LQB, DHFS CONTACT: FRED ALLENSPACH (X27741)  
OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
PURPOSE AND SCOPE: 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 NOT BE REVIEWED TO ASSURE CONFORMANCE.  
ACCOMPLISHMENTS: LICENSEES OF OPERATING REACTORS COMPLETED THIS TASK BY 01/80. APPLICANTS FOR OL WILL  
COMPLETE BY FUEL LOADING.  
CURRENT STATUS: SAME AS CURRENT AND ACCOMPLISHMENTS.  
ISSUES: NONE

I.A.1.3  
REQMENT  
GREEN

OPERATIONAL SAFETY - SHIFT MANNING (NRR) NRR,IE REVISED: 10/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: 42057) RESPONSIBLE BRANCH/DIVISION: LQB, DHFS CONTACT: LAWRENCE CROCKER (X29437)  
OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
PURPOSE AND SCOPE: 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 07/31/80.  
CURRENT STATUS: LICENSEES WERE TOLD TO RESPOND TO LETTER WITHIN 90 DAYS OF RECEIPT (OF JULY 31 LETTER)  
AS TO DATE THEY WILL COMPLY.  
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.



I.A.1.4 OPERATIONAL SAFETY - LONG-TERM UPGRADING (SD) SD REVISED: 11/80  
GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY -  
COMMISSION(TACS: RS0181) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: WILLIAM CAMPBELL (X35913)  
OTHER OFFICE/INDIVIDUAL: NRR/D. VASSALLO; IE/S. BRYAN; OELD/G. CUNNINGHAM  
PURPOSE AND SCOPE: DEVELOP CHANGES TO 10 CFR 50 CONCERNING SHIFT STAFFING BY LICENSED OPERATORS AND  
WORKING HOURS OF LICENSED OPERATORS.  
SCHEDULE: (ORIGINAL) SD, STAFF REVIEW OF COMMISSION PAPER - 09/80, COMPLETE ITEM - 01/82. (CURRENT) SD STAFF  
REVIEW IN PROGRESS.  
ACCOMPLISHMENTS: 10/29 NRR & SD PARTIAL AGREEMENT ON WORKING HOUR LIMITATIONS.  
CURRENT STATUS: 10/29 NRR SD MEETING DID NOT RESOLVE ALL ISSUES MEETING SCHEDULED FOR 11/12/80.  
ISSUES: NUMBER OF LICENSED OPERATORS BASED ON NUMBER OF REACTORS, CONTROL ROOM CONFIGURATION  
& OPERATING MODE SHOULD CURRENT RULEMAKING BE EXPANDED TO INCLUDE NONLICENSED INDIVIDUALS.  
COMMISSION ACTION: REVIEW

I.A.2.1 IMMEDIATE UPGRADING OF OPERATOR AND SENIOR OPERATOR TRAINING AND QUALIFICATIONS (NRR) NRR,ADM,IE REVISED: 10/80  
COMPLETE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: PAUL COLLINS (X27486)  
OTHER OFFICE/INDIVIDUAL: NONE  
PURPOSE AND SCOPE: 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: NONE

I.A.2.2 TRAINING AND QUALIFICATION REQUIREMENTS FOR OPERATIONS PERSONNEL (NRR) NRR,IE REVISED: 10/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(TACS: 42626) RESPONSIBLE BRANCH/DIVISION: LQB/HFS CONTACT: ROBERT BENEDICT (X27317)  
OTHER OFFICE/INDIVIDUAL: NRR/E. PEDERSEN, J. MCMILLEN  
PURPOSE AND SCOPE: DEVELOP GUIDANCE FOR QUALIFICATIONS AND TRAINING REQUIREMENTS FOR ALL OPERATIONS  
PERSONNEL, INCLUDING MAINTENANCE AND TECHNICAL PERSONNEL.  
SCHEDULE: (ORIGINAL) ISSUE REQUIREMENTS - 10/80. (CURRENT) ISSUE GUIDANCE 11/80.  
ACCOMPLISHMENTS: PRELIMINARY INTERNAL DRAFT GUIDANCE FOR MAINTENANCE PERSONNEL 9/80.  
CURRENT STATUS: INTERNAL REVIEW OF DRAFT GUIDANCE FOR MAINTENANCE PERSONNEL IS UNDER WAY.  
ISSUES: A PROGRAM FOR DETERMINING THE REQUIREMENTS FOR OTHER UNLICENSED PERSONNEL IS TO BE DEVELOPED.

I.A.2.3 ADMINISTRATION OF TRAINING PROGRAMS (NRR) NRR,ADM REVISED: 10/80  
INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: JOE MCMILLEN (X27476)  
OTHER OFFICE/INDIVIDUAL: NONE  
PURPOSE AND SCOPE: 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: NONE TO DATE.  
CURRENT STATUS: PROGRAM SCHEDULED FOR FY81.  
ISSUES: NONE

- I.A.2.4 INACTIVE NRR,IE REVISED: 10/80  
NRR PARTICIPATION IN INSPECTOR TRAINING (IE)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 3  
(TACS: 42448) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: JOE MCMILLEN (X27476)  
OTHER OFFICE/INDIVIDUAL: IE/J. LEDOUX  
PURPOSE AND SCOPE: PROVIDE INSTRUCTION TO IE INSPECTORS REGARDING THE ROLE AND LICENSING OF REACTOR OPERATIONS STAFF.  
SCHEDULE: (ORIGINAL) INITIATE PROGRAM IN FY 82. (CURRENT) ON SCHEDULE.  
ACCOMPLISHMENTS: NONE TO DATE.  
CURRENT STATUS: NOT SCHEDULED UNTIL FY 82.  
ISSUES: NONE
- I.A.2.5 INACTIVE NRR REVISED: 10/80  
TRAINING AND QUALIFICATION OF OPERATING PERSONNEL - PLANT DRILLS (NRR)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: JOE MCMILLEN (X27476)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: LICENSES WILL DEVELOP AND CONDUCT IN-PLANT DRILLS.  
SCHEDULE: (ORIGINAL) SHORT TERM REQUIREMENTS WERE TO BE ISSUED BY 1/81. (CURRENT) REQUIREMENT ISSUANCE MAIL SLIP.  
ACCOMPLISHMENTS:  
CURRENT STATUS: AWAITING THE NRR-80-117 CONTRACT COMPLETION.  
ISSUES:
- I.A.2.6(1) GREEN SD,NRR,IE,ADM REVISED: 11/80  
LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (SD)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: STEVEN RICHARDSON (X35913)  
OTHER OFFICE/INDIVIDUAL: NRR/P. COLLINS; IE/S. BRYAN  
PURPOSE AND SCOPE: 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) ISSUE REG GUIDE 1.8 FOR PUBLIC COMMENT 09/80, ISSUE AN EFFECTIVE REG GUIDE 02/82.  
ACCOMPLISHMENTS:  
CURRENT STATUS: DRAFT GUIDE REVISION ISSUED 10/02/80.  
ISSUES:
- I.A.2.6(2) YELLOW COMMISSION SD,NRR,IE,ADM REVISED: 11/80  
LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (SD)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: STEVEN RICHARDSON (X35913)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: STAFF REVIEW OF NRR-80-117 "REQUIREMENTS FOR OPERATOR LICENSING" & MAKE RECOMMENDATIONS TO THE COMMISSION.  
SCHEDULE: (ORIGINAL) COMPLETE REVIEW - 9/80; SUBMIT PAPER TO COMMISSION 12/1/80; (CURRENT) SAME ONLY 1/15/81  
ACCOMPLISHMENTS:  
CURRENT STATUS: CONTRACT NOT YET COMPLETE - EXPECT COMPLETE BY 11/80.  
ISSUES:  
COMMISSION ACTION: REVIEW OPERATOR LICENSING GUIDELINES AND ESTABLISH APPROPRIATE CRITERIA.

I.A.2.6(3) LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (SD) SD,NRR,IE,ADM REVISED: 11/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
COMMISSION (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: STEVEN RICHARDSON (X35913)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: REVISE 10 CFR 55 TO INCLUDE MANDATORY SIMULATOR TRAINING, MANDATORY 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) SAME AS ORIGINAL  
ACCOMPLISHMENTS:  
CURRENT STATUS: COMMISSION PAPER SENT TO EDO 10/27/80.  
ISSUES:  
COMMISSION ACTION: REVIEW OPERATOR LICENSING GUIDELINES AND ESTABLISH APPROPRIATE CRITERIA.

I.A.2.6(4) LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (SD) SD,NRR,IE,ADM REVISED: 10/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
COMMISSION (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: JOE MCMILLEN (X27476)  
OTHER OFFICE/INDIVIDUAL: IE/S. BRYAN  
PURPOSE AND SCOPE: DEVELOP PAPER FOR COMMISSION REVIEW REGARDING WORKSHOPS FOR LICENSED PERSONNEL.  
SCHEDULE: (ORIGINAL) PROVIDE PAPER FOR COMMISSION ACTION 01/81. (CURRENT) ON SCHEDULE WILL START DRAFT  
SEPTEMBER 2, 1980.  
ACCOMPLISHMENTS: NONE TO DATE.  
CURRENT STATUS: ON SCHEDULE.  
ISSUES: NONE  
COMMISSION ACTION: REVIEW

I.A.2.6(6) LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (SD) SD,NRR,IE,ADM REVISED: 10/80  
GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
COMMISSION (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: JOE MCMILLEN (X27476)  
OTHER OFFICE/INDIVIDUAL: IE/S. BRYAN  
PURPOSE AND SCOPE: 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) ON SCHEDULE.  
ACCOMPLISHMENTS: CONTRACT LETTER 05/80. INTERIM REPORT DUE 08/80.  
CURRENT STATUS: CONTRACT WORK ON SCHEDULE.  
ISSUES: NONE  
COMMISSION ACTION: REVIEW

I.A.2.7 ACCREDITATION OF TRAINING INSTITUTIONS (NRR) NRR,SD,ADM REVISED: 10/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: JOE MCMILLEN (X27476)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: THE INTENT IS TO REQUIRE LICENSEES TO USE ACCREDITED INSTITUTIONS ONCE  
 SUCH A PROGRAM IS ESTABLISHED.  
 SCHEDULE: (ORIGINAL) NOT YET DEVELOPED  
 ACCOMPLISHMENTS:  
 CURRENT STATUS: INACTIVE  
 ISSUES:

I.A.3.1 REVISE SCOPE AND CRITERIA FOR LICENSING EXAMS (NRR) NRR REVISED: 10/80  
 COMPLETE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB, HFS CONTACT: JOE MCMILLEN (X27476)  
 OTHER OFFICE/INDIVIDUAL: NONE  
 PURPOSE AND SCOPE: INCREASE THE PASSING GRADE, ADD NEW CATEGORIES TO THE EXAMINATIONS TO ADDRESS  
 HEAT TRANSFER THERMODYNAMICS AND FLUID FLOW.  
 SCHEDULE: (ORIGINAL) IMPLEMENT 05/80. (CURRENT) IMPLEMENT 05/80.  
 ACCOMPLISHMENTS: ITEM COMPLETE.  
 CURRENT STATUS: NEW SCOPE AND CRITERIA IN EFFECT.  
 ISSUES: NONE

I.A.3.2 OPERATOR LICENSING PROGRAM CHANGES (NRR) NRR REVISED: 10/80  
 GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: PAUL COLLINS (X27486)  
 OTHER OFFICE/INDIVIDUAL: IE/REGION III INSPECTORS  
 PURPOSE AND SCOPE: 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 PLAN BEING DEVELOPED. INITIATED 07/80. STUDY OF OTHER PROGRAM IMPROVEMENTS CONTRACTED.  
 REPORT DUE 12/80.  
 ACCOMPLISHMENTS: DRAFT REGIONALIZATION PROGRAM - 07/80. CONTRACT WRITTEN TO STUDY STAFFING AND PLAN  
 FOR REVIEW OF OPERATOR ERRORS - 08/80.  
 CURRENT STATUS: DRAFT REGIONALIZATION PAPER WRITTEN. REGION III RECOMMENDED FOR PILOT PROGRAM.  
 ISSUES: NONE

I.A.3.3 ESTABLISH REQUIREMENTS FOR OPERATOR FITNESS (SD) SD REVISED: 11/80  
INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY -  
COMMISSION(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: STEVEN RICHARDSON (X35913)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: DEVELOP REQUIREMENTS FOR OPERATOR FITNESS (STRESS, MALEVOLENCE, ALCOHOL AND DRUG ABUSE)  
FOR CONSIDERATION BY THE COMMISSION.  
SCHEDULE: (ORIGINAL) (CURRENT)  
ACCOMPLISHMENTS:  
CURRENT STATUS:  
ISSUES: DECISION GROUP D ITEM, NO FIRM SCHEDULE HAS BEEN DEVELOPED AT THIS TIME.  
COMMISSION ACTION: REVIEW

I.A.3.4 LICENSING OF ADDITIONAL OPERATIONS PERSONNEL (NRR) NRR,ADM REVISED: 10/80  
GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: 42452) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: JOE MCMILLEN (X27476)  
OTHER OFFICE/INDIVIDUAL: NONE  
PURPOSE AND SCOPE: 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.  
ACCOMPLISHMENTS: CONTRACT WORK PROCEEDING.  
CURRENT STATUS: CONTRACT IN PROGRESS.  
ISSUES: NONE

I.A.3.5 LICENSING OF PERSONNEL - STATEMENT OF UNDERSTANDING WITH INPO AND DOE (NRR) NRR REVISED: 10/80  
INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: DST CONTACT: MAL ERNST (X28016)  
OTHER OFFICE/INDIVIDUAL: NRR/S. HANAUER  
PURPOSE AND SCOPE: 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.



I.A.4.1  
GREEN

TRAINING SIMULATOR IMPROVEMENTS - INITIAL (NRR) NRR,ADM REVISED: 11/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: 42453) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: JOE MCMILLEN (X27476)  
 OTHER OFFICE/INDIVIDUAL: RES/W. FARMER  
 PURPOSE AND SCOPE: 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 SCHEDULED COMPLETION DATED AUGUST 29, 1980. NRR ISSUE REQUIREMENTS 01/81.  
 ACCOMPLISHMENTS: FINAL REPORT NUREG-CR-1482 ISSUED 06/80.  
 CURRENT STATUS: REVIEWING STATUS REPORT AND AWAITING COMMENTS  
 ISSUES: ONE MONTH 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. THIS ASPECT OF THE TASK IS TO BE COMPLETED 1/81.

I.A.4.2  
GREEN

TRAINING SIMULATOR IMPROVEMENTS - LONG-TERM (SD) SD,RES,NRR REVISED: 11/80  
 \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
 (TACS: 42454) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: ELLIS MERSCHOFF (X35913)  
 OTHER OFFICE/INDIVIDUAL: NRR/J. MCMILLEN; RES/W. S. FARMER  
 PURPOSE AND SCOPE: PERFORM RESEARCH STUDIES TO IMPROVE THE USE OF SIMULATORS. IMPROVE CAPABILITIES, STUDY  
 OPERATOR RESPONSE TIME. CONDUCT SIMULATED EXPERIMENTS. UPGRADE ANS 3.5. ISSUE AN EFFECTIVE REG GUIDE.  
 SCHEDULE: (ORIGINAL) ORNL COMPLETE RESEARCH CONTRACT 04/81; ANS ISSUE REVISED SIMULATOR STANDARD 12/80; SD ISSUE  
 AN EFFECTIVE REG GUIDE 09/81. (CURRENT) ORNL COMPLETE RESEARCH CONTRACT 04/81; ANS ISSUE REVISED SIMULATOR  
 STANDARD 03/81; SD ISSUE AN EFFECTIVE REG GUIDE 08/81.  
 ACCOMPLISHMENTS: ISSUED REG GUIDE (RS-110-5) FOR PUBLIC COMMENT JULY 31, 1980, ANS 3.5 REVISED MARCH 24, 1980.  
 CURRENT STATUS: NUPPSCO COMMENTS ARE IN PROCESS OF BEING RESOLVED BY ANS 3.5 WORKING GROUP. SIXTY DAY PUBLIC  
 COMMENT PERIOD FOR REG GUIDE EXPIRED 10/80. REVISED REG. GUIDE ROUTED FOR STAFF REVIEW 11/08/80.  
 (RES) FINAL SEQUOYAH TESTS TO BE CONDUCTED FOR PWR SIMULATOR IN 12/80. FINAL REPORT ON SEQUOYAH  
 SIMULATOR TESTS TO BE ISSUED 3/81. NEGOTIATIONS UNDERWAY WITH GENERAL PHYSICS TO CONDUCT BWR ABNORMAL  
 EVENTS TESTS ON TVA BROWNS FERRY SIMULATORS BETWEEN 3/81 AND 9/81. SITE SURVEYS AT PWR PLANTS TO BE  
 CONDUCTED BY MEMPHIS STATE BY 4/81 AND FINAL REPORT BY 06/81. MEMPHIS STATE WILL INITIATE BWR SITE  
 REVIEWS BY 04/81 AND COMPLETE THESE REVIEWS BY 10/81/ DRAFT OF BWR SAFETY RELATED OPERATOR ACTION TO  
 BE COMPLETED BY 01/82 AND FINAL REPORT SUBMITTED BY 04/82.  
 ISSUES: NONE

I.A.4.3  
GREEN

FEASIBILITY STUDY FOR PROCUREMENT OF TRAINING SIMULATOR (RES) RES REVISED: 11/80  
 COMMISSION\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: DRSR CONTACT: STANISLAV FABIC (X74275)  
 OTHER OFFICE/INDIVIDUAL: SD/E. MERSCHOFF; RES/W. FARMER  
 PURPOSE AND SCOPE: 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) STUDY PROCEDURES FOR VALIDATING SIMULATOR FIDELITY 09/80; INTERIM REPORT DUE 01/81;  
 PUBLISHED REPORT DISTRIBUTED 06/81. (CURRENT) STUDY REVIEWED WITH OSD AND NRR 09/80.  
 ACCOMPLISHMENTS: STUDY INITIATED.  
 CURRENT STATUS: WORK ON THIS ITEM IS BEING CARRIED OUT UNDER RES SELF-ENDORSED PROJECT RES-80-20,  
 "IMPROVEMENT OF EXISTING SIMULATORS," 11/80.  
 ISSUES: PROGRAMMATIC VIEWS OF ADM RICKOVER ON USE OF TRAINING SIMULATORS HAVE BEEN ADDED AS A  
 SUPPLEMENTARY TASK.  
 COMMISSION ACTION: REVIEW



I.A.4.4 GREEN FEASIBILITY STUDY TO EVALUATE POTENTIAL VALUE OF NRC ENGINEERING COMPUTER (RES) RES REVISED: 11/80  
 (SEE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -

I.A.4.3 COMMISSION (TACS: ) RESPONSIBLE BRANCH/DIVISION: DRSR CONTACT: STANISLAV FABIC (X74275)  
 OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE:  
 SCHEDULE: (ORIGINAL)  
 ACCOMPLISHMENTS:  
 CURRENT STATUS: WORK UNDER THIS ITEM IS BEING CARRIED OUT UNDER RES SELF-ENDORSED PROJECT  
 RES 80-20, "IMPROVEMENT OF EXISTING SIMULATORS," 11/80.  
 ISSUES:  
 COMMISSION ACTION: REVIEW

I.B.1.1 GREEN MANAGEMENT FOR OPERATIONS - LONG-TERM IMPROVEMENTS (NRR) NRR, IE, SD, ADM REVISED: 10/80  
 COMMISSION \*\*COMPLETION DATE > FY81 \*PRIORITY 1

(TACS: 42059) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS CONTACT: LAWRENCE CROCKER (X29437)  
 OTHER OFFICE/INDIVIDUAL: IE/S. BRYAN

PURPOSE AND SCOPE: DEVELOP CRITERIA FOR MANAGEMENT AND TECHNICAL RESOURCES TO OPERATE NUCLEAR  
 POWER PLANTS.  
 SCHEDULE: (ORIGINAL) ISSUE COMMISSION PAPER BY 01/81. ISSUE REQUIREMENT TO OPERATING PLANTS BY MARCH 1981.  
 NRR REVIEW RESPONSES BY 07/81; IE INSPECT IMPLEMENTATION FROM 10/81. (CURRENT) SAME AS ORIGINAL.  
 ACCOMPLISHMENTS: CONTRACT TO TEKNEKRON COMPLETED (FINAL REPORT DATED MAY 1980) NUREG - 0731, "GUIDE-  
 LINES ARE UTILITY MANAGEMENT STRUCTURE AND TECHNICAL RESOURCES," ISSUED FOR INTERIM USE AND PUBLIC  
 COMMENT 09/80.  
 CURRENT STATUS: DRAFT GUIDELINES BEING SUBJECTIVELY USED IN THE EVALUATION OF NTOLS. INTEND TO ISSUE  
 DRAFT CRITERIA AS A NUREG FOR PUBLIC COMMENT BEFORE THE END OF 1980. REVISION TO REG. GUIDE 1.8 ISSUED.  
 REVISION TO REG. GUIDE 1.33 WILL BE ISSUED FOR COMMENT IN FALL 1980.  
 ISSUES: NONE  
 COMMISSION ACTION: REVIEW PROPOSED REQUIREMENTS.

I.B.1.2 GREEN MANAGEMENT FOR OPERATIONS - EVALUATION FOR NTOL APPLICANTS (IE) NRR, IE REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: 42060) RESPONSIBLE BRANCH/DIVISION: ROI/IE CONTACT: SAMUEL BRYAN (X28019)  
 OTHER OFFICE/INDIVIDUAL: IE/R. H. WESSMAN; NRR/D. G. VASSALLO, L. CROCKER

PURPOSE AND SCOPE: THE NRC WILL EVALUATE ORGANIZATION AND MANAGEMENT CAPABILITIES OF NTOL APPLICANTS  
 PRECEDING LICENSE ISSUANCE. NRR WILL PROVIDE DRAFT CRITERIA TO BE USED BY AN INTEROFFICE REVIEW  
 TEAM AT EACH NTOL SITE. THE FINDINGS OF THE TEAM WILL BE AN INPUT INTO THE SER FOR THE NTOL FACILITY.  
 SCHEDULE: (ORIGINAL) COMMENCE EVALUATION OF NTOLS CONSISTENT WITH LICENSING SCHEDULE - 01/80; NRR PROVIDE  
 DRAFT CRITERIA FOR EVALUATIONS - 07/80. (CURRENT) EXTEND EVALUATION PROGRAM BEYOND FIRST 6 NTOLS.  
 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: EVALUATIONS COMPLETED AND SER INPUT WRITTEN FOR 9 FACILITIES. OTHER APPLICANTS FOR  
 LICENSE WILL BE EVALUATED WHEN READY ON A SCHEDULE CONSISTENT WITH THEIR READINESS FOR LICENSING.  
 DRAFT CRITERIA BEING FINALIZED FOR ISSUE AS NUREG 0731, TO BE ISSUED FOR COMMENT IN EARLY OCTOBER.  
 ISSUES: NONE

I.B.1.3 MANAGEMENT FOR OPERATIONS - LOSS OF SAFETY FUNCTION (SD) SD,ADM REVISED: 10/80  
INACTIVE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(SEE (TACS: ) RESPONSIBLE BRANCH/DIVISION: SCSB/DES CONTACT: GUNTER ARNDT (X35997)  
IV.A.2) OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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.  
ACCOMPLISHMENTS:  
CURRENT STATUS: THIS ITEM HAS BEEN TERMINATED IN FAVOR OF THE ENFORCEMENT POLICY ITEM. (IV.A.2)  
ISSUES:

I.B.2.1 REVISION OF IE INSPECTION PROGRAM (IE) IE REVISED: 10/80  
COMPLETE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ROI/IE CONTACT: SAMUEL BRYAN (X28019)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: THE NRC WILL REVISE THE INSPECTION PROGRAM TO PROVIDE MORE DIRECT OBSERVATION AND  
INDEPENDENT VERIFICATION OF LICENSEE ACTIVITIES.  
SCHEDULE (ORIGINAL) PROGRAM REVISION STARTED - 12/79; COMMENTS REQUESTED ON PROPOSED PROGRAM REVISION 03/80;  
COMMENTS AND FINAL PROGRAM PREPARED 04/80. (CURRENT) N/A  
ACCOMPLISHMENTS: PROGRAM REVISION WAS STARTED IN NOVEMBER 1979. THE PROGRAM WAS ISSUED FOR USE IN THE FIELD  
BY RESIDENT INSPECTORS IN APRIL 1980.  
CURRENT STATUS: THE INSPECTION PROGRAM FOR RESIDENT INSPECTORS HAS BEEN COMBINED WITH THE ROUTINE INSPECTION  
PROGRAM TO PRODUCE A CONSOLIDATED INSPECTION PROGRAM FOR OPERATING REACTORS. MANAGEMENT RESPONSIBILITY  
FOR IMPLEMENTING THIS INSPECTION PROGRAM HAS BEEN ASSIGNED TO THE REGIONS. ALL PLANNED MAJOR PROGRAM  
REVISIONS FOR THE REACTOR OPERATIONS INSPECTION PROGRAM HAVE BEEN COMPLETED.  
ISSUES: NONE

I.B.2.2 INSPECTIONS AT OPERATING REACTORS - RESIDENT INSPECTOR (IE) IE,ADM REVISED: 10/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: D/IE CONTACT: JAMES SNIEZEK (X28098)  
OTHER OFFICE/INDIVIDUAL: IE/E. GREHER; REGIONAL DIRECTORS; REGIONAL RONS BRANCH CHIEFS  
PURPOSE AND SCOPE: ESTABLISH A RESIDENT OFFICE AT EACH SITE WHERE THERE IS AN OPERATING REACTOR OR WHERE  
THERE IS A REACTOR UNDERGOING PREOPERATIONAL TESTING. RECRUIT, TRAIN AND ASSIGN ONE OR MORE RESIDENT  
INSPECTORS TO EACH OF THESE RESIDENT OFFICES, IN ACCORDANCE WITH COMMISSION DIRECTIVES ON MANNING LEVELS.  
SCHEDULE: (ORIGINAL) START STAFFING ALL OPERATIONAL SITES WITH 1 RESIDENT INSPECTORS - 09/80. EXPAND STAFFING  
FOR ALL SITES TO MINIMUM OF 2 RESIDENTS/SITE - 09/80. (CURRENT) SELECTIVELY REDUCE STAFFING AT TRIPLE  
UNIT AND SOME SINGLE UNIT SITES - 09/82.  
ACCOMPLISHMENTS: ALL OPERATING SITES MANNED WITH SENIOR RESIDENT OR EQUIVALENT - 06/80.  
CURRENT STATUS: AS OF 09/30/80, 58 OUT OF 59 OPERATING SITES WERE MANNED WITH A TOTAL OF 107 RESIDENTS AND  
SENIOR RESIDENTS AND 6 EQUIVALENT SENIOR RESIDENTS. ANOTHER 6 RESIDENTS HAD BEEN SELECTED BUT WERE NOT  
YET REASSIGNED. THERE WERE 10 POSITIONS STILL UNFILLED.  
ISSUES: COMPLETING TRAINING PROGRAM FOR NEWLY-HIRED RESIDENTS. RELOCATING RESIDENTS AND SENIOR RESIDENTS  
DURING A PERIOD OF HIGH COST MORTGAGES. MAINTAIN ADEQUATE COMMUNICATIONS BETWEEN REGIONAL OFFICES,  
RESIDENT OFFICES AND NRC HEADQUARTERS TO FORESTALL ISOLATION AND "CAPTURE".

I.B.2.3  
GREEN

INSPECTIONS AT OPERATING REACTORS - REGIONAL EVALUATIONS (IE) IE REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: ROI/IE CONTACT: NORMAN MOSELEY (X28160)  
 OTHER OFFICE/INDIVIDUAL: IE/S. E. BRYAN  
 PURPOSE AND SCOPE: 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 - SCHEDULES AND RESOURCES TO BE DEVELOPED IN ROUTINE BUDGET PROCESS. (CURRENT) ISSUE PROCEDURES FOR CONDUCTING EVALUATIONS - 04/80; COMPLETE EVALUATIONS FOR ALL OPERATING REACTORS - 10/80.  
 ACCOMPLISHMENTS: EVALUATIONS FOR TEN (10) PLANTS RECEIVED BY IE:HQ AS OF 9/22/80.  
 CURRENT STATUS: EVALUATIONS ARE UNDERWAY IN ALL REGIONS. ALL OPERATING PLANTS EXPECTED TO BE COMPLETE BY 10/80.  
 ISSUES: NONE

I.B.2.4  
GREEN

OVERVIEW OF LICENSEE PERFORMANCE (IE) IE REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: ROI/IE CONTACT: NORMAN MOSELEY (X28160)  
 OTHER OFFICE/INDIVIDUAL: DROI, IE/S. E. BRYAN  
 PURPOSE AND SCOPE: 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 - SCHEDULES AND RESOURCES TO BE DEVELOPED IN ROUTINE BUDGET PROCESS. (CURRENT) DEVELOP CHARTER, APPOINT BOARD MEMBERS - 08/80. COMPLETE FIRST REVIEW OF OPERATING PLANTS.  
 ACCOMPLISHMENTS: CHARTER ISSUED AND BOARD MEMBERS APPOINTED 08/25/80.  
 CURRENT STATUS: STAFFING OF BOARD ASSISTANTS IS UNDERWAY. FIRST BOARD MEETING SCHEDULED IN NEAR FUTURE.  
 ISSUES: NONE

I.C.1  
GREEN

SHORT-TERM ACCIDENT ANALYSIS AND PROCEDURES REVISION (NRR) NRR,ADM,IE REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: PTRB/DHFS CONTACT: DON BECKHAM (X27741)  
 OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
 PURPOSE AND SCOPE: 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 \* 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). REVIEWS UNDERWAY ON OTHER VENDORS.  
 CURRENT STATUS: SHORT TERM ITEMS, SBLOCA AND ICC, COMPLETED BY VENDORS. REVIEWS BY STAFF PROGRESSING TO SUPPORT NTOL LICENSING SCHEDULES. CLARIFICATION LETTER ON SCOPE AND SCHEDULE OF I.C.1(3) BEING CIRCULATED FOR CONCURRENCE.  
 ISSUES: REANALYSIS OF TRANSIENTS AND ACCIDENTS REQUIRED SIGNIFICANTLY MORE EFFORT THAN ORIGINALLY ESTIMATED. SCHEDULE REVISED TO REFLECT THE ADDITIONAL EFFORT.

I.C.2 SHIFT AND RELIEF TURNOVER PROCEDURES (NRR) NRR,IE REVISED: 10/80  
 COMPLETE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS CONTACT: FRED ALLENSPACH (X27741)  
 OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
 PURPOSE AND SCOPE: 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: COMPLETED FOR OPERATING REACTORS.  
 CURRENT STATUS: APPLICANTS FOR NTOL WILL BE COMPLETED BY FUEL LOADING.  
 ISSUES: NONE

I.C.3 SHIFT SUPERVISOR RESPONSIBILITIES (NRR) NRR,IE REVISED: 10/80  
 COMPLETE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS CONTACT: FRED ALLENSPACH (X27741)  
 OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
 PURPOSE AND SCOPE: 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: COMPLETED FOR OPERATING REACTORS.  
 CURRENT STATUS: APPLICANTS FOR NTOL WILL BE COMPLETED BY FUEL LOADING.  
 ISSUES: NONE

I.C.4 OPERATING PROCEDURES - CONTROL ROOM ACCESS (NRR) NRR,IE REVISED: 10/80  
 COMPLETE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS CONTACT: FRED ALLENSPACH (X27741)  
 OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
 PURPOSE AND SCOPE: 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: COMPLETED FOR OPERATING REACTORS.  
 CURRENT STATUS: APPLICANTS FOR NTOL WILL BE COMPLETED BY FUEL LOADING.  
 ISSUES: NONE

I.C.5 PROCEDURES FOR FEEDBACK OF OPERATING EXPERIENCE (NRR) NRR,IE REVISED: 10/80  
 COMPLETE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS CONTACT: FRED ALLENSPACH (X27741)  
 OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
 PURPOSE AND SCOPE: 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. TASK COMPLETED. APPLICATIONS WILL NOW BE REVIEWED TO ASSURE CONFORMANCE.  
 ACCOMPLISHMENTS: HAS BEEN COMPLETED FOR UTILITIES WITH OPERATING REACTORS.  
 CURRENT STATUS: APPLICANTS FOR NTOL WILL BE COMPLETED BY FUEL LOADING.  
 ISSUES: NONE



I.C.6  
GREEN  
COMMISSION

PROCEDURES FOR VERIFICATION OF CORRECT PERFORMANCE  
OF OPERATING ACTIVITIES (NRR) NRR,IE REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: PTRB/DHFS CONTACT: DON BECKMAN (X27741)  
OTHER OFFICE/INDIVIDUAL: SD/T. SCARBROUGH; IE/P. MCKEE  
PURPOSE AND SCOPE: 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 REVISION TO BE  
COMPLETED BY 1/1/81.  
ACCOMPLISHMENTS: CLARIFICATION OF REQUIREMENT PREPARED BY OSD, NRR, IE REPRESENTATIVES.  
CURRENT STATUS: CLARIFICATION, INCLUDING ACCEPTABLE METHOD OF VERIFICATION, ASSEMBLED BY DOL AND ISSUED  
FOR COMMENT ON 09/05/80. COMMENT RESOLUTION COMPLETED. TO BE INCLUDED IN PACKAGE BEING PREPARED  
FOR COMMISSION ACTION.  
ISSUES: NONE  
COMMISSION ACTION: REVIEW

I.C.7  
GREEN

NSSS VENDOR REVIEW OF OPERATING PROCEDURES (NRR) NRR,IE REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: PTRB/DHFS CONTACT: DON BECKHAM (X27741)  
OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
PURPOSE AND SCOPE: 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 (07/80), SEQUOYAH (07/80) AND SALEM (08/80).  
CURRENT STATUS: PTRB EVALUATING USEFULNESS OF VENDOR REVIEW. WILL ADDRESS VENDOR REVIEW IN GUIDANCE  
DEVELOPED AS INDICATED IN ITEM I.C.9.  
ISSUES: NONE

I.C.8  
GREEN

PILOT MONITORING OF SELECTED EMERGENCY PROCEDURES  
FOR NTOL APPLICANTS (NRR) NRR,ADM,IE REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: PTRB/DHFS CONTACT: DON BECKHAM (X27741)  
OTHER OFFICE/INDIVIDUAL: IE/D. WESSMAN, RESIDENT INSPECTORS; NRR/T. SPEIS  
PURPOSE AND SCOPE: 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 AS ORIGINAL.  
ACCOMPLISHMENTS: COMPLETED REVIEWS FOR SEQUOYAH (07/80), NORTH ANNA (07/80), AND SALEM (08/80). REVIEWS  
IN PROGRESS FOR FARLEY, MCGUIRE, DIABLO CANYON, AND LASALLE.  
CURRENT STATUS: EMERGENCY PROCEDURE GUIDELINES FOR WESTINGHOUSE PLANTS FOR SELECTED ACCIDENTS AND  
TRANSIENTS AND GE SYMPTOM ORIENTED GUIDELINES HAVE BEEN REVIEWED TO SUPPORT EMERGENCY PROCEDURE REVIEW.  
B&W AND GE GUIDELINES UNDER REVIEW. PLANT SPECIFIC REVIEWS PROCEEDING CONSISTENT WITH LICENSING SCHEDULE.  
ISSUES: AVAILABILITY OF PLANT SPECIFIC EMERGENCY PROCEDURES LIMITS WHEN REVIEWS CAN BEGIN.

I.C.9 LONG-TERM PLAN FOR UPGRADING OF PROCEDURES (NRR) NRR,IE,SD,RES REVISED: 10/80  
GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
COMMISSION(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: PTRB/DHFS CONTACT: DON BECKHAM (X27741)  
OTHER OFFICE/INDIVIDUAL: IE/D. WESSMAN; NRR/T. SPEIS  
PURPOSE AND SCOPE: TO DEVELOP A LONG-TERM PROGRAM THAT WILL INTEGRATE AND EXPAND ON CURRENT  
EFFORTS IN WRITING, REVIEWING, AND MONITORING OF PLANT PROCEDURES.  
SCHEDULE: (ORIGINAL) PLAN TO BE DEVELOPED BY (07/81). (CURRENT) PLAN TO BE DEVELOPED BY 07/81.  
IN CONJUNCTION WITH TRANSIENT AND ACCIDENT ANALYSIS REQUIRED IN ITEM I.C.1(3).  
ACCOMPLISHMENTS:  
CURRENT STATUS: CLARIFICATION LETTER ON SCOPE AND SCHEDULE HAS BEEN PREPARED AND ISSUED FOR COMMENT ON  
09/05/80. TO BE INCLUDED IN PACKAGE BEING PREPARED FOR COMMISSION ACTION.  
ISSUES: NONE  
COMMISSION ACTION: REVIEW

I.D.1 CONTROL ROOM DESIGN REVIEWS (NRR) NRR,ADM,IE REVISED: 11/80  
GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: 41024) RESPONSIBLE BRANCH/DIVISION: HFEB/DHFS CONTACT: RICHARD FROELICH (X28442)  
OTHER OFFICE/INDIVIDUAL: IE/R. WESSMAN  
PURPOSE AND SCOPE: DEVELOP GUIDELINES FOR INDUSTRY REVIEW OF CONTROL ROOM DESIGNS TO ENSURE IMPLEMENTATION  
OF HUMAN FACTORS, AND DEVELOP ACCEPTANCE CRITERIA FOR THE REVIEW AND CRITIQUE OF INDUSTRY REPORTS OF  
THEIR DESIGN REVIEWS.  
SCHEDULE: (ORIGINAL) INITIATION: FEB. 1980. DRAFT GUIDELINES JULY 1980. FINAL GUIDELINES SEPT. 1980. DRAFT  
ACCEPTANCE CRITERIA NOV. 1980. FINAL ACCEPTANCE CRITERIA MARCH 1981. (CURRENT) INITIATION: FEB. 1980. DRAFT  
GUIDELINES AUG. 1980. FINAL GUIDELINES FEB. 1981. DRAFT ACCEPTANCE CRITERIA NOT SCHEDULED.  
FINAL ACCEPTANCE CRITERIA JULY 1981.  
ACCOMPLISHMENTS: DRAFT GUIDELINES PUBLISHED AUGUST 4, 1980. COMMENT PERIOD CLOSED SEPT. 29, 1980.  
CURRENT STATUS: DRAFT GUIDELINES ARE UNDERGOING REVISION BASED ON COMMENTS.  
ISSUES: DETAILED CHECKLISTS FOR ACCOMPLISHING THE DESIGN REVIEW ARE NOT AVAILABLE AS YET.

I.D.2 CONTROL ROOM DESIGN - PLANT SAFETY PARAMETER DISPLAY NRR,IE REVISED: 10/80  
GREEN CONSOLE (NRR)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: 41029) RESPONSIBLE BRANCH/DIVISION: HFEB/DHFS CONTACT: LEO BELTRACCHI (X27233)  
OTHER OFFICE/INDIVIDUAL: TO BE DETERMINED  
PURPOSE AND SCOPE: 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 1, 1983. (CURRENT) SAME AS ORIGINAL  
ACCOMPLISHMENTS: NUREG 0696, "FUNCTIONAL CRITERIA FOR EMERGENCY RESPONSE FACILITIES", JULY 1980, CONTAINS  
FUNCTIONAL REQUIREMENTS FOR SPDS.  
CURRENT STATUS: REGIONAL WORKSHOPS ON NUREG 0696 ARE PLANNED FOR AUGUST 18-21. ALL LICENSEES HAVE BEEN  
INVITED TO THE WORKSHOPS. AT THE WORKSHOPS, THE STAFF WILL PRESENT AND DISCUSS THE CRITERIA, RECEIVE  
COMMENTS AND ANSWER QUESTIONS.  
ISSUES: TO BE RESOLVED IN REVISED NUREG 0696



I.D.3 CONTROL ROOM DESIGN - SAFETY SYSTEM STATUS MONITORING (NRR) NRR REVISED: 10/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
 (TACS: 41030) RESPONSIBLE BRANCH/DIVISION: HFEB/DHFS CONTACT: SEYMOUR WEISS (X28285)  
 OTHER OFFICE/INDIVIDUAL: OSD  
 PURPOSE AND SCOPE: 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)  
 ACCOMPLISHMENTS: NONE  
 CURRENT STATUS:  
 ISSUES: REVIEWS OF SUBMITTALS PRIOR TO SCHEDULED INITIATION OF NRR EFFORT. OSD REVISION OF REG. GUIDE 1.47.

I.D.4 CONTROL ROOM DESIGN STANDARD (SD) SD,ADM REVISED: 10/80  
 GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
 (TACS: 42285) RESPONSIBLE BRANCH/DIVISION: RSSB/SD CONTACT: ELLIS MERSCHOFF (X35913)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: DEVELOP GUIDANCE ON THE DESIGN OF CONTROL ROOMS TO INCORPORATE HUMAN FACTORS  
 CONSIDERATIONS.  
 SCHEDULE: (ORIGINAL) INITIATION DATE 6/16/80. IEEE STANDARD AVAILABLE 1/7/81. DRAFT GUIDE ISSUE FOR COMMENTS  
 7/31/81. (CURRENT) SAME AS ORIGINAL.  
 ACCOMPLISHMENTS: NONE  
 CURRENT STATUS: PRELIMINARY RESEARCH  
 ISSUES: TO BE DETERMINED.

I.D.5(1) CONTROL ROOM DESIGN - IMPROVED INSTRUMENTATION RESEARCH (RES) RES,ADM REVISED: 11/80  
 YELLOW OPERATOR - PROCESS COMMUNICATION  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: OSRB/RSR CONTACT: RAY DI SALVO (X74260)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: 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 SYS. RECOMMENDATIONS DEVELOPED 10/80. INITIAL ALARM SYS RECOMMENDATION DEVELOPED 02/81.  
 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, 1080. A REVIEW OF  
 ALARM UTILIZATION IN TEST REACTORS WAS COMPLETED 06/80.  
 CURRENT STATUS: ALTERNATIVE METHODS FOR PROCESSING AND DISPLAYING INFORMATION THROUGH CRT TERMINALS ARE  
 BEING EVALUATED DURING LOFT EXPERIMENTS. OPERATOR PREFERENCES ARE BEING NOTED. A REVIEW OF ALARM  
 UTILIZATION IN TWO COMMERCIAL OPERATING REACTORS HAS BEEN PERFORMED AND REPORTS ARE BEING PREPARED.  
 NRR AND SD ARE REVIEWING AN RES REQUEST FOR ENDORSEMENT OF THESE EFFORTS.  
 ISSUES: AS OF 10/80, NRR AND SD HAVE YET TO PROVIDE A WRITTEN REQUEST FOR OR ENDORSEMENT OF THIS RESEARCH  
 IN SPITE OF ITS INCORPORATION INTO THE ACTION PLAN. RES WILL BE FORCED TO SIGNIFICANTLY CURTAIL WORK  
 UNLESS ENDORSEMENT IS RECEIVED. FOLLOW-ON EFFORTS RELATED TO ALARM UTILIZATION AND PRIORITIZATION  
 AWAIT A CLEARER ARTICULATION OF NEEDS BY USER OFFICES.

I.D.5(2)  
YELLOW

CONTROL ROOM DESIGN - IMPROVED INSTRUMENTATION RESEARCH (RES)  
PLANT STATUS AND POST ACCIDENT MONITORING

RES,ADM

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: SRB/RSR CONTACT: RAY DI SALVO (X74260)

OTHER OFFICE/INDIVIDUAL: RES/OSRB/H. SCOTT

PURPOSE AND SCOPE: 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. INSTR AND FSF STATUS MONITORING NEEDS ARE RECOMMENDED.  
SCHEDULE: (ORIGINAL) STATUS MONITORING REQUIREMENTS CONFIRMED 12/80. (CURRENT) PWR INSTRUMENTATION REQ'S. CONFIRMED 08/80 (COMPLETE). ESF STATUS MONITORING REQUIREMENTS CONFIRMED 02/81/ BWR INSTRUMENTATION CONFIRMED 04/81.

ACCOMPLISHMENTS: PWR INSTRUMENTATION REQUIREMENTS WERE CONFIRMED AND RESULTS USED AS INPUT TO REVISION OF REG. GUIDE 1.97. RESULTS WERE TRANSMITTED TO NRR & SD VIA RESEARCH INFO LETTER #98, 08/80.

CURRENT STATUS: PRELIMINARY WORK ON ESF STATUS MONITORING REQUIREMENTS IS COMPLETE AND A DRAFT REPORT IS BEING PREPARED. RESULTS SHOULD ASSIST NRR AND SD IN ADDRESSING REVISION AND IMPLEMENTATION OF REG. GUIDE 1.47. BWR ACCIDENT SEQUENCES ARE BEING ANALYZED FOR INSTRUMENTATION REQUIREMENTS. EXTENSION OF THE PROGRAM TO DEVELOP DIANOSTIC ALGORITHMS FOR ADVANCED DISTURBANCE ANALYSIS AND SURVEILLANCE SYSTEMS IS BEING CONSIDERED. NRR AND SD ARE REVIEWING AN RES REQUEST FOR ENDORSEMENT OF THIS PROGRAM.

ISSUES: AS OF 10/80, NRR AND SD HAVE YET TO PROVIDE A WRITTEN REQUEST FOR OR ENDORSEMENT OF THIS RESEARCH IN SPITE OF ITS INCORPORATION IN ACTION PLAN AND UTILIZATION OF RESULTS ALREADY GENERATED. RES WILL BE FORCED TO HALT WORK UNLESS ENDORSEMENT IS RECEIVED.

I.D.5(5)  
YELLOW

CONTROL ROOM DESIGN - IMPROVED INSTRUMENTATION RESEARCH (RES)  
DISTURBANCE ANALYSIS SYSTEMS

RES,ADM

REVISED: 11/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RES/RSR CONTACT: RAY DI SALVO (X74260)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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 DISIGN 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: IMPROVED DISPLAY AND DIAGNOSTIC SYSTEM INSTALLED IN LOFT SINCE 02/80 AND HAS BEEN USED TO MONITOR REACTOR BEHAVIOR DURING SMALL BREAKS AND TRANSIENTS. NRC STAFF AND CONTRACTORS PARTICIPATED IN EPRI & DOE EFFORTS TO ESTABLISH FUNCTIONAL & DESIGN REQUIREMENTS FOR A PROTOTYPE DAS.

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 EXPERIEMENTS. PROGRESS ON OTHER PROTOTYPE SYSTEMS IS BEING MONITORED. NRR AND SD ARE REVIEWING AN RES REQUEST FOR ENDORSEMENT OF THESE EFFORTS.

ISSUES: AS OF 10/80, NRR AND SD HAVE YET TO PROVIDE A WRITTEN REQUEST FOR OR ENDORSEMENT OF THIS RESEARCH IN SPITE OF ITS INCORPORATION INTO THE LESSONS LEARNED TASK FORCE REPORT AND ACTION PLAN. RES WILL BE FORCED TO SIGNIFICANTLY CURTAIL WORK UNLESS ENDORSEMENT IS RECEIVED.

3  
4

I.D.6 CONTROL ROOM DESIGN - TECHNOLOGY TRANSFER CONFERENCE (RES) RES,ADM REVISED: 11/80  
COMPLETE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: 42326) RESPONSIBLE BRANCH/DIVISION: RES CONTACT: LOUIS RIB (X74320)  
OTHER OFFICE/INDIVIDUAL: NRR/L. BELTRACHI, R. DISALVO, S. HANAVER; RES/T.MURLEY  
PURPOSE AND SCOPE: 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, SMAIT  
INSTRUMENTATION; OPERATIONAL AIDS-COMMAND CONTROL & COMMUNICATIONS; EDUCATION, TRAINING & SIMULATORS;  
& SIMULATION & ANALYSIS.  
CURRENT STATUS: FOLLOWUP IS CONTINUING BASED ON PERSONAL CONTACTS MADE AT THE CONFERENCE AND AT  
LEAST ONE FOLLOWUP SPECIAL CONFERENCE IS PLANNED FOR THE FUTURE, NAMELY RISK ASSESSMENT.  
ISSUES:

I.E.1 ESTABLISH OFFICE FOR ANALYSIS AND EVALUATION OF AEO,ADM REVISED: 11/80  
COMPLETE OPERATIONAL DATA (AEO)  
COMMISSION\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: AEO CONTACT: JACK HELTEMES (X29560)  
OTHER OFFICE/INDIVIDUAL: AEO/F. J. HEBDON  
PURPOSE AND SCOPE: AEO IS TO ANALYZE AND EVALUATE OPERATIONAL DATA ASSOCIATED WITH ALL NRC-  
LICENSED ACTIVITIES, AND TO MAKE SPECIFIC RECOMMENDATIONS FOR ACTION BY OTHER NRC OFFICES.  
AEO 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. (CURRENT) SAME  
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  
COMMISSION ACTION: REVIEW

I.E.2 PROGRAM OFFICE - OPERATIONAL DATA EVALUATION (AEO) NRR,MPA,RES,NMSS,ADM REVISED: 11/80  
COMPLETE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: AEO CONTACT: JACK HELTEMES (X29560)  
OTHER OFFICE/INDIVIDUAL: NRR/E. ADENSAM; MPA/R. HARTFIELD; RES/R. BERNERO; NMSS/T. CARTER  
PURPOSE AND SCOPE: 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;  
(CURRENT) MPA OFFICE STAFFING - NO DATE; NRR OFFICE STAFFING - 09/80.  
ACCOMPLISHMENTS:  
CURRENT STATUS: THE OPERATING EXPERIENCE EVALUATION BRANCH (OEEB) HAS BEEN ESTABLISHED IN NRR/DST TO  
PROVIDE A FOCAL POINT FOR REVIEW OF LICENSED FACILITY OPERATIONAL EXPERIENCES AND FEEDBACK OF SAFETY  
RELATED INFORMATION. OEEB IS DEVELOPING FORMAL STATEMENTS OF THEIR FUNCTIONS AND INTERRELATIONSHIPS  
WITH OTHER ORGANIZATIONS. SYSTEMATIC REVIEW PLANS ARE BEING DEVELOPED TO REVIEW AND ASSESS LICENSEE  
EVENT REPORTS (LER'S) AND COORDINATION OF PERTINENT FINDINGS WITH THE VARIOUS OFFICES INVOLVED IN THE  
INTEGRATED PROGRAM ON OPERATING EXPERIENCE ASSESSMENTS.  
ISSUES:

I.E.3 OPERATIONAL SAFETY DATA ANALYSIS (RES) RES REVISED: 11/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: SRR/RES CONTACT: WILLIAM VESELY (X74505)  
OTHER OFFICE/INDIVIDUAL: RES/R. DENNIG, J. JOHNSON  
PURPOSE AND SCOPE: TO STRENGTHEN WORK ON THE ANALYSIS OF EQUIPMENT FAILURE DATA, AND TO DEVELOP  
ERROR DATA ANALYSIS FOR NUCLEAR POWER PLANT OPERATIONS.  
SCHEDULE: (ORIGINAL) (CURRENT)  
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 PIPING FAILURES INCORPORATING EFFECTS OF TIME DEPENDENCE AND TESTING.  
ISSUES:

I.E.4 COORDINATION OF LICENSEE, INDUSTRY, AND REGULATORY PROGRAMS (AEOD) AEOD REVISED: 10/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: DIRECTOR CONTACT: CARLYLE MICHELSON (X29560)  
OTHER OFFICE/INDIVIDUAL: NRR/E. ADENSAM; AEOD/C.J. HELTEMES  
PURPOSE AND SCOPE: INDUSTRY HAS ESTABLISHED A PROGRAM TO SYSTEMATICALLY REVIEW AVAILABLE EVENT REPORTS AND  
OPERATING DATA. THESE WILL BE REVIEWED AND ANALYZED BY THE INDUSTRY 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 PROVIDE THE CAPABILITY TO EVALUATE THE OPERATING HISTORY OF  
THEIR PLANT(S) AND THOSE OF SIMILAR DESIGN. LICENSEES WILL BE REQUIRED TO INSTITUTE ADMINISTRATIVE PROCEDURES  
TO DO THIS.  
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.  
(CURRENT) COMPLETE MEMORANDA OF UNDERSTANDING WITH INPO AND NSAC.  
ACCOMPLISHMENTS: EXTENSIVE DISCUSSIONS HAVE BEEN HELD WITH INPO AND NSAC ON AREAS OF MUTUAL INTEREST.  
CURRENT STATUS: WORK CONTINUES ON DEFINING SPECIFIC AREAS OF COOPERATION BETWEEN NRC AND INPO/NSAC.  
SPECIFIC AREAS INCLUDE OPERATIONAL DATA COLLECTION, STORAGE, AND RETRIEVAL; AND EVALUATION OF THE  
RESULTS OF ANALYSES.  
ISSUES: NONE

I.E.5 NUCLEAR PLANT RELIABILITY DATA SYSTEM (SD) SD REVISED: 11/80  
INACTIVE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
(SEE (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: R55B/DES CONTACT: ERIC WEISS (X35913)  
I.E.6) OTHER OFFICE/INDIVIDUAL: AEOD/F. HEBDON; SD/M. MEDEIROS  
COMMISSIONPURPOSE AND SCOPE: 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  
ACCOMPLISHMENTS: SAME AS ORIGINAL.  
CURRENT STATUS: NOW INCLUDED IN TASK I.E.6  
ISSUES:  
COMMISSION ACTION: REVIEW



I.E.6  
GREEN

REPORTING REQUIREMENTS FOR ANALYSIS AND DISSEMINATION  
OF OPERATING EXPERIENCE (AEOD)

NRR IE,SD,AEOD,MPA,NMSS,ADM REVISED: 11/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: DIRECTOR CONTACT: CARLYLE MICHELSON (X29560)  
OTHER OFFICE/INDIVIDUAL: NRR/E. ADENSAM, J. E. KNIGHT; AEOD/C. J. HELTEMES, F. HEBON;  
RES/R.DENNIG; IE/E. BLACKWOOD

PURPOSE AND SCOPE: (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 NOT JUST "SAFETY RELATED."

SCHEDULE: (ORIGINAL) COMPLETE COMMISSION PAPER FOR REVIEW AND APPROVAL - JUNE 1981. (CURRENT) COMM.  
PAPER REQUESTING APPROVAL OF AN INTEGRATED REP. SYS. CONCEPT 11/80. PROPOSED RULE: INTEGRATED  
REPORTING SYSTEM 06/81. FINAL RULE: INTEGRATED REPORTING SYSTEM 04/82.

ACCOMPLISHMENTS: RECOMMENDED INPUT TO COMMISSION PAPER ON AN INTEGRATED REPORTING SYSTEM FORWARDED FROM  
AEOD TO SD (OCTOBER 1980).

CURRENT STATUS: WORK CONTINUES ON DEFINING THE USES FOR OPERATIONAL DATA THAT MUST BE SUPPORTED BY AN  
INTEGRATED REPORTING SYSTEM. BASED ON THE NEEDS AND COMMISSION APPROVAL OF THE CONCEPT, A RULEMAKING  
WILL BE INITIATED TO ESTABLISH AN INTEGRATED REPORTING SYSTEM FOR OPERATIONAL EXPERIENCE DATA.

ISSUES: NONE

COMMISSION ACTION: REVIEW

I.E.7  
GREEN

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

IP,ADM

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: IP CONTACT: HOWARD FAULKNER (X27788)  
OTHER OFFICE/INDIVIDUAL: LLL/W. WADE; NRR/E. ADENSAM, R. COLMAR

PURPOSE AND SCOPE: 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) COMPLETE REVIEW OF LITERATURE- JAN. 1980; CONDUCT VISITS OF REACTOR SITES OF SIGNIFICANT  
EVENTS - MAY 1980; COMPLETE REPORT AND RECOMMENDATION - AUG. 1980. (CURRENT) SAME AS ACCOMPLISHMENTS.

ACCOMPLISHMENTS: DEFINE "SIGNIFICANCE" SCREENING TECHNIQUES, 05/80; REVIEW ALL AVAILABLE FOREIGN DATES AND  
DETERMINE "SIGNIFICANT": EVENTS 06/80, WRITE A SAMPLE REPORT OF A SELECTED FOREIGN EVENT 07/80.

CURRENT STATUS: COLLECTION OF DETAILED DATA ON SELECTED FOREIGN REACTOR EVENTS DUE TO PROPRIETARY NATURE OF  
INFORMATION - COORDINATION WITH IP AND ORNL/NSIC.

ISSUES:

I.E.8  
GREEN

HUMAN ERROR RATE ANALYSIS (RES)

RES

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: SRR/RES CONTACT: WILLIAM VESELY (X74505)  
OTHER OFFICE/INDIVIDUAL: RES/J. JENKINS

PURPOSE AND SCOPE: 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. (CURRENT)

ACCOMPLISHMENTS: TWO DRAFT REPORTS 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.

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 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:

I.F.1  
GREEN  
QUALITY ASSURANCE - EXPAND QA LIST (SD) SD,NRR,IE REVISED: 11/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RSSB/SD CONTACT: STEVEN RICHARDSON (X35913)  
OTHER OFFICE/INDIVIDUAL: IE/F. NOLAN; NRR/S. RICHARDSON  
PURPOSE AND SCOPE: DEVELOP GUIDANCE TO EXPAND QA LIST TO INCLUDE ALL PLANT ITEMS THAT OFFER SAFETY.  
SCHEDULE: (ORIGINAL) ISSUE REGULATORY GUIDES 9/83 AND IMPLEMENTATION 12/83. (CURRENT) NO CHANGE.  
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

I.F.2  
INACTIVE  
QUALITY ASSURANCE - DEVELOP MORE DETAILED QA CRITERIA (SD) SD REVISED: 11/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: STEVEN RICHARDSON (X35913)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: SD WILL DEVELOP MORE DETAILED QA CRITERIA FOR DESIGN, CONSTRUCTION, AND OPERATIONS.  
SCHEDULE: (ORIGINAL) (CURRENT)  
ACCOMPLISHMENTS:  
CURRENT STATUS: ACTION ON TASK NOT YET SCHEDULED.  
ISSUES:

I.G.1  
GREEN  
TRAINING REQUIREMENTS - PREOPERATIONAL AND LOW-POWER TESTING (NRR) NRR REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: PTRB/DHFS CONTACT: DONALD FISCHER (X28649)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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 AS ORIGINAL.  
ACCOMPLISHMENTS: TRAINING/TESTING COMPLETE ON 3 NTOL'S: NORTH ANNA 2, SEQUOYAH, AND SALEM.  
CURRENT STATUS: CURRENTLY WORKING ON 3 MORE NTOL'S: FARLEY, MCQUIRE, AND LASALLE.  
ISSUES: ALL NTOL'S THUS FAR HAVE BEEN PWR'S. A PROGRAM IS BEING DEVELOPED AND IMPLEMENTED FOR BWR'S.



I.G.2  
INACTIVE

SCOPE OF TEST PROGRAM - PREOPERATIONAL AND LOW-POWER  
TESTING (NRR)

NRR,IE,SD

REVISED: 10/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: DHFS/PTRB  
OTHER OFFICE/INDIVIDUAL: IE/R. WESSMAN

CONTACT: DONALD FISCHER (X28649)

PURPOSE AND SCOPE: 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 AS ORIGINAL.

ACCOMPLISHMENTS: N/A

CURRENT STATUS: N/A

ISSUES: N/A

CHAPTER I ACTION ITEMS - 54

II.A.1 SITING POLICY REFORMULATION (SD) NRR,SD,RES,ADM REVISED: 10/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
COMMISSION(TACS: 5365) RESPONSIBLE BRANCH/DIVISION: SAB CONTACT: JAN NORRIS (X28437)  
OTHER OFFICE/INDIVIDUAL: NRR/L. SOFFER, D. CLEARY, R. BLOND  
PURPOSE AND SCOPE: 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 OSD; PUBLIC FINAL RULE - TO BE ESTABLISHED JOINTLY WITH OSD. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: 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 LABORATORIES (SL) 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 SL AND PAS FOR THE STUDY. SL ENGAGED SAI TO ASSIST IN DATA PROCESSING AND IS PRESENTLY NEGOTIATING AN AGREEMENT WITH DAMES & MOORE TO CONDUCT IMPACT STUDIES.  
CURRENT STATUS: SAME AS ACCOMPLISHMENTS  
ISSUES: NONE TO DATE.  
COMMISSION ACTION: REVIEW

II.A.2 SITE EVALUATION OF EXISTING FACILITIES (NRR) NRR REVISED: 10/80  
INACTIVE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
COMMISSION(TACS: 5365) RESPONSIBLE BRANCH/DIVISION: SAB CONTACT: JAN NORRIS (X28437)  
OTHER BRANCHES/INDIVIDUAL: NOT IDENTIFIED YET  
PURPOSE AND SCOPE: 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. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: WORK SCOPE IS IN PROCESS OF PREPARATION.  
CURRENT STATUS: TAP II.A.1 HAS TO BE ESSENTIALLY COMPLETED BEFORE THIS CAN PROCEED. WORK PLANS ARE IN PLANNING STAGES.  
ISSUES: NONE TO DATE.  
COMMISSION ACTION: REVIEW

II.B.1 SAFETY REVIEW CONSIDERATION - REACTOR COOLANT NRR,ADM,IE REVISED: 11/80  
YELLOW SYSTEM VENTS (NRR)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI CONTACT: GERALD MAZETIS (X27359)  
OTHER OFFICE/INDIVIDUAL: NRR/G. ALBERTHAL  
PURPOSE AND SCOPE: TO VENT NONCONDENSIBLE GASES FROM THE REACTOR COOLANT SYSTEM.  
SCHEDULE: (ORIGINAL) INSTALL SYSTEM 01/81. (CURRENT) SUBMIT DESIGN & ANALYSES 07/81; INSTALL SYSTEM 01/82.  
ACCOMPLISHMENTS:  
CURRENT STATUS: FINAL CLARIFICATIONS AND SCHEDULES BEING PUBLISHED.  
ISSUES:

II.B.2 SAFETY REVIEW CONSIDERATION - PLANT SHIELDING TO PROVIDE  
YELLOW POST-ACCIDENT ACCESS TO VITAL AREAS (NRR) NRR,IE,SD,ADM REVISED: 11/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RAB/DSI CONTACT: DOUG COLLINS (X27614)  
(SEE II.B.8) OTHER OFFICE/INDIVIDUAL: SD/D. PYATT; NRR/T. MURPHY, P. DIBENEDETTO, R. SERBU, F. SKOPEC  
PURPOSE AND SCOPE: 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) DOCUMENT RESULTS ANALYSIS (VITAL AREAS) 01/81; COMPLETE  
MODIFICATIONS (VITAL AREAS) 01/82; EQUIPMENT QUALIFICATION COMMISSION ORDER 01/81 DOCUMENT 6/82 MODIFICATION.  
ACCOMPLISHMENTS: CATEGORY A SERS, 3/80; CLARIFICATION LETTER DRAFT 09/80.  
CURRENT STATUS: A SIGNIFICANT RESEARCH EFFORT IS UNDERWAY AT RES TO INVESTIGATE THE RELEASE OF FISSION  
PRODUCTS FROM THE REACTOR CORE AND TO ASSESS THE PARTITIONING OF THE FISSION PRODUCTS IN VARIOUS  
LOCATIONS IN THE NUCLEAR POWER PLANT. NRR HAS SENT LETTERS TO ALL OPERATING AND NEAR-TERM OPERATING  
REACTORS REQUIRING AN EVALUATION OF THIS PROBLEM, USING A "TID 14844" SOURCE TERM. THESE STUDIES  
AND REPORTS DESCRIBING THEM ARE ALMOST COMPLETE. THE CURRENT SOURCE TERM FOR THE PROPOSED REGULATORY  
GUIDE IS BASED ON THE INTERIM RULE CHANGE TO 10 CFR 50.44, ITEM II.B.8.  
ISSUES: THE RESULTS OF THIS ARE CLOSELY TIED TO THE INTERIM AND FINAL RULEMAKING, ITEM II.B.8. IF THE  
SCHEDULE OF II.B.8 CHANGES, IT COULD IMPACT THE SCHEDULE OF THIS ITEM. LICENSEES ENCOUNTERED PROBLEMS  
IN MEETING 1/1/81 DATE BECAUSE OF EQUIPMENT UNAVAILABILITY (SUCH AS REMOTELY OPERATED VALVES).

II.B.3 SAFETY REVIEW CONSIDERATION - POST-ACCIDENT SAMPLING (NRR) NRR,IE,SD,ADM REVISED: 11/80  
GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI CONTACT: PHIL STODDART (X27682)  
OTHER OFFICE/INDIVIDUAL: NRR/D. BANGART, W. GAMMILL, D. COLLINS  
PURPOSE AND SCOPE: 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 OCRE TO REACTOR COOLANT AND/OR CONTAINMENT.  
SCHEDULE: (ORIGINAL) NUREG-0578 PUBLISHED 01/81. (CURRENT) NUREG-737 PUBLISHED 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-737, TO BE ISSUED WEEK OF 11/03/80.  
ISSUES:

II.B.4 SAFETY REVIEW CONSIDERATION - TRAINING TO MITIGATE  
GREEN CORE DAMAGE (NRR) NRR,IE REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: JOE MCMILLEN (X27476)  
OTHER OFFICE/INDIVIDUAL: IE/S. BRYAN  
PURPOSE AND SCOPE: 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 REVIEWS TO BE COMPLETED FEBRUARY 1981.  
ACCOMPLISHMENTS: PROGRAMS HAVE BEEN REVIEWED FOR NTOL PLANTS. PROGRAMS ARE IN EFFECT AT ALL OPERATING  
PLANTS AUGUST 1980. REVIEWS ARE BEING SCHEDULED.  
CURRENT STATUS: PROGRAMS ARE IN EFFECT AT ALL OPERATING PLANTS AS OF AUGUST 1980. OL APPLICATIONS WILL  
ADDRESS PROGRAMS IN FSAR.  
ISSUES: NONE

II.B.5(1)  
GREEN

SAFETY REVIEW CONSIDERATION - RESEARCH ON PHENOMENA  
ASSOCIATED WITH DEGRADED CORE (RES)  
BEHAVIOR OF SEVERELY DAMAGED CORE - IN-PILE STUDIES  
\*\*COMPLETION DATE > FY81 \*PRIORITY 2

RES

REVISED: 11/80

(TACS: ) RESPONSIBLE BRANCH/DIVISION: DRSR CONTACT: MARION PICKLESIMER (X74263)  
OTHER OFFICE/INDIVIDUAL: RES/M. SILBERBERG; NRR/W. JOHNSTON  
PURPOSE AND SCOPE: DETERMINE CHARACTERISTICS OF FORMATION AND PROPERTIES OF DEBRIS PRODUCED  
BY A DISINTEGRATING LWR CORE DAMAGED BEYOND PRESENT DESIGN BASIS ACCIDENT LIMITS.  
SCHEDULE: (ORIGINAL) COMPLETE FIVE SEVERE FUEL DAMAGE TESTS IN BUNDLES 04/85; COMPLETE DATA  
ANALYSES, CHARACTERIZATION OF DEBRIS 09/86; ISSUE TOPICAL REPORTS ON SEVERE FUEL DAMAGE  
TESTS 09/87. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: 09/80 - CONCEPTUAL TEST DESIGN COMPLETED, CONCEPTUAL 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 UNDERWAY. TEST MATRIX ESTABLISHED FOR  
INITIAL PHASE OF TESTING. EXPERIMENTAL PROGRAM COORDINATED WITH OTHER SEVERE ACCIDENT  
STUDIES IN NRC, FNS/KFK, JAERI.  
ISSUES: FUNDS LIMITATIONS SLOW CONDUCT OF TEST MATRIX, EXTEND TIME SCALE OF PROGRAM.  
COMPETING TEST DATA REQUIREMENTS MAKE CONSENSUS ON TEST CONFIGURATION DIFFICULT TO  
OBTAIN. SIMILAR TESTS HAVE NEVER BEEN CONDUCTED BEFORE EXCEPT AT TMI-2. LIMITED  
INFORMATION AVAILABLE FOR PLANNING TEST AND PREDICTING RESULTS.

II.B.5(2)  
YELLOW

SAFETY REVIEW CONSIDERATION - RESEARCH ON PHENOMENA  
ASSOCIATED WITH DEGRADED CORE (RES)  
BEHAVIOR OF CORE MELT  
\*\*COMPLETION DATE > FY81 \*PRIORITY 2

RES

REVISED: 11/80

(TACS: ) RESPONSIBLE BRANCH/DIVISION: DRSR CONTACT: CHARLES KELBER (X74320)  
OTHER OFFICE/INDIVIDUAL: AASTR/R. CURTIS; EASTR/M. SILBERBERG; ATP/R. FOULDS  
PURPOSE AND SCOPE: 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) FIRST LARGE SCALE POUR OF MOLTEN FUEL 10/81. DRAFT PROGRAM PLAN FOR  
INTER-OFFICE REVIEW 06/80. NRR REVIEW OF 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.  
ACCOMPLISHMENTS: THE Z/IP 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: DRAFT PROGRAM PLAN REVIEW WILL BE COORDINATED WITH RULEMAKING STEERING GROUP.  
HIGH TEMPERATURE FISSION PRODUCT RELEASE PROGRAM HAS BEEN INITIATED AND FULLY INSTRUMENTED  
TEST SERIES ON STEAM EXPLOSIONS IS ON SCHEDULE. APPLICABLE TECHNOLOGY OF LMFBR SAFETY IS  
BEING RE-ORIENTED TO LWR CORE MELT AREA WITH SCHEDULED EVALUATION OF STATUS OF MARCH 1981,  
EXPECTED TO CONFORM TO RULEMAKING STEERING GROUP FINDINGS.  
ISSUES: CURRENT RESOURCES WILL PROVIDE RESULTS ON 5-6 YEAR TIME FRAME. THIS IS INCONSISTENT  
WITH CURRENT RULEMAKING SCHEDULE.



II.B.6 SAFETY REVIEW CONSIDERATION - RISK REDUCTION FOR OPERATING  
YELLOW REACTORS IN HIGH-POPULATION DENSITY AREAS (NRR) NRR,IE,RES REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI CONTACT: JAMES MEYER (X27943)  
OTHER OFFICE/INDIVIDUAL: NRR/S. ISRAEL, T. SPEIS  
PURPOSE AND SCOPE: TO DEFINE AND EVALUATE ACCIDENT MITIGATION AND ACCIDENT PREVENTION FEATURES THAT  
WILL SATISFY THE TASK OBJECTIVE, NAMELY THAT OF SIGNIFICANTLY REDUCING RISK FROM DEGRADED CORE  
OR CORE MELT ACCIDENTS AT HIGH POP. SITES. LIMITED TO ZION & I.P.  
SCHEDULE: (ORIGINAL) DECISION ON DESIGN CRITERIA AND BASES - 07/80. (CURRENT) DECISION ON REQUIREMENT  
FOR FEATURES - 12/80.  
ACCOMPLISHMENTS: TECHNOLOGY EXCHANGE (WITH UTILITIES) MEETINGS COMPLETED 06/80.  
CURRENT STATUS: STAFF REPORT ON WHETHER FEATURES WILL SIGNIFICANTLY REDUCE RISK, AND IF SO, WHAT ARE  
THE FUNCTIONAL REQUIREMENTS IS IN PREPARATION. REVIEW OF OSP-PAS EVALUATION OF Z/IP IS IN PROGRESS.  
ISSUES: UTILITY INPUT (ZION/INDIAN POINT) IN THE FORM OF A FINAL REPORT WILL BE DELAYED FROM 10/80 TO 1/81.

II.B.7 SAFETY REVIEW CONSIDERATION - ANALYSIS OF HYDROGEN  
INACTIVE CONTROL (NRR) NRR,SD REVISED: 10/80  
(SEE \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
II.B.3) (TACS: 42848) RESPONSIBLE BRANCH/DIVISION: CSB/DSI CONTACT: CHARLES TINKLER (X29421)  
OTHER OFFICE/INDIVIDUAL: RSB/J. LONG  
PURPOSE AND SCOPE: 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)  
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 COMPLETED 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:

II.B.8 SAFETY REVIEW CONSIDERATION - RULEMAKING PROCEEDING  
GREEN ON DEGRADED-CORE ACCIDENTS (5D) SD,NRR,ADM,RES REVISED: 10/80  
COMMISSION\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: 42849) RESPONSIBLE BRANCH/DIVISION: R55B/DES CONTACT: MANUEL MEDEIROS (X35913)  
OTHER OFFICE/INDIVIDUAL: NRR/J. MEYER, S. ISRAEL, T. SPEIS  
PURPOSE AND SCOPE: DEVELOP RULEMAKING ON CONSIDERATION OF DEGRADED OR MELTED CORES IN DESIGN AND SAFETY  
REVIEWS. INCLUDED IS A COMPREHENSIVE REVIEW AND EVALUATION OF RELATED REGULATIONS AND REGULATORY GUIDES  
TO ASSURE DEGRADED COOLING IS CONSIDERED AND APPLIED IN A UNIFORM AND CONSISTENT MANNER.  
SCHEDULE: (ORIGINAL) ADVANCE NOTICE FOR RULEMAKING - 10/80; PROPOSED INTERIM RULE FOR H2 CONTROL, ETC. - 10/80;  
EFFECTIVE INTERIM RULE FOR H2 CONTROL, ETC. 01/81; (CURRENT) PROPOSED RULE FOR DEGRADED COOLING -  
01/82; EFFECTIVE RULE FOR DEGRADED COOLING - 01/83\*. \*ASSUMING NO HEARING.  
ACCOMPLISHMENTS: ADVANCE NOTICE FOR RULEMAKING FOR DEGRADED COOLING AND PROPOSED INTERIM RULE FOR HYDROGEN  
CONTROL AND CERTAIN DEGRADED CORE CONSIDERATIONS APPROVED FOR PUBLICATION IN THE FEDERAL REGISTER.  
CURRENT STATUS: ANR FOR DEGRADED COOLING WAS PUBLISHED FOR A 90-DAY PUBLIC COMMENT PERIOD ON 10/02/80. THIS  
RULEMAKING CONSIDERS TO WHAT EXTENT, IF ANY, NUCLEAR POWER PLANTS SHOULD BE DESIGNED TO DEAL EFFECTIVELY  
WITH DEGRADED OR CORE-MELT ACCIDENTS AND TO MITIGATE THEIR CONSEQUENCES.  
ISSUES: THE LONG-TERM DEGRADED CORE COOLING RULEMAKING INVOLVES MANY SIGNIFICANT ISSUES AND PROBLEMS TO BE  
RESOLVED. THE ANR SOLICITS PUBLIC COMMENTS REGARDING MANY OF THEM. THE BASIC ISSUE IS WHAT CHANGES,  
IF ANY, SHOULD BE REQUIRED IN THE SAFETY DESIGN BASIS OF NUCLEAR POWER PLANTS.  
COMMISSION ACTION: REVIEW

II.C.1 INTERIM RELIABILITY EVALUATION PROGRAM (IREP) (RES) RES,ADM REVISED: 10/80  
GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: 40013) RESPONSIBLE BRANCH/DIVISION: RES CONTACT: ROBERT BERNERO (X28528)  
OTHER OFFICE/INDIVIDUAL: NRR/S. DAVIS, R. FRAHM, P. O'REILLY, D. LASHER, J. TSAO  
PURPOSE AND SCOPE: 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 3), FOLLOWED BY A SCALED-UP STUDY  
OF SIX 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 IMLEM. 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 IMLEM. OF  
GENERIC FINDINGS. (CURRENT) (1) PILOT STUDY (CR-3) 05/80, (2) REGULATORY EVAL. & RQMTS. FOR IMLEM. OF GEN.  
FINDINGS UNKNOWN, (3) SIX-PLANT STUDY 07/81, (4) INITIAL DRAFT RECOMMENDATIONS BASED ON FINDINGS 09/81,  
(5) REGULATORY EVAL. & RQMTS. FOR IMLEM. OF GENERIC FINDINGS 02/82.  
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. ARRANGEMENTS MADE FOR ALL FOUR PROJECTS TO START 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.  
ISSUES: SIGNIFICANT DEFICIENCIES IDENTIFIED DURING PEER REVIEW MAY REQUIRE MAJOR REVISION OF REPORT DOCUMENTING  
FINDINGS AND RECOMMENDATIONS OF PILOT STUDY. THIS COULD ADVERSELY IMPACT THE PROJECTED SCHEDULE FOR COMPLETION  
OF THE PILOT STUDY EFFORT.



II.C.2 CONTINUATION OF IREP (RES)

RES

REVISED: 10/80

YELLOW \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
COMMISSION(TACS: 40013) RESPONSIBLE BRANCH/DIVISION: PRAB/DST CONTACT: ASHOK THADANI (X28090)  
OTHER OFFICE/INDIVIDUAL: NONE

PURPOSE AND SCOPE: FOLLOWING COMPLETION OF THE INITIAL IREP (II.C.1), IREP 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) NO CHANGE AT PRESENT, BUT SEE ISSUES.

ACCOMPLISHMENTS: N/A

CURRENT STATUS: N/A

ISSUES: DELAYS HAVE BEEN ENCOUNTERED IN THE COMPLETION OF THE PILOT STUDY (CR-3) AND IN THE INITIATION OF THE SIX-PLANT STUDY, AS IDENTIFIED IN THE SUMMARY FOR ACTION ITEM II.C.1. SINCE PREPARATION OF THE COMMISSION PAPER RECOMMENDING THE APPROACH TO BE USED IN THE CONTINUATION OF THE IREP PROGRAM DEPENDS UPON THE EXPERIENCE OBTAINED DURING THE PILOT STUDY AND THE SIX-PLANT STUDY AND ONGOING NEGOTIATIONS WITH THE INDUSTRY AND TECHNICAL SOCIETIES, THE COMMISSION PAPER MAY BE DELAYED SOMEWHAT.

COMMISSION ACTION: REVIEW

II.C.3  
YELLOW

RISK ASSESSMENT - SYSTEMS INTERACTION (NRR)

NRR,IE,SD,RES,ADM

REVISED: 10/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: 42044) RESPONSIBLE BRANCH/DIVISION: SIB/NRR CONTACT: JOHN STOLZ (X27391)  
OTHER OFFICE/INDIVIDUAL: NRR/THADANI, KNIEL  
SD/NORBERG

PURPOSE AND SCOPE: DEVELOP METHODOLOGY FOR SYSTEMS INTERACTION (SI) ANALYSIS OF LWR'S; AND THE REGULATORY GUIDANCE FOR USE BY STAFF & INDUSTRY IN SI EVALUATIONS 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 4/1/81. REGULATORY GUIDANCE FROM A-17 STUDIES DRAFT BY 12/80; REG. GUIDE BY 6/81. (CURRENT) DIABLO CANYON INDUCED SI STUDIES; SER ISSUANCE 10/80; ACR5 11/80; F.P. 3/81 INDIAN POINT 3 SI REVIEW: START 10/80; LICENSEE STUDIES COMPLETE 4/81; SER 9/81 REGULATORY GUIDANCE - (NONE FROM A-17); INTERIM GUIDANCE FROM REG. GUIDANCE DEVELOPMENT TASK; DRAFT 7/81; INTERIM GUIDANCE 10/81.

ACCOMPLISHMENTS: DEVELOP TECH ASSISTANCE PROGRAM THROUGH FY 82 - ISSUED JUNE 80; REVISED 8/12/80. AUTHORIZED TECH ASSISTANCE EFFORT FY 80 ON DIABLO CANYON & STATE-OF-ART ON SI; 7/8/80. INITIATE INDIAN POINT 3 SI EFFORT; INITIAL MEETING WITH LICENSEE 7/24/80. ISSUED DIABLO CANYON SI SER-10/80.

CURRENT STATUS: THREE LABS (LLL, BNL, BCL) CONDUCTING FY 80 STATE-OF-ART STUDIES ON SI FROM WHICH SEVERAL METHODOLOGIES CAN BE DEVELOPED FOR NEAR TERM USE (MID FY 81) BY STAFF INDUSTRY; FINAL REPORTS DUE 11/10/80. SER TO BE ISSUED ON DIABLO CANYON STUDIES BEFORE 10/1/80 FOR USE AT OCT. 80 ACRS MEETING. TECH. ASSISTANCE RFP CONTRACTS FOR FY 81-82 SUBMITTED TO PROGRAM SUPPORT IN 09/80, AWAITING TRANSMITTAL TO LABS - WORK INVOLVES I.P. #3 SI REVIEWS; DEVELOPMENT OF SI REG GUIDANCE; AND STARTING PILOT SI REVIEWS OF SELECTED LWR PLANTS.

ISSUES: EXPECT DIFFICULTIES ESTABLISHING CONSENSUS REGARDING SI DEFINITIONS & CRITERIA; AND METHODS THAT CAN SYSTEMATICALLY PICK UP ACTUAL OPERATING OCCURRENCES INVOLVING SI. RELATED SANDIA EFFORT ON A-17 NOT PROGRESSING TOWARDS RESOLUTION; FAULT FREE METHODOLOGY NEEDS REVIEW TO DETERMINE FEASIBILITY OF REFLECTING A RANGE OF ACTUAL SI OPERATING OCCURRENCES; PROGRAM SUPPORT DELAYS IS PRESENTLY RFP'S FOR FY 81 & FY 82 TO THE LABS.

II.C.4  
INACTIVE

RISK ASSESSMENT - RELIABILITY ENGINEERING (NRR)

NRR,RES

REVISED: 10/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RRAB/DST CONTACT: ASHOK THADANI (X28090)  
OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: NRR WILL DEVELOP CRITERIA AND PROCEDURES TO APPLY RELIABILITY ENGINEERING PRACTICES TO NUCLEAR PLANT ACTIVITIES ON A COMPREHENSIVE AND CONSISTENT BASIS. ULTIMATELY, RELIABILITY ASSURANCE PROGRAM REQUIREMENTS WILL BE PROMULGATED BY SD IN A NEW REGULATORY GUIDE.

SCHEDULE: (ORIGINAL) FY 1982 - SCHEDULE DEPENDENT ON AVAILABILITY OF RESOURCES. (CURRENT) N/A

ACCOMPLISHMENTS: N/A

CURRENT STATUS: N/A

ISSUES: INITIATION OF THIS ACTION ITEM DEPENDS UPON THE AVAILABILITY OF RESOURCES.

II.D.1  
YELLOW

COOLANT SYSTEM VALVES - TESTING REQUIREMENTS (NRR)

REVISED: 10/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: 41068) RESPONSIBLE BRANCH/DIVISION: EPLB, EPPO CONTACT: FRANK PAGANO (X27846)  
OTHER OFFICE/INDIVIDUAL: NRR/E. HEMMINGER, R. LAGRANGE

PURPOSE AND SCOPE: APPLICANTS & LICENSEES TO CONDUCT TESTING TO QUALIFY REACTOR COOLANT RELIEF AND SAFETY VALVES 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. (CURRENT) SAME AS ORIGINAL PLUS A REQUIREMENT FOR VERIFICATION OF PWR-PORV BLOCK VALVE FUNCTIONABILITY BY 07/82 HAS BEEN SENT TO D. EISENHUT FOR ISSUANCE TO PWR LICENSEES & NTOL'S.

ACCOMPLISHMENTS: A) REVIEW AND COMMENTS ON GENERIC TESTS PROGRAMS - (PWR'S (EPRI PROGRAM) - 08/80 (NRC-EPRI MEETING) BRW'S (BWR OWNERS) - ESTIMATE 10/80. B) REQUIREMENTS FOR VERIFICATION OF PORV BLOCK VALVE FUNCTIONABILITY AND PLANT SPECIFIC DOCUMENTATION SUBMITTAL DATES FOR SAFETY AND RELIEF VALVES AND ASSOCIATED PIPING WERE SENT TO D. EISENHUT FOR TRANSMITTAL TO LICENSEES AND NTOL'S 8-1-80.

CURRENT STATUS: THE EPRI PROGRAM PLAN FOR TESTING OF PWR SAFETY AND RELIEF VALVES HAS BEEN SUBMITTED AND IS BEING REVIEWED FOR COMMENTS. THESE COMMENTS WILL BE DISCUSSED AND PRESENTED TO EPRI BY THE NRC SAFETY AND RELIEF VALVE REVIEW GROUP DURING A MEETING SCHEDULED FOR AUGUST 12, 1980. THE BWR OWNERS HAVE COMMITTED TO LOW PRESSURE LIQUID TESTING OF SAFETY AND RELIEF VALVES, AND ARE EVALUATING THE NEED FOR HIGH PRESSURE LIQUID AND TWO PHASE FLOW TESTING. THE RESULTS OF THIS EVALUATION WILL BE PRESENTED TO THE NRC SAFETY AND RELIEF VALVE REVIEW GROUP AT A MEETING SCHEDULED FOR AUGUST 27, 1980. IT HAS BEEN AGREED THAT, SHOULD HIGH PRESSURE LIQUID AND TWO PHASE FLOW TESTING BE REQUIRED, IT COULD BE INCORPORATED INTO THE TEST PROGRAM AND COMPLETED BY JULY 1981, PROVIDED THAT THE OWNERS GROUP RECEIVES A FINAL POSITION ON THE NEED FOR SUCH TESTING FROM THE NRC BY NO LATER THAN OCTOBER 1, 1980.

ISSUES: THE PRIMARY PROBLEM AS OF 8/11/80 IS THAT THE SCHEDULE FOR PWR VALVE TESTING APPEARS TIGHT AND COMPLETION BY JULY 1, 1981 IS QUESTIONABLE.

\*II.D.2

COOLANT SYSTEM VALVES - RESEARCH ON TEST REQUIREMENTS (RES)

RES

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: DRSR CONTACT: MILTON STOLTZENBURG (X74272)  
OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: CONTRACT WITH FIRM TO SERVE AS MONITOR FOR INDUSTRY VALVE TEST AND STUDY AT EPRI; STUDY ALL POTENTIAL FLUID CONDITIONS THE VALVES MIGHT BE EXPOSED TO.

SCHEDULE: (ORIGINAL) (CURRENT)

ACCOMPLISHMENTS:

CURRENT STATUS:

ISSUES: (NO INFORMATION HAS BEEN PROVIDED FOR THIS ITEM)

II.D.3 COOLANT SYSTEM VALVES - VALVE POSITION INDICATION (NRR) NRR,IE REVISED: 11/80  
 REQMENT \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: ICSB/DSI CONTACT: JACK ROSENTHAL (X29434)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: 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: RECOMMENDATIONS ARE BEING IMPLEMENTED ON OL'S PRIOR TO POWER OPERATIONS ACCORDING  
 TO REVIEW SCHEDULES.  
 ISSUES: SEVERAL LICENSEES ARE HAVING DIFFICULTY DEMONSTRATING ENVIRONMENTAL QUALIFICATION. COMPLETION  
 OF SOME DEMONSTRATIONS MAY BE DELAYED AS LONG AS ONE YEAR.

II.E.1.1 AUXILIARY FEEDWATER SYSTEM EVALUATION (NRR) NRR,IE,RES REVISED: 10/80  
 YELLOW \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: ASB/DSI CONTACT: OLAN PARR (X27931)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: 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 - ZION 1&2 - 05/80, INDIAN POINT 2 - 05/80, INDIAN POINT 3 - 06/80,  
 D.C. COOK - 08/80, SEQUOYAH 1&2 - 07/80, H. B. ROBINSON - 08/80, SALEM 1&2 - 07/80, NORTH ANNA 1&2 - 06/80,  
 FARLEY 1&2 - 09/80, TROJAN - 09/80, SURREY 1&2 - 10/80.  
 CURRENT STATUS: POINT BEACH IS IN DRAFT.  
 ISSUES: DIABLO CANYON, SUMMER, MCGUIRE AND SAN ONOFRE 2&3 RELIABILITY EVALUATIONS ARE BEING PERFORMED  
 BY SANDIA. DATES ARE SHORT AND SAN ONOFRE HAS NOT SUPPLIED REQUIRED INFORMATION.

II.E.1.2 AUXILIARY FEEDWATER SYSTEM AUTOMATIC INITIATION AND NRR REVISED: 10/80  
 YELLOW FLOW INDICATION (NRR)  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: ICSB/DSI CONTACT: DALE THATCHER (X29426)  
 OTHER OFFICE/INDIVIDUAL: NRR/R. KENDALL, W. LEFAVE  
 PURPOSE AND SCOPE: 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 - 01/81. (CURRENT) RESPONSES  
 FROM LICENSEES DUE 10/80. FINAL COMPLETION DATE 05/81.  
 ACCOMPLISHMENTS: SERS COMPLETE FOR SIX ORS AND THREE NTOLS.  
 CURRENT STATUS: REVIEW OF NTOL AND OR SUBMITTALS BY ICSB AND FRANKLIN RESEARCH CENTER IN PROGRESS.  
 ISSUES: INCOMPLETE LICENSEE SUBMITTALS.

II.E.1.3 UPDATE STANDARD REVIEW PLAN AND DEVELOP REGULATORY GUIDE (NRR) NRR REVISED: 11/80  
 GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY -  
 (TACS: 40047) RESPONSIBLE BRANCH/DIVISION: ASB/DSI CONTACT: WILLIAM LEFAVE (X28298)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: REVISE SRP 10.4.9 TO INCLUDE LESSONS LEARNED RECOMMENDATIONS - B&O TASK FORCE RECOMMENDATIONS.  
 SCHEDULE: (ORIGINAL) NONE (CURRENT) MARCH 1ST COMPLETION DATE FOR SRP REV. (SAME AS ALL SRP'S) NO SCHEDULE FOR R.G.  
 ACCOMPLISHMENTS: SUMMARIZED CHANGES TO SRP, FORWARDED TO D. SKOVOLT & LOU RIANI.  
 CURRENT STATUS: REVISIONS IN PROGRESS - NOT HIGH PRIORITY SINCE II.E.1.1 AND II.E.1.2 HAVE IMPLEMENTED  
 REQUIREMENTS FOR OR'S AND OL'S.  
 ISSUES: NONE AT PRESENT.

- II.E.2.1 RELIANCE ON THE EMERGENCY CORE COOLING SYSTEM (ECCS) (NRR) NRR REVISED: 11/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI CONTACT: NORMAN LAUBEN (X27589)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: 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) (CURRENT)  
 ACCOMPLISHMENTS:  
 CURRENT STATUS: DELAYED UNTIL 1982 WHEN RESOURCES SHOULD BECOME AVAILABLE.  
 ISSUES:
- II.E.2.2 RESEARCH ON SMALL BREAK LOCAS AND ANOMALOUS TRANSIENTS (RES) RES,NRR,ADM REVISED: 11/80  
 GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: LRB/RSR CONTACT: MCPHERSON (X74437)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: 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 5 LOFT TESTS IN FY1980. COMPLETE 7 LOFT TESTS IN FY 1981.  
 ACCOMPLISHMENTS: SMALL BREAK LOCA'S - SCALED 4 IN - 11/79; SCALED 1 IN - 2,6, & 9/80. ANOMOLOUS TRANSIENTS - LOSS OF FEEDWATER - 06/80; LOSS OF PC FLOW - 10/80; LOSS OF LOAD - 10/80; EXCESSIVE LOAD INCREASE - 10/80.  
 CURRENT STATUS: THE PLANT IS BEING PREPARED FOR THE PUMPS ON TEST SCHEDULED FOR 12/80. THAT TEST IS BEING PREDICTED BY THE U.S. PWER VENDORS AS A REQUIRED PROBLEM. PLANS ARE BEING FORMULATED FOR CORE UNCOVERY EXPERIMENTS, CORE DAMAGE TESTS, AND MULTIPLE FAILURE TRANSIENTS. ADVANCED CONTROL ROOM AND DIAGNOSTIC INSTRUMENTATION ARE BEING USED AS PART OF THE ADURMENTED OPERATOR CAPABILITIES PROGRAM TO ASSESS OPERATOR NEEDS TO MITIGATE THE CONSEQUENCES OF ACCIDENTS AND TRANSIENTS. A RIL IS BEING PREPARED ON THE AOC PROGRAM.  
 ISSUES: THE EFFECT OF REACTOR COOLANT PUMP OPERATION FOLLOWING A SMALL BREAK LOCA IS BEING STUDIED VIA THE PUMPS OFF TESTS, L3-5, AND THE PUMPS ON TEST, - L3-6. THIS WILL ASSIST NRR IN ASSESSING VENDORS COMPUTER CODES AND PLANT OPERATING PROCEDURES.
- II.E.2.3 UNCERTAINTIES IN ECCS PERFORMANCE PREDICTIONS (NRR) NRR,ADM REVISED: 11/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI CONTACT: NORMAN LAUBEN (X27589)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: 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) (CURRENT)  
 ACCOMPLISHMENTS:  
 CURRENT STATUS: DELAYED UNTIL 1982 WHEN RESOURCES SHOULD BECOME AVAILABLE.  
 ISSUES:



- II.E.3.1 COMPLETE DECAY HEAT REMOVAL - RELIABILITY OF POWER SUPPLIES FOR NATURAL CIRCULATION (NRR) NRR,IE REVISED: 11/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: PSB/DSI CONTACT: FAUST ROSA (X27122)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: 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) SAME AS ORIGINAL AND, 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: SAME AS CURRENT SCHEDULE.  
 ISSUES: NONE
- II.E.3.2 YELLOW DECAY HEAT REMOVAL - SYSTEMS RELIABILITY (NRR) NRR,RES REVISED: 11/80  
 \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
 (TACS: 43187) RESPONSIBLE BRANCH/DIVISION: RSB/DSI CONTACT: BRIAN SHERON (X27460)  
 OTHER OFFICE/INDIVIDUAL: RES/M. TAYLOR; NRR/A. MARCHESI  
 PURPOSE AND SCOPE: 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.  
 SCHEDULE: (ORIGINAL) COMPLETE STUDIES 08/82. (CURRENT) DEVELOP CRITERIA FOR DESIGN ACCEPTABILITY 02/80. COMPLETE STUDIES (UNDETERMINED).  
 ACCOMPLISHMENTS: INITIATED WORK ON DEVELOPMENT OF ACCEPTANCE CRITERIA FOR DHR RELIABILITY. INITIATED WORK TO DEFINE DETAILED WORK SCOPE & EFFORT.  
 CURRENT STATUS: WORK TO ACCOMPLISH ITEMS IDENTIFIED ABOVE ONGOING.  
 ISSUES: MANPOWER REQUIREMENTS NECESSARY TO COMPLETE WORK ON ORIGINAL SCHEDULE REDUCED AND DIVERTED TO HIGHER PRIORITY LICENSING TASKS. ORIGINALLY ESTIMATED COMPLETION DATE OF 08/82 WILL PROBABLY BE DELAYED.
- II.E.3.3 INACTIVE COORDINATED STUDY OF SHUTDOWN HEAT REMOVAL REQUIREMENTS (NRR) NRR REVISED: 10/80  
 \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
 (TACS: 40042) RESPONSIBLE BRANCH/DIVISION: DSI/SPEB CONTACT: RICHARD LOBEL (X27463)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: 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.  
 SCHEDULE: (ORIGINAL) (1) DEVELOP OBJECTIVES IN CONJUNCTION WITH ACRS 11/80; (2) PERFORM RISK ASSESSMENT 7/1/81; (3) STUDY ALTERNATIVE CONCEPTS AND MAKE RECOMMENDATION 12/31/82. (CURRENT) SAME AS ORIGINAL.  
 ACCOMPLISHMENTS: EFFORT HAS NOT YET STARTED.  
 CURRENT STATUS: EFFORT HAS NOT YET STARTED.  
 ISSUES: NONE IDENTIFIED.

II.E.3.4  
YELLOW

DECAY HEAT REMOVAL - ALTERNATE CONCEPTS RESEARCH (RES)

RES

REVISED: 11/80

\*\*COMPLETION DATE > FY81 \*PRIORITY -

(TACS: ) RESPONSIBLE BRANCH/DIVISION: EAST/ASTR/RES CONTACT: MELVIN SILBERBERG (X74329)  
OTHER OFFICE/INDIVIDUAL: EAST/T. WALKER

PURPOSE AND SCOPE: DETERMINE THE TECHNICAL FEASIBILITY OF BACKFITTING PASSIVE CONTAINMENT COOLING DEVICES IN EXEMPLARY CONTAINMENT STRUCTURES SUCH AS INDIAN POINT 3. 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 SELECTED 08/81. (CURRENT) SAME AS ORIGINAL.

ACCOMPLISHMENTS: N/A

CURRENT STATUS: AWAITING PROCESSING BY ENGINEER CURRENTLY OCCUPIED WITH HIGHER PRIORITY RFPs. AGREEMENT IN PRINCIPLE WITH NRR ON TECHNICAL SCOPE AND CONTENT. FURTHER PROGRESS LIMITED BY STAFF AVAILABILITY.

ISSUES: INSUFFICIENT STAFF TO COPE WITH PROCUREMENT PROCESS.

II.E.3.5  
GREEN

DECAY HEAT REMOVAL - REGULATORY GUIDE (SD)

SD

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -

(TACS: ) RESPONSIBLE BRANCH/DIVISION: EMSB/DES CONTACT: RAJENDER AULUCK (X35921)  
OTHER OFFICE/INDIVIDUAL: NRR/C. GRAVES, OSD/T. SCARBROUGH

PURPOSE AND SCOPE: 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 - 10/80, ISSUE EFFECTIVE REVISION 1 TO R.G. 1.139 09/81.

ACCOMPLISHMENTS: REVISION 1 TO R.G. 1.139 COMPLETED AND SENT TO NRR FOR CONCURRENCE (06/80).

CURRENT STATUS: CURRENTLY NRR IS REVIEWING THE IMPLEMENTATION SECTION OF PROPOSED REV. 1 TO REGULATORY GUIDE 1.139 AND THE GUIDE WILL BE ISSUED FOR COMMENT AS SOON AS NRR COMPLETES THE REVIEW.

ISSUES:

II.E.4.1  
GREEN

CONTAINMENT DESIGN - DEDICATED PENETRATIONS (NRR)

NRR,IE

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: CSB/DSI CONTACT: MEL FIELDS (X29417)  
OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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. (CURRENT) IMPLEMENT DESIGN CHANGES FOR OPERATING PLANTS - 07/81. IMPLEMENT DESIGN CHANGES FOR OLS - 07/81 OR PRIOR TO POWER OPERATION.

ACCOMPLISHMENTS: PRELIMINARY CLARIFICATION LETTER SENT TO ALL ORS AND OLS ON SEPTEMBER 5, 1980 PROVIDED SCHEDULE CHANGES. REGIONAL MEETINGS DURING WEEK OF SEPTEMBER 22, 1980 CLARIFIED REQUIREMENTS.

CURRENT STATUS: PREPARING FINAL CLARIFICATION LETTER DUE OUT IN LATE OCTOBER 1980.

ISSUES: NONE

II.E.4.2  
GREEN

CONTAINMENT DESIGN- ISOLATION DEPENDABILITY (NRR)

NRR,IE,SD,ADM

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: CSB/DSI CONTACT: MEL FIELDS (X29417)

OTHER OFFICE/INDIVIDUAL: NRR/J. SHAPAKER; OSD/T. SCARBROUGH

PURPOSE AND SCOPE: DEVELOP AND ISSUE REVISION 1 TO REGULATORY GUIDE 1.141 ENDORSING ANS-56.2/ANSI N271-1976 AND SPECIFYING REQUIREMENTS FOR THREE DIVERSE CONTAINMENT ISOLATION SIGNALS (I.E. ESF ACTUATION, CONTAINMENT PRESSURE, AND CONTAINMENT RADIATION).

SCHEDULE: (ORIGINAL) ISSUE EFFECTIVE REV. 1 TO R.G. 1.141 - 07/80. (CURRENT) ISSUE EFFECTIVE REV. 1 TO R.G. 1.141 - 12/80; ISSUE REV. 2 TO R.G. 1.141 - 12/81.

ACCOMPLISHMENTS: PRELIMINARY CLARIFICATION LETTER SENT TO ALL ORS AND OLS 09/80 PROVIDED

SCHEDULE CHANGES. REGIONAL MEETINGS DURING WEEK OF 09/22/80 CLARIFIED REQUIREMENTS.

CURRENT STATUS: CURRENTLY REV. 1 TO R.G. 1.141 IS ON HOLD PENDING RESOLUTION OF NRR CONCERN ON THE IMPLEMENTATION SECTION OF THE REGULATORY GUIDE. CSB/NRR IS TO HELP OSD PREPARE A MATRIX WHICH WOULD REPRESENT PROPOSED IMPLEMENTATION REQUIREMENTS FOR EACH POSITION OF THE REGULATORY GUIDE FOR EACH CLASS OF PLANT (E.G., CP'S, OL'S, OPERATING PLANTS, ETC.). PREPARING FINAL CLARIFICATION LETTER DUE OUT IN LATE 10/80.

ISSUES:

II.E.4.3  
INACTIVE

CONTAINMENT DESIGN - INTEGRITY CHECK (NRR)

NRR

REVISED: 10/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: CSB/DSI CONTACT: JOHN KUDRICK (X29415)

OTHER OFFICE/INDIVIDUAL: NRR/J. SHAPAKER

PURPOSE AND SCOPE: 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. (CURRENT) SAME AS ORIGINAL.

ACCOMPLISHMENTS: STATEMENT OF SAFETY RATIONALE WRITTEN 09/24/80.

CURRENT STATUS: IN THE NRR PRIORITY LISTING OF THE TMI ACTION PLAN ITEMS, ITEM II.E.4.3, IS A LOWER PRIORITY ITEM AND WILL BE ADDRESSED CONTINGENT ON STAFF MANPOWER AVAILABILITY. SINCE ADMINISTRATIVE MEASURES ARE IN PLACE TO ASSURE PROPER VALVE ALIGNMENT, AND SINCE II.E.4.3 DOES NOT STEM DIRECTLY FROM THE TMI-2 EXPERIENCE, II.E.4.3 HAS BEEN GIVEN A LOWER PRIORITY RATING AND WILL BE ADDRESSED LATER.

ISSUES: NONE

II.E.4.4  
GREEN

CONTAINMENT DESIGN - PURGING (NRR)

NRR

REVISED: 10/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: CSB/DSI CONTACT: JAMES SHAPAKER (X29416)

OTHER OFFICE/INDIVIDUAL: NRR/J. ZUDANS, W. PASEDAG, J.T.BEARD

PURPOSE AND SCOPE: 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) ISSUE MODIFIED PURGING/VENTING REQUIREMENTS BASED ON RESULTS OF STUDIES BY DECEMBER 1981 AND IMPLEMENT BY DECEMBER 1982. (CURRENT) SAME AS ORIGINAL.

ACCOMPLISHMENTS: CONTRACT WITH LLNL INITIATED BY CSB 08/07/80.

CURRENT STATUS: THE CONCERNS OF II.E.4.4 ARE BEING ADDRESSED BY SEVERAL NRR BRANCHES UNDER DOR GENERIC TASK B-24 (E. A. REEVES, LEAD PROJECT MANAGER): VALVE OPERABILITY (EQB); ELECTRICAL CONTROLS (ORAB); RADIOLOGICAL CONSEQUENCES (AEB); SYSTEM DESIGN AND OPERATIONAL ASPECTS (CSB). ALL OR PLANTS BEING EVALUATED TO ASSURE UNIFORM APPLICATION OF PURGE/VENT CRITERIA, AND THEREBY ACHIEVE IMPROVEMENT IN SAFETY. SIMILAR EFFORT IN CP/OL APPLICATIONS.

ISSUES: POSITION PAPER ON PURGE/VENT SYSTEM USAGE BEING DEVELOPED BY CSB.

II.E.5.1  
YELLOW

DESIGN EVALUATION OF B&W REACTORS (NRR)

NRR

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: 03761) RESPONSIBLE BRANCH/DIVISION: RSB/DSI

CONTACT: WALTON JENSEN (X29459)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: TO REDUCE THE SENSITIVITY OF B&W PLANTS TO FEEDWATER TRANSIENTS, WITH EMPHASIS ON THE OVERCOOLING TRANSIENTS OBSERVED AT B&W PLANTS.

SCHEDULE: (ORIGINAL) RESPONSES RECEIVED & UNDER REVIEW 09/80. (CURRENT) RESPONSES TO BE REVIEWED IN CONCERT WITH II.E.5.2 FOR EVENTUAL IMPLEMENTATION 09/81.

ACCOMPLISHMENTS: RESPONSES TO 10/25/79 ORDERS RECEIVED.

CURRENT STATUS: FURTHER IMPLEMENTATION AWAITING OUTCOME OF STAFF REVIEW OF II.E.5.2.

ISSUES: INSUFFICIENT RESOURCES AVAILABLE INHOUSE. TECHNICAL ASSISTANCE HAS BEEN INITIATED WITH ANL TO PERFORM REVIEW (FIN A2114). CURRENT PROJECTED COMPLETION DATE IS SEPTEMBER 1981.

II.E.5.2  
GREEN

B&W REACTOR TRANSIENT RESPONSE TASK FORCE (NRR)

NRR

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION:

CONTACT: BOB REID (X27381)

OTHER OFFICE/INDIVIDUAL: NRR/R. S. BAER

PURPOSE AND SCOPE: 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. DIVISION OF SAFETY TECHNOLOGY REVIEW 08/80. ISSUE IMPLEMENTATION REQUIREMENTS TO LICENSEES 12/80.

ACCOMPLISHMENTS: SAME AS CURRENT SCHEDULE.

CURRENT STATUS: THE DIVISION OF LICENSING IS PREPARING AN IMPLEMENTATION PACKAGE FOR TRANSMITTAL TO LICENSEES. THE IMPLEMENTATION IS BEING RECONCILED WITH THE IMPLEMENTATION OF ACTION ITEMS OF NUREG-0660 AND OTHER NRC REQUIREMENTS CURRENTLY BEING IMPLEMENTED FOR OPERATING REACTORS.

THE REVIEW BY DST EXPANDED CERTAIN OF THE RECOMMENDATIONS TO INCLUDE REACTORS OF OTHER VENDORS INCLUDING BWRs.

ISSUES:



II.E.6  
INACTIVE

IN SITU TESTING OF VALVES - TEST ADEQUACY STUDY (NRR)

NRR

REVISED: 10/80

\*\*COMPLETION DATE > FY81 \*PRIORITY -  
(TACS: 42416) RESPONSIBLE BRANCH/DIVISION: EQB/DE CONTACT: JOHN ZUDANS (X27363)  
OTHER OFFICE/INDIVIDUAL: NRR/F. CHERNY

PURPOSE AND SCOPE: PURPOSE OF THIS PROGRAM IS TO ESTABLISH THE ADEQUACY OF CURRENT REQUIREMENTS FOR VALVE TESTING IN PROVIDING ASSURANCE OF VALVE FUNCTIONS. SCOPE WILL BE LIMITED TO SAFETY-RELATED VALVES.  
SCHEDULE: (ORIGINAL) INITIATION DATE IS EXPECTED BEGINNING OF FY-81. COMPLETION IS ANTICIPATED END OF FY-82. (CURRENT) SAME AS ORIGINAL SCHEDULE.

ACCOMPLISHMENTS: NONE

CURRENT STATUS: PROPOSED PLAN IS TO CONTRACT FOR THIS WORK DURING FY 81-82. THE DETAILED SCOPE OF WORK IS PRESENTLY BEING DEFINED.

ISSUES: NONE

II.F.1(3)  
YELLOW

ADDITIONAL ACCIDENT MONITORING INSTRUMENTATION (NRR)

NRR,IE,ADM

REVISED: 11/80

(CONTAINMENT RADIATION MONITOR)

\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RAB/DSI CONTACT: DOUG COLLINS (X27614)  
OTHER OFFICE/INDIVIDUAL: NRR/S. BLOCK, C. HENSON, P. STODDARD, B. MORRIS

PURPOSE AND SCOPE: 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) DOCUMENT DESCRIPTION OF MONITORS 07/81; INSTALL MONITORS 01/82.

ACCOMPLISHMENTS: CATEGORY A SERS, 03/80; CLARIFICATION LETTER 09/80.

CURRENT STATUS: CHANGES OF SCHEDULE PROPOSED TO COMMISSION. CONTRACT TO PERFORM REVIEWS TO BE SENT FOR APPROVAL 10/80.

ISSUES: THERE ARE NO QUALIFIED MONITORS. VENDORS OF MONITORS EXPECT QUALIFICATION BY EARLY NEXT YEAR. VENDOR DELIVERIES THRU 07/81 UNLESS THEY HAVE EQUIPMENT PROCUREMENT PROBLEMS, WHICH WOULD DELAY DELIVERIES.

II.F.1(4) ADDITIONAL ACCIDENT MONITORING INSTRUMENTATION (NRR) NRR,IE,ADM REVISED: 11/80  
GREEN (CONTAINMENT PRESSURE MONITOR)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: DSI CONTACT: JAMES SHAPAKER (X29416)  
OTHER OFFICE/INDIVIDUAL: ICSB/W. MORRIS  
PURPOSE AND SCOPE: TO IMPROVE PLANT CAPABILITY FOR POST-ACCIDENT MONITORING.  
SCHEDULE: (ORIGINAL) IMPLEMENTATION OF REQUIREMENTS BY 01/81 FOR LICENSEES AND NEW OPERATING  
LICENSES, AND BEFORE OL ISSUANCE AFTER 11/81. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: LETTER ISSUED TO LICENSEES AND APPLICANTS 09/05/80 ON PRELIMINARY CLARIFICATION  
OF TMI ACTION PLAN REQUIREMENTS; REGIONAL MEETINGS HELD WEEK OF 09/22/80 TO DISCUSS REQUIREMENTS.  
CURRENT STATUS: BASED ON THE DISCUSSIONS WITH LICENSEES AND APPLICANTS AT THE REGIONAL MEETINGS,  
THE CLARIFICATION OF TMI ACTION PLAN REQUIREMENTS WILL BE FINALIZED BY MID-OCTOBER 1980 AND  
TRANSMITTED TO LICENSEES AND APPLICANTS.  
ISSUES: NONE

II.F.1(5) ADDITIONAL ACCIDENT MONITORING INSTRUMENTATION (NRR) NRR,IE,ADM REVISED: 11/80  
GREEN (CONTAINMENT WATER LEVEL MONITOR)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: DSI CONTACT: J. SHAPAKER (X29416)  
OTHER OFFICE/INDIVIDUAL: ICSB/W. MORRIS  
PURPOSE AND SCOPE: TO IMPROVE PLANT CAPABILITY FOR POST-ACCIDENT MONITORING.  
SCHEDULE: (ORIGINAL) IMPLEMENTATION OF REQUIREMENTS BY 01/81 FOR LICENSEES AND NEW OPERATING  
LICENSES, AND BEFORE OL ISSUANCE AFTER 01/01/81. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: LETTER ISSUED TO LICENSEES AND APPLICANTS 09/05/80 ON PRELIMINARY CLARIFICATION  
OF TMI ACTION PLAN REQUIREMENTS; REGIONAL MEETINGS HELD WEEK OF 09/22/80 TO DISCUSS REQUIREMENTS.  
CURRENT STATUS: BASED ON THE DISCUSSIONS WITH LICENSEES AND APPLICANTS AT THE REGIONAL MEETINGS,  
THE CLARIFICATION OF TMI ACTION PLAN REQUIREMENTS WILL BE FINALIZED BY MID-OCTOBER 1980 AND  
TRANSMITTED TO LICENSEES AND APPLICANTS.  
ISSUES: NONE

II.F.1(6) ADDITIONAL ACCIDENT MONITORING INSTRUMENTATION (NRR) NRR,IE,ADM REVISED: 11/80  
GREEN (CONTAINMENT HYDROGEN MONITOR)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: DSI CONTACT: JAMES SHAPAKER (X29416)  
OTHER OFFICE/INDIVIDUAL: ICSB/W. MORRIS  
PURPOSE AND SCOPE: TO IMPROVE PLANT CAPABILITY FOR POST-ACCIDENT MONITORING.  
SCHEDULE: (ORIGINAL) IMPLEMENTATION OF REQUIREMENTS BY 01/81 FOR LICENSEES AND NEW OPERATING  
LICENSES, AND BEFORE OL ISSUANCE AFTER 01/01/81. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: LETTER ISSUED TO LICENSEES AND APPLICANTS 09/05/80 ON PRELIMINARY CLARIFICATION  
OF TMI ACTION PLAN REQUIREMENTS; REGIONAL MEETINGS HELD WEEK OF 09/22/80 TO DISCUSS REQUIREMENTS.  
CURRENT STATUS: BASED ON THE DISCUSSIONS WITH LICENSEES AND APPLICANTS AT THE REGIONAL MEETINGS,  
THE CLARIFICATION OF TMI ACTION PLAN REQUIREMENTS WILL BE FINALIZED BY MID-OCTOBER 1980 AND  
TRANSMITTED TO LICENSEES AND APPLICANTS.  
ISSUES: NONE

II.F.2 IDENTIFICATION OF AND RECOVERY FROM CONDITIONS LEADING TO INADEQUATE CORE COOLING (NRR) NRR,IE REVISED: 11/80  
 GREEN TO INADEQUATE CORE COOLING (NRR)  
 COMMISSION \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: CPB/DSI CONTACT: LARRY PHILLIPS (X27140)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: TO ASSURE ADEQUACY OF SYSTEMS AND METHODS TO IDENTIFY AND PROVIDE RECOVERY FROM CONDITIONS LEADING TO INADEQUATE CORE COOLING.  
 SCHEDULE: (ORIGINAL) (CURRENT)  
 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 THE TMI ACTION PLAN CLARIFICATION LETTER).  
 ISSUES:  
 COMMISSION ACTION: REVIEW

II.F.3 INSTRUMENTATION FOR MONITORING ACCIDENT CONDITIONS (REG. GUIDE 1.97) (SD) NRR,SD,IE REVISED: 11/80  
 GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: R55B/DES CONTACT: ALAN HINTZE (X35913)  
 OTHER OFFICE/INDIVIDUAL: NRR/J. ROSENTHAL  
 PURPOSE AND SCOPE: 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. ISSUE EFFECTIVE REG GUIDE 1.97 - 12/80.  
 ACCOMPLISHMENTS:  
 CURRENT STATUS: WAS REVIEWED BY ACRS 08/06 & 08/07. WAS REFERRED BACK TO STAFF TO REFORMAT GUIDE AND TO TRY TO OBTAIN MORE COMPLETE INDUSTRY AGREEMENT ON SCOPE AND TECHNICAL APPROACH.  
 ISSUES: OBTAINING INDUSTRY APPROVAL ON SCOPE OF GUIDE. INDUSTRIES CONCEPT ON ACCIDENT MONITORING IS LIMITED TO ACCIDENT DETECTION. REVIEWED BY ACRS 11/5 AND 11/7/80. APPROVED WITH COMMENTS 11/08/80. SHOULD BE ISSUED BY 01/81.

II.F.4 STUDY OF CONTROL AND PROTECTION ACTION DESIGN REQUIREMENTS (NRR) NRR REVISED: 10/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: ICSB/DSI CONTACT: RODNEY SATTERFIELD (X27635)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: TO ADDRESS THREE SPECIFIC RECOMMENDATIONS RELATED TO CONTROL AND PROTECTION OF SYSTEM DESIGNS. RECOMMENDATIONS WERE MADE BY SIG.  
 SCHEDULE: (ORIGINAL) UNSPECIFIED. (CURRENT) INITIATE JAN.1982, COMPLETE JAN.1983  
 ACCOMPLISHMENTS: NONE  
 CURRENT STATUS: NO WORK HAS BEEN INITIATED. PRESENTLY NO MANPOWER IS AVAILABLE TO BEGIN THE  
 ISSUES: NONE IDENTIFIED.

II.F.5 CLASSIFICATION OF INSTRUMENTATION, CONTROL, SD REVISED: 11/80  
YELLOW AND ELECTRICAL EQUIPMENT (SD)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: R55B/DES CONTACT: ERIC WEISS (X35913)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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.  
SCHEDULE: (ORIGINAL) DEVELOP DRAFT STANDARD FOR HRC AND IEEE MANAGEMENT REVIEW - 09/80. ISSUE REG. GUIDE  
FOR PUBLIC COMMENT - EARLY 1981. (CURRENT) REVIEW FIRST DRAFT WHEN RECEIVED - 10/80.  
ACCOMPLISHMENTS: NONE  
CURRENT STATUS: NDEC REVIEW RESULTED IN STANDARD RETURNED TO WORK GROUP FOR IMPROVEMENT NEXT MEETING 1/81.  
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.

II.G.1 POWER SUPPLIES FOR PRESSURIZER RELIEF VALVES, BLOCK NRR,IE REVISED: 11/80  
COMPLETE VALVES, AND LEVEL INDICATIONS (NRR)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: PSB/DSI CONTACT: ROBERT FITZPATRICK (X28350)  
OTHER OFFICE/INDIVIDUAL: IE/M. KIDD; NRR/F. KOSA  
PURPOSE AND SCOPE: 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)  
SAME AS ORIGINAL SCHEDULE AND 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: SAME AS CURRENT SCHEDULES.  
ISSUES: NONE

II.H.1 MAINTAIN SAFETY OF TMI-2 AND MINIMIZE ENVIRONMENTAL IMPACT (NRR) NRR,IE REVISED: 10/80  
YELLOW \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: BERNIE SNYDER (X27347)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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)  
ISSUE A FINAL PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT - 02/81.  
ACCOMPLISHMENTS: ISSUED THE DRAFT PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT ON AUGUST 22, 1980.  
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  
IS SCHEDULED TO END ON NOVEMBER 20, 1980.  
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 HEARINGS NECESSARY.



II.H.2  
YELLOW

OBTAIN TECHNICAL DATA ON THE CONDITTONS INSIDE THE  
TMI-2 CONTAINMENT STRUCTURE (RES)

RES

REVISED: 11/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: ASTR/RES CONTACT: RON FOULDS (X74323)

OTHER OFFICE/INDIVIDUAL: IE/M. KIDD NRR/B. SNYDER

PURPOSE AND SCOPE: 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) SAME AS ORIGINAL.

ACCOMPLISHMENTS: A RADIATION MONITOR WAS REMOVED (08/15/80 FROM CONTAINMENT AND HAS BEEN SENT TO SANDIA FOR EVALUATION.

CURRENT STATUS: DRAFTS OF INITIAL PLANS FOR EACH OF THE SEVEN IDENTIFIED TASK AREAS HAVE BEEN COMPILED FOR REVIEW, FOR APPROVAL BY THE FOUR PARTY TECHNICAL WORKING GROUP, AND FOR IMPLEMENTATION UNDER FUNDING PROVIDED PRIMARILY BY DOE. ARRANGEMENTS ARE BEING MADE TO INVITE INTERNATIONAL PARTICIPATION IN THE INFORMATION GATHERING, THE MECHANICS OF WHICH ARE YET TO BE ESTABLISHED.

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.

II.H.3  
GREEN

EVALUATE AND FEEDBACK INFORMATION OBTAINED FROM TMI (NRR)

NRR

REVISED: 10/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: SAFER CONTACT: BERNIE SNYDER (X27347)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: NRR WILL EVALUATE THE RESEARCH AND ANALYSIS RESULTS FROM TMI CLEANUP PROGRAMS FOR SAFETY SIGNIFICANCE, REVISE REGULATORY PROGRAMS AS APPROPRIATE, ESTABLISH BACKFITTING AND 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 GOALS WILL BE MET AS CLEANUP AND EVALUATION OF TECHNICAL DATA PROCEED BETWEEN 1980 TO 1985.

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), AND (3) ACCOMPLISHED MAN ENTRIES INTO THE TMI-2 REACTOR BUILDING (07/80).

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 IS SCHEDULED TO END ON NOVEMBER 20, 1980.

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.

II.H.4(1)  
GREEN

DETERMINE IMPACT OF TMI ON SOCIOECONOMIC  
AND REAL PROPERTY VALUES (RES)

RES

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3

(TACS: 42426) RESPONSIBLE BRANCH/DIVISION: EER/SAFER CONTACT: CLARR PRICHARD (X74358)

OTHER OFFICE/INDIVIDUAL: NRR/M. KALTMAN

PURPOSE AND SCOPE: 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)  
SAME AS ORIGINAL.

ACCOMPLISHMENTS: CONTRACT SIGNED 04/80. ALL PROPERTIES INSPECTED 06/80. AVAILABLE DATA SCREENED 05/80.  
CONTROL AREA SELECTED 05/80.

CURRENT STATUS: RESEARCH PROGRESS IS ON SCHEDULE. DATA HAS BEEN COLLECTED AND IS BEING ANALYZED.  
TMI CASE STUDY IS UNDERWAY. COMPLETION IS EXPECTED 01/01/81. THE FINAL RESULTS WILL BE PUBLISHED  
AS A NUREG.

ISSUES: NONE

II.H.4(2)  
GREEN

POST-LICENSING STUDIES OF THE SOCIOECONOMIC IMPACTS OF NUCLEAR POWER PLANT SITING  
AND REAL PROPERTY VALUES (RES)

RES

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3

(TACS: 42426) RESPONSIBLE BRANCH/DIVISION: SAB

CONTACT: MICHAEL KALTMAN (X28595)

OTHER OFFICE/INDIVIDUAL: NONE

PURPOSE AND SCOPE: TO DETERMINE THE IMPACT OF THE ACCIDENTS 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)  
SAME AS ORIGINAL.

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 TO DATE (NUREG/CR-1215 - 01/80)

CURRENT STATUS: CURRENT EFFORTS ARE FOCUSED ON INTERVIEWING KEY INFORMANTS IN THE HARRISBURG AREA AND  
ON REPORT PRODUCTION.

ISSUES: NONE

II.J.1.1  
YELLOW

ESTABLISH A PRIORITY SYSTEM FOR CONDUCTING VENDOR INSPECTIONS (IE) IE

REVISED: 10/80

\*\*COMPLETION DATE > FY81 \*PRIORITY -

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RCI/IE CONTACT: WAYNE REINMUTH (X27551)

OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG, J. C. GLYNN; REGION IV/U. POTAPOVS

PURPOSE AND SCOPE: 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) REQUESTS FOR BID ISSUED FOR ENGAGEMENT OF PRIVATE CONTRACTOR - 08/79; CONTRACT  
AWARDED TO GASSER ASSOC. - 06/80. (CURRENT) CONTRACTOR PROVIDE PROPOSED PLAN FOR SYSTEM - 06/81;  
INITIATE TRIAL USE OF PROPOSED PLAN - 06/82.

ACCOMPLISHMENTS: SCOPE OF CONTRACT DRAFTED (04/79) FOR ENGAGEMENT OF PRIVATE CONTRACTOR. REQUESTS FOR  
BIDS ISSUED; BIDS RECEIVED AND EVALUATED (06/79) AND CONTRACT AWARDED.

CURRENT STATUS: CONTRACTOR IN PROCESS OF GATHERING INPUT INFORMATION AND DEVELOPING INITIAL IDEAS FOR  
AN INTEGRATED SYSTEM. SUBMITTAL OF INITIAL PROPOSAL SCHEDULED FOR LATE SEPTEMBER 1980.

ISSUES: ACCELERATING INCREASE IN REACTIVE INPUT INFORMATION COULD CAUSE SIGNIFICANT INCREASE IN SCOPE  
OF CONTRACT ADVERSELY AFFECTING COMPLETION SCHEDULE.

II.J.1.2      MODIFIY EXISTING VENDOR INSPECTION PROGRAM (IE)      IE      REVISED: 10/80  
 YELLOW      \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
 (TACS:      ) RESPONSIBLE BRANCH/DIVISION: RCI/IE      CONTACT: WAYNE REINMUTH (X27551)  
                                  OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG, J. C. GLYNN, A. B. BENNETT; REGION IV/U. POTAPOVS  
 PURPOSE AND SCOPE: CHANGES IN THE CURRENT VENDOR INSPECTION PROGRAM WILL BE MADE TO BETTER REFLECT PRESENT  
 CONDITIONS IN THE NUCLEAR SUPPLY INDUSTRY. GREATER EMPHASIS WILL BE PLACED UPON THE INSPECTION OF  
 DESIGN CONTROL AND TECHNICAL ACTIVITIES AS INDICATED FROM OPERATIONAL AND CONSTRUCTION EXPERIENCE  
 FROM EXISTING FACILITIES.  
 SCHEDULE: (ORIGINAL) MEETING IN REGION IV TO DISCUSS PROGRAM NEEDS 02/80; REVISE MANUAL CHAPTER 2700 -  
 VENDOR INSPECTION PROGRAM; DRAFT EIGHT NEW PROCEDURES FOR TECHNICAL TYPE INSPECTIONS. (CURRENT) REVISE  
 MANUAL CHAPTER 2700, NOW SCHEDULED FOR COMPLETION 10/80; COMPLETION AND ISSUANCE OF EIGHT NEW PROCEDURES  
 04/81.  
 ACCOMPLISHMENTS: NEED AND DIRECTION FOR REVISED PROGRAM IDENTIFIED (02/80).  
 CURRENT STATUS: PROGRAM REVISIONS TO MANUAL CHAPTER 2700 ARE IN PROGRESS. FIVE DRAFT INSPECTION PROCEDURES  
 HAVE BEEN DRAFTED AND TRIAL USE IS IN PROGRESS.  
 ISSUES: STAFF TIME HAS BEEN PREEMPTED BY HIGHER PRIORITY REACTIVE EVENTS WHICH HAS RESULTED IN SCHEDULE  
 DELAYS. FURTHER DELAYS MAY BE INCURRED IF SUCH EVENTS CONTINUE AT THE SAME FREQUENCY.

II.J.1.3      INCREASE REGULATORY CONTROL OVER PRESENT NONLICENSEES (IE)      IE      REVISED: 10/80  
 INACTIVE      \*\*COMPLETION DATE > FY81 \*PRIORITY -  
 COMMISSION(TACS:      ) RESPONSIBLE BRANCH/DIVISION: RCI/IE      CONTACT: WAYNE REINMUTH (X27551)  
                                  OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG  
 PURPOSE AND SCOPE: THIS TASK WILL EXAMINE THE FEASIBILITY OF LICENSING NUCLEAR STEAM SYSTEM SUPPLIERS,  
 ARCHITECT ENGINEERS AND MAJOR CONSTRUCTORS. ALTERNATE METHODS OF EXERCISING CONTROL WILL ALSO BE  
 EXAMINED AND DISCUSSED IN A COMMISSION PAPER.  
 SCHEDULE: (ORIGINAL) INITIATE COMMISSION PAPER 11/82. (CURRENT) COMPLETE COMMISSION PAPER 11/82.  
 ACCOMPLISHMENTS: N/A  
 CURRENT STATUS: N/A  
 ISSUES: REVISIONS TO PART 21 ALLOWING ENHANCED ENFORCEMENT MAY RESULT IN MORE EFFECTIVE CONTROL OVER  
 ACTIVITIES OF THE SUBJECT NON-LICENSEES WHICH MAY NEGATE NEED OR DESIRABILITY OF DIRECT LICENSING.  
 COMPLETION OF REVISIONS TO PART 21 ARE ANTICIPATED IN LATE 1981.  
 COMMISSION ACTION: REVIEW

II.J.1.4      ASSIGN RESIDENT INSPECTORS TO REACTOR VENDORS      IE      REVISED: 10/80  
 INACTIVE      AND ARCHITECT-ENGINEERS (IE)  
 \*\*COMPLETION DATE > FY81 \*PRIORITY -  
 (TACS:      ) RESPONSIBLE BRANCH/DIVISION: RCI/IE      CONTACT: WAYNE REINMUTH (X27551)  
                                  OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG; REGION IV/U. POTAPOVS  
 PURPOSE AND SCOPE: RESIDENT INSPECTORS WILL BE ASSIGNED TO THE CENTRAL OFFICES OF ONE NUCLEAR STEAM  
 SUPPLIER AND ONE ARCHITECT ENGINEER ON A TRIAL BASIS TO DETERMINE IF MORE EFFECTIVE INSPECTION  
 CAN BE ACCOMPLISHED BY THIS METHOD.  
 SCHEDULE: (ORIGINAL) RESOURCES REQUESTED IN FY 82 BUDGET; RECRUIT PERSONNEL IF APPROVED IN BUDGET  
 PROCESS 12/81; ASSIGN PERSONNEL TO SPECIFIC VENDORS 02/82. (CURRENT) N/A  
 ACCOMPLISHMENTS:  
 CURRENT STATUS:  
 ISSUES: DECISION TO PROCEED IS CONTINGENT UPON APPROVAL OF BUDGET REQUEST.



- II.J.2.1 GREEN REORIENT CONSTRUCTION INSPECTION PROGRAM (IE) IE REVISED: 10/80  
 \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: RCI/IE CONTACT: WAYNE REINMUTH (X27551)  
 OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG, R. A. ROHRBACHER  
 PURPOSE AND SCOPE: CHANGES WILL BE MADE IN THE REACTOR CONSTRUCTION INSPECTION PROGRAM ON A CONTINUING BASIS TO OBTAIN OPTIMUM UTILIZATION OF AVAILABLE RESOURCES.  
 SCHEDULE: (ORIGINAL) MODIFY AND ORIGINATE INSPECTION PROCEDURES FOR EARLIER INSPECTION OF QA/QC AT CONSTRUCTION SITES 08/80. (CURRENT) SCOPE MASTER PLAN FOR POSSIBLE FUTURE CHANGES IN PROGRAM 12/80; INITIATE CHANGES AS APPROPRIATE 06/83.  
 ACCOMPLISHMENTS: APPROPRIATE PROCEDURES HAVE BEEN INCORPORATED IN THE CURRENT PROGRAM TO ASSURE EARLIER AND PERIODIC INSPECTION OF LICENSEE AND LICENSEE CONTRACTOR QA ACTIVITIES.  
 CURRENT STATUS:  
 ISSUES: INTRODUCTION OF MAJOR CHANGES AND CONCEPTS IN INSPECTION PROGRAM REQUIRES SUBSTANTIAL INVESTMENT IN RESOURCES AND RE-TRAINING. UNLESS NEW REACTOR STARTS OCCUR, COST-BUDGET ADVANTAGES APPEAR MARGINAL.
- II.J.2.2 YELLOW INCREASE EMPHASIS ON INDEPENDENT MEASUREMENT IN THE CONSTRUCTION INSPECTION PROGRAM (IE) IE REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: RCI/IE CONTACT: WAYNE REINMUTH (X27551)  
 OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG, W. LAUDAN, W. R. RUTHERFORD; REGION I/R. CARLSON  
 PURPOSE AND SCOPE: INDEPENDENT MEASUREMENTS OF SELECTED EQUIPMENT AND ACTIVITIES AT CONSTRUCTION SITES ARE NEEDED TO PROVIDE GREATER ASSURANCE THAT PLANTS ARE PROPERLY CONSTRUCTED. BOTH DESTRUCTIVE AND NONDESTRUCTIVE TESTING OF A VARIETY OF EQUIPMENT IS BEING PERFORMED UNDER SEVERAL PLANNED PROGRAMS ON AN ON-GOING BASIS.  
 SCHEDULE: (ORIGINAL) HIRE INDEPENDENT TEST CONTRACTOR FOR DESTRUCTIVE TESTING 08/79; PROCURE MOBILE VAN FOR CONDUCTING NON-DESTRUCTIVE TESTS BY NRC PERSONNEL 09/80; PREPARE PROGRAM INSPECTION PROCEDURES TO COVER INDEPENDENT TESTING 08/80; DEVISE NEW PROGRAM FOR VERIFYING ENVIRONMENTAL QUAL. FO EQUIPMENT 08/82. (CURRENT) CONDUCT TRIAL PROGRAM WITH VAN EQUIPMENT 09/81.  
 ACCOMPLISHMENTS: CONTRACTOR FOR DESTRUCTIVE TESTS HAS BEEN HIRED AND IS PERFORMING TESTS ON ON-GOING BASIS. MOBILE VAN HAS BEEN DELIVERED. COMMISSION HAS APPROVED PROGRAM FOR VERIFICATION TESTING OF ENVIRONMENTAL QUALIFIED EQUIPMENT.  
 CURRENT STATUS: (1) TEST PROGRAM UTILIZING MOBILE NDE VAN WILL BE INITIATED IN 10/80. (2) TESTING OF EQUIPMENT AND ADMINISTRATIVE ACTIVITIES CALLED FOR BY THE PROGRAM FOR VERIFICATION TESTING OF ENVIRONMENTAL QUALIFIED EQUIPMENT IS PROCEEDING ACCORDING TO THE PLAN OUTLINED IN COMMISSION PAPER SECY 80-319.  
 ISSUES: SHORTAGE OF RESOURCES WILL PROBABLY DELAY FULL AND ON-TIME ACCOMPLISHMENT OF ALL PLANNED ACTIVITIES IN THESE SEVERAL AREAS.
- II.J.2.3 YELLOW ASSIGN RESIDENT INSPECTORS TO ALL CONSTRUCTION SITES (IE) IE REVISED: 10/80  
 \*\*COMPLETION DATE > FY81 \*PRIORITY -  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: RCI/IE CONTACT: WAYNE REINMUTH (X27551)  
 OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG, L. COBB  
 PURPOSE AND SCOPE: RESIDENT INSPECTORS ARE NEEDED TO PROVIDE A MINIMUM LEVEL OF INSPECTION COVERAGE OF ALL SAFETY IMPORTANT ACTIVITIES. SINCE THE SAME ACTIVITIES OCCUR AT ALL SITES RESIDENT INSPECTORS ARE NEEDED AND WILL BE PLACED AT ALL ACTIVE CONSTRUCTION SITES AS RESOURCES BECOME AVAILABLE.  
 SCHEDULE: (ORIGINAL) FIRST CONSTRUCTION RESIDENT INSPECTOR ASSIGNED. (CURRENT) ADDITIONAL MANPOWER FOR CONSTRUCTION RESIDENT INSPECTORS REQUESTED IN FY 82 BUDGET.  
 ACCOMPLISHMENTS:  
 CURRENT STATUS: 20 CONSTRUCTION RESIDENT INSPECTORS WILL BE ON-SITE BY 09/80. 24 CONSTRUCTION RESIDENT INSPECTORS ARE SCHEDULED TO BE ON-SITE BY 09/81. 32 CONSTRUCTION RESIDENT INSPECTORS ARE SCHEDULED TO BE ON-SITE BY 09/82. NOTE: BY LATE 1982 APPROXIMATELY 37 REACTOR SITES ARE EXPECTED TO BE IN AN ACTIVE STATUS. (1980 PROJECTIONS)  
 ISSUES: ACCOMPLISHMENT OF OBJECTIVE CONTINGENT UPON APPROVAL OF ADDITIONAL RESOURCES.



II.J.3.1 ORGANIZATION AND STAFFING TO OVERSEE DESIGN AND CONSTRUCTION (NRR) NRR REVISED: 11/80  
 GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: 42061) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS CONTACT: JAMES SNELL (X28986)  
 OTHER OFFICE/INDIVIDUAL: IE/W. REINMUTH, SD/H. ASHAR  
 PURPOSE AND SCOPE: DEVELOP CRITERIA TO IMPROVE LICENSE APPLICANTS' OVERSIGHT OF DESIGN, CONSTRUCTION  
 AND MODIFICATION ACTIVITIES.  
 SCHEDULE: (ORIGINAL) CRITERIA - FOLLOW SCHEDULE I.B.1.1, PARTS (1)-(5). SD TO ISSUE RES. GUIDE  
 FOR COMMENT BY 03/81 AND FINAL BY 08/81. (CURRENT) PROVIDE SD WITH DRAFT MATERIAL 12/80.  
 ACCOMPLISHMENTS: NRR INHOUSE DRAFT CIRCULATING.  
 CURRENT STATUS: INHOUSE NRR DRAFT BEING REVIEWED AND COMMENTED ON.  
 ISSUES: WILL NEED NEW SECTION ON CONTRACTOR AND A/E RESPONSIBILITIES DURING CONSTRUCTION.

II.J.3.2 MANAGEMENT FOR DESIGN AND CONSTRUCTION - ISSUE REG. GUIDE (SD) SD,ADM REVISED: 10/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
 (SEE (TACS: 42061) RESPONSIBLE BRANCH/DIVISION: SCSB CONTACT: HANK ASHAR (X35997)  
 I.B.1.1) OTHER OFFICE/INDIVIDUAL: NRR/J. SNELL  
 PURPOSE AND SCOPE: DEVELOP CRITERIA TO IMPROVE LICENSE APPLICANTS' OVERSIGHT OF DESIGN, CONSTRUCTION  
 AND MODIFICATION ACTIVITIES.  
 SCHEDULE: (ORIGINAL) CRITERIA - FOLLOW SCHEDULE I.B.1.1, PARTS (1)-(5). SD TO ISSUE REG. GUIDE FOR  
 COMMENT BY 03/81 AND FINAL BY 08/81. (CURRENT) PROVIDE SD WITH DRAFT MATERIAL 10/80.  
 ACCOMPLISHMENTS: WORKING ON I.B.1.1 FIRST. NO SPECIFIC ACCOMPLISHMENTS FOR THIS TASK.  
 CURRENT STATUS: CONSIDERING HOW TO EXPAND I.B.1.1 TO INCLUDE CRITERIA FOR DESIGN AND CONSTRUCTION ACTIVITIES.  
 ISSUES: NEED TO COMPLETE ACCEPTABLE DRAFT OF I.B.1.1 WHICH II.J.3.2 IS DEPENDENT ON.

II.J.4.1 REVISE DEFICIENCY REPORTING REQUIREMENTS (IE) IE,SD REVISED: 10/80  
 GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: RCI/IE CONTACT: WAYNE REINMUTH (X27551)  
 OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG; NRR/J. M. TAYLOR, E. WENZINGER, W. CAMPBELL  
 PURPOSE AND SCOPE: DEFICIENCY REPORTING REQUIREMENTS WILL BE CLARIFIED AND BROADENED BY APPROPRIATE RULE  
 CHANGES TO ASSURE THE REPORTING AND CORRECTION OF SIGNIFICANT DEFICIENCIES AND/OR DEFECTS IN PROGRAMS  
 AND EQUIPMENT.  
 SCHEDULE: (ORIGINAL) IE SUBMIT RECOMMENDED 50.55(E) CHANGES TO SD 04/80; SD ISSUE FOR COMMENT, 50.55(E) RULE  
 CHANGES 04/81; IE SUBMIT RECOMMENDED PART 21 CHANGES TO SD 10/80. (CURRENT)  
 ACCOMPLISHMENTS:  
 CURRENT STATUS: IE AND SD ARE CURRENTLY WORKING TOGETHER ON SPECIFIC CHANGES AND THE LANGUAGE FOR A  
 REVISED 50.55(E) RULE. RECOMMENDATION FOR PART 21 RULE CHANGES HAVE BEEN PREPARED BY IE AND ARE  
 BEING CIRCULATED WITHIN IE FOR COMMENT.  
 ISSUES: CHANGES TO PART 21 MAY REQUIRE CHANGES IN THE AUTHORIZING LEGISLATION (SECTION 206, AUTHORIZATION  
 ACT OF 1974).

II.K.1  
YELLOW

MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF  
FEEDWATER ACCIDENTS - IE BULLETINS (NRR)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ORB/DSI

NRR

REVISED: 11/80

CONTACT: BOB REID (X27381)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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: COMPLETION OF REVIEW OF RESPONSES TO BULLETINS HAS BEEN DELAYED BY HIGH PRIORITY  
EFFORTS.

ISSUES:

II.K.2  
YELLOW

COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:

NRR,IE

REVISED: 11/80

CONTACT: BOB REID (X27381)

OTHER OFFICE/INDIVIDUAL:

(SEE  
CURRENT  
STATUS)

PURPOSE AND SCOPE: 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.

ACCOMPLISHMENTS:

CURRENT STATUS: 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 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 OTSG; 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: 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.

II.K.3

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:

NRR

REVISED: 11/80

CONTACT: BOB REID (X27381)

PURPOSE AND SCOPE: TO DEVELOP RECOMMENDATIONS FOR IMPROVING SAFETY BASED ON REVIEWS OF LOSS-OF-FEEDWATER  
AND SMALL-BREAK LOSS OF COOLANT EVENTS ON PWRs.  
(CURRENT)

SCHEDULE: (ORIGINAL)

ACCOMPLISHMENTS:

CURRENT STATUS: THIS ACTION PLAN HAS BEEN SUBDIVIDED INTO 57 SEPARATE ACTIONS. STATUS OF  
EACH OF THESE VARIES. ADMINISTRATIVE WORK TO TRACK EACH OF THESE IS IN PROGRESS.

ISSUES:

II.K.3(14)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(ISOLATION CONDENSERS ON HIGH RADIATION)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CSB/DSI  
OTHER OFFICE/INDIVIDUAL:

NRR

REVISED: 11/80

CONTACT: MEL FIELDS (X29417)

PURPOSE AND SCOPE: 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) SAME AS ORIGINAL.

ACCOMPLISHMENTS: NONE

CURRENT STATUS: AWAITING CONFIRMATION FROM THOSE OPERATING BWRs THAT POSSESS ISOLATION  
CONDENSERS THAT THE REQUIRED DESIGN MODIFICATIONS HAVE BEEN COMPLETED.

ISSUES: NONE

- III.A.1.1  
GREEN
- UPGRADE EMERGENCY PREPAREDNESS (NRR) NRR,IE,SP,ADM REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: 42427) RESPONSIBLE BRANCH/DIVISION: EPLB, EPPD CONTACT: FRANK PAGANO (X27846)  
OTHER OFFICE/INDIVIDUAL: IE/J. WIGGINTON  
PURPOSE AND SCOPE: OBTAIN PROMPT UPGRADING OF EMERGENCY PREPAREDNESS AT AND AROUND ALL NUCLEAR POWER PLANTS.  
INSURE LICENSEE, STATE AND LOCAL EMERGENCY PLANS ARE INTEGRATED FOR OVERALL SITE EMERGENCY PREPAREDNESS.  
SCHEDULE: (ORIGINAL) SITE REVIEW PROGRAM FOR ALL OPERATING PLANTS AND NTOLS BEGAN SEPTEMBER 1979 AND WAS COMPLETED  
BY JULY 1980. (CURRENT) NEW LICENSEE EMERGENCY PLANS AS A RESULT OF THE SITE VISIT SCHEDULE ARE CURRENTLY BEING  
REVIEWED FOR ACCEPTABILITY. INTERIM EVALUATION REPORTS TO BE COMPLETED ON ALL OPERATING PLANTS BY APRIL 1981.  
ACCOMPLISHMENTS: NUREG-0654 PUBLISHED JANUARY 1980. FEMA/NRC MOU PUBLISHED JANUARY 1980. NUREG-0696  
PUBLISHED JULY 1980.  
CURRENT STATUS: SAFETY EVALUATION REPORTS (SER) WERE ISSUED ON 8 LOW POWER LICENSEES AND 2 FULL POWER  
LICENSEES. APPROXIMATELY 10-12 PLANTS WERE INSTRUCTED TO BEGIN IMPLEMENTATIONS OF NEW UPGRADED  
EMERGENCY PLAN.  
ISSUES:
- III.A.1.2  
GREEN
- UPGRADE LICENSEE EMERGENCY SUPPORT FACILITIES (NRR) NRR,SD,SP REVISED: 10/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: 41047) RESPONSIBLE BRANCH/DIVISION: EPDR, EPPD CONTACT: STEVE RAMOS (X27435)  
OTHER OFFICE/INDIVIDUAL: NRR/FRANK G. PAGANO, W. MINNERS, L. BELTRACCHI; OIE/B. WEISS  
RES/O. BASSETT  
PURPOSE AND SCOPE: EMERGENCY OPERATIONS WILL BE IMPROVED BY THE ESTABLISHMENT OF DEDICATED AREAS FOR COMMAND  
AND CONTROL, SUPPORT, AND COORDINATION OF ONSITE AND OFFSITE FUNCTIONS DURING REACTOR ACCIDENT SITUATIONS.  
SCHEDULE: (ORIGINAL) INITIATION SEPTEMBER 13, OCT. 30, AND APRIL 25, 1980-ESTABLISHED REQUIREMENTS 1/1/80 BASIC  
TSC/EOF IN PLACE 1/1/81 FULL TSC/EOF. SRP REVISED 12/80. (CURRENT) INITIATION 9/13/79. BASIC INSTALLATION  
1/1/80. SUBMIT DESIGN FOR APPROVAL 1/1/81. SPDS OPERATIONAL 1/1/82. ALL SUPPORT FACILITIES OPERATIONAL 4/1/82.  
ACCOMPLISHMENTS: NUREG-0696 "CRITERIA FOR EMERGENCY RESPONSE FACILITIES" PUBLISHED 7/80.  
CURRENT STATUS: NUREG-0696 OUT FOR COMMENTS. WILL BE FINALIZED OUT 1980. ALL FACILITIES REQUIRED TO HAVE  
IN PLACE RUDIMENTARY TSC/EOFS.  
ISSUES:
- III.A.1.3  
GREEN
- MAINTAIN SUPPLIES OF THYROID BLOCKING AGENT (KI) (NRR) NRR REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
COMMISSION(TACS: 42428) RESPONSIBLE BRANCH/DIVISION: EPPD CONTACT: BRIAN GRIMES (X27415)  
OTHER OFFICE/INDIVIDUAL: NRR/FRANK G. PAGANO, S. RAMOS; RES/R. BLOND  
PURPOSE AND SCOPE: 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 REQUIREMENTS TO BE  
ISSUED.  
ACCOMPLISHMENTS: COMMISSION PAPER - SECY 80-257 FOR MAY 20, 1980.  
CURRENT STATUS: COMMISSION REQUESTED RESUBMITTAL OF SECY 80-257 TO INCLUDE COMMENTS OF THE ENDOCRINE  
SOCIETY. SECY 80-257A CURRENTLY AT OELD FOR CONCURRENCE.  
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



III.A.2.1 AMEND 10 CFR 50 AND APPENDIX E (TO PART 50) (SD) SD,SP REVISED: 10/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
COMMISSION(TACS: 42429) RESPONSIBLE BRANCH/DIVISION: EPLB, EPPO CONTACT: FRANK PAGANO (X27846)  
OTHER OFFICE/INDIVIDUAL: NRR/STEVE RAMOS  
PURPOSE AND SCOPE: NEW RULE AND CRITERIA WILL REQUIRE 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 75 DAYS AFTER PUBLICATION WITHIN 60 DAYS AFTER EFFECTIVE DATE OF THIS AMENDMENT,  
EACH NUCLEAR POWER REACTOR LICENSEE SHALL SUBMIT TO NRC PLANS FOR COPING WITH EMERGENCIES THAT MEET STANDARDS  
IN SECTION 50.47 (B) AND THE REQUIREMENTS OF APPENDIX E, 10 CFR PART 50.  
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.  
COMMISSION ACTION: REVIEW AND APPROVE

III.A.2.2 DEVELOPMENT OF GUIDANCE AND CRITERIA (NRR) NRR REVISED: 10/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: 42430) RESPONSIBLE BRANCH/DIVISION: EPLB, EPPO CONTACT: FRANK PAGANO (X27846)  
OTHER OFFICE/INDIVIDUAL: NRR/STEVE RAMOS  
PURPOSE AND SCOPE: NRC STAFF DEVELOPING GUIDANCE AND CRITERIA NEEDED FOR EXTENSIVE IMPROVEMENTS IN EMERGENCY  
PREPAREDNESS AT NUCLEAR POWER PLANTS.  
SCHEDULE: (ORIGINAL) ORIGINAL SCHEDULE WAS MET. (CURRENT) NUREG DOCUMENTS IN ACCOMPLISHMENTS ARE INTERIM AND WILL  
BE REPUBLISHED IN EARLY 1981.  
ACCOMPLISHMENTS: NUREG-0654 PUBLISHED JANUARY 1980. NUREG-0610 PUBLISHED SEPTEMBER 1979. NUREG-0696  
PUBLISHED JULY 1980.  
CURRENT STATUS: THESE NUREGS HAVE THREE DIFFERENT FUNCTIONS. NUREG-0610 FURNISHES EMERGENCY ACTION LEVEL  
GUIDELINES. NUREG-0654 PURPOSE IS TO PROVIDE COMMON REFERENCE AND INTERIM GUIDANCE IN THE DEVELOPMENT  
AND REVIEW OF STATE AND LOCAL GOVERNMENT AND LICENSEE EMERGENCY PLANS. NUREG-0696 PROVIDES THE FUNCTIONAL  
CRITERIA FOR EMERGENCY RESPONSE FACILITIES.  
ISSUES:

III.A.3.1  
GREEN

EMERGENCY PREPAREDNESS - NRC ROLE IN RESPONDING TO  
NUCLEAR EMERGENCIES (EDO)

IE,SD,SP,ADM

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:

CONTACT: KEN PERKINS (X28297)

PURPOSE AND SCOPE: TO REVISE ORGANIZATIONAL ARRANGEMENTS AND FUNCTIONS FOR NRC EMERGENCY  
RESPONSE OPERATIONS AND TO REVISE AND UPGRADE AGENCY EMERGENCY PLANS AND PROCEDURES  
ACCORDINGLY.

SCHEDULE: (ORIGINAL) (CURRENT)

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. UPDATE FOR OTHER  
AGENCY PROCEDURES IS BEING ADDRESSED BY FEMA IN THE "NATIONAL RADIOLOGICAL EMERGENCY  
PREPAREDNESS PLAN" DRAFT DATED 09/30/80. REVISION TO NUREG-0610 WILL APPEAR AS APPENDIX I  
TO NUREG-0654 IN 11/80. REVISIONS TO IMPLEMENTING PROCEDURES AND INSTRUCTIONS TO REGIONAL  
OFFICES ARE ADDRESSED IN SECY 80-371.

ISSUES:

III.A.3.2  
YELLOW

EMERGENCY PREPAREDNESS - IMPROVE OPERATION CENTERS (IE)

IE,ADM

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: 42431) RESPONSIBLE BRANCH/DIVISION: X00S/IE CONTACT: BERNIE WEISS (X29575)  
OTHER OFFICE/INDIVIDUAL: IE/J. HIMES, L. BELL, D. ROSANO, E. WEINSTEIN, K. JACKSON

PURPOSE AND SCOPE: UPGRADE THE NRC CAPABILITY FOR SUPPORTING/DECISION-MAKING DURING NUCLEAR INCIDENTS.

SCHEDULE: (ORIGINAL) IMPROVE PHYSICAL SPACE, ARRANGEMENT & EQUIPMENT FOR OPS CENTER 06/80; FINAL OPERATIONS  
CENTER MODIFICATIONS (UNDETERMINED); REGIONAL OPERATIONS CENTER MODIFICATIONS 01/81. (CURRENT)  
IMPROVE OPS CENTER (ONGOING); FINAL OPS CENTER MODIFICATIONS (UNDETERMINED); REGIONAL OPS CENTER  
MODIFICATIONS 06/81.

ACCOMPLISHMENTS: IMPROVED OPERATIONS CENTER PROCEDURES; TWO DIRECT AND DEDICATED TELEPHONE SYSTEMS;  
PHYSICAL UPGRADING OF OPERATIONS CENTER; TRAINING OF RESPONSE TEAMS; EXERCISES AND DRILLS.

CURRENT STATUS: WORK IN ONGOING IN IMPROVING FACILITIES, PROCEDURES AND EQUIPMENT. WILL BE CONTINUOUS.

ISSUES: MAJOR PROBLEM RELATES TO THE UNCERTAINTY OF THE LOCATION OF THE OPERATIONS CENTER FOR FURTHER  
PLANNING.

III.A.3.3  
YELLOW

EMERGENCY PREPAREDNESS - COMMUNICATIONS (IE)

IE,ADM,NRR

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: 42432) RESPONSIBLE BRANCH/DIVISION: X00S/IE CONTACT: BERNIE WEISS (X29575)

OTHER OFFICE/INDIVIDUAL: IE/L. BELL, R. ROSANO; ADM/V. KERR

PURPOSE AND SCOPE: PROVIDE DEDICATED AND RELIABLE COMMUNICATIONS FOR USE DURING NUCLEAR EMERGENCIES.

SCHEDULE: (ORIGINAL) INSTALLATION OF ENS/HPN TELEPHONE SYSTEMS 06/79 03/80; COMMUNICATION SUPPORT FROM

OTHER AGENCIES; COMMUNICATIONS STUDY 08/80. (CURRENT) INSTALLATION OF ENS/HPN TELEPHONE SYSTEMS 06/79

08/80; COMMUNICATION SUPPORT FROM OTHER AGENCIES (ONGOING); COMMUNICATIONS REPORT TO CONGRESS 09/80.

ACCOMPLISHMENTS: REPORT TO CONGRESS NUREG-0729 - 09/80.

CURRENT STATUS: WORK TO IMPROVE COMMUNICATIONS IS ONGOING. BASED ON REPORT TO CONGRESS (NUREG-0729) FURTHER ACTIONS WILL BE TAKEN TO IMPROVE PRIMARY, BACKUP AND SUPPLEMENTARY COMMUNICATIONS. SIGNIFICANT IMPROVEMENTS HAVE BEEN MADE SINCE TMI-2, BUT ADDITIONAL UPGRADING NEEDED FOR VOICE, GRAPHIC, DATA, WRITTEN AND FACE-TO-FACE COMMUNICATIONS.

ISSUES: DEVELOPING PRIORITIES FOR EXTENSIVE COMMUNICATIONS NEEDS PLUS ACQUIRING THE NECESSARY FUNDING. IN ADDITION, THE NUCLEAR DATA LINK CONCEPT NEEDS FURTHER DEFINITION.

III.A.3.4  
GREEN

EMERGENCY PREPAREDNESS - NUCLEAR DATA LINK (IE)

IE,RES,ADM

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3

COMMISSION(TACS: 42148) RESPONSIBLE BRANCH/DIVISION: X00S/IE CONTACT: BERNIE WEISS (X29575)

OTHER OFFICE/INDIVIDUAL: RES/O. PASSETT; NRR/W. MINNERS; IE/M. HOWARD

PURPOSE AND SCOPE: PROVIDE NRC THE CAPABILITY TO REMOTELY ACCESS FACILITY DATA AND DISPLAY THAT DATA AT THE NRC OPERATIONS CENTER.

SCHEDULE: (ORIGINAL) SANDIA REPORT COMPLETED; COMMISSION BRIEFING. (CURRENT)

ACCOMPLISHMENTS: COMMISSION PAPER SECY 80-326 ON ND L PRESENTED TO COMMISSION. REPORT TO CONGRESS (NUREG-0730) - 09/80.

CURRENT STATUS: SYSTEM DEFINITION NEEDS FURTHER REFINEMENT. SPECIFICATIONS ARE BEING DEVELOPED TO OPEN CONTRACTOR SELECTION TO COMPETITIVE PROCESS. INTEGRATION OF ND L WITH OTHER LICENSEE EMERGENCY FACILITIES DEFINED IN NUREG-0696. IMPLEMENTATION PLAN BEING DEVELOPED.

ISSUES: COMMISSION APPROVAL OF A FINAL NRC CONCEPT REQUIRED SELECTION OF SYSTEM INTEGRATOR AND SUB-CONTRACTOR(S) NEEDED. LONG TERM FUNDING A NECESSITY.

COMMISSION ACTION: REVIEW

III.A.3.5  
 YELLOW

EMERGENCY PREPAREDNESS - TRAINING, DRILLS, AND TESTS (IE) IE REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: X00S/IE CONTACT: BERNIE WEISS (X29575)  
 OTHER OFFICE/INDIVIDUAL: IE/L. BELL, J. HIMES, D. ROSANO  
 PURPOSE AND SCOPE: HEADQUARTERS AND REGIONAL DRILLS AND EXERCISES ARE NECESSARY TO TEST THE SYSTEM,  
 USE THE NEWSLY DEVELOPED PROCEDURES, BETTER DEFINE INTERFACES AND TRAIN INCIDENT RESPONSE PARTICIPANTS.  
 SCHEDULE: (ORIGINAL) ONGOING. (CURRENT) SAME AS ORIGINAL.  
 ACCOMPLISHMENTS: THREE MAJOR DRILLS HAVE BEEN CONDUCTED, IN ADDITION TO ACTIVATING THE OPS CENTER THREE  
 TIMES AND SEVERAL INSTANCES OF MAINTAINING CENTER ON STANDBY.  
 CURRENT STATUS: ONGOING. WILL CONDUCT MAJOR DRILL APPROXIMATELY ONCE EVERY TWO MONTHS AND PARTIAL DRILLS  
 AT LEAST EVERY FOUR WEEKS.  
 ISSUES: SCHEDULING FREQUENT DRILLS DUE TO RESOURCE LIMITATIONS.

III.A.3.6  
 GREEN

EMERGENCY PREPAREDNESS - NRC AND OTHER AGENCIES (EDO) IP,IE,SP,ADM REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: KEN PERKINS (X28297)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: ASSURE COORDINATION WITH FEDERAL AGENCIES IN EMERGENCY PREPAREDNESS AND RESPONSE ACTIVITIES.  
 SCHEDULE: (ORIGINAL) (CURRENT)  
 ACCOMPLISHMENTS:  
 CURRENT STATUS: (A) NRC'S AGENCY RESPONSE PLANT WAS SENT TO COMMISSION IN 09/80. EXPECT COMMISSION TO  
 FORWARD TO CONGRESS IN 10/80. (B) FEMA HAS PREPARED THE NATIONAL RADIOLOGICAL EMERGENCY RESPONSE  
 PLAN FOR FEDERAL AGENCIES. EXPECT FEMA TO FORWARD TO CONGRESS IN 10/80. (C) FEMA IS PREPARING  
 FEDERAL AGENCY ASSIGNMENTS FOR PLANS AND PREPAREDNESS. EXPECT DRAFT IN OCTOBER, 1980.  
 ISSUES:

III.B.1  
 GREEN

TRANSFER OF EMERGENCY PREPAREDNESS RESPONSIBILITIES TO FEMA (EDO) SP,NRR REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: KEN PERKINS (X28297)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: 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) (CURRENT)  
 ACCOMPLISHMENTS:  
 CURRENT STATUS: NRC IDENTIFIED THE FUNCTIONS AND RESOURCES ASSOCIATED LEAD RESPONSIBILITY FOR STATE  
 AND LOCAL GOVERNMENTS' EMERGENCY PREPAREDNESS. NRC PREPARED AND SUBMITTED TO OMB A DRAFT DETERMINATION  
 ORDER THAT WOULD TRANSFER THESE FUNCTIONS AND RESOURCES TO FEMA. OMB HAS NOT YET ACTED ON THE  
 DETERMINATION ORDER.  
 ISSUES:



III.B.2  
GREEN

IMPLEMENTATION OF NRC'S AND FEMA'S RESPONSIBILITIES (EDO) IE,SP,NRR REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: 42433) RESPONSIBLE BRANCH/DIVISION: EDO CONTACT: KEN PERKINS (X28297)  
OTHER OFFICE/INDIVIDUAL: IE/J. SNIJEZEK, EPLB/EPPO/FRANK PAGANO

PURPOSE AND SCOPE: 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. (CURRENT) 8 STATES WERE TO SUBMIT PLANS FOR REVIEW BY FEMA BY MID-SUMMER, WITH THE BALANCE TO BE RECEIVED BY SPRING OF 1981. SOME DELAYS WERE ANTICIPATED BY FEMA BECAUSE OF ADDITIONAL TIME NECESSARY TO HOLD PUBLIC MEETINGS AND THE REQUIRED REVIEW FOR APPROVAL OF PLANS.

ACCOMPLISHMENTS: FEDERAL REVIEW OF EMERGENCY PLANS OF STATES AFFECTED BY OPERATING NUCLEAR POWER PLANTS SUGGESTS SIGNIFICANT PROGRESS IS BEING MADE TO IMPROVE RADIOLOGICAL EMERGENCY PLANS AND PREPAREDNESS SINCE THE PUBLICATION OF NUREG-0654 IN JANUARY 1980.

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:

III.C.1  
YELLOW

PUBLIC INFORMATION - PROVIDE TO NEWS MEDIA AND PUBLIC (OPA) OPA,IE REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: OPA CONTACT: FRANK INGRAM (X27715)  
OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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; RECOMMEND DOE PUBLISH ADDITIONAL INFORMATION (OPEN); PILOT PROGRAM - SEMINARS FOR NEWS MEDIA 06/80

ACCOMPLISHMENTS: REVIEW OF PUBLICLY AVAILABLE DOCUMENTS COMPLETE 06/80.

CURRENT STATUS: DOE INITIATING DEVELOPMENT OF NEW LITERATURE; NRC RECOMMENDATION MAY NOT BE NECESSARY. SEMINARS NOT GIVEN OUTSIDE NRC.

ISSUES: QUESTION OF PROPRIETY OF NRC SPONSORING SEMINARS HAS TO BE RESOLVED.

III.C.2  
GREEN

PUBLIC INFORMATION - PROVIDE TRAINING (OPA) OPA REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: OPA CONTACT: FRANK INGRAM (X27715)  
OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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

III.D.1.1 PRIMARY COOLANT SOURCES OUTSIDE THE CONTAINMENT STRUCTURE (NRR) NRR REVISED: 11/80  
 GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI CONTACT: VAL MALAFEEW/DICK BANGART (X28639)  
 OTHER OFFICE/INDIVIDUAL: NRR/V. MALAFEEW, W. GAMMILL, D. COLLINS  
 PURPOSE AND SCOPE: DEVELOP CRITERIA FOR USE IN LONG-TERM DEGRADED CORE RULEMAKING CONCERNING LEAKAGE  
 FROM SYSTEMS OUTSIDE CONTAINMENT THAT MAY CONTAIN HIGHLY RADIOACTIVE FLUIDS AFTER AN ACCIDENT  
 AND DESIGN FEATURES THAT WILL MINIMIZE LEAKAGE AND SERVICES OF RADIATION.  
 SCHEDULE: (ORIGINAL) NUREG-0660 PUBLISHED 09/80. (CURRENT) ISSUE CONTRACT 01/82.  
 ACCOMPLISHMENTS: LEAK RATE TESTING RESULTS OR TESTING COMMITMENTS TO SATISFY LESSONS LEARNED  
 SHORT-TERM RECOMMENDATION 2.1.6.A COMPLETED 01/01/80.  
 CURRENT STATUS: POTENTIAL NATIONAL LABORATORY CONTRACTORS ARE BEING EVALUATED TO DETERMINE THE  
 BEST QUALIFIED TO PERFORM THE SYSTEM LEAKAGE EVALUATION.  
 ISSUES:

III.D.1.2 RADIOACTIVE GAS MANAGEMENT (NRR) NRR,RES,ADM REVISED: 11/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI CONTACT: RICHARD BANGART (X27633)  
 OTHER OFFICE/INDIVIDUAL: NRR/W.GAMMILL, V. MALAFEEW,  
 PURPOSE AND SCOPE: 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) SAME AS ORIGINAL.  
 ACCOMPLISHMENTS: NONE  
 CURRENT STATUS: SAME AS ISSUE :  
 ISSUES: 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.

III.D.1.3 VENTILATION SYSTEM AND RADIOIODINE ADSORBER CRITERIA (NRR) NRR,IE,RES,ADM REVISED: 11/80  
 GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI CONTACT: CHARLIE MILLER (X27641)  
 OTHER OFFICE/INDIVIDUAL: NRR/B. SHERRY, W. GAMMILL, D. BANGART  
 PURPOSE AND SCOPE: PROVISIONS WILL BE ESTABLISHED THROUGH LICENSEE EVALUATIONS AND NRC RESEARCH  
 TO ASSURE THAT ADEQUATE FILTRATION OF RADIOACTIVITY IN VENTILATION EXHAUSTS OCCURS AND  
 RADIOIODINE ADSORBER COLLECTION EFFICIENCIES ARE MAINTAINED.  
 SCHEDULE: (ORIGINAL) INITIATE RADIOIODINE ADSORBER RESEARCH 10/80. EVALUATE NEED FOR LICENSEE  
 REVIEW OF AIRBORNE RAD. MAT'L. CONTROL 09/30/82. REQUIRE LICENSEE TO UPGRADE FILTRATION  
 SYSTEMS 09/30/82. (CURRENT) SAME AS ORIGINAL.  
 ACCOMPLISHMENTS: RES ISSUED CONTRACT TO NAVAL RESEARCH LAB, 10/80, TO BEGIN STUDY OF WEATHERED  
 CHARCOAL PERFORMANCE UNDER ACCIDENT CONDITIONS.  
 CURRENT STATUS: SAME AS ACCOMPLISHMENTS  
 ISSUES: N/A

III.D.1.4 RADWASTE SYSTEM DESIGN FEATURES TO AID IN ACCIDENT RECOVERY AND DECONTAMINATION (NRR) NRR,SD,ADM REVISED: 11/80  
INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI CONTACT: RICHARD BANGART (X27633)  
OTHER OFFICE/INDIVIDUAL: NRR/W.GAMMILL  
PURPOSE AND SCOPE: NRR 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) ISSUE A CONTRACT TO INITIATE THE STUDY 10/81. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: NONE  
CURRENT STATUS: N/A  
ISSUES: N/A

III.D.2.1 RADIOLOGICAL MONITORING OF EFFLUENTS (NRR) NRR,SD,ADM REVISED: 11/80  
INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI CONTACT: PHIL STODDART (X27682)  
OTHER OFFICE/INDIVIDUAL: DSI/ETSB/W. GAMMILL  
PURPOSE AND SCOPE: 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) ISSUE CONTRACT TO INITIATE THE SUBJECT STUDY 10/81. REVISE SRPS/REG. GUIDES 09/30/84. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: NONE  
CURRENT STATUS: N/A  
ISSUES: N/A

III.D.2.2 RADIOIODINE, CARBON-14, AND TRITIUM PATHWAY DOSE ANALYSIS (NRR) NRR,SD,RES,ADM REVISED: 11/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RAB/DSI CONTACT: FRANK CONGEL (X27542)  
OTHER OFFICE/INDIVIDUAL: NRR/R. BANGART, W. PASEDAG  
PURPOSE AND SCOPE: (1) IMPROVE UNDERSTANDING AT RADIOIODINE PARTITIONING IN THE PRIMARY COOLANT AND CONTAINMENT DURING NORMAL AND ACCIDENT CONDITIONS. (2) BEHAVIOR OF RADIOIODINE, CARBON-14, AND TRITIUM IN THE ENVIRONMENT WILL BE MODELED AND USED IN REACTOR ASSESSMENTS.  
SCHEDULE: (ORIGINAL) PNL CONTRACT TO STUDY FOOD PATH BEHAVIOR OF I AT TMI 10/80; REQUEST TO RES TO DETERMINE I SPECIES DURING NORMAL/ACCID CONDITIONS 09/80; USE RESULTS OF ABOVE STUDY & ESTABLISH ENVIRON BEHAVIOR IF I 09/82. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: PNL CONTRACT DESCRIBING I BEHAVIOR IN TMI SITE ENVIRONS DUE MOMENTARILY.  
CURRENT STATUS: RES USERS REQUEST IS BEING PREPARED.  
ISSUES: NONE

III.D.2.3  
YELLOW

LIQUID PATHWAY RADIOLOGICAL CONTROL (NRR)

NRR

REVISED: 10/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 3  
(TACS: 12523) RESPONSIBLE BRANCH/DIVISION: HGEB/DOE CONTACT: WILLIAM BIVINS (X28003)  
OTHER OFFICE/INDIVIDUAL: NRR/R. BALLARD

PURPOSE AND SCOPE: 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. EVALUATION OF OTHER SITES WAS TO BEGIN IN FY 82 OR LATER. (CURRENT) WITH THE EXCEPTION OF THE ITEM NOTED UNDER CURRENT STATUS, THIS EFFORT IS ON SCHEDULE.

ACCOMPLISHMENTS: EVALUATION OF THE LIQUID PATHWAY EFFECTS OF A CLASS 9 ACCIDENT FOR THE ZION UNIT AND FOR THE SUMMER UNIT ARE COMPLETE AND HAVE BEEN PROVIDED TO PROJECT MANAGEMENT. COMPLETED AUGUST 8 AND ABOUT JULY 15, RESPECTIVELY. THE SUMMER ANALYSES HAVE BEEN REVISED TO REFLECT WATER USE AND FISHERIES UPDATE AND WILL BE SUPPLIED TO PM BY 10/30/80.

CURRENT STATUS: THE INDIAN POINT REVIEW IS ABOUT 20 - 30 PERCENT COMPLETE. THE GROUNDWATER PATHWAY FOR THIS UNIT IS UNIQUE AND PROVIDES LITTLE OPPORTUNITY FOR HOLDUP OF AN ACCIDENTAL RELEASE FROM THE PLANT. THIS HAS REQUIRED A MORE DETAILED ASSESSMENT OF THE LIQUID PATHWAY USERS AND ITS AFFECT ON MAN. DATA IS BEING COLLECTED TO BETTER DEFINE THE FOOD CHAIN PATHWAY AND TO FURTHER DEFINE INFORMATION DESCRIBING THE GROUNDWATER PATHWAY. WE ARE UNAWARE OF ANY ADVERSE IMPACT ON OTHER PHASES OF THIS STUDY. MODELS ARE BEING FURTHER REFINED BASED UPON OUR EXPERIENCE WITH THE INDIAN POINT-ZION-SUMMER EXERCISE.

ISSUES: THE ACTION PLAN PROVIDES INADEQUATE GUIDANCE WITH RESPECT TO THE EVALUATION OF OTHER PLANTS. IT CALLS FOR ADDITIONAL SITE WORK TO BE INITIATED IN FY 82 OR LATER. THIS IS NOT CONSISTENT WITH THE REQUIREMENTS PLACED ON THIS BRANCH BY THE NEW REVIEW REQUIREMENTS THAT WE ASSESSED THE LIQUID PATHWAY. MODIFICATION OF THE ACTION PLAN SCHEDULE WILL BE REQUIRED, BUT IS NOT YET ACCOMPLISHED. THE FINAL SCHEDULES WILL BE AFFECTED SOMEWHAT BY RULEMAKING ON CLASS 5 ACCIDENTS.

III.D.2.4  
GREEN

OFFSITE DOSE MEASUREMENTS (IE)

NRR, RES, IE, ADM

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: FFMSI/IE CONTACT: LARRY COHEN (X28188)  
OTHER OFFICE/INDIVIDUAL: IE/M. SLOBODIEN

PURPOSE AND SCOPE: THE PURPOSE OF THE PROGRAM IS TO PROVIDE INDEPENDENT AND HIGH QUALITY DIRECT RADIATION MEASUREMENTS AROUND NUCLEAR POWER PLANTS TO ENABLE IE TO ASSESS THE RADIOLOGICAL IMPACT OF THESE FACILITIES UNDER ROUTINE AND EMERGENCY SITUATIONS AND TO VERIFY THE ACCURACY OF LICENSEE'S RADIATION MEASUREMENTS.

SCHEDULE: (ORIGINAL) TLD NETWORK WAS IMPLEMENTED AT ALL OPERATING POWER PLANTS 07/80; ANNUAL REPORT 06/81. (CURRENT) TLD NETWORK WAS IMPLEMENTED AT ALL OPERATING POWER PLANTS 07/80.

ACCOMPLISHMENTS: THE NRC-TLD DIRECT RADIATION MONITORING NETWORK WAS IMPLEMENTED AT ALL 49 OPERATING NUCLEAR POWER PLANTS IN JULY, 1980.

CURRENT STATUS: THERMOLUMINESCENT DOSIMETERS (TLDs) HAVE BEEN PLACED IN ENVIRONS OF 49 OPERATING NUCLEAR POWER PLANTS. COMPUTER SYSTEM TO PROCESS TLDs HAS BEEN PROCURED. CONTACT TO WRITE SOFTWARE PROGRAM TO OPERATE COMPUTER SYSTEMS HAS BEEN SIGNED. DELIVERY OF SOFTWARE IS EXPECTED BY APRIL, 1981.

ISSUES: LIMITED DATA PROCESSING CAPABILITY FOR RADIATION MEASUREMENTS UNTIL COMPUTER SOFTWARE PROGRAMS ARE WRITTEN AND INTEGRATED INTO TLD SYSTEM.



III.D.2.5  
INACTIVE

OFFSITE DOSE CALCULATION MANUAL (NRR)

NRR,IE

REVISED: 11/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RAB/DSI CONTACT: FRANK CONGEL (X27542)  
OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: PREPARE A DOSE MANUAL THAT CAN BE USED BY LICENSEE AND NRC STAFF TO QUICKLY EVALUATE  
OFFSITE DOSES DURING AN ACCIDENT.

SCHEDULE: (ORIGINAL) (CURRENT) DELAYED UNTIL FY 82.

ACCOMPLISHMENTS: NONE

CURRENT STATUS:

ISSUES: THERE APPEARS TO BE REDUNDANT EFFORT ON PRODUCING THIS MANUAL. EPPD AND I&E ARE EITHER DRAFTING  
OR HAVE DRAFTED A MANUAL TO ACCOMPLISH THIS SAME GOAL. RAB IS PARTICIPATING IN THE REVIEW AND  
PREPARATION OF THESE MANUALS. ADDITIONAL EFFORT BY RAB MAY NOT BE NECESSARY IF THE FINAL MANUAL  
MEETS THE NEEDS OF THIS TAP.

III.D.2.6  
GREEN

INDEPENDENT RADIOLOGICAL MEASUREMENTS (IE)

IE

REVISED: 10/80

\*\*COMPLETION DATE > FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: FFMSI/IE CONTACT: LARRY COHEN (X28188)  
OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: THE CAPABILITY OF THE NRC'S REGIONAL OFFICES TO PERFORM INDEPENDENT MEASUREMENT  
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) TASK FORCE REPORT ON INDEPENDENT RADIOLOGICAL MEASUREMENTS WAS COMPLETED 12/79;  
EQUIP ALL REGIONS WITH MOBILE LABORATORIES 03/80. (CURRENT) COMPLETE FULL COMPLEMENT OF TECHNICAL  
EQUIPMENT IN REGIONAL OFFICES 06/83; UPGRADE INSPECTION PROGRAM 06/82.

ACCOMPLISHMENTS: (1) COMPLETION OF TASK FORCE REPORT ON INDEPENDENT RADIOLOGICAL MEASUREMENTS; (2)  
OUTFITTING OF ALL REGIONS WITH MOBILE LABORATORIES.

CURRENT STATUS: THE REGIONAL OFFICES RADIOLOGICAL MEASUREMENT CAPABILITY HAVE BEEN PARTIALLY UPGRADED  
DURING 1980. ALL REGIONS HAVE FULLY EQUIPPED OPERATING MOBILE LABORATORIES. THE SCOPE OF THE  
INDEPENDENT MEASUREMENTS IN THE INSPECTION PROGRAM HAS BEEN DEFINED IN TASK FORCE REPORT.

ISSUES:

III.D.3.1  
YELLOW

RADIATION PROTECTION PLANS (NRR)

NRR,SD

REVISED: 11/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RAB/DSI CONTACT: RICH SERBU (X27621)  
OTHER OFFICE/INDIVIDUAL: IEJ. CUNNINGHAM; DSI/D. COLLINS

PURPOSE AND SCOPE: TO ASSURE A COMPREHENSIVE RADIATION PROTECTION PROGRAM THAT WILL FUNCTION EFFECTIVELY  
DURING ROUTINE OPERATIONS, ANTICIPATED OPERATIONAL OCCURRENCES AND EMERGENCIES.

SCHEDULE: (ORIGINAL) NUREG-0660 ISSUED. INITIATE WORK. (CURRENT) LETTER TO LICENSEES NOTIFYING OF ACTION  
05/80; DRAFT PLAN GUIDE CIRCULATED WITHIN NRC FOR COMMENT 09/80; ISSUE DRAFT PLAN GUIDE FOR PUBLIC  
COMMENT.

ACCOMPLISHMENTS: DRAFT GUIDE ISSUED. IE HP APPRAISALS PROVIDING INFORMATION FOR INCORPORATION INTO GUIDE.

CURRENT STATUS: BECAUSE OF HP APPRAISAL FINDINGS, SCHEDULE HAS BEEN MOVED UP FOR ISSUANCE OF REQUIREMENT  
TO DEVELOP AND IMPLEMENT RADIATION PROTECTION PLANS. NEW SCHEDULE WOULD REQUIRE DEVELOPMENT EARLY  
NEXT YEAR AND WOULD REQUIRE THAT LASTING SOLUTIONS TO APPRAISAL FINDINGS BE INCORPORATED IN THE PLAN.

ISSUES: ACCELERATED SCHEDULE WILL TAX MANPOWER.

III.D.3.2  
GREEN  
COMMISSION(TACS:

HEALTH PHYSICS IMPROVEMENTS (SD)

SD

REVISED: 11/80

\*\*COMPLETION DATE > FY81 \*PRIORITY -  
RESPONSIBLE BRANCH/DIVISION: OHSB CONTACT: ROBERT ALEXANDER (X35975)  
OTHER OFFICE/INDIVIDUAL: OHSB/N. DENNIS, W. COOL, S. MCGUIRE  
PURPOSE AND SCOPE: A) ESTABLISH REGULATORY CERTIFICATION PROGRAM FOR PERSONNEL DOSIMETRY PROCESSORS. B) ESTABLISH REGULATORY CERTIFICATION PROGRAM FOR HEALTH PHYSICS SURVEY INSTRUMENTS. C) SPECIFY ACCEPTABLE CONDITIONS FOR USE OF AUDIBLE ALARM DOSIMETERS.  
SCHEDULE: (ORIGINAL) (CURRENT) PUBLICATION OF PROPOSED RULE FOR COMMENTS 07/81;  
AWARD OF CONTRACT TO CONDUCT PILOT STUDY OF STANDARD. 06/81; PUBLICATION OF REGULATORY GUIDE IN ACTIVE FORM 02/81.  
ACCOMPLISHMENTS: PUBLICATION OF ADVANCE NOTICE OF RULEMAKING, MARCH 28, 1980. FIRST DRAFT OF STANDARD COMPLETED IN 10/80. PUBLICATION OF REGULATORY GUIDE OH804-4 FOR COMMENT, 08/79.  
CURRENT STATUS: COMMISSION PAPER FOR PROPOSED RULE IN PREPARATION. PREPARING TO ISSUE RFP FOR A PILOT TEST OF NEW STANDARD. REVISION OF REGULATORY GUIDE IN PROGRESS FOR PUBLICATION IN ACTIVE FORM.  
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, E.G., NIOSH, NAVLAP.  
COMMISSION ACTION: REVIEW OF REG. GUIDE. COMMISSION AUTHORITY HAS NOT BEEN ESTABLISHED FOR PARTS OF THIS TASK.

III.D.3.3  
GREEN

INPLANT RADIATION MONITORING (NRR)

NRR,SD

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RAB/DSI CONTACT: DOUG COLLINS (X27614)  
OTHER OFFICE/INDIVIDUAL: NRR/C. HINSON  
PURPOSE AND SCOPE: 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. DRAFT R.G. 1.97 INCLUDED AREA RADIATION MONITORS TO 104 R/HR. (CURRENT)  
ACCOMPLISHMENTS: CATEGORY A SER, 3/80 - ABILITY TO DETECT IODINE.  
CURRENT STATUS: MOST LICENSEES CAN MEASURE RADIOIODINE CONCENTRATIONS NOW BECAUSE THEY WILL USE SILVER ZEOLITE CARTRIDGES WITH A SINGLE CHANNEL ANALYZER. THE COUNTING CAN BE DONE IN A LOW BACKGROUND AREA, SUCH AS THE TECHNICAL SUPPORT CENTER. CONTRACT TO PERFORM REVIEWS TO BE SENT 10/80.  
ISSUES: NONE

III.D.3.4  
YELLOW

CONTROL ROOM HABITABILITY (NRR)

NRR,SD,IE

REVISED: 11/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: 42235) RESPONSIBLE BRANCH/DIVISION: AEB/DSI CONTACT: HARRY KRUG (X27849)  
OTHER OFFICE/INDIVIDUAL: IE/M. KIDD; NRR/H. SCHIERLING  
PURPOSE AND SCOPE: 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 ON SCHEDULE. LICENSEES TO SUBMIT DETAILED INFORMATION PER 7 MAY 1980 LETTER BY 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. SATISFY OPERATING REACTORS REQUIREMENTS AS PER (1) ABOVE ON A CASE-BY-CASE BASIS. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: (1) GUIDANCE TO OPERATING REACTORS ON 7 MAY 1980. (2) FULL POWER SER COMPLETE FOR SEQUOYAH, NORTH ANNA, FARLEY, MCGUIRE, AND SALEM. (3) TECHNICAL ASSISTANCE CONTRACT AWARDED TO PNL ON 1 AUGUST 1980.  
CURRENT STATUS: SCOPE OF WORK AND SCHEDULE HOLDING CONSISTENT WITH NUREG-0660, NUREG-0694 AND THE NRC LETTER OF 7 MAY 1980.  
ISSUES: IF INDUSTRY SUBMITTALS ARE OF POOR QUALITY, INCREASED COSTS AND SCHEDULES COULD RESULT. TO MAKE THE EVALUATIONS MEANINGFUL, CAREFUL TESTS OF THE CONTROL ROOMS MAY BE NEEDED AS A CONFIRMATORY DEMONSTRATION.

III.D.3.5  
YELLOW

RADIATION WORKER EXPOSURE DATA BASE (SD)

SD

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RHSB/DSHSS CONTACT: ROBERT GOLDSMITH (X35860)

OTHER OFFICE/INDIVIDUAL: RHSB/D. FLACK

PURPOSE AND SCOPE: 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)

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 BEING MADE WITH OTHER NRC OFFICES, DOE AND EPRI TO DETERMINE WHAT RELATED DATA HAS ALREADY BEEN COLLECTED. 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.

ISSUES: EXACT SCOPE, SCHEDULES AND RESOURCES DEPENDENT ON PASSAGE OF MOFFETT AMENDMENT, PART OF PENDING H.R. 6628, NRC FY '81 AUTHORIZATION BILL.

IV.A.1 SEEK LEGISLATIVE AUTHORITY IN ENFORCEMENT PROCESS (OGC) OGC,ELD,IE REVISED: 11/80  
 GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
 COMMISSION(TACS: ) RESPONSIBLE BRANCH/DIVISION: OGC CONTACT: CARL STOIBER (X43224)  
 OTHER OFFICE/INDIVIDUAL: NRR/D. COLLINS  
 PURPOSE AND SCOPE: NRC IS TRYING TO RAISE CIVIL PENALTY FINE (ON LICENSEE) LIMITS TO \$100,000 PER VIOLATION  
 WITH NO LIMIT ON THE NUMBER OF VIOLATIONS. NRC IS FURTHER 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 AUTHORIZATION.  
 CURRENT STATUS: SECY-80-366 BEING REVIEWED BY COMMISSION.  
 ISSUES: DECISION MUST BE MADE AS TO WHETHER OR NOT TO SEEK LEGISLATIVE AUTHORITY FOR ADDITIONAL  
 FINE LEVYING CAPABILITIES UNDER SPECIFIC CONDITIONS.  
 COMMISSION ACTION: REVIEW

IV.A.2 REVISE ENFORCEMENT POLICY (IE) IE REVISED: 11/80  
 GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
 COMMISSION(TACS: ) RESPONSIBLE BRANCH/DIVISION: XOOS/IE CONTACT: DUDLEY THOMPSON (X28487)  
 OTHER OFFICE/INDIVIDUAL: ELD/JAMES LIEBERMAN  
 PURPOSE AND SCOPE: REVISE NRC ENFORCEMENT POLICY AND GUIDANCE FOR IMPOSITION OF CIVIL PENALTIES, ORDERS,  
 AND OTHER SANCTIONS. CONSIDER PROBATIONARY STATUS, AND PUBLIC MEETINGS NEAR SITE. INFORM PUBLIC,  
 REQUEST COMMENTS AND HOLD REGIONAL MEETINGS.  
 SCHEDULE: (ORIGINAL) SECY-80-139A 08/80; SECOND COMMISSION BRIEFING 09/80. (CURRENT) FEDERAL REGISTER  
 NOTICE; REVISE TO ACCOMMODATE COMMENTS; ISSUE AS APPENDIX C, PART 2.  
 ACCOMPLISHMENTS: AT BRIEFING ON 9/4/80, COMMISSION APPROVED PUBLICATION FOR 90-DAY COMMENT PERIOD.  
 APPROVAL FOR INTERIM USE OF NEW PROPOSED POLICY AS GUIDANCE. FEDERAL REGISTER NOTICE 10/7/80 (45FR66754)  
 CURRENT STATUS: PUBLIC MEETINGS SCHEDULED FOR EARLY DECEMBER IN NRC REGIONAL CITIES. INVITATIONS AND  
 COPIES OF FRN SENT TO POTENTIAL PARTICIPANTS. PRESS RELEASE ON MEETINGS ISSUED 10/28.  
 ISSUES:  
 COMMISSION ACTION: APPROVAL OF PUBLICATION.

IV.B.1 REVISE PRACTICES FOR ISSUANCE OF INSTRUCTIONS AND INFORMATION TO LICENSEES (IE) IE REVISED: 10/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY -  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: ROI/IE CONTACT: ED JORDAN (X28180)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: DEVELOP A MORE EFFICIENT AND EFFECTIVE MANAGEMENT METHOD FOR ISSUING INFORMATION AND  
 REQUIREMENTS TO LICENSEES TO ELIMINATE THE DUPLICATION OF STAFF EFFORT FOR NRC AND LICENSEES. PROVIDE  
 AN NRC-WIDE SYSTEM FOR TRACKING SAFETY ISSUES.  
 SCHEDULE: (ORIGINAL) DECISION GROUP D. (CURRENT) ESTABLISH INTEROFFICE TASK GROUP TO REVIEW METHODS 06/81;  
 PREPARE COMMISSION PAPER WITH RECOMMENDED METHODS 08/81; REVISE OFFICE PROCEDURES TO IMPLEMENT SELECTED  
 METHOD(S) 11/81.  
 ACCOMPLISHMENTS: NONE  
 CURRENT STATUS:  
 ISSUES: THE GAO CLEARANCE FOR GENERIC CORRESPONDENCE WAS RENEWED FOR AN INTERIM PERIOD UNTIL NOVEMBER 30, 1980  
 BASED ON GAO BELIEF THAT THE GENERIC CLEARANCE HAD BEEN ABUSED. THE ADMINISTRATIVE AND LEGAL PROBLEMS  
 ASSOCIATED WITH LOSS OR RESTRICTION OF THE GENERIC CLEARANCE IS UNDER REVIEW BY A SHORT TERM TASK GROUP.



IV.C.1 EXTEND LESSONS LEARNED FROM TMI TO OTHER NRC PROGRAMS (NMSS) NMSS,NRR REVISED: 11/80  
INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: BOB BROWNING (X74200)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:  
SCHEDULE: (ORIGINAL) (CURRENT)  
ACCOMPLISHMENTS:  
CURRENT STATUS: THIS PROJECT IS NOT SCHEDULED FOR ANY ACTION FOR AT LEAST 6 MONTHS. (UNTIL 05/81).  
ISSUES:

IV.D.1 NRC STAFF TRAINING (ADM) ADM REVISED: 11/80  
YELLOW \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
COMMISSION(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: PETER GOLDMAN (X28259)  
OTHER OFFICE/INDIVIDUAL: ADM/L. COOPER; IE/J. LEDOUX  
PURPOSE AND SCOPE: IMPROVE AND EXPAND NRC TRAINING PROGRAM FOR THE TECHNICAL STAFF AND RESIDENT INSPECTORS;  
AND DEVELOP A TRAINEESHIP/FELLOWSHIP PROGRAM.  
SCHEDULE: (ORIGINAL) OBTAIN CONTRACTOR SURVEY ASSISTANCE 08/81; COMMISSION PAPER ON NRC TRAINING PROGRAM  
FORWARDED 06/80; INCREASE SIMULATOR TRAINING 09/80; PROVIDE MULTI-DISCIPLINARY EDUCATION AND TRAINING  
(CONTINUING). (CURRENT) OBTAIN CONTRACTOR SURVEY ASSISTANCE - ACTION CHANGED; COMMISSION PAPER ON NRC  
TRAINING PROGRAM (SEE STATUS) 07/80; INCREASE SIMULATOR TRAINING 1982; PROVIDE MULTI-DISCIPLINARY EDUCATION  
AND TRAINING (SEE ISSUE) CONTINUING.  
ACCOMPLISHMENTS: COMMISSION APPROVED (IN PART) SECY-80-331 9/25/80. NEW DISCIPLINARY TRAINING PROVIDED IN  
HUMAN FACTORS AND SYSTEMS SAFETY TO APPROXIMATELY 90 PROFESSIONALS. FURTHER TRAINING FUNDED.  
CURRENT STATUS: ORAU STRUCTURING ALTERNATIVE TRAINEESHIP/FELLOWSHIP PROGRAMS. FIRST INPUT EXPECTED 11/80.  
NRC TRAINING FUNDS AVAILABLE FOR VARIETY OF SAFETY AND SYSTEMS MANAGEMENT TRAINING; APPROXIMATELY 40+  
EMPLOYEES ENROLLED IN PROGRAMS. SIMULATOR TRAINING CONTINUING AT PREVIOUS LEVEL; REACTOR SYSTEMS  
TECHNOLOGY TRAINING INCREASED TO MEET HIGHER DEMAND. TECHNICAL TRAINING NEEDS REVIEW TO BE CONDUCTED  
IN-HOUSE BY MDTs WITH THE COOPERATION OF XOMA/IE.  
ISSUES: DUE TO REGULATORY REQUIREMENTS IMPOSED UPON NUCLEAR INDUSTRY, DEMANDS FOR SIMULATOR TRAINING  
INCREASED; NRC UNABLE TO INCREASE ITS USAGE.  
COMMISSION ACTION: REVIEW

IV.E.1 EXPAND RESEARCH ON QUANTIFICATION OF SAFETY DECISION-MAKING (RES) RES REVISED: 11/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: SRR/RES CONTACT: WILLIAM VESELY (X74505)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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"  
09/80. (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: 08/80.  
ACCOMPLISHMENTS: COMPLETED TWO NUREGS AND FOUR DRAFT REPORTS 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:

IV.E.2 PLAN FOR EARLY RESOLUTION OF SAFETY ISSUES (NRR) NRR,SD,RES,AEOD,IE REVISED: 10/80  
 GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
 COMMISSION(TACS: 40042) RESPONSIBLE BRANCH/DIVISION: DSI/SPEB CONTACT: THOMAS COX (X28966)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: 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) (1) DRAFT  
 PLAN FOR NRR MANAGEMENT REVIEW 11/7/80; (2) RECOMMENDED PLAN FOR COMMISSION REVIEW 1/9/81; (3) FINAL  
 PLAN THAT INCORPORATES COMMISSION COMMENTS 3/6/81.  
 ACCOMPLISHMENTS:  
 CURRENT STATUS: EFFORT JUST GETTING UNDERWAY.  
 ISSUES: NONE IDENTIFIED AT THIS TIME.  
 COMMISSION ACTION: REVIEW OF PLAN.

IV.E.3 PLAN FOR RESOLVING ISSUES AT CONSTRUCTION PERMIT STAGE (NRR) NRR,ELD REVISED: 10/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: CONTACT:  
 OTHER OFFICE/INDIVIDUAL: NOT ASSIGNED  
 PURPOSE AND SCOPE: 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 ALTERNATIVE  
 LISTED IN THE ACTION PLAN.  
 SCHEDULE: (ORIGINAL) NO SCHEDULE YET ESTABLISHED. (CURRENT)  
 ACCOMPLISHMENTS:  
 CURRENT STATUS: A PLAN IS NOT SCHEDULED FOR PREPARATION UNTIL "...FY 82 OR LATER."  
 ISSUES:

IV.E.4 RESOLVE GENERIC ISSUES BY RULEMAKING (SD) SD,ADM REVISED: 11/80  
 GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: SCSB/DES CONTACT: LOUIS FRANK (X35997)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: 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 AS ORIGINAL.  
 ACCOMPLISHMENTS.  
 CURRENT STATUS:  
 ISSUES: NEED TO IDENTIFY COGNIZANT NRR PERSONNEL FOR GUIDANCE AND REVIEW OF PROGRAM UNDER DEVELOPMENT.

IV.E.5 ASSESS CURRENTLY OPERATING REACTORS (NRR) NRR,RES,IE,SD REVISED: 10/80  
 GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
 (TACS: 40048) RESPONSIBLE BRANCH/DIVISION: DST/SPEB CONTACT: MICHAEL BOYLE (X27058)  
 OTHER OFFICE/INDIVIDUAL: NRR/W. MILSTEAD  
 PURPOSE AND SCOPE: 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 3/15/80;  
 PLAN COMPLETION 10/01/87. (CURRENT) SAME AS ORIGINAL.  
 ACCOMPLISHMENTS: DRAFT PLAN OF THE INTEGRATED PROGRAM TO ASSESS THE SAFETY OF ALL OPERATING REACTORS  
 HAS BEEN SUBMITTED TO THE COMMISSION; 90-DAY STATUS REPORT SUBMITTED; COMPREHENSIVE  
 PLAN IS CURRENTLY BEING DRAFTED.  
 CURRENT STATUS: NO ISSUES OR PROBLEMS ENCOUNTERED SINCE PROGRAM HAS NOT YET BEEN INITIATED.  
 ISSUES:

IV.F.1 INCREASED IE SCRUTINY OF POWER ASCENSION TEST PROGRAM (IE) IE REVISED: 10/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ROI/IE CONTACT: SAM BRYAN (X28019)  
OTHER OFFICE/INDIVIDUAL: IE/R. H. WESSMAN  
PURPOSE AND SCOPE: INCREASE IE 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.  
SCHEDULE: (ORIGINAL) DEVELOP INSPECTION REQUIREMENTS 05/80; COMMENCE INSPECTION WHEN FACILITY STARTUP TESTING  
BEGINS (UNKNOWN). (CURRENT) INSPECTION REQUIREMENTS DEVELOPED 05/80; COMMENCE INSPECTION OF STARTUP  
TESTING (UNKNOWN).  
ACCOMPLISHMENTS: INSPECTION REQUIREMENTS ISSUED IN MAY 1980. FIRST NTOL POWER ESCALATION IS IN PROGRESS AND  
BEING WITNESSED AT NORTH ANNA 2.  
CURRENT STATUS: POWER ESCALATION WITNESSING PLANNED FOR SEQUOYAH IN 10/80. INSPECTION INCORPORATED INTO  
REVISED IE INSPECTION PROCEDURES.  
ISSUES: NONE

IV.F.2 EVALUATE THE IMPACTS OF FINANCIAL DISINCENTIVES TO THE SAFETY OF NUCLEAR POWER PLANTS (NRR) NRR,SD,RES,IE REVISED: 11/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: 42407) RESPONSIBLE BRANCH/DIVISION: UTILITY FINANCE BRANCH, DE CONTACT: ROBERT WOOD (X28336)  
OTHER OFFICE/INDIVIDUAL: NRR/JIM PETERSON, MICHAEL KARLOWICZ  
PURPOSE AND SCOPE: 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 AS ORIGINAL.  
ACCOMPLISHMENTS: PRELIMINARY CONTACTS WITH FERC, NARUC, AND IRS HAVE BEEN MADE.  
CURRENT STATUS: CONTINUING TO GATHER INFORMATION FROM REGULATORY ORGANIZATIONS AND PRELIMINARILY IDENTIFY  
POSSIBLE DISINCENTIVES.  
ISSUES: NONE

IV.G.1 DEVELOP A PUBLIC AGENDA FOR RULEMAKING (ADM) ADM REVISED: 11/80  
INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: ADM CONTACT: JOHN PHILIPS (X27036)  
OTHER OFFICE/INDIVIDUAL: ADM/L. COOPER  
PURPOSE AND SCOPE: DEVELOP AND PUBLISH IN THE FEDERAL REGISTER A SEMI-ANNUAL 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) (CURRENT) PLAN TO DEVELOP AND PUBLISH AN AGENDA BY 10/83.  
ACCOMPLISHMENTS: NONE TO DATE  
CURRENT STATUS: PROGRAM SCHEDULED FOR FY 83.  
ISSUES: NONE

\*IV.G.2  
INACTIVE

PERIODIC AND SYSTEMATIC REEVALUATION OF EXISTING RULES (SD) SD  
\*\*COMPLETION DATE > FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: PAT RATHBUN (X35981)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: IN COMPLIANCE WITH EXECUTIVE ORDER 12044, REVIEW RULES AND REGULATIONS  
FOR CLARITY OF EXPRESSION AND MEANING.  
SCHEDULE: (ORIGINAL) SCHEDULE WILL BE ESTABLISHED IN NORMAL NRC BUDGETARY PROCESS.  
ACCOMPLISHMENTS: NONE  
CURRENT STATUS: NONE  
ISSUES: NONE

REVISED: 10/80

\*IV.G.3  
INACTIVE

IMPROVE RULEMAKING PROCEDURES (SD) SD  
\*\*COMPLETION DATE > FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: PAT RATHBUN (X35981)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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

REVISED: 10/80

\*IV.G.4  
INACTIVE

STUDY ALTERNATIVES FOR IMPROVED RULEMAKING PROCESS (SD) SD  
\*\*COMPLETION DATE > FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: PAT RATHBUN (X35981)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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.  
SCHEDULE: (ORIGINAL) SCHEDULE WILL BE ESTABLISHED IN NORMAL NRC BUDGETARY PROCESS.  
ACCOMPLISHMENTS: NONE  
CURRENT STATUS: NONE  
ISSUES: NONE

REVISED: 10/80



IV.H  
GREEN

NRC PARTICIPATION IN THE RADIATION POLICY COUNCIL (SD)

SD

REVISED: 11/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 3

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RHSB/DSHSS CONTACT: ED PODOLAK (X35860)  
OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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: THE RPC HELD THE FIRST TWO OF ITS SCHEDULE QUARTERLY MEETINGS ON MAY 14, 1980 AND SEPTEMBER 25, 1980. THE COUNCIL'S FIRST PROGRESS REPORT WAS SUBMITTED TO THE PRESIDENT ON SEPT. 30, 1980.

CURRENT STATUS: THE RPC HOLDS QUARTERLY PUBLIC MEETINGS AND SUBMITS WORKING GROUP MEETS SEMIMONTHLY TO CARRYOUT THE COUNCIL'S DIRECTIVES AND PREPARE DECISION PAPERS FOR COUNCIL ACTION.

ISSUES:

CHAPTER IV ACTION ITEMS - 17

TOTAL ACTION ITEMS - 159

IMI ACTION PLAN TRACKING SYSTEM (APTS)

24 NOVEMBER 1980

NRR (LEAD OFFICE) ACTION ITEMS (RUN DATE: 12/03)

SUMMARY OF ACTION ITEMS:

CHAPTER I : 28 (OPERATIONAL SAFETY)  
CHAPTER II : 36 (SITING AND DESIGN)  
CHAPTER III : 15 (EMERGENCY PREPAREDNESS AND RADIATION EFFECTS)  
CHAPTER IV : 4 (PRACTICES AND PROCEDURES)  
  
TOTAL 83

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

COMPLETE (IMPLEMENTATION) : 9 (7,2,0,0)  
PRIORITY '1' ITEMS : 8 (6,2,0,0)

REQMENT (REQUIREMENT ISSUED, IMPLEMENTATION  
NOT COMPLETE) : 3 (1,2,0,0)  
PRIORITY '1' ITEMS : 3 (1,2,0,0)

INACTIVE : 20 (6,9,4,1)  
PRIORITY '1' ITEMS : 2 (1,1,0,0)

ACTIVE : 51 (14,23,11,3)  
PRIORITY '1' ITEMS : 31 (8,20,3,0)

\*RED AND YELLOW ITEMS : 17 (1,13,3,0)  
PRIORITY '1' ITEMS : 11 (1,10,0,0)

\*COMMISSION ACTION ITEMS : 7 (3,2,1,1)  
PRIORITY '1' ITEMS : 3 (2,1,0,0)

COMMENTS:

COMMENTS OR QUESTIONS REGARDING THIS MATERIAL SHOULD BE DIRECTED TO  
PAUL VINEYARD, MPA (X27533, MNBB-12711)

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

I.A.1.1  
YELLOW

OPERATIONAL SAFETY - SHIFT TECHNICAL ADVISOR (NRR) NRR,IE REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: 42055) RESPONSIBLE BRANCH/DIVISION: LQB, DHFS CONTACT: LAWRENCE CROCKER (X29437)  
 OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
 PURPOSE AND SCOPE: 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  
 UNDERWAY 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 RE TRAINING  
 REQUIREMENTS TO ALL LICENSES ISSUED 09/05/80.  
 CURRENT STATUS: SAME AS ACCOMPLISHMENTS.  
 ISSUES: INPO STA REQUIREMENTS ARE ACCEPTABLE FOR INTERIM GUIDANCE. STAFF NOT YET IN POSITION TO FULLY  
 ENDORSE SET OF MINIMUM REQUIREMENTS. MORE RIGOROUS INPO GUIDANCE CANNOT BE MET BY 1/1/81.

I.A.1.2  
COMPLETE

OPERATIONAL SAFETY - SHIFT SUPERVISOR ADMIN. DUTIES (NRR) NRR REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: 42056) RESPONSIBLE BRANCH/DIVISION: LQB, DHFS CONTACT: FRED ALLENSPACH (X27741)  
 OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
 PURPOSE AND SCOPE: 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 NOT BE REVIEWED TO ASSURE CONFORMANCE.  
 ACCOMPLISHMENTS: LICENSEES OF OPERATING REACTORS COMPLETED THIS TASK BY 01/80. APPLICANTS FOR OL WILL  
 COMPLETE BY FUEL LOADING.  
 CURRENT STATUS: SAME AS CURRENT AND ACCOMPLISHMENTS.  
 ISSUES: NONE

I.A.1.3  
REQMENT  
GREEN

OPERATIONAL SAFETY - SHIFT MANNING (NRR) NRR,IE REVISED: 10/80  
 \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
 (TACS: 42057) RESPONSIBLE BRANCH/DIVISION: LQB, DHFS CONTACT: LAWRENCE CROCKER (X29437)  
 OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
 PURPOSE AND SCOPE: 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 07/31/80.  
 CURRENT STATUS: LICENSEES WERE TOLD TO RESPOND TO LETTER WITHIN 90 DAYS OF RECEIPT (OF JULY 31 LETTER)  
 AS TO DATE THEY WILL COMPLY.  
 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.

I.A.2.1  
COMPLETE

IMMEDIATE UPGRADING OF OPERATOR AND SENIOR  
 OPERATOR TRAINING AND QUALIFICATIONS (NRR) NRR,ADM,IE REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: PAUL COLLINS (X27486)  
 OTHER OFFICE/INDIVIDUAL: NONE  
 PURPOSE AND SCOPE: 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: NONE

I.A.3.2 OPERATOR LICENSING PROGRAM CHANGES (NRR) NRR REVISED: 10/80  
 GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: PAUL COLLINS (X27486)  
 OTHER OFFICE/INDIVIDUAL: IE/REGION III INSPECTORS  
 PURPOSE AND SCOPE: 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 PLAN BEING DEVELOPED. INITIATED 07/80. STUDY OF OTHER PROGRAM IMPROVEMENTS CONTRACTED.  
 REPORT DUE 12/80.  
 ACCOMPLISHMENTS: DRAFT REGIONALIZATION PROGRAM - 07/80. CONTRACT WRITTEN TO STUDY STAFFING AND PLAN  
 FOR REVIEW OF OPERATOR ERRORS - 08/80.  
 CURRENT STATUS: DRAFT REGIONALIZATION PAPER WRITTEN. REGION III RECOMMENDED FOR PILOT PROGRAM.  
 ISSUES: NONE

I.A.3.4 LICENSING OF ADDITIONAL OPERATIONS PERSONNEL (NRR) NRR,ADM REVISED: 10/80  
 GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
 (TACS: 42452) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: JOE MCMILLEN (X27476)  
 OTHER OFFICE/INDIVIDUAL: NONE  
 PURPOSE AND SCOPE: 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.  
 ACCOMPLISHMENTS: CONTRACT WORK PROCEEDING.  
 CURRENT STATUS: CONTRACT IN PROGRESS.  
 ISSUES: NONE

I.A.3.5 LICENSING OF PERSONNEL - STATEMENT OF UNDERSTANDING WITH INPO AND DOE (NRR) NRR REVISED: 10/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY -  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: DST CONTACT: MAL ERNST (X28016)  
 OTHER OFFICE/INDIVIDUAL: NRR/S. HANAUER  
 PURPOSE AND SCOPE: 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.

I.A.4.1 TRAINING SIMULATOR IMPROVEMENTS - INITIAL (NRR) NRR,ADM REVISED: 11/80  
 GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: 42453) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: JOE MCMILLEN (X27476)  
 OTHER OFFICE/INDIVIDUAL: RES/W. FARMER  
 PURPOSE AND SCOPE: 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 SCHEDULED COMPLETION DATED AUGUST 29, 1980. NRR ISSUE REQUIREMENTS 01/81.  
 ACCOMPLISHMENTS: FINAL REPORT NUREG-CR-1482 ISSUED 06/80.  
 CURRENT STATUS: REVIEWING STATUS REPORT AND AWAITING COMMENTS  
 ISSUES: ONE MONTH 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. THIS ASPECT OF THE TASK IS TO BE COMPLETED 1/81.



I.B.1.1 MANAGEMENT FOR OPERATIONS - LONG-TERM  
GREEN IMPROVEMENTS (NRR) NRR,IE,SD,ADM REVISED: 10/80  
COMMISSION\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: 42059) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS CONTACT: LAWRENCE CROCKER (X29437)  
OTHER OFFICE/INDIVIDUAL: IE/S. BRYAN  
PURPOSE AND SCOPE: DEVELOP CRITERIA FOR MANAGEMENT AND TECHNICAL RESOURCES TO OPERATE NUCLEAR  
POWER PLANTS.  
SCHEDULE: (ORIGINAL) ISSUE COMMISSION PAPER BY 01/81. ISSUE REQUIREMENT TO OPERATING PLANTS BY MARCH 1981.  
NRR REVIEW RESPONSES BY 07/81; IE INSPECT IMPLEMENTATION FROM 10/81. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: CONTRACT TO TEKNEKRON COMPLETED (FINAL REPORT DATED MAY 1980) NUREG - 0731, "GUIDE-  
LINES ARE UTILITY MANAGEMENT STRUCTURE AND TECHNICAL RESOURCES," ISSUED FOR INTERIM USE AND PUBLIC  
COMMENT 09/80.  
CURRENT STATUS: DRAFT GUIDELINES BEING SUBJECTIVELY USED IN THE EVALUATION OF NTOLS. INTEND TO ISSUE  
DRAFT CRITERIA AS A NUREG FOR PUBLIC COMMENT BEFORE THE END OF 1980. REVISION TO REG. GUIDE 1.8 ISSUED.  
REVISION TO REG. GUIDE 1.33 WILL BE ISSUED FOR COMMENT IN FALL 1980.  
ISSUES: NONE  
COMMISSION ACTION: REVIEW PROPOSED REQUIREMENTS.

I.C.1 SHORT-TERM ACCIDENT ANALYSIS AND PROCEDURES REVISION (NRR) NRR,ADM,IE REVISED: 10/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: PTRB/DHFS CONTACT: DON BECKHAM (X27741)  
OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
PURPOSE AND SCOPE: 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 \* 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). REVIEWS UNDERWAY ON OTHER VENDORS.  
CURRENT STATUS: SHORT TERM ITEMS, SBLOCA AND ICC, COMPLETED BY VENDORS. REVIEWS BY STAFF PROGRESSING TO  
SUPPORT NTOL LICENSING SCHEDULES. CLARIFICATION LETTER ON SCOPE AND SCHEDULE OF I.C.1(3) BEING CIRCULATED  
FOR CONCURRENCE.  
ISSUES: REANALYSIS OF TRANSIENTS AND ACCIDENTS REQUIRED SIGNIFICANTLY MORE EFFORT THAN ORIGINALLY ESTIMATED.  
SCHEDULE REVISED TO REFLECT THE ADDITIONAL EFFORT.

I.C.2 SHIFT AND RELIEF TURNOVER PROCEDURES (NRR) NRR,IE REVISED: 10/80  
COMPLETE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS CONTACT: FRED ALLENSPACH (X27741)  
OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
PURPOSE AND SCOPE: 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: COMPLETED FOR OPERATING REACTORS.  
CURRENT STATUS: APPLICANTS FOR NTOL WILL BE COMPLETED BY FUEL LOADING.  
ISSUES: NONE

I.C.3 COMPLETE SHIFT SUPERVISOR RESPONSIBILITIES (NRR) NRR,IE REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS CONTACT: FRED ALLENSPACH (X27741)  
OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
PURPOSE AND SCOPE: 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: COMPLETED FOR OPERATING REACTORS.  
CURRENT STATUS: APPLICANTS FOR NTOL WILL BE COMPLETED BY FUEL LOADING.  
ISSUES: NONE

I.C.4 COMPLETE OPERATING PROCEDURES - CONTROL ROOM ACCESS (NRR) NRR,IE REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS CONTACT: FRED ALLENSPACH (X27741)  
OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
PURPOSE AND SCOPE: 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: COMPLETED FOR OPERATING REACTORS.  
CURRENT STATUS: APPLICANTS FOR NTOL WILL BE COMPLETED BY FUEL LOADING.  
ISSUES: NONE

I.C.5 COMPLETE PROCEDURES FOR FEEDBACK OF OPERATING EXPERIENCE (NRR) NRR,IE REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS CONTACT: FRED ALLENSPACH (X27741)  
OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
PURPOSE AND SCOPE: 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. TASK COMPLETED. APPLICATIONS WILL NOW BE REVIEWED TO ASSURE CONFORMANCE.  
ACCOMPLISHMENTS: HAS BEEN COMPLETED FOR UTILITIES WITH OPERATING REACTORS.  
CURRENT STATUS: APPLICANTS FOR NTOL WILL BE COMPLETED BY FUEL LOADING.  
ISSUES: NONE

I.C.6 GREEN PROCEDURES FOR VERIFICATION OF CORRECT PERFORMANCE OF OPERATING ACTIVITIES (NRR) NRR,IE REVISED: 10/80  
COMMISSION\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: PTRB/DHFS CONTACT: DON BECKMAN (X27741)  
OTHER OFFICE/INDIVIDUAL: SD/T. SCARBROUGH; IE/P. MCKEE  
PURPOSE AND SCOPE: 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 REVISION TO BE  
COMPLETED BY 1/1/81.  
ACCOMPLISHMENTS: CLARIFICATION OF REQUIREMENT PREPARED BY OSD, NRR, IE REPRESENTATIVES.  
CURRENT STATUS: CLARIFICATION, INCLUDING ACCEPTABLE METHOD OF VERIFICATION, ASSEMBLED BY DOL AND ISSUED  
FOR COMMENT ON 09/05/80. COMMENT RESOLUTION COMPLETED. TO BE INCLUDED IN PACKAGE BEING PREPARED  
FOR COMMISSION ACTION.  
ISSUES: NONE  
COMMISSION ACTION: REVIEW

I.C.7  
GREEN

NSSS VENDOR REVIEW OF OPERATING PROCEDURES (NRR) NRR,IE REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: PTRB/DHFS CONTACT: DON BECKHAM (X27741)  
OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
PURPOSE AND SCOPE: 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 (07/80), SEQUOYAH (07/80) AND SALEM (08/80).  
CURRENT STATUS: PTRB EVALUATING USEFULNESS OF VENDOR REVIEW. WILL ADDRESS VENDOR REVIEW IN GUIDANCE  
DEVELOPED AS INDICATED IN ITEM I.C.9.  
ISSUES: NONE

I.C.8  
GREEN

PILOT MONITORING OF SELECTED EMERGENCY PROCEDURES NRR,ADM,IE REVISED: 10/80  
FOR NTOL APPLICANTS (NRR)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: PTRB/DHFS CONTACT: DON BECKHAM (X27741)  
OTHER OFFICE/INDIVIDUAL: IE/D. WESSMAN, RESIDENT INSPECTORS; NRR/T. SPEIS  
PURPOSE AND SCOPE: 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 AS ORIGINAL.  
ACCOMPLISHMENTS: COMPLETED REVIEWS FOR SEQUOYAH (07/80), NORTH ANNA (07/80), AND SALEM (08/80). REVIEWS  
IN PROGRESS FOR FARLEY, MCGUIRE, DIABLO CANYON, AND LASALLE.  
CURRENT STATUS: EMERGENCY PROCEDURE GUIDELINES FOR WESTINGHOUSE PLANTS FOR SELECTED ACCIDENTS AND  
TRANSIENTS AND GE SYMPTOM ORIENTED GUIDELINES HAVE BEEN REVIEWED TO SUPPORT EMERGENCY PROCEDURE REVIEW.  
B&W AND GE GUIDELINES UNDER REVIEW. PLANT SPECIFIC REVIEWS PROCEEDING CONSISTENT WITH LICENSING SCHEDULE.  
ISSUES: AVAILABILITY OF PLANT SPECIFIC EMERGENCY PROCEDURES LIMITS WHEN REVIEWS CAN BEGIN.

I.C.9  
GREEN

LONG-TERM PLAN FOR UPGRADING OF PROCEDURES (NRR) NRR,IE,SD,RES REVISED: 10/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
COMMISSION(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: PTRB/DHFS CONTACT: DON BECKHAM (X27741)  
OTHER OFFICE/INDIVIDUAL: IE/D. WESSMAN; NRR/T. SPEIS  
PURPOSE AND SCOPE: TO DEVELOP A LONG-TERM PROGRAM THAT WILL INTEGRATE AND EXPAND ON CURRENT  
EFFORTS IN WRITING, REVIEWING, AND MONITORING OF PLANT PROCEDURES.  
SCHEDULE: (ORIGINAL) PLAN TO BE DEVELOPED BY (07/81). (CURRENT) PLAN TO BE DEVELOPED BY 07/81.  
IN CONJUNCTION WITH TRANSIENT AND ACCIDENT ANALYSIS REQUIRED IN ITEM I.C.1(3).  
ACCOMPLISHMENTS:  
CURRENT STATUS: CLARIFICATION LETTER ON SCOPE AND SCHEDULE HAS BEEN PREPARED AND ISSUED FOR COMMENT ON  
09/05/80. TO BE INCLUDED IN PACKAGE BEING PREPARED FOR COMMISSION ACTION.  
ISSUES: NONE  
COMMISSION ACTION: REVIEW

I.D.1  
GREEN

CONTROL ROOM DESIGN REVIEWS (NRR) NRR,ADM,IE REVISED: 11/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: 41024) RESPONSIBLE BRANCH/DIVISION: HFEB/DHFS CONTACT: RICHARD FROELICH (X28442)  
OTHER OFFICE/INDIVIDUAL: IE/R. WESSMAN  
PURPOSE AND SCOPE: DEVELOP GUIDELINES FOR INDUSTRY REVIEW OF CONTROL ROOM DESIGNS TO ENSURE IMPLEMENTATION  
OF HUMAN FACTORS, AND DEVELOP ACCEPTANCE CRITERIA FOR THE REVIEW AND CRITIQUE OF INDUSTRY REPORTS OF  
THEIR DESIGN REVIEWS.  
SCHEDULE: (ORIGINAL) INITIATION: FEB. 1980. DRAFT GUIDELINES JULY 1980. FINAL GUIDELINES SEPT. 1980. DRAFT  
ACCEPTANCE CRITERIA NOV. 1980. FINAL ACCEPTANCE CRITERIA MARCH 1981. (CURRENT) INITIATION: FEB. 1980. DRAFT  
GUIDELINES AUG. 1980. FINAL GUIDELINES FEB. 1981. DRAFT ACCEPTANCE CRITERIA NOT SCHEDULED.  
FINAL ACCEPTANCE CRITERIA JULY 1981.  
ACCOMPLISHMENTS: DRAFT GUIDELINES PUBLISHED AUGUST 4, 1980. COMMENT PERIOD CLOSED SEPT. 29, 1980.  
CURRENT STATUS: DRAFT GUIDELINES ARE UNDERGOING REVISION BASED ON COMMENTS.  
ISSUES: DETAILED CHECKLISTS FOR ACCOMPLISHING THE DESIGN REVIEW ARE NOT AVAILABLE AS YET.

I.D.2  
GREEN CONTROL ROOM DESIGN - PLANT SAFETY PARAMETER DISPLAY  
CONSOLE (NRR) NRR,IE REVISED: 10/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: 41029) RESPONSIBLE BRANCH/DIVISION: HFEB/DHFS CONTACT: LEO BELTRACCHI (X27233)  
OTHER OFFICE/INDIVIDUAL: TO BE DETERMINED  
PURPOSE AND SCOPE: 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 1, 1983. (CURRENT) SAME AS ORIGINAL  
ACCOMPLISHMENTS: NUREG 0696, "FUNCTIONAL CRITERIA FOR EMERGENCY RESPONSE FACILITIES", JULY 1980, CONTAINS FUNCTIONAL REQUIREMENTS FOR SPDS.  
CURRENT STATUS: REGIONAL WORKSHOPS ON NUREG 0696 ARE PLANNED FOR AUGUST 18-21. ALL LICENSEES HAVE BEEN INVITED TO THE WORKSHOPS. AT THE WORKSHOPS, THE STAFF WILL PRESENT AND DISCUSS THE CRITERIA, RECEIVE COMMENTS AND ANSWER QUESTIONS.  
ISSUES: TO BE RESOLVED IN REVISED NUREG 0696

I.D.3  
INACTIVE CONTROL ROOM DESIGN - SAFETY SYSTEM STATUS MONITORING (NRR) NRR REVISED: 10/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: 41030) RESPONSIBLE BRANCH/DIVISION: HFEB/DHFS CONTACT: SEYMOUR WEISS (X28285)  
OTHER OFFICE/INDIVIDUAL: OSD  
PURPOSE AND SCOPE: 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)  
ACCOMPLISHMENTS: NONE  
CURRENT STATUS:  
ISSUES: REVIEWS OF SUBMITTALS PRIOR TO SCHEDULED INITIATION OF NRR EFFORT. OSD REVISION OF REG. GUIDE 1.47.

I.G.1  
GREEN TRAINING REQUIREMENTS - PREOPERATIONAL AND LOW-POWER TESTING (NRR) NRR REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: PTRB/DHFS CONTACT: DONALD FISCHER (X28649)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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 AS ORIGINAL.  
ACCOMPLISHMENTS: TRAINING/TESTING COMPLETE ON 3 NTOL'S: NORTH ANNA 2, SEQUOYAH, AND SALEM.  
CURRENT STATUS: CURRENTLY WORKING ON 3 MORE NTOL'S: FARLEY, MCQUIRE, AND LASALLE.  
ISSUES: ALL NTOL'S THUS FAR HAVE BEEN PWR'S. A PROGRAM IS BEING DEVELOPED AND IMPLEMENTED FOR BWR'S.



I.G.2  
INACTIVE

SCOPE OF TEST PROGRAM - PREOPERATIONAL AND LOW-POWER

NRR,IE,SD

REVISED: 10/80

TESTING (NRR)

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: DHFS/PTRB

CONTACT: DONALD FISCHER (X28649)

OTHER OFFICE/INDIVIDUAL: IE/R. WESSMAN

PURPOSE AND SCOPE: 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 AS ORIGINAL.

ACCOMPLISHMENTS: N/A

CURRENT STATUS: N/A

ISSUES: N/A

NRR HAS 28 CHAPTER I ACTION ITEMS.

II.A.2 SITE EVALUATION OF EXISTING FACILITIES (NRR) NRR REVISED: 10/80  
INACTIVE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
COMMISSION(TACS: 5365) RESPONSIBLE BRANCH/DIVISION: SAB CONTACT: JAN NORRIS (X28437)  
OTHER BRANCHES/INDIVIDUAL: NOT IDENTIFIED YET  
PURPOSE AND SCOPE: 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. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: WORK SCOPE IS IN PROCESS OF PREPARATION.  
CURRENT STATUS: TAP II.A.1 HAS TO BE ESSENTIALLY COMPLETED BEFORE THIS CAN PROCEED. WORK PLANS ARE IN PLANNING STAGES.  
ISSUES: NONE TO DATE.

II.B.1 SAFETY REVIEW CONSIDERATION - REACTOR COOLANT NRR,ADM,IE REVISED: 11/80  
YELLOW SYSTEM VENTS (NRR)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI CONTACT: GERALD MAZETIS (X27359)  
OTHER OFFICE/INDIVIDUAL: NRR/G. ALBERTHAL  
PURPOSE AND SCOPE: TO VENT NONCONDENSIBLE GASES FROM THE REACTOR COOLANT SYSTEM.  
SCHEDULE: (ORIGINAL) INSTALL SYSTEM 01/81. (CURRENT) SUBMIT DESIGN & ANALYSES 07/81; INSTALL SYSTEM 01/82.  
ACCOMPLISHMENTS:  
CURRENT STATUS: FINAL CLARIFICATIONS AND SCHEDULES BEING PUBLISHED.  
ISSUES:

II.B.2 SAFETY REVIEW CONSIDERATION - PLANT SHIELDING TO PROVIDE NRR,IE,SD,ADM REVISED: 11/80  
YELLOW POST-ACCIDENT ACCESS TO VITAL AREAS (NRR)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(SEE (TACS: ) RESPONSIBLE BRANCH/DIVISION: RAB/DSI CONTACT: DOUG COLLINS (X27614)  
II.B.8) OTHER OFFICE/INDIVIDUAL: SD/D. PYATT; NRR/T. MURPHY, P. DIBENEDETTO, R. SERBU, F. SKOPEC  
PURPOSE AND SCOPE: 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) DOCUMENT RESULTS ANALYSIS (VITAL AREAS) 01/81; COMPLETE MODIFICATIONS (VITAL AREAS) 01/82; EQUIPMENT QUALIFICATION COMMISSION ORDER 01/81 DOCUMENT 6/82 MODIFICATION.  
ACCOMPLISHMENTS: CATEGORY A SERS, 3/80; CLARIFICATION LETTER DRAFT 09/80.  
CURRENT STATUS: A SIGNIFICANT RESEARCH EFFORT IS UNDERWAY AT RES TO INVESTIGATE THE RELEASE OF FISSION PRODUCTS FROM THE REACTOR CORE AND TO ASSESS THE PARTITIONING OF THE FISSION PRODUCTS IN VARIOUS LOCATIONS IN THE NUCLEAR POWER PLANT. NRR HAS SENT LETTERS TO ALL OPERATING AND NEAR-TERM OPERATING REACTORS REQUIRING AN EVALUATION OF THIS PROBLEM, USING A "TID 14844" SOURCE TERM. THESE STUDIES AND REPORTS DESCRIBING THEM ARE ALMOST COMPLETE. THE CURRENT SOURCE TERM FOR THE PROPOSED REGULATORY GUIDE IS BASED ON THE INTERIM RULE CHANGE TO 10 CFR 50.44, ITEM II.B.8.  
ISSUES: THE RESULTS OF THIS ARE CLOSELY TIED TO THE INTERIM AND FINAL RULEMAKING, ITEM II.B.8. IF THE SCHEDULE OF II.B.8 CHANGES, IT COULD IMPACT THE SCHEDULE OF THIS ITEM. LICENSEES ENCOUNTERED PROBLEMS IN MEETING 1/1/81 DATE BECAUSE OF EQUIPMENT UNAVAILABILITY (SUCH AS REMOTELY OPERATED VALVES).

II.B.3  
GREEN

SAFETY REVIEW CONSIDERATION - POST-ACCIDENT SAMPLING (NRR) NRR,IE,SD,ADM REVISED: 11/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI CONTACT: PHIL STODDART (X27682)  
OTHER OFFICE/INDIVIDUAL: NRR/D. BANGART, W. GAMMILL, D. COLLINS  
PURPOSE AND SCOPE: 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 OCRE TO REACTOR COOLANT AND/OR CONTAINMENT.  
SCHEDULE: (ORIGINAL) NUREG-0578 PUBLISHED 01/81. (CURRENT) NUREG-737 PUBLISHED 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-737, TO BE ISSUED WEEK OF 11/03/80.  
ISSUES:

II.B.4  
GREEN

SAFETY REVIEW CONSIDERATION - TRAINING TO MITIGATE CORE DAMAGE (NRR) NRR,IE REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: JOE MCMILLEN (X27476)  
OTHER OFFICE/INDIVIDUAL: IE/S. BRYAN  
PURPOSE AND SCOPE: 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 REVIEWS TO BE COMPLETED FEBRUARY 1981.  
ACCOMPLISHMENTS: PROGRAMS HAVE BEEN REVIEWED FOR NTOL PLANTS. PROGRAMS ARE IN EFFECT AT ALL OPERATING  
PLANTS AUGUST 1980. REVIEWS ARE BEING SCHEDULED.  
CURRENT STATUS: PROGRAMS ARE IN EFFECT AT ALL OPERATING PLANTS AS OF AUGUST 1980. OL APPLICATIONS WILL  
ADDRESS PROGRAMS IN FSAR.  
ISSUES: NONE

II.B.6  
YELLOW

SAFETY REVIEW CONSIDERATION - RISK REDUCTION FOR OPERATING REACTORS IN HIGH-POPULATION DENSITY AREAS (NRR) NRR,IE,RES REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI CONTACT: JAMES MEYER (X27943)  
OTHER OFFICE/INDIVIDUAL: NRR/S. ISRAEL, T. SPEIS  
PURPOSE AND SCOPE: TO DEFINE AND EVALUATE ACCIDENT MITIGATION AND ACCIDENT PREVENTION FEATURES THAT  
WILL SATISFY THE TASK OBJECTIVE, NAMELY THAT OF SIGNIFICANTLY REDUCING RISK FROM DEGRADED CORE  
OR CORE MELT ACCIDENTS AT HIGH POP. SITES. LIMITED TO ZION & I.P.  
SCHEDULE: (ORIGINAL) DECISION ON DESIGN CRITERIA AND BASES - 07/80. (CURRENT) DECISION ON REQUIREMENT  
FOR FEATURES - 12/80.  
ACCOMPLISHMENTS: TECHNOLOGY EXCHANGE (WITH UTILITIES) MEETINGS COMPLETED 06/80.  
CURRENT STATUS: STAFF REPORT ON WHETHER FEATURES WILL SIGNIFICANTLY REDUCE RISK, AND IF SO, WHAT ARE  
THE FUNCTIONAL REQUIREMENTS IS IN PREPARATION. REVIEW OF OSP-PAS EVALUATION OF Z/IP IS IN PROGRESS.  
ISSUES: UTILITY INPUT (ZION/INDIAN POINT) IN THE FORM OF A FINAL REPORT WILL BE DELAYED FROM 10/80 TO 1/81.

II.B.7 SAFETY REVIEW CONSIDERATION - ANALYSIS OF HYDROGEN CONTROL (NRR) NRR,SD REVISED: 10/80  
 INACTIVE (SEE II.B.8) \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
 (TACS: 42848) RESPONSIBLE BRANCH/DIVISION: CSB/DSI CONTACT: CHARLES TINKLER (X29421)  
 OTHER OFFICE/INDIVIDUAL: RSB/J. LONG  
 PURPOSE AND SCOPE: 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)  
 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 COMPLETED 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:

II.C.3 RISK ASSESSMENT - SYSTEMS INTERACTION (NRR) NRR,IE,SD,RES,ADM REVISED: 10/80  
 YELLOW \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
 (TACS: 42044) RESPONSIBLE BRANCH/DIVISION: SIB/NRR CONTACT: JOHN STOLZ (X27391)  
 OTHER OFFICE/INDIVIDUAL: NRR/THADANI, KNIEL  
 SD/NORBERG  
 PURPOSE AND SCOPE: DEVELOP METHODOLOGY FOR SYSTEMS INTERACTION (SI) ANALYSIS OF LWR'S; AND THE REGULATORY GUIDANCE FOR USE BY STAFF & INDUSTRY IN SI EVALUATIONS 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 4/1/81. REGULATORY GUIDANCE FROM A-17 STUDIES DRAFT BY 12/80; REG. GUIDE BY 6/81. (CURRENT) DIABLO CANYON INDUCED SI STUDIES; SER ISSUANCE 10/80; ACRS 11/80; F.P. 3/81 INDIAN POINT 3 SI REVIEW: START 10/80; LICENSEE STUDIES COMPLETE 4/81; SER 9/81 REGULATORY GUIDANCE - (NONE FROM A-17); INTERIM GUIDANCE FROM REG. GUIDANCE DEVELOPMENT TASK; DRAFT 7/81; INTERIM GUIDANCE 10/81.  
 ACCOMPLISHMENTS: DEVELOP TECH ASSISTANCE PROGRAM THROUGH FY 82 - ISSUED JUNE 80; REVISED 8/12/80. AUTHORIZED TECH ASSISTANCE EFFORT FY 80 ON DIABLO CANYON & STATE-OF-ART ON SI; 7/8/80. INITIATE INDIAN POINT 3 SI EFFORT; INITIAL MEETING WITH LICENSEE 7/24/80. ISSUED DIABLO CANYON SI SER-10/80.  
 CURRENT STATUS: THREE LABS (LLL, BNL, BCL) CONDUCTING FY 80 STATE-OF-ART STUDIES ON SI FROM WHICH SEVERAL METHODOLOGIES CAN BE DEVELOPED FOR NEAR TERM USE (MID FY 81) BY STAFF INDUSTRY; FINAL REPORTS DUE 11/10/80. SER TO BE ISSUED ON DIABLO CANYON STUDIES BEFORE 10/1/80 FOR USE AT OCT. 80 ACRS MEETING. TECH. ASSISTANCE RFP CONTRACTS FOR FY 81-82 SUBMITTED TO PROGRAM SUPPORT IN 09/80, AWAITING TRANSMITTAL TO LABS - WORK INVOLVES I.P. #3 SI REVIEWS; DEVELOPMENT OF SI REG GUIDANCE; AND STARTING PILOT SI REVIEWS OF SELECTED LWR PLANTS.  
 ISSUES: EXPECT DIFFICULTIES ESTABLISHING CONSENSUS REGARDING SI DEFINITIONS & CRITERIA; AND METHODS THAT CAN SYSTEMATICALLY PICK UP ACTUAL OPERATING OCCURRENCES INVOLVING SI. RELATED SANDIA EFFORT ON A-17 NOT PROGRESSING TOWARDS RESOLUTION; FAULT FREE METHODOLOGY NEEDS REVIEW TO DETERMINE FEASIBILITY OF REFLECTING A RANGE OF ACTUAL SI OPERATING OCCURRENCES; PROGRAM SUPPORT DELAYS IS PRESENTLY RFP'S FOR FY 81 & FY 82 TO THE LABS.

II.C.4 RISK ASSESSMENT - RELIABILITY ENGINEERING (NRR) NRR,RES REVISED: 10/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RRAB/DST CONTACT: ASHOK THADANI (X28090)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: NRR WILL DEVELOP CRITERIA AND PROCEDURES TO APPLY RELIABILITY ENGINEERING PRACTICES TO NUCLEAR PLANT ACTIVITIES ON A COMPREHENSIVE AND CONSISTENT BASIS. ULTIMATELY, RELIABILITY ASSURANCE PROGRAM REQUIREMENTS WILL BE PROMULGATED BY SD IN A NEW REGULATORY GUIDE.  
 SCHEDULE: (ORIGINAL) FY 1982 - SCHEDULE DEPENDENT ON AVAILABILITY OF RESOURCES. (CURRENT) N/A  
 ACCOMPLISHMENTS: N/A  
 CURRENT STATUS: N/A  
 ISSUES: INITIATION OF THIS ACTION ITEM DEPENDS UPON THE AVAILABILITY OF RESOURCES.



II.D.1  
YELLOW

COOLANT SYSTEM VALVES - TESTING REQUIREMENTS (NRR)

REVISED: 10/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 1

(TACS: 41068) RESPONSIBLE BRANCH/DIVISION: EPLB, EPPO CONTACT: FRANK PAGANO (X27846)

OTHER OFFICE/INDIVIDUAL: NRR/E. HEMMINGER, R. LAGRANGE

PURPOSE AND SCOPE: APPLICANTS & LICENSEES TO CONDUCT TESTING TO QUALIFY REACTOR COOLANT RELIEF AND SAFETY VALVES 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. (CURRENT) SAME AS ORIGINAL PLUS A REQUIREMENT FOR VERIFICATION OF PWR-PORV BLOCK VALVE FUNCTIONABILITY BY 07/82 HAS BEEN SENT TO D. EISENHUT FOR ISSUANCE TO PWR LICENSEES & NTOL'S.

ACCOMPLISHMENTS: A) REVIEW AND COMMENTS ON GENERIC TESTS PROGRAMS - (PWR'S (EPRI PROGRAM) - 08/80 (NRC-EPRI MEETING) BRW'S (BWR OWNERS) - ESTIMATE 10/80. B) REQUIREMENTS FOR VERIFICATION OF PORV BLOCK VALVE FUNCTIONABILITY AND PLANT SPECIFIC DOCUMENTATION SUBMITTAL DATES FOR SAFETY AND RELIEF VALVES AND ASSOCIATED PIPING WERE SENT TO D. EISENHUT FOR TRANSMITTAL TO LICENSEES AND NTOL'S 8-1-80.

CURRENT STATUS: THE EPRI PROGRAM PLAN FOR TESTING OF PWR SAFETY AND RELIEF VALVES HAS BEEN SUBMITTED AND IS BEING REVIEWED FOR COMMENTS. THESE COMMENTS WILL BE DISCUSSED AND PRESENTED TO EPRI BY THE NRC SAFETY AND RELIEF VALVE REVIEW GROUP DURING A MEETING SCHEDULED FOR AUGUST 12, 1980. THE BWR OWNERS HAVE COMMITTED TO LOW PRESSURE LIQUID TESTING OF SAFETY AND RELIEF VALVES, AND ARE EVALUATING THE NEED FOR HIGH PRESSURE LIQUID AND TWO PHASE FLOW TESTING. THE RESULTS OF THIS EVALUATION WILL BE PRESENTED TO THE NRC SAFETY AND RELIEF VALVE REVIEW GROUP AT A MEETING SCHEDULED FOR AUGUST 27, 1980. IT HAS BEEN AGREED THAT, SHOULD HIGH PRESSURE LIQUID AND TWO PHASE FLOW TESTING BE REQUIRED, IT COULD BE INCORPORATED INTO THE TEST PROGRAM AND COMPLETED BY JULY 1981, PROVIDED THAT THE OWNERS GROUP RECEIVES A FINAL POSITION ON THE NEED FOR SUCH TESTING FROM THE NRC BY NO LATER THAN OCTOBER 1, 1980.

ISSUES: THE PRIMARY PROBLEM AS OF 8/11/80 IS THAT THE SCHEDULE FOR PWR VALVE TESTING APPEARS TIGHT AND COMPLETION BY JULY 1, 1981 IS QUESTIONABLE.

II.D.3  
REQMENT

COOLANT SYSTEM VALVES - VALVE POSITION INDICATION (NRR)

NRR,IE

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: ICSB/DSI CONTACT: JACK ROSENTHAL (X29434)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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: RECOMMENDATIONS ARE BEING IMPLEMENTED ON OL'S PRIOR TO POWER OPERATIONS ACCORDING TO REVIEW SCHEDULES.

ISSUES: SEVERAL LICENSEES ARE HAVING DIFFICULTY DEMONSTRATING ENVIRONMENTAL QUALIFICATION. COMPLETION OF SOME DEMONSTRATIONS MAY BE DELAYED AS LONG AS ONE YEAR.

II.E.1.1  
YELLOW

AUXILIARY FEEDWATER SYSTEM EVALUATION (NRR)

NRR,IE,RES

REVISED: 10/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 1

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: ASB/DSI CONTACT: OLAN PARR (X27931)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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 - ZION 1&2 - 05/80, INDIAN POINT 2 - 05/80, INDIAN POINT 3 - 06/80, D.C. COOK - 08/80, SEQUOYAH 1&2 - 07/80, H. B. ROBINSON - 08/80, SALEM 1&2 - 07/80, NORTH ANNA 1&2 - 06/80, FARLEY 1&2 - 09/80, TROJAN - 09/80, SURREY 1&2 - 10/80.

CURRENT STATUS: POINT BEACH IS IN DRAFT.

ISSUES: DIABLO CANYON, SUMMER, MCGUIRE AND SAN ONOFRE 2&3 RELIABILITY EVALUATIONS ARE BEING PERFORMED BY SANDIA. DATES ARE SHORT AND SAN ONOFRE HAS NOT SUPPLIED REQUIRED INFORMATION.

II.E.1.2  
YELLOW

AUXILIARY FEEDWATER SYSTEM AUTOMATIC INITIATION AND FLOW INDICATION (NRR)

NRR

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: ICSB/DSI CONTACT: DALE THATCHER (X29426)  
OTHER OFFICE/INDIVIDUAL: NRR/R. KENDALL, W. LEFAVE  
PURPOSE AND SCOPE: 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 - 01/81. (CURRENT) RESPONSES  
FROM LICENSEES DUE 10/80. FINAL COMPLETION DATE 05/81.  
ACCOMPLISHMENTS: SERS COMPLETE FOR SIX ORS AND THREE NTOLS.  
CURRENT STATUS: REVIEW OF NTOL AND OR SUBMITTALS BY ICSB AND FRANKLIN RESEARCH CENTER IN PROGRESS.  
ISSUES: INCOMPLETE LICENSEE SUBMITTALS.

II.E.1.3 UPDATE STANDARD REVIEW PLAN AND DEVELOP REGULATORY GUIDE (NRR) NRR REVISED: 11/80  
GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY -  
(TACS: 40047) RESPONSIBLE BRANCH/DIVISION: ASB/DSI CONTACT: WILLIAM LEFAVE (X28298)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: REVISE SRP 10.4.9 TO INCLUDE LESSONS LEARNED RECOMMENDATIONS - B&O TASK FORCE RECOMMENDATIONS.  
SCHEDULE: (ORIGINAL) NONE (CURRENT) MARCH 1ST COMPLETION DATE FOR SRP REV. (SAME AS ALL SRP'S) NO SCHEDULE FOR R.G.  
ACCOMPLISHMENTS: SUMMARIZED CHANGES TO SRP, FORWARDED TO D. SKOVOLT & LOU RIANI.  
CURRENT STATUS: REVISIONS IN PROGRESS - NOT HIGH PRIORITY SINCE II.E.1.1 AND II.E.1.2 HAVE IMPLEMENTED  
REQUIREMENTS FOR OR'S AND OL'S.  
ISSUES: NONE AT PRESENT.

II.E.2.1 RELIANCE ON THE EMERGENCY CORE COOLING SYSTEM (ECCS) (NRR) NRR REVISED: 11/80  
INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI CONTACT: NORMAN LAUBEN (X27589)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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) (CURRENT)  
ACCOMPLISHMENTS:  
CURRENT STATUS: DELAYED UNTIL 1982 WHEN RESOURCES SHOULD BECOME AVAILABLE.  
ISSUES:

II.E.2.3 UNCERTAINTIES IN ECCS PERFORMANCE PREDICTIONS (NRR) NRR.ADM REVISED: 11/80  
INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI CONTACT: NORMAN LAUBEN (X27589)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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) (CURRENT)  
ACCOMPLISHMENTS:  
CURRENT STATUS: DELAYED UNTIL 1982 WHEN RESOURCES SHOULD BECOME AVAILABLE.  
ISSUES:

- II.E.3.1 COMPLETE DECAY HEAT REMOVAL - RELIABILITY OF POWER SUPPLIES FOR NATURAL CIRCULATION (NRR) NRR,IE REVISED: 11/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: PSB/DSI CONTACT: FAUST ROSA (X27122)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: 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) SAME AS ORIGINAL AND, 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: SAME AS CURRENT SCHEDULE.  
 ISSUES: NONE
- II.E.3.2 YELLOW DECAY HEAT REMOVAL -- SYSTEMS RELIABILITY (NRR) NRK,RES REVISED: 11/80  
 \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
 (TACS: 43187) RESPONSIBLE BRANCH/DIVISION: RSB/DSI CONTACT: BRIAN SHERON (X27460)  
 OTHER OFFICE/INDIVIDUAL: RES/M. TAYLOR; NRR/A. MARCHESI  
 PURPOSE AND SCOPE: 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.  
 SCHEDULE: (ORIGINAL) COMPLETE STUDIES 08/82. (CURRENT) DEVELOP CRITERIA FOR DESIGN ACCEPTABILITY 02/80. COMPLETE STUDIES (UNDECIDED).  
 ACCOMPLISHMENTS: INITIATED WORK ON DEVELOPMENT OF ACCEPTANCE CRITERIA FOR DHR RELIABILITY. INITIATED WORK TO DEFINE DETAILED WORK SCOPE & EFFORT.  
 CURRENT STATUS: WORK TO ACCOMPLISH ITEMS IDENTIFIED ABOVE ONGOING.  
 ISSUES: MANPOWER REQUIREMENTS NECESSARY TO COMPLETE WORK ON ORIGINAL SCHEDULE REDUCED AND DIVERTED TO HIGHER PRIORITY LICENSING TASKS. ORIGINALLY ESTIMATED COMPLETION DATE OF 08/82 WILL PROBABLY BE DELAYED.
- II.E.3.3 INACTIVE COORDINATED STUDY OF SHUTDOWN HEAT REMOVAL REQUIREMENTS (NRR) NRR REVISED: 10/80  
 \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
 (TACS: 40042) RESPONSIBLE BRANCH/DIVISION: DSI/SPEB CONTACT: RICHARD LOBEL (X27463)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: 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.  
 SCHEDULE: (ORIGINAL) (1) DEVELOP OBJECTIVES IN CONJUNCTION WITH ACRS 11/80; (2) PERFORM RISK ASSESSMENT 7/1/81; (3) STUDY ALTERNATIVE CONCEPTS AND MAKE RECOMMENDATION 12/31/82. (CURRENT) SAME AS ORIGINAL.  
 ACCOMPLISHMENTS: EFFORT HAS NOT YET STARTED.  
 CURRENT STATUS: EFFORT HAS NOT YET STARTED.  
 ISSUES: NONE IDENTIFIED.

- II.E.4.1  
GREEN
- CONTAINMENT DESIGN - DEDICATED PENETRATIONS (NRR) NRR,IE REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: CSB/DSI CONTACT: MEL FIELDS (X29417)  
 OTHER OFFICE/INDIVIDUAL:
- PURPOSE AND SCOPE: 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. (CURRENT) IMPLEMENT DESIGN CHANGES FOR OPERATING PLANTS - 07/81. IMPLEMENT DESIGN CHANGES FOR OLS - 07/81 OR PRIOR TO POWER OPERATION.
- ACCOMPLISHMENTS: PRELIMINARY CLARIFICATION LETTER SENT TO ALL ORS AND OLS ON SEPTEMBER 5, 1980 PROVIDED SCHEDULE CHANGES. REGIONAL MEETINGS DURING WEEK OF SEPTEMBER 22, 1980 CLARIFIED REQUIREMENTS.
- CURRENT STATUS: PREPARING FINAL CLARIFICATION LETTER DUE OUT IN LATE OCTOBER 1980.
- ISSUES: NONE
- 
- II.E.4.2  
GREEN
- CONTAINMENT DESIGN- ISOLATION DEPENDABILITY (NRR) NRR,IE,SD,ADM REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: CSB/DSI CONTACT: MEL FIELDS (X29417)  
 OTHER OFFICE/INDIVIDUAL: NRR/J. SHAPAKER; OSD/T. SCARBROUGH
- PURPOSE AND SCOPE: DEVELOP AND ISSUE REVISION 1 TO REGULATORY GUIDE 1.141 ENDORSING ANS-56.2/ANSI N271-1976 AND SPECIFYING REQUIREMENTS FOR THREE DIVERSE CONTAINMENT ISOLATION SIGNALS (I.E. ESF ACTUATION, CONTAINMENT PRESSURE, AND CONTAINMENT RADIATION).
- SCHEDULE: (ORIGINAL) ISSUE EFFECTIVE REV. 1 TO R.G. 1.141 - 07/80. (CURRENT) ISSUE EFFECTIVE REV. 1 TO R.G. 1.141 - 12/80; ISSUE REV. 2 TO R.G. 1.141 - 12/81.
- ACCOMPLISHMENTS: PRELIMINARY CLARIFICATION LETTER SENT TO ALL ORS AND OLS 09/80 PROVIDED SCHEDULE CHANGES. REGIONAL MEETINGS DURING WEEK OF 09/22/80 CLARIFIED REQUIREMENTS.
- CURRENT STATUS: CURRENTLY REV. 1 TO R.G. 1.141 IS ON HOLD PENDING RESOLUTION OF NRR CONCERN ON THE IMPLEMENTATION SECTION OF THE REGULATORY GUIDE. CSB/NRR IS TO HELP OSD PREPARE A MATRIX WHICH WOULD REPRESENT PROPOSED IMPLEMENTATION REQUIREMENTS FOR EACH POSITION OF THE REGULATORY GUIDE FOR EACH CLASS OF PLANT (E.G., CP'S, OL'S, OPERATING PLANTS, ETC.). PREPARING FINAL CLARIFICATION LETTER DUE OUT IN LATE 10/80.
- ISSUES:
- 
- II.E.4.3  
INACTIVE
- CONTAINMENT DESIGN - INTEGRITY CHECK (NRR) NRR REVISED: 10/80  
 \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: CSB/DSI CONTACT: JOHN KUDRICK (X29415)  
 OTHER OFFICE/INDIVIDUAL: NRR/J. SHAPAKER
- PURPOSE AND SCOPE: 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. (CURRENT) SAME AS ORIGINAL.
- ACCOMPLISHMENTS: STATEMENT OF SAFETY RATIONALE WRITTEN 09/24/80.
- CURRENT STATUS: IN THE NRR PRIORITY LISTING OF THE TMI ACTION PLAN ITEMS, ITEM II.E.4.3, IS A LOWER PRIORITY ITEM AND WILL BE ADDRESSED CONTINGENT ON STAFF MANPOWER AVAILABILITY. SINCE ADMINISTRATIVE MEASURES ARE IN PLACE TO ASSURE PROPER VALVE ALIGNMENT, AND SINCE II.E.4.3 DOES NOT STEM DIRECTLY FROM THE TMI-2 EXPERIENCE, II.E.4.3 HAS BEEN GIVEN A LOWER PRIORITY RATING AND WILL BE ADDRESSED LATER.
- ISSUES: NONE



II.E.4.4 CONTAINMENT DESIGN - PURGING (NRR) NRR REVISED: 10/80  
GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CSB/DSI CONTACT: JAMES SHAPAKER (X29416)  
OTHER OFFICE/INDIVIDUAL: NRR/J. ZUDANS, W. PASEDAG, J.T. BEARD  
PURPOSE AND SCOPE: TO RE-EVALUATE THE ACCEPTABILITY OF PURGING/VENTING NUCLEAR PLANT CONTAINMENTS  
DURING THE REACTOR OPERATING MODES OF STARTUP, POWER OPERATION, HOT STANDBY, HOT SHUTDOWN.  
SCHEDULE: (ORIGINAL) ISSUE MODIFIED PURGING/VENTING REQUIREMENTS BASED ON RESULTS OF STUDIES BY DECEMBER  
1981 AND IMPLEMENT BY DECEMBER 1982. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: CONTRACT WITH LLNL INITIATED BY CSB 08/07/80.  
CURRENT STATUS: THE CONCERNS OF II.E.4.4 ARE BEING ADDRESSED BY SEVERAL NRR BRANCHES UNDER DOR GENERIC  
TASK B-24 (E. A. REEVES, LEAD PROJECT MANAGER): VALVE OPERABILITY (EQB); ELECTRICAL CONTROLS (ORAB);  
RADIOLOGICAL CONSEQUENCES (AEB); SYSTEM DESIGN AND OPERATIONAL ASPECTS (CSB). ALL OR PLANTS BEING  
EVALUATED TO ASSURE UNIFORM APPLICATION OF PURGE/VENT CRITERIA, AND THEREBY ACHIEVE IMPROVEMENT IN  
SAFETY. SIMILAR EFFORT IN CP/OL APPLICATIONS.  
ISSUES: POSITION PAPER ON PURGE/VENT SYSTEM USAGE BEING DEVELOPED BY CSB.

II.E.5.1 DESIGN EVALUATION OF B&W REACTORS (NRR) NRR REVISED: 11/80  
YELLOW \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(TACS: 03761) RESPONSIBLE BRANCH/DIVISION: RSB/DSI CONTACT: WALTON JENSEN (X29459)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: TO REDUCE THE SENSITIVITY OF B&W PLANTS TO FEEDWATER TRANSIENTS, WITH EMPHASIS  
ON THE OVERCOOLING TRANSIENTS OBSERVED AT B&W PLANTS.  
SCHEDULE: (ORIGINAL) RESPONSES RECEIVED & UNDER REVIEW 09/80. (CURRENT) RESPONSES TO BE REVIEWED  
IN CONCERT WITH II.E.5.2 FOR EVENTUAL IMPLEMENTATION 09/81.  
ACCOMPLISHMENTS: RESPONSES TO 10/25/79 ORDERS RECEIVED.  
CURRENT STATUS: FURTHER IMPLEMENTATION AWAITING OUTCOME OF STAFF REVIEW OF II.E.5.2.  
ISSUES: INSUFFICIENT RESOURCES AVAILABLE INHOUSE. TECHNICAL ASSISTANCE HAS BEEN INITIATED WITH ANL  
TO PERFORM REVIEW (FIN A2114). CURRENT PROJECTED COMPLETION DATE IS SEPTEMBER 1981.

II.E.5.2 B&W REACTOR TRANSIENT RESPONSE TASK FORCE (NRR) NRR REVISED: 11/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: BOB REID (X27381)  
OTHER OFFICE/INDIVIDUAL: NRR/R. S. BAER  
PURPOSE AND SCOPE: 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. DIVISION OF SAFETY TECHNOLOGY REVIEW 08/80. ISSUE IMPLEMENTATION REQUIREMENTS TO LICENSEES 12/80.  
ACCOMPLISHMENTS: SAME AS CURRENT SCHEDULE.  
CURRENT STATUS: THE DIVISION OF LICENSING IS PREPARING AN IMPLEMENTATION PACKAGE FOR TRANSMITTAL  
TO LICENSEES. THE IMPLEMENTATION IS BEING RECONCILED WITH THE IMPLEMENTATION OF ACTION ITEMS  
OF NUREG-0660 AND OTHER NRC REQUIREMENTS CURRENTLY BEING IMPLEMENTED FOR OPERATING REACTORS.  
THE REVIEW BY DST EXPANDED CERTAIN OF THE RECOMMENDATIONS TO INCLUDE REACTORS OF OTHER VENDORS  
INCLUDING BWRS.  
ISSUES:

II.E.6 IN SITU TESTING OF VALVES - TEST ADEQUACY STUDY (NRR) NRR REVISED: 10/80  
INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY -  
(TACS: 42416) RESPONSIBLE BRANCH/DIVISION: EQB/DE CONTACT: JOHN ZUDANS (X27363)  
OTHER OFFICE/INDIVIDUAL: NRR/F. CHERNY  
PURPOSE AND SCOPE: PURPOSE OF THIS PROGRAM IS TO ESTABLISH THE ADEQUACY OF CURRENT REQUIREMENTS FOR VALVE  
TESTING IN PROVIDING ASSURANCE OF VALVE FUNCTIONS. SCOPE WILL BE LIMITED TO SAFETY-RELATED VALVES.  
SCHEDULE: (ORIGINAL) INITIATION DATE IS EXPECTED BEGINNING OF FY-81. COMPLETION IS ANTICIPATED END OF FY-82.  
(CURRENT) SAME AS ORIGINAL SCHEDULE.  
ACCOMPLISHMENTS: NONE  
CURRENT STATUS: PROPOSED PLAN IS TO CONTRACT FOR THIS WORK DURING FY 81-82. THE DETAILED SCOPE OF WORK  
IS PRESENTLY BEING DEFINED.  
ISSUES: NONE

II.F.1(3) ADDITIONAL ACCIDENT MONITORING INSTRUMENTATION (NRR) NRR,IE,ADM REVISED: 11/80  
YELLOW (CONTAINMENT RADIATION MONITOR)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RAB/DSI CONTACT: DOUG COLLINS (X27614)  
OTHER OFFICE/INDIVIDUAL: NRR/S. BLOCK, C. HENSON, P. STODDARD, B. MORRIS  
PURPOSE AND SCOPE: 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) DOCUMENT  
DESCRIPTION OF MONITORS 07/81; INSTALL MONITORS 01/82.  
ACCOMPLISHMENTS: CATEGORY A SERS, 03/80; CLARIFICATION LETTER 09/80.  
CURRENT STATUS: CHANGES OF SCHEDULE PROPOSED TO COMMISSION. CONTRACT TO PERFORM REVIEWS TO BE SENT FOR  
APPROVAL 10/80.  
ISSUES: THERE ARE NO QUALIFIED MONITORS. VENDORS OF MONITORS EXPECT QUALIFICATION BY EARLY NEXT YEAR.  
VENDOR DELIVERIES THRU 07/81 UNLESS THEY HAVE EQUIPMENT PROCUREMENT PROBLEMS, WHICH WOULD DELAY  
DELIVERIES.

II.F.1(4) ADDITIONAL ACCIDENT MONITORING INSTRUMENTATION (NRR) NRR,IE,ADM REVISED: 11/80  
GREEN (CONTAINMENT PRESSURE MONITOR)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: DSI CONTACT: JAMES SHAPAKER (X29416)  
OTHER OFFICE/INDIVIDUAL: ICSB/W. MORRIS  
PURPOSE AND SCOPE: TO IMPROVE PLANT CAPABILITY FOR POST-ACCIDENT MONITORING.  
SCHEDULE: (ORIGINAL) IMPLEMENTATION OF REQUIREMENTS BY 01/81 FOR LICENSEES AND NEW OPERATING  
LICENSES, AND BEFORE OL ISSUANCE AFTER 11/81. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: LETTER ISSUED TO LICENSEES AND APPLICANTS 09/05/80 ON PRELIMINARY CLARIFICATION  
OF TMI ACTION PLAN REQUIREMENTS; REGIONAL MEETINGS HELD WEEK OF 09/22/80 TO DISCUSS REQUIREMENTS.  
CURRENT STATUS: BASED ON THE DISCUSSIONS WITH LICENSEES AND APPLICANTS AT THE REGIONAL MEETINGS,  
THE CLARIFICATION OF TMI ACTION PLAN REQUIREMENTS WILL BE FINALIZED BY MID-OCTOBER 1980 AND  
TRANSMITTED TO LICENSEES AND APPLICANTS.  
ISSUES: NONE

- II.F.1(5) ADDITIONAL ACCIDENT MONITORING INSTRUMENTATION (NRR) NRR,IE,ADM REVISED: 11/80  
 GREEN (CONTAINMENT WATER LEVEL MONITOR)  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: DSI CONTACT: J. SHAPAKER (X29416)  
 OTHER OFFICE/INDIVIDUAL: ICSB/W. MORRIS  
 PURPOSE AND SCOPE: TO IMPROVE PLANT CAPABILITY FOR POST-ACCIDENT MONITORING.  
 SCHEDULE: (ORIGINAL) IMPLEMENTATION OF REQUIREMENTS BY 01/81 FOR LICENSEES AND NEW OPERATING  
 LICENSES, AND BEFORE OL ISSUANCE AFTER 01/01/81. (CURRENT) SAME AS ORIGINAL.  
 ACCOMPLISHMENTS: LETTER ISSUED TO LICENSEES AND APPLICANTS 09/05/80 ON PRELIMINARY CLARIFICATION  
 OF TMI ACTION PLAN REQUIREMENTS; REGIONAL MEETINGS HELD WEEK OF 09/22/80 TO DISCUSS REQUIREMENTS.  
 CURRENT STATUS: BASED ON THE DISCUSSIONS WITH LICENSEES AND APPLICANTS AT THE REGIONAL MEETINGS,  
 THE CLARIFICATION OF TMI ACTION PLAN REQUIREMENTS WILL BE FINALIZED BY MID-OCTOBER 1980 AND  
 TRANSMITTED TO LICENSEES AND APPLICANTS.  
 ISSUES: NONE
- II.F.1(6) ADDITIONAL ACCIDENT MONITORING INSTRUMENTATION (NRR) NRR,IE,ADM REVISED: 11/80  
 GREEN (CONTAINMENT HYDROGEN MONITOR)  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: DSI CONTACT: JAMES SHAPAKER (X29416)  
 OTHER OFFICE/INDIVIDUAL: ICSB/W. MORRIS  
 PURPOSE AND SCOPE: TO IMPROVE PLANT CAPABILITY FOR POST-ACCIDENT MONITORING.  
 SCHEDULE: (ORIGINAL) IMPLEMENTATION OF REQUIREMENTS BY 01/81 FOR LICENSEES AND NEW OPERATING  
 LICENSES, AND BEFORE OL ISSUANCE AFTER 01/01/81. (CURRENT) SAME AS ORIGINAL.  
 ACCOMPLISHMENTS: LETTER ISSUED TO LICENSEES AND APPLICANTS 09/05/80 ON PRELIMINARY CLARIFICATION  
 OF TMI ACTION PLAN REQUIREMENTS; REGIONAL MEETINGS HELD WEEK OF 09/22/80 TO DISCUSS REQUIREMENTS.  
 CURRENT STATUS: BASED ON THE DISCUSSIONS WITH LICENSEES AND APPLICANTS AT THE REGIONAL MEETINGS,  
 THE CLARIFICATION OF TMI ACTION PLAN REQUIREMENTS WILL BE FINALIZED BY MID-OCTOBER 1980 AND  
 TRANSMITTED TO LICENSEES AND APPLICANTS.  
 ISSUES: NONE
- II.F.2 IDENTIFICATION OF AND RECOVERY FROM CONDITIONS LEADING TO INADEQUATE CORE COOLING (NRR) NRR,IE REVISED: 11/80  
 GREEN TO INADEQUATE CORE COOLING (NRR)  
 COMMISSION\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: CPB/DSI CONTACT: LARRY PHILLIPS (X27140)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: TO ASSURE ADEQUACY OF SYSTEMS AND METHODS TO IDENTIFY AND PROVIDE RECOVERY  
 FROM CONDITIONS LEADING TO INADEQUATE CORE COOLING.  
 SCHEDULE: (ORIGINAL) (CURRENT)  
 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 THE TMI ACTION PLAN  
 CLARIFICATION LETTER).  
 ISSUES:  
 COMMISSION ACTION: REVIEW

II.F.4 STUDY OF CONTROL AND PROTECTION ACTION DESIGN REQUIREMENTS (NRR) NRR REVISED: 10/80  
INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ICSB/DSI CONTACT: RODNEY SATTERFIELD (X27635)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: TO ADDRESS THREE SPECIFIC RECOMMENDATIONS RELATED TO CONTROL  
AND PROTECTION OF SYSTEM DESIGNS. RECOMMENDATIONS WERE MADE BY SIG.  
SCHEDULE: (ORIGINAL) UNSPECIFIED. (CURRENT) INITIATE JAN.1982, COMPLETE JAN.1983  
ACCOMPLISHMENTS: NONE  
CURRENT STATUS: NO WORK HAS BEEN INITIATED. PRESENTLY NO MANPOWER IS AVAILABLE TO BEGIN THE  
ISSUES: NONE IDENTIFIED.

II.G.1 POWER SUPPLIES FOR PRESSURIZER RELIEF VALVES, BLOCK NRR,IE REVISED: 11/80  
COMPLETE VALVES, AND LEVEL INDICATIONS (NRR)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: PSB/DSI CONTACT: ROBERT FITZPATRICK (X28350)  
OTHER OFFICE/INDIVIDUAL: IE/M. KIDD; NRR/F. ROSA  
PURPOSE AND SCOPE: 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)  
SAME AS ORIGINAL SCHEDULE AND 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: SAME AS CURRENT SCHEDULES.  
ISSUES: NONE

II.H.1 MAINTAIN SAFETY OF TMI-2 AND MINIMIZE ENVIRONMENTAL IMPACT (NRR) NRR,IE REVISED: 10/80  
YELLOW \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: BERNIE SNYDER (X27347)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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)  
ISSUE A FINAL PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT - 02/81.  
ACCOMPLISHMENTS: ISSUED THE DRAFT PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT ON AUGUST 22, 1980.  
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  
IS SCHEDULED TO END ON NOVEMBER 20, 1980.  
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 HEARINGS NECESSARY.



II.H.3  
GREEN

EVALUATE AND FEEDBACK INFORMATION OBTAINED FROM TMI (NRR) NRR REVISED: 10/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: SAFER CONTACT: BERNIE SNYDER (X27347)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: NRR WILL EVALUATE THE RESEARCH AND ANALYSIS RESULTS FROM TMI CLEANUP PROGRAMS FOR SAFETY SIGNIFICANCE, REVISE REGULATORY PROGRAMS AS APPROPRIATE, ESTABLISH BACKFITTING AND 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 GOALS WILL BE MET AS CLEANUP AND EVALUATION OF TECHNICAL DATA PROCEED BETWEEN 1980 TO 1985.  
ACCOMPLISHMENTS: (1) COMPLETED PROCESSING AND DECONTAMINATION OF ALL OF THE TMI-2 ACCIDENT WASTE WATER IN THE TMI-2 AUXILIARY BUILDING TANKS AND SWMPS (05/80), (2) DECONTAMINATED THE TMI-2 REACTOR BUILDING ATMOSPHERE (06/80), AND (3) ACCOMPLISHED MAN ENTRIES INTO THE TMI-2 REACTOR BUILDING (07/80).  
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 IS SCHEDULED TO END ON NOVEMBER 20, 1980.  
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.

II.J.3.1  
GREEN

ORGANIZATION AND STAFFING TO OVERSEE DESIGN AND CONSTRUCTION (NRR) NRR REVISED: 11/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: 42061) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS CONTACT: JAMES SNELL (X28986)  
OTHER OFFICE/INDIVIDUAL: IE/W. REINMUTH, SD/H. ASHAR  
PURPOSE AND SCOPE: DEVELOP CRITERIA TO IMPROVE LICENSE APPLICANTS' OVERSIGHT OF DESIGN, CONSTRUCTION AND MODIFICATION ACTIVITIES.  
SCHEDULE: (ORIGINAL) CRITERIA - FOLLOW SCHEDULE I.B.1.1, PARTS (1)-(5). SD TO ISSUE RES. GUIDE FOR COMMENT BY 03/81 AND FINAL BY 08/81. (CURRENT) PROVIDE SD WITH DRAFT MATERIAL 12/80.  
ACCOMPLISHMENTS: NRR INHOUSE DRAFT CIRCULATING.  
CURRENT STATUS: INHOUSE NRR DRAFT BEING REVIEWED AND COMMENTED ON.  
ISSUES: WILL NEED NEW SECTION ON CONTRACTOR AND A/E RESPONSIBILITIES DURING CONSTRUCTION.

II.K.1  
YELLOW

MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) NRR REVISED: 11/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ORB/DSI CONTACT: BOB REID (X27381)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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: COMPLETION OF REVIEW OF RESPONSES TO BULLETINS HAS BEEN DELAYED BY HIGH PRIORITY EFFORTS.  
ISSUES:

II.K.2 COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR) NRR,IE REVISED: 11/80  
YELLOW \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: BOB REID (X27381)  
(SEE OTHER OFFICE/INDIVIDUAL:  
CURRENT PURPOSE AND SCOPE: COMPLETION OF REVIEW AND IMPLEMENTATION OF LONG-TERM ACTIONS RELATED TO THE  
STATUS) 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.  
ACCOMPLISHMENTS:  
CURRENT STATUS: 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 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 OTSG; 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: 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 BEC COMPLETED BY THE SCHEDULED DATE OF  
01/01/81.

II.K.3 FINAL RECOMMENDATIONS OF B&O TASK FORCE TO NRR REVISED: 11/80  
MITIGATE ACCIDENTS (NRR)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: BOB REID (X27381)  
(SEE OTHER OFFICE/INDIVIDUAL:  
CURRENT PURPOSE AND SCOPE: TO DEVELOP RECOMMENDATIONS FOR IMPROVING SAFETY BASED ON REVIEWS OF LOSS-OF-FEEDWATER  
STATUS) AND SMALL-BREAK LOSS OF COOLANT EVENTS ON PWRs.  
SCHEDULE: (ORIGINAL) (CURRENT)  
ACCOMPLISHMENTS:  
CURRENT STATUS: THIS ACTION PLAN HAS BEEN SUBDIVIDED INTO 57 SEPARATE ACTIONS. STATUS OF  
EACH OF THESE VARIES. ADMINISTRATIVE WORK TO TRACK EACH OF THESE IS IN PROGRESS.  
ISSUES:

II.K.3(14) FINAL RECOMMENDATIONS OF B&O TASK FORCE TO NRR REVISED: 11/80  
REQMENT MITIGATE ACCIDENTS (NRR)  
GREEN (ISOLATION CONDENSERS ON HIGH RADIATION)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CSB/DSI CONTACT: MEL FIELDS (X29417)  
(SEE OTHER OFFICE/INDIVIDUAL:  
CURRENT PURPOSE AND SCOPE: INCREASE THE AVAILABILITY OF THE ISOLATION CONDENSERS AS HEAT SINKS BY PROVIDING  
STATUS) 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) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: NONE  
CURRENT STATUS: AWAITING CONFIRMATION FROM THOSE OPERATING BWRs THAT POSSESS ISOLATION  
CONDENSERS THAT THE REQUIRED DESIGN MODIFICATIONS HAVE BEEN COMPLETED.  
ISSUES: NONE

- III.A.1.1  
GREEN
- UPGRADE EMERGENCY PREPAREDNESS (NRR) NRR,IE,SP,ADM REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: 42427) RESPONSIBLE BRANCH/DIVISION: EPLB, Eppo CONTACT: FRANK PAGANO (X27846)  
OTHER OFFICE/INDIVIDUAL: IE/J. WIGGINTON
- PURPOSE AND SCOPE: OBTAIN PROMPT UPGRADING OF EMERGENCY PREPAREDNESS AT AND AROUND ALL NUCLEAR POWER PLANTS.  
INSURE LICENSEE, STATE AND LOCAL EMERGENCY PLANS ARE INTEGRATED FOR OVERALL SITE EMERGENCY PREPAREDNESS.
- SCHEDULE: (ORIGINAL) SITE REVIEW PROGRAM FOR ALL OPERATING PLANTS AND NTOLS BEGAN SEPTEMBER 1979 AND WAS COMPLETED  
BY JULY 1980. (CURRENT) NEW LICENSEE EMERGENCY PLANS AS A RESULT OF THE SITE VISIT SCHEDULE ARE CURRENTLY BEING  
REVIEWED FOR ACCEPTABILITY. INTERIM EVALUATION REPORTS TO BE COMPLETED ON ALL OPERATING PLANTS BY APRIL 1981.
- ACCOMPLISHMENTS: NUREG-0654 PUBLISHED JANUARY 1980. FEMA/NRC MOU PUBLISHED JANUARY 1980. NUREG-0696  
PUBLISHED JULY 1980.
- CURRENT STATUS: SAFETY EVALUATION REPORTS (SER) WERE ISSUED ON 8 LOW POWER LICENSEES AND 2 FULL POWER  
LICENSEES. APPROXIMATELY 10-12 PLANTS WERE INSTRUCTED TO BEGIN IMPLEMENTATIONS OF NEW UPGRADED  
EMERGENCY PLAN.
- ISSUES:
- III.A.1.2  
GREEN
- UPGRADE LICENSEE EMERGENCY SUPPORT FACILITIES (NRR) NRR,SD,SP REVISED: 10/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: 41047) RESPONSIBLE BRANCH/DIVISION: EPDR, Eppo CONTACT: STEVE RAMOS (X27435)  
OTHER OFFICE/INDIVIDUAL: NRR/FRANK G. PAGANO, W. MINNERS, L. BELTRACCHI; OIE/B. WEISS  
RES/O. BASSETT
- PURPOSE AND SCOPE: EMERGENCY OPERATIONS WILL BE IMPROVED BY THE ESTABLISHMENT OF DEDICATED AREAS FOR COMMAND  
AND CONTROL, SUPPORT, AND COORDINATION OF ONSITE AND OFFSITE FUNCTIONS DURING REACTOR ACCIDENT SITUATIONS.
- SCHEDULE: (ORIGINAL) INITIATION SEPTEMBER 13, OCT. 30, AND APRIL 25, 1980-ESTABLISHED REQUIREMENTS 1/1/80 BASIC  
TSC/EOF IN PLACE 1/1/81 FULL TSC/EOF. SRP REVISED 12/80. (CURRENT) INITIATION 9/13/79. BASIC INSTALLATION  
1/1/80. SUBMIT DESIGN FOR APPROVAL 1/1/81. SPDS OPERATIONAL 1/1/82. ALL SUPPORT FACILITIES OPERATIONAL 4/1/82.
- ACCOMPLISHMENTS: NUREG-0696 "CRITERIA FOR EMERGENCY RESPONSE FACILITIES" PUBLISHED 7/80.
- CURRENT STATUS: NUREG-0696 OUT FOR COMMENTS. WILL BE FINALIZED OUT 1980. ALL FACILITIES REQUIRED TO HAVE  
IN PLACE RUDIMENTARY TSC/EOFS.
- ISSUES:
- III.A.1.3  
GREEN  
COMMISSION
- MAINTAIN SUPPLIES OF THYROID BLOCKING AGENT (KI) (NRR) NRR REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: 42428) RESPONSIBLE BRANCH/DIVISION: Eppo CONTACT: BRIAN GRIMES (X27415)  
OTHER OFFICE/INDIVIDUAL: NRR/FRANK G. PAGANO, S. RAMOS; RES/R. BLOND
- PURPOSE AND SCOPE: 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 REQUIREMENTS TO BE  
ISSUED.
- ACCOMPLISHMENTS: COMMISSION PAPER - SECY 80-257 FOR MAY 20, 1980.
- CURRENT STATUS: COMMISSION REQUESTED RESUBMITTAL OF SECY 80-257 TO INCLUDE COMMENTS OF THE ENDOCRINE  
SOCIETY. SECY 80-257A CURRENTLY AT OELD FOR CONCURRENCE.
- 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

III.A.2.2 DEVELOPMENT OF GUIDANCE AND CRITERIA (NRR) NRR REVISED: 10/80  
 GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
 (TACS: 42430) RESPONSIBLE BRANCH/DIVISION: EPLB, EPPD CONTACT: FRANK PAGANO (X27846)  
 OTHER OFFICE/INDIVIDUAL: NRR/STEVE RAMOS  
 PURPOSE AND SCOPE: NRC STAFF DEVELOPING GUIDANCE AND CRITERIA NEEDED FOR EXTENSIVE IMPROVEMENTS IN EMERGENCY  
 PREPAREDNESS AT NUCLEAR POWER PLANTS.  
 SCHEDULE: (ORIGINAL) ORIGINAL SCHEDULE WAS MET. (CURRENT) NUREG DOCUMENTS IN ACCOMPLISHMENTS ARE INTERIM AND WILL  
 BE REPUBLISHED IN EARLY 1981.  
 ACCOMPLISHMENTS: NUREG-0654 PUBLISHED JANUARY 1980. NUREG-0610 PUBLISHED SEPTEMBER 1979. NUREG-0696  
 PUBLISHED JULY 1980.  
 CURRENT STATUS: THESE NUREGS HAVE THREE DIFFERENT FUNCTIONS. NUREG-0610 FURNISHES EMERGENCY ACTION LEVEL  
 GUIDELINES. NUREG-0654 PURPOSE IS TO PROVIDE COMMON REFERENCE AND INTERIM GUIDANCE IN THE DEVELOPMENT  
 AND REVIEW OF STATE AND LOCAL GOVERNMENT AND LICENSEE EMERGENCY PLANS. NUREG-0696 PROVIDES THE FUNCTIONAL  
 CRITERIA FOR EMERGENCY RESPONSE FACILITIES.  
 ISSUES:

III.D.1.1 PRIMARY COOLANT SOURCES OUTSIDE THE CONTAINMENT STRUCTURE (NRR) NRR REVISED: 11/80  
 GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI CONTACT: VAL MALAFEEW/DICK BANGART (X28639)  
 OTHER OFFICE/INDIVIDUAL: NRR/V. MALAFEEW, W. GAMMILL, D. COLLINS  
 PURPOSE AND SCOPE: DEVELOP CRITERIA FOR USE IN LONG-TERM DEGRADED CORE RULEMAKING CONCERNING LEAKAGE  
 FROM SYSTEMS OUTSIDE CONTAINMENT THAT MAY CONTAIN HIGHLY RADIOACTIVE FLUIDS AFTER AN ACCIDENT  
 AND DESIGN FEATURES THAT WILL MINIMIZE LEAKAGE AND SERVICES OF RADIATION.  
 SCHEDULE: (ORIGINAL) NUREG-0660 PUBLISHED 09/80. (CURRENT) ISSUE CONTRACT 01/82.  
 ACCOMPLISHMENTS: LEAK RATE TESTING RESULTS OR TESTING COMMITMENTS TO SATISFY LESSONS LEARNED  
 SHORT-TERM RECOMMENDATION 2.1.6.A COMPLETED 01/01/80.  
 CURRENT STATUS: POTENTIAL NATIONAL LABORATORY CONTRACTORS ARE BEING EVALUATED TO DETERMINE THE  
 BEST QUALIFIED TO PERFORM THE SYSTEM LEAKAGE EVALUATION.  
 ISSUES:

III.D.1.2 RADIOACTIVE GAS MANAGEMENT (NRR) NRR, RES, ADM REVISED: 11/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI CONTACT: RICHARD BANGART (X27633)  
 OTHER OFFICE/INDIVIDUAL: NRR/W.GAMMILL, V. MALAFEEW,  
 PURPOSE AND SCOPE: 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) SAME AS ORIGINAL.  
 ACCOMPLISHMENTS: NONE  
 CURRENT STATUS: SAME AS ISSUE :  
 ISSUES: 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.



III.D.1.3 VENTILATION SYSTEM AND RADIOIODINE ADSORBER CRITERIA (NRR) NRR,IE,RES,ADM REVISED: 11/80  
GREEN  
\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI CONTACT: CHARLIE MILLER (X27641)  
OTHER OFFICE/INDIVIDUAL: NRR/B. SHERRY, W. GAMMILL, D. BANGART  
PURPOSE AND SCOPE: PROVISIONS WILL BE ESTABLISHED THROUGH LICENSEE EVALUATIONS AND NRC RESEARCH  
TO ASSURE THAT ADEQUATE FILTRATION OF RADIOACTIVITY IN VENTILATION EXHAUSTS OCCURS AND  
RADIOIODINE ADSORBER COLLECTION EFFICIENCIES ARE MAINTAINED.  
SCHEDULE: (ORIGINAL) INITIATE RADIOIODINE ADSORBER RESEARCH 10/80. EVALUATE NEED FOR LICENSEE  
REVIEW OF AIRBORNE RAD. MAT'L. CONTROL 09/30/82. REQUIRE LICENSEE TO UPGRADE FILTRATION  
SYSTEMS 09/30/82. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: RES ISSUED CONTRACT TO NAVAL RESEARCH LAB, 10/80, TO BEGIN STUDY OF WEATHERED  
CHARCOAL PERFORMANCE UNDER ACCIDENT CONDITIONS.  
CURRENT STATUS: SAME AS ACCOMPLISHMENTS  
ISSUES: N/A

III.D.1.4 RADWASTE SYSTEM DESIGN FEATURES TO AID IN ACCIDENT NRR,SD,ADM REVISED: 11/80  
INACTIVE RECOVERY AND DECONTAMINATION (NRR)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI CONTACT: RICHARD BANGART (X27633)  
OTHER OFFICE/INDIVIDUAL: NRR/W.GAMMILL  
PURPOSE AND SCOPE: NRR 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) ISSUE A CONTRACT TO INITIATE THE STUDY 10/81. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: NONE  
CURRENT STATUS: N/A  
ISSUES: N/A

III.D.2.1 RADIOLOGICAL MONITORING OF EFFLUENTS (NRR) NRR,SD,ADM REVISED: 11/80  
INACTIVE  
\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI CONTACT: PHIL STODDART (X27682)  
OTHER OFFICE/INDIVIDUAL: DSI/ETSB/W. GAMMILL  
PURPOSE AND SCOPE: 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) ISSUE CONTRACT TO INITIATE THE SUBJECT STUDY 10/81. REVISE SRPS/REG. GUIDES  
09/30/84. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: NONE  
CURRENT STATUS: N/A  
ISSUES: N/A

III.D.2.2  
GREEN

RADIOIODINE, CARBON-14, AND TRITIUM PATHWAY DOSE ANALYSIS (NRR)      NRR,SD,RES,ADM      REVISED: 11/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: )      RESPONSIBLE BRANCH/DIVISION: RAB/DSI      CONTACT: FRANK CONGEL (X27542)  
                        OTHER OFFICE/INDIVIDUAL: NRR/R. BANGART, W. PASEDAG  
PURPOSE AND SCOPE: (1) IMPROVE UNDERSTANDING AT RADIOIODINE PARTITIONING IN THE PRIMARY COOLANT AND  
CONTAINMENT DURING NORMAL AND ACCIDENT CONDITIONS. (2) BEHAVIOR OF RADIOIODINE, CARBON-14, AND  
TRITIUM IN THE ENVIRONMENT WILL BE MODELED AND USED IN REACTOR ASSESSMENTS.  
SCHEDULE: (ORIGINAL) PNL CONTRACT TO STUDY FOOD PATH BEHAVIOR OF I AT TMI 10/80; REQUEST TO RES TO  
DETERMINE I SPECIES DURING NORMAL/ACCIDENT CONDITIONS 09/80; USE RESULTS OF ABOVE STUDY & ESTABLISH  
ENVIRONMENT BEHAVIOR IF I 09/82. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: PNL CONTRACT DESCRIBING I BEHAVIOR IN TMI SITE ENVIRONS DUE MOMENTARILY.  
CURRENT STATUS: RES USERS REQUEST IS BEING PREPARED.  
ISSUES: NONE

III.D.2.3  
YELLOW

LIQUID PATHWAY RADIOLOGICAL CONTROL (NRR)      NRR      REVISED: 10/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY 3  
(TACS: 12523)      RESPONSIBLE BRANCH/DIVISION: HGEB/DOE      CONTACT: WILLIAM BIVINS (X28003)  
                        OTHER OFFICE/INDIVIDUAL: NRR/R. BALLARD  
PURPOSE AND SCOPE: 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. EVALUATION OF OTHER SITES  
WAS TO BEGIN IN FY 82 OK LATER. (CURRENT) WITH THE EXCEPTION OF THE ITEM NOTED UNDER CURRENT STATUS, THIS  
EFFORT IS ON SCHEDULE.  
ACCOMPLISHMENTS: EVALUATION OF THE LIQUID PATHWAY EFFECTS OF A CLASS 9 ACCIDENT FOR THE ZION UNIT AND  
FOR THE SUMMER UNIT ARE COMPLETE AND HAVE BEEN PROVIDED TO PROJECT MANAGEMENT. COMPLETED AUGUST 8  
AND ABOUT JULY 15, RESPECTIVELY. THE SUMMER ANALYSES HAVE BEEN REVISED TO REFLECT WATER USE  
AND FISHERIES UPDATE AND WILL BE SUPPLIED TO PM BY 10/30/80.  
CURRENT STATUS: THE INDIAN POINT REVIEW IS ABOUT 20 - 30 PERCENT COMPLETE. THE GROUNDWATER PATHWAY FOR  
THIS UNIT IS UNIQUE AND PROVIDES LITTLE OPPORTUNITY FOR HOLDUP OF AN ACCIDENTAL RELEASE FROM THE PLANT.  
THIS HAS REQUIRED A MORE DETAILED ASSESSMENT OF THE LIQUID PATHWAY USERS AND ITS AFFECT ON MAN. DATA  
IS BEING COLLECTED TO BETTER DEFINE THE FOOD CHAIN PATHWAY AND TO FURTHER DEFINE INFORMATION DESCRIBING  
THE GROUNDWATER PATHWAY. WE ARE UNAWARE OF ANY ADVERSE IMPACT ON OTHER PHASES OF THIS STUDY. MODELS  
ARE BEING FURTHER REFINED BASED UPON OUR EXPERIENCE WITH THE INDIAN POINT-ZION-SUMMER EXERCISE.  
ISSUES: THE ACTION PLAN PROVIDES INADEQUATE GUIDANCE WITH RESPECT TO THE EVALUATION OF OTHER PLANTS.  
IT CALLS FOR ADDITIONAL SITE WORK TO BE INITIATED IN FY 82 OR LATER. THIS IS NOT CONSISTENT WITH  
THE REQUIREMENTS PLACED ON THIS BRANCH BY THE NEW REVIEW REQUIREMENTS THAT WE ASSESSED THE LIQUID  
PATHWAY. MODIFICATION OF THE ACTION PLAN SCHEDULE WILL BE REQUIRED, BUT IS NOT YET ACCOMPLISHED.  
THE FINAL SCHEDULES WILL BE AFFECTED SOMEWHAT BY RULEMAKING ON CLASS 5 ACCIDENTS.

III.D.2.5  
INACTIVE

OFFSITE DOSE CALCULATION MANUAL (NRR)

NRR,IE

REVISED: 11/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 3

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RAB/DSI CONTACT: FRANK CONGEL (X27542)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: PREPARE A DOSE MANUAL THAT CAN BE USED BY LICENSEE AND NRC STAFF TO QUICKLY EVALUATE  
OFFSITE DOSES DURING AN ACCIDENT.

SCHEDULE: (ORIGINAL) (CURRENT) DELAYED UNTIL FY 82.

ACCOMPLISHMENTS: NONE

CURRENT STATUS:

ISSUES: THERE APPEARS TO BE REDUNDANT EFFORT ON PRODUCING THIS MANUAL. EPPO AND I&E ARE EITHER DRAFTING  
OR HAVE DRAFTED A MANUAL TO ACCOMPLISH THIS SAME GOAL. RAB IS PARTICIPATING IN THE REVIEW AND  
PREPARATION OF THESE MANUALS. ADDITIONAL EFFORT BY RAB MAY NOT BE NECESSARY IF THE FINAL MANUAL  
MEETS THE NEEDS OF THIS TAP.

III.D.3.1  
YELLOW

RADIATION PROTECTION PLANS (NRR)

NRR,SD

REVISED: 11/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RAB/DSI CONTACT: RICH SERBU (X27621)

OTHER OFFICE/INDIVIDUAL: IEJ. CUNNINGHAM; DSI/D. COLLINS

PURPOSE AND SCOPE: TO ASSURE A COMPREHENSIVE RADIATION PROTECTION PROGRAM THAT WILL FUNCTION EFFECTIVELY  
DURING ROUTINE OPERATIONS, ANTICIPATED OPERATIONAL OCCURRENCES AND EMERGENCIES.

SCHEDULE: (ORIGINAL) NUREG-0660 ISSUED. INITIATE WORK. (CURRENT) LETTER TO LICENSEES NOTIFYING OF ACTION  
05/80; DRAFT PLAN GUIDE CIRCULATED WITHIN NRC FOR COMMENT 09/80; ISSUE DRAFT PLAN GUIDE FOR PUBLIC  
COMMENT.

ACCOMPLISHMENTS: DRAFT GUIDE ISSUED. IE HP APPRAISALS PROVIDING INFORMATION FOR INCORPORATION INTO GUIDE.

CURRENT STATUS: BECAUSE OF HP APPRAISAL FINDINGS, SCHEDULE HAS BEEN MOVED UP FOR ISSUANCE OF REQUIREMENT  
TO DEVELOP AND IMPLEMENT RADIATION PROTECTION PLANS. NEW SCHEDULE WOULD REQUIRE DEVELOPMENT EARLY  
NEXT YEAR AND WOULD REQUIRE THAT LASTING SOLUTIONS TO APPRAISAL FINDINGS BE INCORPORATED IN THE PLAN.

ISSUES: ACCELERATED SCHEDULE WILL TAX MANPOWER.

III.D.3.3  
GREEN

INPLANT RADIATION MONITORING (NRR)

NRR,SD

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RAB/DSI CONTACT: DOUG COLLINS (X27614)

OTHER OFFICE/INDIVIDUAL: NRR/C. HINSON

PURPOSE AND SCOPE: 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. DRAFT R.G. 1.97 INCLUDED  
AREA RADIATION MONITORS TO 104 R/HR. (CURRENT)

ACCOMPLISHMENTS: CATEGORY A SER, 3/80 - ABILITY TO DETECT IODINE.

CURRENT STATUS: MOST LICENSEES CAN MEASURE RADIOIODINE CONCENTRATIONS NOW BECAUSE THEY WILL USE SILVER  
ZEOLITE CARTRIDGES WITH A SINGLE CHANNEL ANALYZER. THE COUNTING CAN BE DONE IN A LOW BACKGROUND  
AREA, SUCH AS THE TECHNICAL SUPPORT CENTER. CONTRACT TO PERFORM REVIEWS TO BE SENT 10/80.

ISSUES: NONE

III.D.3.4  
YELLOW

CONTROL ROOM HABITABILITY (NRR)

NRR,SD,IE

REVISED: 11/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: 42235) RESPONSIBLE BRANCH/DIVISION: AEB/DSI CONTACT: HARRY KRUG (X27849)

OTHER OFFICE/INDIVIDUAL: IE/M. KIDD; NRR/H. SCHIERLING

PURPOSE AND SCOPE: 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 ON SCHEDULE. LICENSEES TO SUBMIT DETAILED INFORMATION PER 7 MAY 1980 LETTER BY 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. SATISFY OPERATING REACTORS REQUIREMENTS AS PER (1) ABOVE ON A CASE-BY-CASE BASIS. (CURRENT) SAME AS ORIGINAL.

ACCOMPLISHMENTS: (1) GUIDANCE TO OPERATING REACTORS ON 7 MAY 1980. (2) FULL POWER SER COMPLETE FOR SEQUOYAH, NORTH ANNA, FARLEY, MCGUIRE, AND SALEM. (3) TECHNICAL ASSISTANCE CONTRACT AWARDED TO PNL ON 1 AUGUST 1980.

CURRENT STATUS: SCOPE OF WORK AND SCHEDULE HOLDING CONSISTENT WITH NUREG-0660, NUREG-0694 AND THE NRC LETTER OF 7 MAY 1980.

ISSUES: IF INDUSTRY SUBMITTALS ARE OF POOR QUALITY, INCREASED COSTS AND SCHEDULES COULD RESULT. TO MAKE THE EVALUATIONS MEANINGFUL, CAREFUL TESTS OF THE CONTROL ROOMS MAY BE NEEDED AS A CONFIRMATORY DEMONSTRATION.

NRR HAS 15 CHAPTER III ACTION ITEMS.



IV.E.2 PLAN FOR EARLY RESOLUTION OF SAFETY ISSUES (NRR) NRR,SD,RES,AEOD,IE REVISED: 10/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
COMMISSION(TACS: 40042) RESPONSIBLE BRANCH/DIVISION: DSI/SPEB CONTACT: THOMAS COX (X28966)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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) (1) DRAFT  
PLAN FOR NRR MANAGEMENT REVIEW 11/7/80; (2) RECOMMENDED PLAN FOR COMMISSION REVIEW 1/9/81; (3) FINAL  
PLAN THAT INCORPORATES COMMISSION COMMENTS 3/6/81.  
ACCOMPLISHMENTS:  
CURRENT STATUS: EFFORT JUST GETTING UNDERWAY.  
ISSUES: NONE IDENTIFIED AT THIS TIME.  
COMMISSION ACTION: REVIEW OF PLAN.

IV.E.3 PLAN FOR RESOLVING ISSUES AT CONSTRUCTION PERMIT STAGE (NRR) NRR,ELD REVISED: 10/80  
INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: CONTACT:  
OTHER OFFICE/INDIVIDUAL: NOT ASSIGNED  
PURPOSE AND SCOPE: 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 ALTERNATIVE  
LISTED IN THE ACTION PLAN.  
SCHEDULE: (ORIGINAL) NO SCHEDULE YET ESTABLISHED. (CURRENT)  
ACCOMPLISHMENTS:  
CURRENT STATUS: A PLAN IS NOT SCHEDULED FOR PREPARATION UNTIL "...FY 82 OR LATER."  
ISSUES:

IV.E.5 ASSESS CURRENTLY OPERATING REACTORS (NRR) NRR,RES,IE,SD REVISED: 10/80  
GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: 40048) RESPONSIBLE BRANCH/DIVISION: DST/SPEB CONTACT: MICHAEL BOYLE (X27058)  
OTHER OFFICE/INDIVIDUAL: NRR/W. MILSTEAD  
PURPOSE AND SCOPE: 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 3/15/80;  
PLAN COMPLETION 10/01/87. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: DRAFT PLAN OF THE INTEGRATED PROGRAM TO ASSESS THE SAFETY OF ALL OPERATING REACTORS  
HAS BEEN SUBMITTED TO THE COMMISSION; 90-DAY STATUS REPORT SUBMITTED; COMPREHENSIVE  
PLAN IS CURRENTLY BEING DRAFTED.  
CURRENT STATUS: NO ISSUES OR PROBLEMS ENCOUNTERED SINCE PROGRAM HAS NOT YET BEEN INITIATED.  
ISSUES:

IV.F.2  
GREEN

EVALUATE THE IMPACTS OF FINANCIAL DISINCENTIVES  
TO THE SAFETY OF NUCLEAR POWER PLANTS (NRR)

NRR,SD,RES,IE

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: 42407)

RESPONSIBLE BRANCH/DIVISION: UTILITY FINANCE BRANCH, DE CONTACT: ROBERT WOOD (X28336)  
OTHER OFFICE/INDIVIDUAL: NRR/JIM PETERSON, MICHAEL KARLOWICZ

PURPOSE AND SCOPE: 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 AS ORIGINAL.

ACCOMPLISHMENTS: PRELIMINARY CONTACTS WITH FERC, NARUC, AND IRS HAVE BEEN MADE.

CURRENT STATUS: CONTINUING TO GATHER INFORMATION FROM REGULATORY ORGANIZATIONS AND PRELIMINARILY IDENTIFY  
POSSIBLE DISINCENTIVES.

ISSUES: NONE

NRR HAS 4 CHAPTER IV ACTION ITEMS.

TMI ACTION PLAN TRACKING SYSTEM (APTS)

24 NOVEMBER 1980

IE (LEAD OFFICE) ACTION ITEMS (RUN DATE: 12/03)

SUMMARY OF ACTION ITEMS:

CHAPTER I : 6 (OPERATIONAL SAFETY)  
CHAPTER II : 8 (SITING AND DESIGN)  
CHAPTER III : 6 (EMERGENCY PREPAREDNESS AND RADIATION EFFECTS)  
CHAPTER IV : 3 (PRACTICES AND PROCEDURES)  
TOTAL 23

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

COMPLETE (IMPLEMENTATION) : 1 (1,0,0,0)  
PRIORITY '1' ITEMS : 0

REQMENT (REQUIREMENT ISSUED, IMPLEMENTATION  
NOT COMPLETE) : 0

INACTIVE : 4 (1,2,0,1)  
PRIORITY '1' ITEMS : 0

ACTIVE : 18 (4,6,6,2)  
PRIORITY '1' ITEMS : 3 (2,1,0,0)

\*RED AND YELLOW ITEMS : 7 (0,4,3,0)  
PRIORITY '1' ITEMS : 0

\*COMMISSION ACTION ITEMS : 3 (0,1,1,1)  
PRIORITY '1' ITEMS : 0

COMMENTS:

COMMENTS OR QUESTIONS REGARDING THIS MATERIAL SHOULD BE DIRECTED TO  
PAUL VINEYARD, MPA (X27533, MNBB-12711)

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

I.A.2.4 NRR PARTICIPATION IN INSPECTOR TRAINING (IE) NRR,IE REVISED: 10/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
 (TACS: 42448) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: JOE MCMILLEN (X27476)  
 OTHER OFFICE/INDIVIDUAL: IE/J. LEDOUX  
 PURPOSE AND SCOPE: PROVIDE INSTRUCTION TO IE INSPECTORS REGARDING THE ROLE AND LICENSING OF REACTOR OPERATIONS STAFF.  
 SCHEDULE: (ORIGINAL) INITIATE PROGRAM IN FY 82. (CURRENT) ON SCHEDULE.  
 ACCOMPLISHMENTS: NONE TO DATE.  
 CURRENT STATUS: NOT SCHEDULED UNTIL FY 82.  
 ISSUES: NONE

I.B.1.2 MANAGEMENT FOR OPERATIONS - EVALUATION FOR NTOL APPLICANTS (IE) NRR, IE REVISED: 10/80  
 GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: 42060) RESPONSIBLE BRANC' DIVISION: ROI/IE CONTACT: SAMUEL BRYAN (X28019)  
 OTHER OFFICE/INDIVIDUAL: IE/R. H. WESSMAN; NRR/D. G. VASSALLO, L. CROCKER  
 PURPOSE AND SCOPE: THE NRC WILL EVALUATE ORGANIZATION AND MANAGEMENT CAPABILITIES OF NTOL APPLICANTS PRECEDING LICENSE ISSUANCE. NRR WILL PROVIDE DRAFT CRITERIA TO BE USED BY AN INTEROFFICE REVIEW TEAM AT EACH NTOL SITE. THE FINDINGS OF THE TEAM WILL BE AN INPUT INTO THE SER FOR THE NTOL FACILITY.  
 SCHEDULE: (ORIGINAL) COMMENCE EVALUATION OF NTOLS CONSISTENT WITH LICENSING SCHEDULE - 01/80; NRR PROVIDE DRAFT CRITERIA FOR EVALUATIONS - 07/80. (CURRENT) EXTEND EVALUATION PROGRAM BEYOND FIRST 6 NTOLS.  
 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: EVALUATIONS COMPLETED AND SER INPUT WRITTEN FOR 9 FACILITIES. OTHER APPLICANTS FOR LICENSE WILL BE EVALUATED WHEN READY ON A SCHEDULE CONSISTENT WITH THEIR READINESS FOR LICENSING. DRAFT CRITERIA BEING FINALIZED FOR ISSUE AS NUREG 0731, TO BE ISSUED FOR COMMENT IN EARLY OCTOBER.  
 ISSUES: NONE

I.B.2.1 REVISION OF IE INSPECTION PROGRAM (IE) IE REVISED: 10/80  
 COMPLETE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: ROI/IE CONTACT: SAMUEL BRYAN (X28019)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: THE NRC WILL REVISE THE INSPECTION PROGRAM TO PROVIDE MORE DIRECT OBSERVATION AND INDEPENDENT VERIFICATION OF LICENSEE ACTIVITIES.  
 SCHEDULE (ORIGINAL) PROGRAM REVISION STARTED - 12/79; COMMENTS REQUESTED ON PROPOSED PROGRAM REVISION 03/80; COMMENTS AND FINAL PROGRAM PREPARED 04/80. (CURRENT) N/A  
 ACCOMPLISHMENTS: PROGRAM REVISION WAS STARTED IN NOVEMBER 1979. THE PROGRAM WAS ISSUED FOR USE IN THE FIELD BY RESIDENT INSPECTORS IN APRIL 1980.  
 CURRENT STATUS: THE INSPECTION PROGRAM FOR RESIDENT INSPECTORS HAS BEEN COMBINED WITH THE ROUTINE INSPECTION PROGRAM TO PRODUCE A CONSOLIDATED INSPECTION PROGRAM FOR OPERATING REACTORS. MANAGEMENT RESPONSIBILITY FOR IMPLEMENTING THIS INSPECTION PROGRAM HAS BEEN ASSIGNED TO THE REGIONS. ALL PLANNED MAJOR PROGRAM REVISIONS FOR THE REACTOR OPERATIONS INSPECTION PROGRAM HAVE BEEN COMPLETED.  
 ISSUES: NONE

I.B.2.2 INSPECTIONS AT OPERATING REACTORS - RESIDENT INSPECTOR (IE) IE,ADM REVISED: 10/80  
 GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: D/IE CONTACT: JAMES SNIEZEK (X28098)  
 OTHER OFFICE/INDIVIDUAL: IE/E. GREHER; REGIONAL DIRECTORS; REGIONAL RONS BRANCH CHIEFS  
 PURPOSE AND SCOPE: ESTABLISH A RESIDENT OFFICE AT EACH SITE WHERE THERE IS AN OPERATING REACTOR OR WHERE THERE IS A REACTOR UNDERGOING PREOPERATIONAL TESTING. RECRUIT, TRAIN AND ASSIGN ONE OR MORE RESIDENT INSPECTORS TO EACH OF THESE RESIDENT OFFICES, IN ACCORDANCE WITH COMMISSION DIRECTIVES ON MANNING LEVELS.  
 SCHEDULE: (ORIGINAL) START STAFFING ALL OPERATIONAL SITES WITH 1 RESIDENT INSPECTORS - 09/80. EXPAND STAFFING FOR ALL SITES TO MINIMUM OF 2 RESIDENTS/SITE - 09/80. (CURRENT) SELECTIVELY REDUCE STAFFING AT TRIPLE UNIT AND SOME SINGLE UNIT SITES - 09/82.  
 ACCOMPLISHMENTS: ALL OPERATING SITES MANNED WITH SENIOR RESIDENT OR EQUIVALENT - 06/80.  
 CURRENT STATUS: AS OF 09/30/80, 58 OUT OF 59 OPERATING SITES WERE MANNED WITH A TOTAL OF 107 RESIDENTS AND SENIOR RESIDENTS AND 6 EQUIVALENT SENIOR RESIDENTS. ANOTHER 6 RESIDENTS HAD BEEN SELECTED BUT WERE NOT YET REASSIGNED. THERE WERE 10 POSITIONS STILL UNFILLED.



ISSUES: COMPLETING TRAINING PROGRAM FOR NEWLY-HIRED RESIDENTS. RELOCATING RESIDENTS AND SENIOR RESIDENTS DURING A PERIOD OF HIGH COST MORTGAGES. MAINTAIN ADEQUATE COMMUNICATIONS BETWEEN REGIONAL OFFICES, RESIDENT OFFICES AND NRC HEADQUARTERS TO FORESTALL ISOLATION AND "CAPTURE".

I.B.2.3  
GREEN

INSPECTIONS AT OPERATING REACTORS - REGIONAL  
EVALUATIONS (IE)

IE

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: ROI/IE CONTACT: NORMAN MOSELEY (X28160)

OTHER OFFICE/INDIVIDUAL: IE/S. E. BRYAN

PURPOSE AND SCOPE: 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 - SCHEDULES AND RESOURCES TO BE DEVELOPED IN ROUTINE BUDGET PROCESS. (CURRENT) ISSUE PROCEDURES FOR CONDUCTING EVALUATIONS - 04/80; COMPLETE EVALUATIONS FOR ALL OPERATING REACTORS - 10/80.

ACCOMPLISHMENTS: EVALUATIONS FOR TEN (10) PLANTS RECEIVED BY IE:HQ AS OF 9/22/80.

CURRENT STATUS: EVALUATIONS ARE UNDERWAY IN ALL REGIONS. ALL OPERATING PLANTS EXPECTED TO BE COMPLETE BY 10/80.

ISSUES: NONE

I.B.2.4  
GREEN

OVERVIEW OF LICENSEE PERFORMANCE (IE)

IE

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: ROI/IE CONTACT: NORMAN MOSELEY (X28160)

OTHER OFFICE/INDIVIDUAL: DROI,IE/S. E. BRYAN

PURPOSE AND SCOPE: 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 - SCHEDULES AND RESOURCES TO BE DEVELOPED IN ROUTINE BUDGET PROCESS. (CURRENT) DEVELOP CHARTER, APPOINT BOARD MEMBERS - 08/80. COMPLETE FIRST REVIEW OF OPERATING PLANTS.

ACCOMPLISHMENTS: CHARTER ISSUED AND BOARD MEMBERS APPOINTED 08/25/80.

CURRENT STATUS: STAFFING OF BOARD ASSISTANTS IS UNDERWAY. FIRST BOARD MEETING SCHEDULED IN NEAR FUTURE.

ISSUES: NONE

II.J.1.1  
YELLOW

ESTABLISH A PRIORITY SYSTEM FOR CONDUCTING VENDOR INSPECTIONS (IE) IE

REVISED: 10/80

\*\*COMPLETION DATE > FY81 \*PRIORITY -

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RCI/IE CONTACT: WAYNE KEINMUTH (X27551)

OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG, J. C. GLYNN; REGION IV/U. POTAPOVS

PURPOSE AND SCOPE: 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) REQUESTS FOR BID ISSUED FOR ENGAGEMENT OF PRIVATE CONTRACTOR - 08/79; CONTRACT AWARDED TO GASSER ASSOC. - 06/80. (CURRENT) CONTRACTOR PROVIDE PROPOSED PLAN FOR SYSTEM - 06/81; INITIATE TRIAL USE OF PROPOSED PLAN - 06/82.

ACCOMPLISHMENTS: SCOPE OF CONTRACT DRAFTED (04/79) FOR ENGAGEMENT OF PRIVATE CONTRACTOR. REQUESTS FOR BIDS ISSUED; BIDS RECEIVED AND EVALUATED (06/79) AND CONTRACT AWARDED.

CURRENT STATUS: CONTRACTOR IN PROCESS OF GATHERING INPUT INFORMATION AND DEVELOPING INITIAL IDEAS FOR AN INTEGRATED SYSTEM. SUBMITTAL OF INITIAL PROPOSAL SCHEDULED FOR LATE SEPTEMBER 1980.

ISSUES: ACCELERATING INCREASE IN REACTIVE INPUT INFORMATION COULD CAUSE SIGNIFICANT INCREASE IN SCOPE OF CONTRACT ADVERSELY AFFECTING COMPLETION SCHEDULE.

- II.J.1.2      MODIFYI EXISTING VENDOR INSPECTION PROGRAM (IE)      IE      REVISED: 10/80  
 YELLOW      \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
 (TACS:      ) RESPONSIBLE BRANCH/DIVISION: RCI/IE      CONTACT: WAYNE REINMUTH (X27551)  
    OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG, J. C. GLYNN, A. B. BENNETT; REGION IV/U. POTAPOVS  
 PURPOSE AND SCOPE: CHANGES IN THE CURRENT VENDOR INSPECTION PROGRAM WILL BE MADE TO BETTER REFLECT PRESENT  
 CONDITIONS IN THE NUCLEAR SUPPLY INDUSTRY. GREATER EMPHASIS WILL BE PLACED UPON THE INSPECTION OF  
 DESIGN CONTROL AND TECHNICAL ACTIVITIES AS INDICATED FROM OPERATIONAL AND CONSTRUCTION EXPERIENCE  
 FROM EXISTING FACILITIES.  
 SCHEDULE: (ORIGINAL) MEETING IN REGION IV TO DISCUSS PROGRAM NEEDS 02/80; REVISE MANUAL CHAPTER 2700 -  
 VENDOR INSPECTION PROGRAM; DRAFT EIGHT NEW PROCEDURES FOR TECHNICAL TYPE INSPECTIONS. (CURRENT) REVISE  
 MANUAL CHAPTER 2700, NOW SCHEDULED FOR COMPLETION 10/80; COMPLETION AND ISSUANCE OF EIGHT NEW PROCEDURES  
 04/81.  
 ACCOMPLISHMENTS: NEED AND DIRECTION FOR REVISED PROGRAM IDENTIFIED (02/80).  
 CURRENT STATUS: PROGRAM REVISIONS TO MANUAL CHAPTER 2700 ARE IN PROGRESS. FIVE DRAFT INSPECTION PROCEDURES  
 HAVE BEEN DRAFTED AND TRIAL USE IS IN PROGRESS.  
 ISSUES: STAFF TIME HAS BEEN PREEMPTED BY HIGHER PRIORITY REACTIVE EVENTS WHICH HAS RESULTED IN SCHEDULE  
 DELAYS. FURTHER DELAYS MAY BE INCURRED IF SUCH EVENTS CONTINUE AT THE SAME FREQUENCY.
- II.J.1.3      INCREASE REGULATORY CONTROL OVER PRESENT NONLICENSEES (IE)      IE      REVISED: 10/80  
 INACTIVE      \*\*COMPLETION DATE > FY81 \*PRIORITY -  
 COMMISSION(TACS:      ) RESPONSIBLE BRANCH/DIVISION: RCI/IE      CONTACT: WAYNE REINMUTH (X27551)  
    OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG  
 PURPOSE AND SCOPE: THIS TASK WILL EXAMINE THE FEASIBILITY OF LICENSING NUCLEAR STEAM SYSTEM SUPPLIERS,  
 ARCHITECT ENGINEERS AND MAJOR CONSTRUCTORS. ALTERNATE METHODS OF EXERCISING CONTROL WILL ALSO BE  
 EXAMINED AND DISCUSSED IN A COMMISSION PAPER.  
 SCHEDULE: (ORIGINAL) INITIATE COMMISSION PAPER 11/82. (CURRENT) COMPLETE COMMISSION PAPER 11/82.  
 ACCOMPLISHMENTS: N/A  
 CURRENT STATUS: N/A  
 ISSUES: REVISIONS TO PART 21 ALLOWING ENHANCED ENFORCEMENT MAY RESULT IN MORE EFFECTIVE CONTROL OVER  
 ACTIVITIES OF THE SUBJECT NON-LICENSEES WHICH MAY NEGATE NEED OR DESIRABILITY OF DIRECT LICENSING.  
 COMPLETION OF REVISIONS TO PART 21 ARE ANTICIPATED IN LATE 1981.
- II.J.1.4      ASSIGN RESIDENT INSPECTORS TO REACTOR VENDORS  
 INACTIVE      AND ARCHITECT-ENGINEERS (IE)      IE      REVISED: 10/80  
    \*\*COMPLETION DATE > FY81 \*PRIORITY -  
 (TACS:      ) RESPONSIBLE BRANCH/DIVISION: RCI/IE      CONTACT: WAYNE REINMUTH (X27551)  
    OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG; REGION IV/U. POTAPOVS  
 PURPOSE AND SCOPE: RESIDENT INSPECTORS WILL BE ASSIGNED TO THE CENTRAL OFFICES OF ONE NUCLEAR STEAM  
 SUPPLIER AND ONE ARCHITECT ENGINEER ON A TRIAL BASIS TO DETERMINE IF MORE EFFECTIVE INSPECTION  
 CAN BE ACCOMPLISHED BY THIS METHOD.  
 SCHEDULE: (ORIGINAL) RESOURCES REQUESTED IN FY 82 BUDGET; RECRUIT PERSONNEL IF APPROVED IN BUDGET  
 PROCESS 12/81; ASSIGN PERSONNEL TO SPECIFIC VENDORS 02/82. (CURRENT) N/A  
 ACCOMPLISHMENTS:  
 CURRENT STATUS:  
 ISSUES: DECISION TO PROCEED IS CONTINGENT UPON APPROVAL OF BUDGET REQUEST.
- II.J.2.1      REORIENT CONSTRUCTION INSPECTION PROGRAM (IE)      IE      REVISED: 10/80  
 GREEN      \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
 (TACS:      ) RESPONSIBLE BRANCH/DIVISION: RCI/IE      CONTACT: WAYNE REINMUTH (X27551)  
    OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG, R. A. ROHRBACHER  
 PURPOSE AND SCOPE: CHANGES WILL BE MADE IN THE REACTOR CONSTRUCTION INSPECTION PROGRAM ON A CONTINUING  
 BASIS TO OBTAIN OPTIMUM UTILIZATION OF AVAILABLE RESOURCES.  
 SCHEDULE: (ORIGINAL) MODIFY AND ORIGINATE INSPECTION PROCEDURES FOR EARLIER INSPECTION OF QA/QC AT  
 CONSTRUCTION SITES 08/80. (CURRENT) SCOPE MASTER PLAN FOR POSSIBLE FUTURE CHANGES IN PROGRAM 12/80;  
 INITIATE CHANGES AS APPROPRIATE 06/83.  
 ACCOMPLISHMENTS: APPROPRIATE PROCEDURES HAVE BEEN INCORPORATED IN THE CURRENT PROGRAM TO ASSURE EARLIER  
 AND PERIODIC INSPECTION OF LICENSEE AND LICENSEE CONTRACTOR QA ACTIVITIES.

CURRENT STATUS:

ISSUES: INTRODUCTION OF MAJOR CHANGES AND CONCEPTS IN INSPECTION PROGRAM REQUIRES SUBSTANTIAL INVESTMENT IN RESOURCES AND RE-TRAINING. UNLESS NEW REACTOR STARTS OCCUR, COST-BUDGET ADVANTAGES APPEAR MARGINAL.

II.J.2.2  
YELLOW

INCREASE EMPHASIS ON INDEPENDENT MEASUREMENT IN THE CONSTRUCTION INSPECTION PROGRAM (IE)

IE

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RCI/IE CONTACT: WAYNE REINMUTH (X27551)

OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG, W. LAUDAN, W. R. RUTHERFORD; REGION I/R. CARLSON

PURPOSE AND SCOPE: INDEPENDENT MEASUREMENTS OF SELECTED EQUIPMENT AND ACTIVITIES AT CONSTRUCTION SITES ARE NEEDED TO PROVIDE GREATER ASSURANCE THAT PLANTS ARE PROPERLY CONSTRUCTED. BOTH DESTRUCTIVE AND NONDESTRUCTIVE TESTING OF A VARIETY OF EQUIPMENT IS BEING PERFORMED UNDER SEVERAL PLANNED PROGRAMS ON AN ON-GOING BASIS.

SCHEDULE: (ORIGINAL) HIRE INDEPENDENT TEST CONTRACTOR FOR DESTRUCTIVE TESTING 08/79; PROCURE MOBILE VAN FOR CONDUCTING NON-DESTRUCTIVE TESTS BY NRC PERSONNEL 09/80; PREPARE PROGRAM INSPECTION PROCEDURES TO COVER INDEPENDENT TESTING 08/80; DEVISE NEW PROGRAM FOR VERIFYING ENVIRONMENTAL QUAL. FO EQUIPMENT 08/82. (CURRENT) CONDUCT TRIAL PROGRAM WITH VAN EQUIPMENT 09/81.

ACCOMPLISHMENTS: CONTRACTOR FOR DESTRUCTIVE TESTS HAS BEEN HIRED AND IS PERFORMING TESTS ON ON-GOING BASIS. MOBILE VAN HAS BEEN DELIVERED. COMMISSION HAS APPROVED PROGRAM FOR VERIFICATION TESTING OF ENVIRONMENTAL QUALIFIED EQUIPMENT.

CURRENT STATUS: (1) TEST PROGRAM UTILIZING MOBILE NDE VAN WILL BE INITIATED IN 10/80. (2) TESTING OF EQUIPMENT AND ADMINISTRATIVE ACTIVITIES CALLED FOR BY THE PROGRAM FOR VERIFICATION TESTING OF ENVIRONMENTAL QUALIFIED EQUIPMENT IS PROCEEDING ACCORDING TO THE PLAN OUTLINED IN COMMISSION PAPER SECY 80-319.

ISSUES: SHORTAGE OF RESOURCES WILL PROBABLY DELAY FULL AND ON-TIME ACCOMPLISHMENT OF ALL PLANNED ACTIVITIES IN THESE SEVERAL AREAS.

II.J.2.3  
YELLOW

ASSIGN RESIDENT INSPECTORS TO ALL CONSTRUCTION SITES (IE)

IE

REVISED: 10/80

\*\*COMPLETION DATE > FY81 \*PRIORITY -

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RCI/IE CONTACT: WAYNE REINMUTH (X27551)

OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG, L. COBB

PURPOSE AND SCOPE: RESIDENT INSPECTORS ARE NEEDED TO PROVIDE A MINIMUM LEVEL OF INSPECTION COVERAGE OF ALL SAFETY IMPORTANT ACTIVITIES. SINCE THE SAME ACTIVITIES OCCUR AT ALL SITES RESIDENT INSPECTORS ARE NEEDED AND WILL BE PLACED AT ALL ACTIVE CONSTRUCTION SITES AS RESOURCES BECOME AVAILABLE.

SCHEDULE: (ORIGINAL) FIRST CONSTRUCTION RESIDENT INSPECTOR ASSIGNED. (CURRENT) ADDITIONAL MANPOWER FOR CONSTRUCTION RESIDENT INSPECTORS REQUESTED IN FY 82 BUDGET.

ACCOMPLISHMENTS:

CURRENT STATUS: 20 CONSTRUCTION RESIDENT INSPECTORS WILL BE ON-SITE BY 09/80. 24 CONSTRUCTION RESIDENT INSPECTORS ARE SCHEDULED TO BE ON-SITE BY 09/81. 32 CONSTRUCTION RESIDENT INSPECTORS ARE SCHEDULED TO BE ON-SITE BY 09/82. NOTE: BY LATE 1982 APPROXIMATELY 37 REACTOR SITES ARE EXPECTED TO BE IN AN ACTIVE STATUS. (1980 PROJECTIONS)

ISSUES: ACCOMPLISHMENT OF OBJECTIVE CONTINGENT UPON APPROVAL OF ADDITIONAL RESOURCES.

II.J.4.1  
GREEN

REVISE DEFICIENCY REPORTING REQUIREMENTS (IE)

IE,SD

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RCI/IE CONTACT: WAYNE REINMUTH (X27551)

OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG; NRR/J. M. TAYLOR, E. WENZINGER, W. CAMPBELL

PURPOSE AND SCOPE: DEFICIENCY REPORTING REQUIREMENTS WILL BE CLARIFIED AND BROADENED BY APPROPRIATE RULE CHANGES TO ASSURE THE REPORTING AND CORRECTION OF SIGNIFICANT DEFICIENCIES AND/OR DEFECTS IN PROGRAMS AND EQUIPMENT.

SCHEDULE: (ORIGINAL) IE SUBMIT RECOMMENDED 50.55(E) CHANGES TO SD 04/80; SD ISSUE FOR COMMENT, 50.55(E) RULE CHANGES 04/81; IE SUBMIT RECOMMENDED PART 21 CHANGES TO SD 10/80. (CURRENT)

ACCOMPLISHMENTS:

CURRENT STATUS: IE AND SD ARE CURRENTLY WORKING TOGETHER ON SPECIFIC CHANGES AND THE LANGUAGE FOR A REVISED 50.55(E) RULE. RECOMMENDATION FOR PART 21 RULE CHANGES HAVE BEEN PREPARED BY IE AND ARE BEING CIRCULATED WITHIN IE FOR COMMENT.

ISSUES: CHANGES TO PART 21 MAY REQUIRE CHANGES IN THE AUTHORIZING LEGISLATION (SECTION 206, AUTHORIZATION ACT OF 1974).



- III.A.3.2  
YELLOW  
EMERGENCY PREPAREDNESS - IMPROVE OPERATION CENTERS (IE) IE,ADM REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
 (TACS: 42431) RESPONSIBLE BRANCH/DIVISION: X005/IE CONTACT: BERNIE WEISS (X29575)  
 OTHER OFFICE/INDIVIDUAL: IE/J. HIMES, L. BELL, D. ROSANO, E. WEINSTEIN, K. JACKSON  
 PURPOSE AND SCOPE: UPGRADE THE NRC CAPABILITY FOR SUPPORTING/DECISION-MAKING DURING NUCLEAR INCIDENTS.  
 SCHEDULE: (ORIGINAL) IMPROVE PHYSICAL SPACE, ARRANGEMENT & EQUIPMENT FOR OPS CENTER 06/80; FINAL OPERATIONS  
 CENTER MODIFICATIONS (UNDETERMINED); REGIONAL OPERATIONS CENTER MODIFICATIONS 01/81. (CURRENT)  
 IMPROVE OPS CENTER (ONGOING); FINAL OPS CENTER MODIFICATIONS (UNDETERMINED); REGIONAL OPS CENTER  
 MODIFICATIONS 06/81.  
 ACCOMPLISHMENTS: IMPROVED OPERATIONS CENTER PROCEDURES; TWO DIRECT AND DEDICATED TELEPHONE SYSTEMS;  
 PHYSICAL UPGRADING OF OPERATIONS CENTER; TRAINING OF RESPONSE TEAMS; EXERCISES AND DRILLS.  
 CURRENT STATUS: WORK IN ONGOING IN IMPROVING FACILITIES, PROCEDURES AND EQUIPMENT. WILL BE CONTINUOUS.  
 ISSUES: MAJOR PROBLEM RELATES TO THE UNCERTAINTY OF THE LOCATION OF THE OPERATIONS CENTER FOR FURTHER  
 PLANNING.
- III.A.3.3  
YELLOW  
EMERGENCY PREPAREDNESS - COMMUNICATIONS (IE) IE,ADM,NRR REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
 (TACS: 42432) RESPONSIBLE BRANCH/DIVISION: X005/IE CONTACT: BERNIE WEISS (X29575)  
 OTHER OFFICE/INDIVIDUAL: IE/L. BELL, R. ROSANO; ADM/V.KERR  
 PURPOSE AND SCOPE: PROVIDE DEDICATED AND RELIABLE COMMUNICATIONS FOR USE DURING NUCLEAR EMERGENCIES.  
 SCHEDULE: (ORIGINAL) INSTALLATION OF ENS/HPN TELEPHONE SYSTEMS 06/79 03/80; COMMUNICATION SUPPORT FROM  
 OTHER AGENCIES; COMMUNICATIONS STUDY 08/80. (CURRENT) INSTALLATION OF ENS/HPN TELEPHONE SYSTEMS 06/79  
 08/80; COMMUNICATION SUPPORT FROM OTHER AGENCIES (ONGOING); COMMUNICATIONS REPORT TO CONGRESS 09/80.  
 ACCOMPLISHMENTS: REPORT TO CONGRESS NUREG-0729 - 09/80.  
 CURRENT STATUS: WORK TO IMPROVE COMMUNICATIONS IS ONGOING. BASED ON REPORT TO CONGRESS (NUREG-0729) FURTHER  
 ACTIONS WILL BE TAKEN TO IMPROVE PRIMARY, BACKUP AND SUPPLEMENTARY COMMUNICATIONS. SIGNIFICANT IMPROVE-  
 MENTS HAVE BEEN MADE SINCE TMI-2, BUT ADDITIONAL UPGRADING NEEDED FOR VOICE, GRAPHIC, DATA, WRITTEN AND  
 FACE-TO-FACE COMMUNICATIONS.  
 ISSUES: DEVELOPING PRIORITIES FOR EXTENSIVE COMMUNICATIONS NEEDS PLUS ACQUIRING THE NECESSARY FUNDING.  
 IN ADDITION, THE NUCLEAR DATA LINK CONCEPT NEEDS FURTHER DEFINITION.
- III.A.3.4  
GREEN  
COMMISSION  
EMERGENCY PREPAREDNESS - NUCLEAR DATA LINK (IE) IE,RES,ADM REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
 (TACS: 42148) RESPONSIBLE BRANCH/DIVISION: X005/IE CONTACT: BERNIE WEISS (X29575)  
 OTHER OFFICE/INDIVIDUAL: RES/O. BASSETT; NRR/W. MINNERS; IE/M. HOWARD  
 PURPOSE AND SCOPE: PROVIDE NRC THE CAPABILITY TO REMOTELY ACCESS FACILITY DATA AND DISPLAY THAT DATA AT THE  
 NRC OPERATIONS CENTER.  
 SCHEDULE: (ORIGINAL) SANDIA REPORT COMPLETED; COMMISSION BRIEFING. (CURRENT)  
 ACCOMPLISHMENTS: COMMISSION PAPER SECY 80-326 ON ND L PRESENTED TO COMMISSION. REPORT TO CONGRESS (NUREG-0730)  
 - 09/80.  
 CURRENT STATUS: SYSTEM DEFINITION NEEDS FURTHER REFINEMENT. SPECIFICATIONS ARE BEING DEVELOPED TO OPEN  
 CONTRACTOR SELECTION TO COMPETITIVE PROCESS. INTEGRATION OF ND L WITH OTHER LICEMSEE EMERGENCY FAC-  
 ILITIES DEFINED IN NUREG-0696. IMPLEMENTATION PLAN BEING DEVELOPED.  
 ISSUES: COMMISSION APPROVAL OF A FINAL HRC CONCEPT REQUIRED SELECTION OF SYSTEM INTEGRATOR AND SUB-  
 CONTRACTOR(S) NEEDED. LONG TERM FUNDING A NECESSITY.  
 COMMISSION ACTION: REVIEW
- III.A.3.5  
YELLOW  
EMERGENCY PREPAREDNESS - TRAINING, DRILLS, AND TESTS (IE) IE REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: X005/IE CONTACT: BERNIE WEISS (X29575)  
 OTHER OFFICE/INDIVIDUAL: IE/L. BELL, J. HIMES, D. ROSANO  
 PURPOSE AND SCOPE: HEADQUARTERS AND REGIONAL DRILLS AND EXERCISES ARE NECESSARY TO TEST THE SYSTEM,  
 USE THE NEWLY DEVELOPED PROCEDURES, BETTER DEFINE INTERFACES AND TRAIN INCIDENT RESPONSE PARTICIPANTS.  
 SCHEDULE: (ORIGINAL) ONGOING. (CURRENT) SAME AS ORIGINAL.  
 ACCOMPLISHMENTS: THREE MAJOR DRILLS HAVE BEEN CONDUCTED, IN ADDITION TO ACTIVATING THE OPS CENTER THREE  
 TIMES AND SEVERAL INSTANCES OF MAINTAINING CENTER ON STANDBY.  
 CURRENT STATUS: ONGOING. WILL CONDUCT MAJOR DRILL APPROXIMATELY ONCE EVERY TWO MONTHS AND PARTIAL DRILLS

AT LEAST EVERY FOUR WEEKS.  
ISSUES: SCHEDULING FREQUENT DRILLS DUE TO RESOURCE LIMITATIONS.

III.D.2.4  
GREEN

OFFSITE DOSE MEASUREMENTS (IE) NRR,RES,IE,ADM REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: FFMSI/IE CONTACT: LARRY COHEN (X28188)  
OTHER OFFICE/INDIVIDUAL: IE/M. SLOBODIEN  
PURPOSE AND SCOPE: THE PURPOSE OF THE PROGRAM IS TO PROVIDE INDEPENDENT AND HIGH QUALITY DIRECT RADIATION MEASUREMENTS AROUND NUCLEAR POWER PLANTS TO ENABLE IE TO ASSESS THE RADIOLOGICAL IMPACT OF THESE FACILITIES UNDER ROUTINE AND EMERGENCY SITUATIONS AND TO VERIFY THE ACCURACY OF LICENSEE'S RADIATION MEASUREMENTS.  
SCHEDULE: (ORIGINAL) TLD NETWORK WAS IMPLEMENTED AT ALL OPERATING POWER PLANTS 07/80; ANNUAL REPORT 06/81. (CURRENT) TLD NETWORK WAS IMPLEMENTED AT ALL OPERATING POWER PLANTS 07/80.  
ACCOMPLISHMENTS: THE NRC-TLD DIRECT RADIATION MONITORING NETWORK WAS IMPLEMENTED AT ALL 49 OPERATING NUCLEAR POWER PLANTS IN JULY, 1980.  
CURRENT STATUS: THERMOLUMINESCENT DOSIMETERS (TLDs) HAVE BEEN PLACED IN ENVIRONS OF 49 OPERATING NUCLEAR POWER PLANTS. COMPUTER SYSTEM TO PROCESS TLDs HAS BEEN PROCURED. CONTACT TO WRITE SOFTWARE PROGRAM TO OPERATE COMPUTER SYSTEMS HAS BEEN SIGNED. DELIVERY OF SOFTWARE IS EXPECTED BY APRIL, 1981.  
ISSUES: LIMITED DATA PROCESSING CAPABILITY FOR RADIATION MEASUREMENTS UNTIL COMPUTER SOFTWARE PROGRAMS ARE WRITTEN AND INTEGRATED INTO TLD SYSTEM.

III.D.2.6  
GREEN

INDEPENDENT RADIOLOGICAL MEASUREMENTS (IE) IE REVISED: 10/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: FFMSI/IE CONTACT: LARRY COHEN (X28188)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: THE CAPABILITY OF THE NRC'S REGIONAL OFFICES TO PERFORM INDEPENDENT MEASUREMENT 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) TASK FORCE REPORT ON INDEPENDENT RADIOLOGICAL MEASUREMENTS WAS COMPLETED 12/79; EQUIP ALL REGIONS WITH MOBILE LABORATORIES 03/80. (CURRENT) COMPLETE FULL COMPLEMENT OF TECHNICAL EQUIPMENT IN REGIONAL OFFICES 06/83; UPGRADE INSPECTION PROGRAM 06/82.  
ACCOMPLISHMENTS: (1) COMPLETION OF TASK FORCE REPORT ON INDEPENDENT RADIOLOGICAL MEASUREMENTS; (2) OUTFITTING OF ALL REGIONS WITH MOBILE LABORATORIES.  
CURRENT STATUS: THE REGIONAL OFFICES RADIOLOGICAL MEASUREMENT CAPABILITY HAVE BEEN PARTIALLY UPGRADED DURING 1980. ALL REGIONS HAVE FULLY EQUIPPED OPERATING MOBILE LABORATORIES. THE SCOPE OF THE INDEPENDENT MEASUREMENTS IN THE INSPECTION PROGRAM HAS BEEN DEFINED IN TASK FORCE REPORT.  
ISSUES:

IV.A.2 REVISE ENFORCEMENT POLICY (IE) IE REVISED: 11/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
COMMISSION(TACS: ) RESPONSIBLE BRANCH/DIVISION: X005/IE CONTACT: DUDLEY THOMPSON (X28487)  
OTHER OFFICE/INDIVIDUAL: ELD/JAMES LIEBERMAN  
PURPOSE AND SCOPE: REVISE NRC ENFORCEMENT POLICY AND GUIDANCE FOR IMPOSITION OF CIVIL PENALTIES, ORDERS,  
AND OTHER SANCTIONS. CONSIDER PROBATIONARY STATUS, AND PUBLIC MEETINGS NEAR SITE. INFORM PUBLIC,  
REQUEST COMMENTS AND HOLD REGIONAL MEETINGS.  
SCHEDULE: (ORIGINAL) SECY-80-139A 08/80; SECOND COMMISSION BRIEFING 09/80. (CURRENT) FEDERAL REGISTER  
NOTICE; REVISE TO ACCOMMODATE COMMENTS; ISSUE AS APPENDIX C, PART 2.  
ACCOMPLISHMENTS: AT BRIEFING ON 9/4/80, COMMISSION APPROVED PUBLICATION FOR 90-DAY COMMENT PERIOD.  
APPROVAL FOR INTERIM USE OF NEW PROPOSED POLICY AS GUIDANCE. FEDERAL REGISTER NOTICE 10/7/80 (45FR66754)  
CURRENT STATUS: PUBLIC MEETINGS SCHEDULED FOR EARLY DECEMBER IN NRC REGIONAL CITIES. INVITATIONS AND  
COPIES OF FRN SENT TO POTENTIAL PARTICIPANTS. PRESS RELEASE ON MEETINGS ISSUED 10/28.  
ISSUES:  
COMMISSION ACTION: APPROVAL OF PUBLICATION.

IV.B.1 REVISE PRACTICES FOR ISSUANCE OF INSTRUCTIONS AND INFORMATION TO LICENSEES (IE) IE REVISED: 10/80  
INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ROI/IE CONTACT: ED JORDAN (X28180)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: DEVELOP A MORE EFFICIENT AND EFFECTIVE MANAGEMENT METHOD FOR ISSUING INFORMATION AND  
REQUIREMENTS TO LICENSEES TO ELIMINATE THE DUPLICATION OF STAFF EFFORT FOR NRC AND LICENSEES. PROVIDE  
AN NRC-WIDE SYSTEM FOR TRACKING SAFETY ISSUES.  
SCHEDULE: (ORIGINAL) DECISION GROUP D. (CURRENT) ESTABLISH INTEROFFICE TASK GROUP TO REVIEW METHODS 06/81;  
PREPARE COMMISSION PAPER WITH RECOMMENDED METHODS 08/81; REVISE OFFICE PROCEDURES TO IMPLEMENT SELECTED  
METHOD(S) 11/81.  
ACCOMPLISHMENTS: NONE  
CURRENT STATUS:  
ISSUES: THE GAO CLEARANCE FOR GENERIC CORRESPONDENCE WAS RENEWED FOR AN INTERIM PERIOD UNTIL NOVEMBER 30, 1980  
BASED ON GAO BELIEF THAT THE GENERIC CLEARANCE HAD BEEN ABUSED. THE ADMINISTRATIVE AND LEGAL PROBLEMS  
ASSOCIATED WITH LOSS OR RESTRICTION OF THE GENERIC CLEARANCE IS UNDER REVIEW BY A SHORT TERM TASK GROUP.

IV.F.1 INCREASED IE SCRUTINY OF POWER ASCENSION TEST PROGRAM (IE) IE REVISED: 10/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ROI/IE CONTACT: SAM BRYAN (X28019)  
OTHER OFFICE/INDIVIDUAL: IE/R. H. WESSMAN  
PURPOSE AND SCOPE: INCREASE IE 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.  
SCHEDULE: (ORIGINAL) DEVELOP INSPECTION REQUIREMENTS 05/80; COMMENCE INSPECTION WHEN FACILITY STARTUP TESTING  
BEGINS (UNKNOWN). (CURRENT) INSPECTION REQUIREMENTS DEVELOPED 05/80; COMMENCE INSPECTION OF STARTUP  
TESTING (UNKNOWN).  
ACCOMPLISHMENTS: INSPECTION REQUIREMENTS ISSUED IN MAY 1980. FIRST NTOL POWER ESCALATION IS IN PROGRESS AND  
BEING WITNESSED AT NORTH ANNA 2.  
CURRENT STATUS: POWER ESCALATION WITNESSING PLANNED FOR SEQUOYAH IN 10/80. INSPECTION INCORPORATED INTO  
REVISED IE INSPECTION PROCEDURES.  
ISSUES: NONE

TMI ACTION PLAN TRACKING SYSTEM (APTS)

24 NOVEMBER 1980

SD (LEAD OFFICE) ACTION ITEMS (RUN DATE: 12/03)

SUMMARY OF ACTION ITEMS:

CHAPTER I : 9 (OPERATIONAL SAFETY)  
CHAPTER II : 6 (SITING AND DESIGN)  
CHAPTER III : 3 (EMERGENCY PREPAREDNESS AND RADIATION EFFECTS)  
CHAPTER IV : 5 (PRACTICES AND PROCEDURES)  
  
TOTAL 23

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

COMPLETE (IMPLEMENTATION) : 0  
REQMENT (REQUIREMENT ISSUED, IMPLEMENTATION  
NOT COMPLETE) : 0  
  
INACTIVE : 8 (4,1,0,3)  
PRIORITY '1' ITEMS : 0  
  
ACTIVE : 15 (5,5,3,2)  
PRIORITY '1' ITEMS : 3 (3,0,0,0)

\*RED AND YELLOW ITEMS : 3 (1,1,1,0)  
PRIORITY '1' ITEMS : 1 (1,0,0,0)  
  
\*COMMISSION ACTION ITEMS : 8 (4,2,2,0)  
PRIORITY '1' ITEMS : 1 (1,0,0,0)

COMMENTS:

COMMENTS OR QUESTIONS REGARDING THIS MATERIAL SHOULD BE DIRECTED TO  
PAUL VINEYARD, MPA (X27533, MNBB-12711)

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



- I.A.1.4 OPERATIONAL SAFETY - LONG-TERM UPGRADING (SD) SD REVISED: 11/80  
 GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
 COMMISSION(TACS: RS0181) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: WILLIAM CAMPBELL (X35913)  
 OTHER OFFICE/INDIVIDUAL: NRR/D. VASSALLO; IE/S. BRYAN; OELD/G. CUNNINGHAM  
 PURPOSE AND SCOPE: DEVELOP CHANGES TO 10 CFR 50 CONCERNING SHIFT STAFFING BY LICENSED OPERATORS AND WORKING HOURS OF LICENSED OPERATORS.  
 SCHEDULE: (ORIGINAL) SD, STAFF REVIEW OF COMMISSION FAPER - 09/80, COMPLETE ITEM - 01/82. (CURRENT) SD STAFF REVIEW IN PROGRESS.  
 ACCOMPLISHMENTS: 10/29 NRR & SD PARTIAL AGREEMENT ON WORKING HOUR LIMITATIONS.  
 CURRENT STATUS: 10/29 NRR SD MEETING DID NOT RESOLVE ALL ISSUES MEETING SCHEDULED FOR 11/12/80.  
 ISSUES: NUMBER OF LICENSED OPERATORS BASED ON NUMBER OF REACTORS, CONTROL ROOM CONFIGURATION & OPERATING MODE SHOULD CURRENT RULEMAKING BE EXPANDED TO INCLUDE NONLICENSED INDIVIDUALS.
- I.A.2.6(1) LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (SD) SD,NRR,IE,ADM REVISED: 11/80  
 GREEN \*\*COMPLETION DATE < FY 82 \*PRIORITY 1  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: STEVEN RICHARDSON (X35913)  
 OTHER OFFICE/INDIVIDUAL: NRR/P. COLLINS; IE/S. BRYAN  
 PURPOSE AND SCOPE: 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) ISSUE REG GUIDE 1.8 FOR PUBLIC COMMENT 09/80, ISSUE AN EFFECTIVE REG GUIDE 02/82.  
 ACCOMPLISHMENTS:  
 CURRENT STATUS: DRAFT GUIDE REVISION ISSUED 10/02/80.  
 ISSUES:
- I.A.2.6(2) LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (SD) SD,NRR,IE,ADM REVISED: 11/80  
 YELLOW \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
 COMMISSION (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: STEVEN RICHARDSON (X35913)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: STAFF REVIEW OF NRR-80-117 "REQUIREMENTS FOR OPERATOR LICENSING" & MAKE RECOMMENDATIONS TO THE COMMISSION.  
 SCHEDULE: (ORIGINAL) COMPLETE REVIEW - 9/80; SUBMIT PAPER TO COMMISSION 12/1/80; (CURRENT) SAME ONLY 1/15/81  
 ACCOMPLISHMENTS:  
 CURRENT STATUS: CONTRACT NOT YET COMPLETE - EXPECT COMPLETE BY 11/80.  
 ISSUES:  
 COMMISSION ACTION: REVIEW OPERATOR LICENSING GUIDELINES AND ESTABLISH APPROPRIATE CRITERIA.
- I.A.2.6(3) LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (SD) SD,NRR,IE,ADM REVISED: 11/80  
 GREEN \*\*COMPLETION DATE < FY 82 \*PRIORITY 1  
 COMMISSION (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: STEVEN RICHARDSON (X35913)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: REVISE 10 CFR 55 TO INCLUDE MANDATORY SIMULATOR TRAINING, MANDATORY OPERATING TESTS AT SIMULATORS, AND NRC ADMINISTRATION OF REQUALIFICATION EXAMS.  
 SCHEDULE: (ORIGINAL) ISSUE PROPOSED RULE FOR COMMENT 10/80; ISSUE EFFECTIVE FUEL 09/81. (CURRENT) SAME AS ORIGINAL.  
 ACCOMPLISHMENTS:  
 CURRENT STATUS: COMMISSION PAPER SENT TO EDO 10/27/80.  
 ISSUES:  
 COMMISSION ACTION: REVIEW OPERATOR LICENSING GUIDELINES AND ESTABLISH APPROPRIATE CRITERIA.
- I.A.2.6(4) LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (SD) SD,NRR,IE,ADM REVISED: 10/80  
 GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 COMMISSION(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: JOE MCMILLEN (X27476)  
 OTHER OFFICE/INDIVIDUAL: IE/S. BRYAN  
 PURPOSE AND SCOPE: DEVELOP PAPER FOR COMMISSION REVIEW REGARDING WORKSHOPS FOR LICENSED PERSONNEL.  
 SCHEDULE: (ORIGINAL) PROVIDE PAPER FOR COMMISSION ACTION 01/81. (CURRENT) ON SCHEDULE WILL START DRAFT

SEPTEMBER 2, 1980.  
ACCOMPLISHMENTS: NONE TO DATE.  
CURRENT STATUS: ON SCHEDULE.  
ISSUES: NONE

I.A.2.6(6) LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (SD) SD,NRR,IE,ADM REVISED: 10/80  
GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
COMMISSION(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: JOE MCMILLEN (X27476)  
OTHER OFFICE/INDIVIDUAL: IE/S. BRYAN  
PURPOSE AND SCOPE: 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) ON SCHEDULE.  
ACCOMPLISHMENTS: CONTRACT LETTER 05/80. INTERIM REPORT DUE 08/80.  
CURRENT STATUS: CONTRACT WORK ON SCHEDULE.  
ISSUES: NONE

I.A.3.3 ESTABLISH REQUIREMENTS FOR OPERATOR FITNESS (SD) SD REVISED: 11/80  
INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY -  
COMMISSION(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: STEVEN RICHARDSON (X35913)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: DEVELOP REQUIREMENTS FOR OPERATOR FITNESS (STRESS, MALEVOLENCE, ALCOHOL AND DRUG ABUSE)  
FOR CONSIDERATION BY THE COMMISSION.  
SCHEDULE: (ORIGINAL) (CURRENT)  
ACCOMPLISHMENTS:  
CURRENT STATUS:  
ISSUES: DECISION GROUP D ITEM, NO FIRM SCHEDULE HAS BEEN DEVELOPED AT THIS TIME.

I.A.4.2 TRAINING SIMULATOR IMPROVEMENTS - LONG-TERM (SD) SD,RES,NRR REVISED: 11/80  
GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: 42454) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: ELLIS MERSCHOFF (X35913)  
OTHER OFFICE/INDIVIDUAL: NRR/J. MCMILLEN; RES/W. S. FARMER  
PURPOSE AND SCOPE: PERFORM RESEARCH STUDIES TO IMPROVE THE USE OF SIMULATORS. IMPROVE CAPABILITIES, STUDY  
OPERATOR RESPONSE TIME. CONDUCT SIMULATED EXPERIMENTS. UPGRADE ANS 3.5. ISSUE AN EFFECTIVE REG GUIDE.  
SCHEDULE: (ORIGINAL) ORNL COMPLETE RESEARCH CONTRACT 04/81; ANS ISSUE REVISED SIMULATOR STANDARD 12/80; SD ISSUE  
AN EFFECTIVE REG GUIDE 09/81. (CURRENT) ORNL COMPLETE RESEARCH CONTRACT 04/81; ANS ISSUE REVISED SIMULATOR  
STANDARD 03/81; SD ISSUE AN EFFECTIVE REG GUIDE 08/81.  
ACCOMPLISHMENTS: ISSUED REG GUIDE (RS-110-5) FOR PUBLIC COMMENT JULY 31, 1980, ANS 3.5 REVISED MARCH 24, 1980.  
CURRENT STATUS: NUPPSO COMMENTS ARE IN PROCESS OF BEING RESOLVED BY ANS 3.5 WORKING GROUP. SIXTY DAY PUBLIC  
COMMENT PERIOD FOR REG GUIDE EXPIRED 10/80. REVISED REG. GUIDE ROUTED FOR STAFF REVIEW 11/08/80.  
(RES) FINAL SEQUOYAH TESTS TO BE CONDUCTED FOR PWR SIMULATOR IN 12/80. FINAL REPORT ON SEQUOYAH  
SIMULATOR TESTS TO BE ISSUED 3/81. NEGOTIATIONS UNDERWAY WITH GENERAL PHYSICS TO CONDUCT BWR ABNORMAL  
EVENTS TESTS ON IVA BROWNS FERRY SIMULATORS BETWEEN 3/81 AND 9/81. SITE SURVEYS AT PWR PLANTS TO BE  
CONDUCTED BY MEMPHIS STATE BY 4/81 AND FINAL REPORT BY 06/81. MEMPHIS STATE WILL INITIATE BWR SITE  
REVIEWS BY 04/81 AND COMPLETE THESE REVIEWS BY 10/81/ DRAFT OF BWR SAFETY RELATED OPERATOR ACTION TO  
BE COMPLETED BY 01/82 AND FINAL REPORT SUBMITTED BY 04/82.  
ISSUES: NONE

I.B.1.3 MANAGEMENT FOR OPERATIONS - LOSS OF SAFETY FUNCTION (SD) SD,ADM REVISED: 10/80  
INACTIVE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(SEE (TACS: ) RESPONSIBLE BRANCH/DIVISION: SCSB/DES CONTACT: GUNTER ARNDT (X35997)  
IV.A.2) OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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.  
ACCOMPLISHMENTS:  
CURRENT STATUS: THIS ITEM HAS BEEN TERMINATED IN FAVOR OF THE ENFORCEMENT POLICY ITEM. (IV.A.2)

ISSUES:

- I.D.4 CONTROL ROOM DESIGN STANDARD (SD) SD,ADM REVISED: 10/80  
 GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
 (TACS: 42285) RESPONSIBLE BRANCH/DIVISION: RSSB/SD CONTACT: ELLIS MERSCHOFF (X35913)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: DEVELOP GUIDANCE ON THE DESIGN OF CONTROL ROOMS TO INCORPORATE HUMAN FACTORS  
 CONSIDERATIONS.  
 SCHEDULE: (ORIGINAL) INITIATION DATE 6/16/80. IEEE STANDARD AVAILABLE 1/7/81. DRAFT GUIDE ISSUE FOR COMMENTS  
 7/31/81. (CURRENT) SAME AS ORIGINAL.  
 ACCOMPLISHMENTS: NONE  
 CURRENT STATUS: PRELIMINARY RESEARCH  
 ISSUES: TO BE DETERMINED.
- I.E.5 NUCLEAR PLANT RELIABILITY DATA SYSTEM (SD) SD REVISED: 11/80  
 INACTIVE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
 (SEE (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: ERIC WEISS (X35913)  
 I.E.6) OTHER OFFICE/INDIVIDUAL: AEOD/F. HEBDON; SD/M. MEDEIROS  
 COMMISSION PURPOSE AND SCOPE: 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  
 ACCOMPLISHMENTS: SAME AS ORIGINAL.  
 CURRENT STATUS: NOW INCLUDED IN TASK I.E.6  
 ISSUES:
- I.F.1 QUALITY ASSURANCE - EXPAND QA LIST (SD) SD,NRR,IE REVISED: 11/80  
 GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RSSB/SD CONTACT: STEVEN RICHARDSON (X35913)  
 OTHER OFFICE/INDIVIDUAL: IE/F. NOLAN; NRR/S. RICHARDSON  
 PURPOSE AND SCOPE: DEVELOP GUIDANCE TO EXPAND QA LIST TO INCLUDE ALL PLANT ITEMS THAT OFFER SAFETY.  
 SCHEDULE: (ORIGINAL) ISSUE REGULATORY GUIDES 9/83 AND IMPLEMENTATION 12/83. (CURRENT) NO CHANGE.  
 ACCOMPLISHMENTS: NONE  
 CURRENT STATUS: A) RULE CHANGE IN PROCESS TO DEFINE APPLICABILITY OF APPENDIX B TO APPENIX A. B) QAB REQUIRING  
 EXPANDED QA LIST FOR SPECIAL PLANTS (TMI-1 RESTART, ZION 1&2 AND INDIAN POINTS 2&3)  
 ISSUES: NONE
- I.F.2 QUALITY ASSURANCE - DEVELOP MORE DETAILED QA CRITERIA (SD) SD REVISED: 11/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY -  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: STEVEN RICHARDSON (X35913)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: SD WILL DEVELOP MORE DETAILED QA CRITERIA FOR DESIGN, CONSTRUCTION, AND OPERATIONS.  
 SCHEDULE: (ORIGINAL) (CURRENT)  
 ACCOMPLISHMENTS:  
 CURRENT STATUS: ACTION ON TASK NOT YET SCHEDULED.  
 ISSUES:



II.A.1 SITING POLICY REFORMULATION (SD) NRR,SD,RES,ADM REVISED: 10/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
COMMISSION(TACS: 5365) RESPONSIBLE BRANCH/DIVISION: SAB CONTACT: JAN NORRIS (X28437)  
OTHER OFFICE/INDIVIDUAL: NRR/L. SOFFER, D. CLEARY, R. BLOND  
PURPOSE AND SCOPE: 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 OSD; PUBLIC FINAL RULE - TO BE ESTABLISHED JOINTLY WITH OSD. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: 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 LABORATORIES (SL) 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 SL AND PAS FOR THE STUDY. SL ENGAGED SAI TO ASSIST IN DATA PROCESSING AND IS PRESENTLY NEGOTIATING AN AGREEMENT WITH DAMES & MOORE TO CONDUCT IMPACT STUDIES.  
CURRENT STATUS: SAME AS ACCOMPLISHMENTS  
ISSUES: NONE TO DATE.

II.B.8 SAFETY REVIEW CONSIDERATION - RULEMAKING PROCEEDING SD,NRR,ADM,RES REVISED: 10/80  
GREEN ON DEGRADED-CORE ACCIDENTS (SD)  
COMMISSION\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: 42849) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: MANUEL MEDEIROS (X35913)  
OTHER OFFICE/INDIVIDUAL: NRR/J. MEYER, S. ISRAEL, T. SPEIS  
PURPOSE AND SCOPE: DEVELOP RULEMAKING ON CONSIDERATION OF DEGRADED OR MELTED CORES IN DESIGN AND SAFETY REVIEWS. INCLUDED IS A COMPREHENSIVE REVIEW AND EVALUATION OF RELATED REGULATIONS AND REGULATORY GUIDES TO ASSURE DEGRADED COOLING IS CONSIDERED AND APPLIED IN A UNIFORM AND CONSISTENT MANNER.  
SCHEDULE: (ORIGINAL) ADVANCE NOTICE FOR RULEMAKING - 10/80; PROPOSED INTERIM RULE FOR H2 CONTROL, ETC. - 10/80; EFFECTIVE INTERIM RULE FOR H2 CONTROL, ETC. 01/81; (CURRENT) PROPOSED RULE FOR DEGRADED COOLING - 01/82; EFFECTIVE RULE FOR DEGRADED COOLING - 01/83\*. \*ASSUMING NO HEARING.  
ACCOMPLISHMENTS: ADVANCE NOTICE FOR RULEMAKING FOR DEGRADED COOLING AND PROPOSED INTERIM RULE FOR HYDROGEN CONTROL AND CERTAIN DEGRADED CORE CONSIDERATIONS APPROVED FOR PUBLICATION IN THE FEDERAL REGISTER.  
CURRENT STATUS: AN ANR FOR DEGRADED COOLING WAS PUBLISHED FOR A 90-DAY PUBLIC COMMENT PERIOD ON 10/02/80. THIS RULEMAKING CONSIDERS TO WHAT EXTENT, IF ANY, NUCLEAR POWER PLANTS SHOULD BE DESIGNED TO DEAL EFFECTIVELY WITH DEGRADED OR CORE-MELT ACCIDENTS AND TO MITIGATE THEIR CONSEQUENCES.  
ISSUES: THE LONG-TERM DEGRADED CORE COOLING RULEMAKING INVOLVES MANY SIGNIFICANT ISSUES AND PROBLEMS TO BE RESOLVED. THE ANR SOLICITS PUBLIC COMMENTS REGARDING MANY OF THEM. THE BASIC ISSUE IS WHAT CHANGES, IF ANY, SHOULD BE REQUIRED IN THE SAFETY DESIGN BASIS OF NUCLEAR POWER PLANTS.

II.E.3.5 DECAY HEAT REMOVAL - REGULATORY GUIDE (SD) SD REVISED: 10/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: EMSB/DES CONTACT: RAJENDER AULUCK (X35921)  
OTHER OFFICE/INDIVIDUAL: NRR/C. GRAVES, OSD/T. SCARBROUGH  
PURPOSE AND SCOPE: 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 - 10/80, ISSUE EFFECTIVE REVISION 1 TO R.G. 1.139 09/81.  
ACCOMPLISHMENTS: REVISION 1 TO R.G. 1.139 COMPLETED AND SENT TO NRR FOR CONCURRENCE (06/80).  
CURRENT STATUS: CURRENTLY NRR IS REVIEWING THE IMPLEMENTATION SECTION OF PROPOSED REV. 1 TO REGULATORY GUIDE 1.139 AND THE GUIDE WILL BE ISSUED FOR COMMENT AS SOON AS NRR COMPLETES THE REVIEW.  
ISSUES:

II.F.3 INSTRUMENTATION FOR MONITORING ACCIDENT NRR,SD,IE REVISED: 11/80  
GREEN CONDITIONS (REG. GUIDE 1.97) (SD)



\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: R53B/DES CONTACT: ALAN HINTZE (X35913)  
OTHER OFFICE/INDIVIDUAL: NRR/J. ROSENTHAL  
PURPOSE AND SCOPE: 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. ISSUE EFFECTIVE  
REG GUIDE 1.97 - 12/80.  
ACCOMPLISHMENTS:  
CURRENT STATUS: WAS REVIEWED BY ACRS 08/06 & 08/07. WAS REFERRED BACK TO STAFF TO REFORMAT GUIDE AND TO  
TRY TO OBTAIN MORE COMPLETE INDUSTRY AGREEMENT ON SCOPE AND TECHNICAL APPROACH.  
ISSUES: OBTAINING INDUSTRY APPROVAL ON SCOPE OF GUIDE. INDUSTRIES CONCEPT ON ACCIDENT MONITORING IS LIMITED  
TO ACCIDENT DETECTION. REVIEWED BY ACRS 11/5 AND 11/7/80. APPROVED WITH COMMENTS 11/08/80.  
SHOULD BE ISSUED BY 01/81.

II.F.5  
YELLOW  
CLASSIFICATION OF INSTRUMENTATION, CONTROL,  
AND ELECTRICAL EQUIPMENT (SD) SD REVISED: 11/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: R53B/DES CONTACT: ERIC WEISS (X35913)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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.  
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.  
ACCOMPLISHMENTS: NONE  
CURRENT STATUS: NUREC REVIEW RESULTED IN STANDARD RETURNED TO WORK GROUP FOR IMPROVEMENT NEXT MEETING 1/81.  
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.

II.J.3.2  
INACTIVE  
(SEE  
I.B.1.1)  
MANAGEMENT FOR DESIGN AND CONSTRUCTION - ISSUE REG. GUIDE (SD) SD,ADM REVISED: 10/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY 3  
(TACS: 42061) RESPONSIBLE BRANCH/DIVISION: SCSB CONTACT: HANK ASHAR (X35997)  
OTHER OFFICE/INDIVIDUAL: NRR/J. SNELL  
PURPOSE AND SCOPE: DEVELOP CRITERIA TO IMPROVE LICENSE APPLICANTS' OVERSIGHT OF DESIGN, CONSTRUCTION  
AND MODIFICATION ACTIVITIES.  
SCHEDULE: (ORIGINAL) CRITERIA - FOLLOW SCHEDULE I.B.1.1, PARTS (1)-(5). SD TO ISSUE REG. GUIDE FOR  
COMMENT BY 03/81 AND FINAL BY 08/81. (CURRENT) PROVIDE SD WITH DRAFT MATERIAL 10/80.  
ACCOMPLISHMENTS: WORKING ON I.B.1.1 FIRST. NO SPECIFIC ACCOMPLISHMENTS FOR THIS TASK.  
CURRENT STATUS: CONSIDERING HOW TO EXPAND I.B.1.1 TO INCLUDE CRITERIA FOR DESIGN AND CONSTRUCTION ACTIVITIES.  
ISSUES: NEED TO COMPLETE ACCEPTABLE DRAFT OF I.B.1.1 WHICH II.J.3.2 IS DEPENDENT ON.

III.A.2.1 AMEND 10 CFR 50 AND APPENDIX E (TO PART 50) (SD) SD,SP REVISED: 10/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
COMMISSION(TACS: 42429) RESPONSIBLE BRANCH/DIVISION: EPLB, EPPD CONTACT: FRANK PAGANO (X27846)  
OTHER OFFICE/INDIVIDUAL: NRR/STEVE RAMOS  
PURPOSE AND SCOPE: NEW RULE AND CRITERIA WILL REQUIRE 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 75 DAYS AFTER PUBLICATION WITHIN 60 DAYS AFTER EFFECTIVE DATE OF THIS AMENDMENT,  
EACH NUCLEAR POWER REACTOR LICENSEE SHALL SUBMIT TO NRC PLANS FOR COPING WITH EMERGENCIES THAT MEET STANDARDS  
IN SECTION 50.47 (B) AND THE REQUIREMENTS OF APPENDIX E, 10 CFR PART 50.  
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 OFF-SITE 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.  
COMMISSION ACTION: REVIEW AND APPROVE

III.D.3.2 HEALTH PHYSICS IMPROVEMENTS (SD) SD REVISED: 11/80  
GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY -  
COMMISSION(TACS: ) RESPONSIBLE BRANCH/DIVISION: OHSB CONTACT: ROBERT ALEXANDER (X35975)  
OTHER OFFICE/INDIVIDUAL: OHSB/N. DENNIS, W. COOL, S. MCGUIRE  
PURPOSE AND SCOPE: A) ESTABLISH REGULATORY CERTIFICATION PROGRAM FOR PERSONNEL DOSIMETRY  
PROCESSORS. B) ESTABLISH REGULATORY CERTIFICATION PROGRAM FOR HEALTH PHYSICS SURVEY  
INSTRUMENTS. C) SPECIFY ACCEPTABLE CONDITIONS FOR USE OF AUDIBLE ALARM DOSIMETERS.  
SCHEDULE: (ORIGINAL) (CURRENT) PUBLICATION OF PROPOSED RULE FOR COMMENTS 07/81;  
AWARD OF CONTRACT TO CONDUCT PILOT STUDY OF STANDARD. 06/81; PUBLICATION OF REGULATORY  
GUIDE IN ACTIVE FORM 02/81.  
ACCOMPLISHMENTS: PUBLICATION OF ADVANCE NOTICE OF RULEMAKING, MARCH 28, 1980. FIRST DRAFT  
OF STANDARD COMPLETED IN 10/80. PUBLICATION OF REGULATORY GUIDE OH804-4 FOR COMMENT, 08/79.  
CURRENT STATUS: COMMISSION PAPER FOR PROPOSED RULE IN PREPARATION. PREPARING TO ISSUE RFP FOR  
A PILOT TEST OF NEW STANDARD. REVISION OF REGULATORY GUIDE IN PROGRESS FOR PUBLICATION  
IN ACTIVE FORM.  
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, E.G., NIOSH, NAVLAP.  
COMMISSION ACTION: REVIEW OF REG. GUIDE. COMMISSION AUTHORITY HAS NOT BEEN ESTABLISHED FOR  
PARTS OF THIS TASK.

III.D.3.5 RADIATION WORKER EXPOSURE DATA BASE (SD) SD REVISED: 11/80  
YELLOW \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RHSB/DSHSS CONTACT: ROBERT GOLDSMITH (X35860)  
OTHER OFFICE/INDIVIDUAL: RHSB/D. FLACK  
PURPOSE AND SCOPE: 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)  
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 BEING MADE WITH OTHER NRC OFFICES, DOE AND EPRI TO DETERMINE WHAT RELATED DATA  
HAS ALREADY BEEN COLLECTED. 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.

ISSUES: EXACT SCOPE, SCHEDULES AND RESOURCES DEPENDENT ON PASSAGE OF MOFFETT AMENDMENT, PART OF PENDING  
H.R. 6628, NRC FY '81 AUTHORIZATION BILL.

IV.E.4 GREEN	RESOLVE GENERIC ISSUES BY RULEMAKING (SD) **COMPLETION DATE > FY81 *PRIORITY 2 (TACS: ) RESPONSIBLE BRANCH/DIVISION: SCSB/DES CONTACT: LOUIS FRANK (X35997) OTHER OFFICE/INDIVIDUAL: PURPOSE AND SCOPE: 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 AS ORIGINAL. ACCOMPLISHMENTS: CURRENT STATUS: ISSUES: NEED TO IDENTIFY COGNIZANT NRR PERSONNEL FOR GUIDANCE AND REVIEW OF PROGRAM UNDER DEVELOPMENT.	SD,ADM REVISED: 11/80
*IV.G.2 INACTIVE	PERIODIC AND SYSTEMATIC REEVALUATION OF EXISTING RULES (SD) **COMPLETION DATE > FY81 *PRIORITY 3 (TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: PAT RATHBUN (X35981) OTHER OFFICE/INDIVIDUAL: PURPOSE AND SCOPE: IN COMPLIANCE WITH EXECUTIVE ORDER 12044, REVIEW RULES AND REGULATIONS FOR CLARITY OF EXPRESSION AND MEANING. SCHEDULE: (ORIGINAL) SCHEDULE WILL BE ESTABLISHED IN NORMAL NRC BUDGETARY PROCESS. ACCOMPLISHMENTS: NONE CURRENT STATUS: NONE ISSUES: NONE	SD REVISED: 10/80
*IV.G.3 INACTIVE	IMPROVE RULEMAKING PROCEDURES (SD) **COMPLETION DATE > FY81 *PRIORITY 3 (TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: PAT RATHBUN (X35981) OTHER OFFICE/INDIVIDUAL: PURPOSE AND SCOPE: 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	SD REVISED: 10/80
*IV.G.4 INACTIVE	STUDY ALTERNATIVES FOR IMPROVED RULEMAKING PROCESS (SD) **COMPLETION DATE > FY81 *PRIORITY 3 (TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: PAT RATHBUN (X35981) OTHER OFFICE/INDIVIDUAL: PURPOSE AND SCOPE: 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. SCHEDULE: (ORIGINAL) SCHEDULE WILL BE ESTABLISHED IN NORMAL NRC BUDGETARY PROCESS. ACCOMPLISHMENTS: NONE CURRENT STATUS: NONE ISSUES: NONE	SD REVISED: 10/80
IV.H GREEN	NRC PARTICIPATION IN THE RADIATION POLICY COUNCIL (SD) **COMPLETION DATE > FY81 *PRIORITY 3 (TACS: ) RESPONSIBLE BRANCH/DIVISION: RHSB/DSHSS CONTACT: ED PODOLAK (X35960) OTHER OFFICE/INDIVIDUAL: PURPOSE AND SCOPE: 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: THE RPC HELD THE FIRST TWO OF ITS SCHEDULE QUARTERLY MEETINGS ON MAY 14, 1980 AND SEPTEMBER 25, 1980. THE COUNCIL'S FIRST PROGRESS REPORT WAS SUBMITTED TO THE PRESIDENT ON SEPT. 30, 1980.	SD REVISED: 11/80



CURRENT STATUS: THE RPC HOLDS QUARTERLY PUBLIC MEETINGS AND SUBMITS WORKING GROUP MEETS SEMIMONTHLY TO  
CARRYOUT THE COUNCIL'S DIRECTIVES AND PREPARE DECISION PAPERS FOR COUNCIL ACTION.  
ISSUES:

TMI ACTION PLAN TRACKING SYSTEM (APTS)

24 NOVEMBER 1980

RES (LEAD OFFICE) ACTION ITEMS (RUN DATE: 12/03)

SUMMARY OF ACTION ITEMS:

CHAPTER I : 6 (OPERATIONAL SAFETY)  
CHAPTER II : 8 (SITING AND DESIGN)  
CHAPTER III : 0 (EMERGENCY PREPAREDNESS AND RADIATION EFFECTS)  
CHAPTER IV : 1 (PRACTICES AND PROCEDURES)  
  
TOTAL 15

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

COMPLETE (IMPLEMENTATION) : 1 (1,0,0,0)  
PRIORITY '1' ITEMS : 0  
  
REQMENT (REQUIREMENT ISSUED, IMPLEMENTATION  
NOT COMPLETE) : 0  
  
INACTIVE : 0  
  
ACTIVE : 14 (5,8,0,1)  
PRIORITY '1' ITEMS : 3 (1,2,0,0)

\*RED AND YELLOW ITEMS : 4 (1,3,0,0)  
PRIORITY '1' ITEMS : 0  
  
\*COMMISSION ACTION ITEMS : 3 (2,1,0,0)  
PRIORITY '1' ITEMS : 0

COMMENTS:

COMMENTS OR QUESTIONS REGARDING THIS MATERIAL SHOULD BE DIRECTED TO  
PAUL VINEYARD, MPA (X27533, MNBB-12711)

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

I.A.4.3 FEASIBILITY STUDY FOR PROCUREMENT OF TRAINING  
GREEN SIMULATOR (RES) RES REVISED: 11/80  
COMMISSION\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: DRSR CONTACT: STANISLAV FABIC (X74275)  
OTHER OFFICE/INDIVIDUAL: SD/E. MERSCHOFF; RES/W. FARMER  
PURPOSE AND SCOPE: 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) STUDY PROCEDURES FOR VALIDATING SIMULATOR FIDELITY 09/80; INTERIM REPORT DUE 01/81;  
PUBLISHED REPORT DISTRIBUTED 06/81. (CURRENT) STUDY REVIEWED WITH OSD AND NRR 09/80.  
ACCOMPLISHMENTS: STUDY INITIATED.  
CURRENT STATUS: WORK ON THIS ITEM IS BEING CARRIED OUT UNDER RES SELF-ENDORSED PROJECT RES-80-20,  
"IMPROVEMENT OF EXISTING SIMULATORS," 11/80.  
ISSUES: PROGRAMMATIC VIEWS OF ADM RICKOVER ON USE OF TRAINING SIMULATORS HAVE BEEN ADDED AS A  
SUPPLEMENTARY TASK.

I.A.4.4 FEASIBILITY STUDY TO EVALUATE POTENTIAL VALUE  
GREEN OF NRC ENGINEERING COMPUTER (RES) RES REVISED: 11/80  
(SEE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
I.A.4.3) (TACS: ) RESPONSIBLE BRANCH/DIVISION: DRSR CONTACT: STANISLAV FABIC (X74275)  
COMMISSION OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:  
SCHEDULE: (ORIGINAL)  
ACCOMPLISHMENTS:  
CURRENT STATUS: WORK UNDER THIS ITEM IS BEING CARRIED OUT UNDER RES SELF-ENDORSED PROJECT  
RES 80-20, "IMPROVEMENT OF EXISTING SIMULATORS," 11/80.  
ISSUES:

I.D.5(1) CONTROL ROOM DESIGN - IMPROVED INSTRUMENTATION RESEARCH (RES) RES,ADM REVISED: 11/80  
YELLOW OPERATOR - PROCESS COMMUNICATION  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: OSRB/RSR CONTACT: RAY DI SALVO (X74260)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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 SYS. RECOMMENDATIONS DEVELOPED 10/80. INITIAL ALARM SYS RECOMMENDATION DEVELOPED 02/81.  
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, 1080. A REVIEW OF  
ALARM UTILIZATION IN TEST REACTORS WAS COMPLETED 06/80.  
CURRENT STATUS: ALTERNATIVE METHODS FOR PROCESSING AND DISPLAYING INFORMATION THROUGH CRT TERMINALS ARE  
BEING EVALUATED DURING LOFT EXPERIMENTS. OPERATOR PREFERENCES ARE BEING NOTED. A REVIEW OF ALARM  
UTILIZATION IN TWO COMMERCIAL OPERATING REACTORS HAS BEEN PERFORMED AND REPORTS ARE BEING PREPARED.  
NRR AND SD ARE REVIEWING AN RES REQUEST FOR ENDORSEMENT OF THESE EFFORTS.  
ISSUES: AS OF 10/80, NRR AND SD HAVE YET TO PROVIDE A WRITTEN REQUEST FOR OR ENDORSEMENT OF THIS RESEARCH  
IN SPITE OF ITS INCORPORATION INTO THE ACTION PLAN. RES WILL BE FORCED TO SIGNIFICANTLY CURTAIL WORK  
UNLESS ENDORSEMENT IS RECEIVED. FOLLOW-ON EFFORTS RELATED TO ALARM UTILIZATION AND PRIORITIZATION  
AWAIT A CLEARER ARTICULATION OF NEEDS BY USER OFFICES.

I.D.5(2) CONTROL ROOM DESIGN - IMPROVED INSTRUMENTATION RESEARCH (RES) RES,ADM REVISED: 11/80  
YELLOW PLANT STATUS AND POST ACCIDENT MONITORING  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: SRB/RSR CONTACT: RAY DI SALVO (X74260)  
OTHER OFFICE/INDIVIDUAL: RES/OSRB/H. SCOTT  
PURPOSE AND SCOPE: 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. INSTR AND ESF STATUS MONITORING NEEDS ARE RECOMMENDED. SCHEDULE: (ORIGINAL) STATUS MONITORING REQUIREMENTS CONFIRMED 12/80. (CURRENT) PWR INSTRUMENTATION REQ'S. CONFIRMED 08/80 (COMPLETE). ESF STATUS MONITORING REQUIREMENTS CONFIRMED 02/81/ BWR INSTRUMENTATION CONFIRMED 04/81.

ACCOMPLISHMENTS: PWR INSTRUMENTATION REQUIREMENTS WERE CONFIRMED AND RESULTS USED AS INPUT TO REVISION OF REG. GUIDE 1.97. RESULTS WERE TRANSMITTED TO NRR & SD VIA RESEARCH INFO LETTER #98, 08/80.

CURRENT STATUS: PRELIMINARY WORK ON ESF STATUS MONITORING REQUIREMENTS IS COMPLETE AND A DRAFT REPORT IS BEING PREPARED. RESULTS SHOULD ASSIST NRR AND SD IN ADDRESSING REVISION AND IMPLEMENTATION OF REG. GUIDE 1.47. BWR ACCIDENT SEQUENCES ARE BEING ANALYZED FOR INSTRUMENTATION REQUIREMENTS. EXTENSION OF THE PROGRAM TO DEVELOP DIAGNOSTIC ALGORITHMS FOR ADVANCED DISTURBANCE ANALYSIS AND SURVEILLANCE SYSTEMS IS BEING CONSIDERED. NRR AND SD ARE REVIEWING AN RES REQUEST FOR ENDORSEMENT OF THIS PROGRAM.

ISSUES: AS OF 10/80, NRR AND SD HAVE YET TO PROVIDE A WRITTEN REQUEST FOR OR ENDORSEMENT OF THIS RESEARCH IN SPITE OF ITS INCORPORATION IN ACTION PLAN AND UTILIZATION OF RESULTS ALREADY GENERATED. RES WILL BE FORCED TO HALT WORK UNLESS ENDORSEMENT IS RECEIVED.

I.D.5(5)  
YELLOW

CONTROL ROOM DESIGN - IMPROVED INSTRUMENTATION RESEARCH (RES)

RES,ADM

REVISED: 11/80

DISTURBANCE ANALYSIS SYSTEMS

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RES/RSR

CONTACT: RAY DI SALVO (X74260)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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: IMPROVED DISPLAY AND DIAGNOSTIC SYSTEM INSTALLED IN LOFT SINCE 02/80 AND HAS BEEN USED TO MONITOR REACTOR BEHAVIOR DURING SMALL BREAKS AND TRANSIENTS. NRC STAFF AND CONTRACTORS PARTICIPATED IN EPRI & DOE EFFORTS TO ESTABLISH FUNCTIONAL & DESIGN REQUIREMENTS FOR A PROTOTYPE DAS.

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 EXPERIEMENTS. PROGRESS ON OTHER PROTOTYPE SYSTEMS IS BEING MONITORED. NRR AND SD ARE REVIEWING AN RES REQUEST FOR ENDORSEMENT OF THESE EFFORTS.

ISSUES: AS OF 10/80, NRR AND SD HAVE YET TO PROVIDE A WRITTEN REQUEST FOR OR ENDORSEMENT OF THIS RESEARCH IN SPITE OF ITS INCORPORATION INTO THE LESSONS LEARNED TASK FORCE REPORT AND ACTION PLAN. RES WILL BE FORCED TO SIGNIFICANTLY CURTAIL WORK UNLESS ENDORSEMENT IS RECEIVED.

I.D.6  
COMPLETE

CONTROL ROOM DESIGN - TECHNOLOGY TRANSFER CONFERENCE (RES)

RES,ADM

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3

(TACS: 42326) RESPONSIBLE BRANCH/DIVISION: RES

CONTACT: LOUIS RIB (X74320)

OTHER OFFICE/INDIVIDUAL: NRR/L. BELTRACHI, R. DISALVO, S. HANAVER; RES/T.MURLEY

PURPOSE AND SCOPE: 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: FOLLOWUP IS CONTINUING BASED ON PERSONAL CONTACTS MADE AT THE CONFERENCE AND AT LEAST ONE FOLLOWUP SPECIAL CONFERENCE IS PLANNED FOR THE FUTURE, NAMELY RISK ASSESSMENT.

ISSUES:



I.E.3  
GREEN

OPERATIONAL SAFETY DATA ANALYSIS (RES)

RES

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: SRR/RES CONTACT: WILLIAM VESELY (X74505)

OTHER OFFICE/INDIVIDUAL: RES/R. DENNIG, J. JOHNSON

PURPOSE AND SCOPE: TO STRENGTHEN WORK ON THE ANALYSIS OF EQUIPMENT FAILURE DATA, AND TO DEVELOP ERROR DATA ANALYSIS FOR NUCLEAR POWER PLANT OPERATIONS.

SCHEDULE: (ORIGINAL) (CURRENT)

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 PIPING FAILURES INCORPORATING EFFECTS OF TIME DEPENDENCE AND TESTING.

ISSUES:

I.E.8  
GREEN

HUMAN ERROR RATE ANALYSIS (RES)

RES

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: SRR/RES CONTACT: WILLIAM VESELY (X74505)

OTHER OFFICE/INDIVIDUAL: RES/J. JENKINS

PURPOSE AND SCOPE: 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. (CURRENT)

ACCOMPLISHMENTS: TWO DRAFT REPORTS 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.

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 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:

II.B.5(1)  
GREEN

SAFETY REVIEW CONSIDERATION - RESEARCH ON PHENOMENA  
ASSOCIATED WITH DEGRADED CORE (RES)  
BEHAVIOR OF SEVERLY DAMAGED CORE - IN-PILE STUDIES

RES

REVISED: 11/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: DRSR CONTACT: MARION PICKLESIMER (X74266)  
OTHER OFFICE/INDIVIDUAL: RES/M. SILBERBERG; NRR/W. JOHNSTON  
PURPOSE AND SCOPE: DETERMINE CHARACTERISTICS OF FORMATION AND PROPERTIES OF DEBRIS PRODUCED  
BY A DISINTEGRATING LWR CORE DAMAGED BEYOND PRESENT DESIGN BASIS ACCIDENT LIMITS.  
SCHEDULE: (ORIGINAL) COMPLETE FIVE SEVERE FUEL DAMAGE TESTS IN BUNDLES 04/85; COMPLETE DATA  
ANALYSES, CHARACTERIZATION OF DEBRIS 09/86; ISSUE TOPICAL REPORTS ON SEVERE FUEL DAMAGE  
TESTS 09/87. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: 09/80 - CONCEPTUAL TEST DESIGN COMPLETED, CONCEPTUAL 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 UNDERWAY. TEST MATRIX ESTABLISHED FOR  
INITIAL PHASE OF TESTING. EXPERIMENTAL PROGRAM COORDINATED WITH OTHER SEVERE ACCIDENT  
STUDIES IN NRC, PNS/KFK, JAERI.  
ISSUES: FUNDS LIMITATIONS SLOW CONDUCT OF TEST MATRIX, EXTEND TIME SCALE OF PROGRAM.  
COMPETING TEST DATA REQUIREMENTS MAKE CONSENSUS ON TEST CONFIGURATION DIFFICULT TO  
OBTAIN. SIMILAR TESTS HAVE NEVER BEEN CONDUCTED BEFORE EXCEPT AT TMI-2. LIMITED  
INFORMATION AVAILABLE FOR PLANNING TEST AND PREDICTING RESULTS.

II.B.5(2)  
YELLOW

SAFETY REVIEW CONSIDERATION - RESEARCH ON PHENOMENA  
ASSOCIATED WITH DEGRADED CORE (RES)  
BEHAVIOR OF CORE MELT

RES

REVISED: 11/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: DRSR CONTACT: CHARLES KELBER (X74320)  
OTHER OFFICE/INDIVIDUAL: AASTR/R. CURTIS; EASTR/M. SILBERBERG; ATP/R. FOULDS  
PURPOSE AND SCOPE: 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) FIRST LARGE SCALE POUR OF MOLTEN FUEL 10/81. DRAFT PROGRAM PLAN FOR  
INTER-OFFICE REVIEW 06/80. NRR REVIEW OF 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.  
ACCOMPLISHMENTS: THE Z/IP 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: DRAFT PROGRAM PLAN REVIEW WILL BE COORDINATED WITH RULEMAKING STEERING GROUP.  
HIGH TEMPERATURE FISSION PRODUCT RELEASE PROGRAM HAS BEEN INITIATED AND FULLY INSTRUMENTED  
TEST SERIES ON STEAM EXPLOSIONS IS ON SCHEDULE. APPLICABLE TECHNOLOGY OF LMFBR SAFETY IS  
BEING RE-ORIENTED TO LWR CORE MELT AREA WITH SCHEDULED EVALUATION OF STATUS OF MARCH 1981,  
EXPECTED TO CONFORM TO RULEMAKING STEERING GROUP FINDINGS.  
ISSUES: CURRENT RESOURCES WILL PROVIDE RESULTS ON 5-6 YEAR TIME FRAME. THIS IS INCONSISTENT  
WITH CURRENT RULEMAKING SCHEDULE.

II.C.1  
GREEN

INTERIM RELIABILITY EVALUATION PROGRAM (IREP) (RES)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: 40013) RESPONSIBLE BRANCH/DIVISION: RES

RES,ADM

REVISED: 10/80

OTHER OFFICE/INDIVIDUAL: NRR/S. DAVIS, R. FRAHM, P. O'REILLY, D. LASHER, J. TSAO  
PURPOSE AND SCOPE: 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 3), FOLLOWED BY A SCALED-UP STUDY  
OF SIX 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) 05/80, (2) REGULATORY EVAL. & RQMTS. FOR IMPLM. OF GEN. FINDINGS UNKNOWN, (3) SIX-PLANT STUDY 07/81, (4) INITIAL DRAFT RECOMMENDATIONS BASED ON FINDINGS 09/81, (5) REGULATORY EVAL. & RQMTS. FOR IMPLM. OF GENERIC FINDINGS 02/82.

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. ARRANGEMENTS MADE FOR ALL FOUR PROJECTS TO START 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.

ISSUES: SIGNIFICANT DEFICIENCIES IDENTIFIED DURING PEER REVIEW MAY REQUIRE MAJOR REVISION OF REPORT DOCUMENTING FINDINGS AND RECOMMENDATIONS OF PILOT STUDY. THIS COULD ADVERSELY IMPACT THE PROJECTED SCHEDULE FOR COMPLETION OF THE PILOT STUDY EFFORT.

II.C.2 CONTINUATION OF IREP (RES) RES REVISED: 10/80  
 YELLOW \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
 COMMISSION(TACS: 40013) RESPONSIBLE BRANCH/DIVISION: RRAB/DST CONTACT: ASHOK THADANI (X28090)  
 OTHER OFFICE/INDIVIDUAL: NONE

PURPOSE AND SCOPE: FOLLOWING COMPLETION OF THE INITIAL IREP (II.C.1), IREP 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) NO CHANGE AT PRESENT, BUT SEE ISSUES.

ACCOMPLISHMENTS: N/A  
 CURRENT STATUS: N/A

ISSUES: DELAYS HAVE BEEN ENCOUNTERED IN THE COMPLETION OF THE PILOT STUDY (CR-3) AND IN THE INITIATION OF THE SIX-PLANT STUDY, AS IDENTIFIED IN THE SUMMARY FOR ACTION ITEM II.C.1. SINCE PREPARATION OF THE COMMISSION PAPER RECOMMENDING THE APPROACH TO BE USED IN THE CONTINUATION OF THE IREP PROGRAM DEPENDS UPON THE EXPERIENCE OBTAINED DURING THE PILOT STUDY AND THE SIX-PLANT STUDY AND ONGOING NEGOTIATIONS WITH THE INDUSTRY AND TECHNICAL SOCIETIES. THE COMMISSION PAPER MAY BE DELAYED SOMEWHAT.

\*II.D.2 COOLANT SYSTEM VALVES - RESEARCH ON TEST REQUIREMENTS (RES) RES REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: DRSR CONTACT: MILTON STOLTZENBURG (X74272)  
 OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: CONTRACT WITH FIRM TO SERVE AS MONITOR FOR INDUSTRY VALVE TEST AND STUDY AT EPRI; STUDY ALL POTENTIAL FLUID CONDITIONS THE VALVES MIGHT BE EXPOSED TO.

SCHEDULE: (ORIGINAL) (CURRENT)

ACCOMPLISHMENTS:  
 CURRENT STATUS:  
 ISSUES: (NO INFORMATION HAS BEEN PROVIDED FOR THIS ITEM)

II.E.2.2 RESEARCH ON SMALL BREAK LOCAS AND ANOMALOUS TRANSIENTS (RES) RES,NRR,ADM REVISED: 11/80  
 GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: LRB/RSR CONTACT: MCPHERSON (X74437)  
 OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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 5 LOFT TESTS IN FY1980. COMPLETE 7 LOFT TESTS IN FY 1981.

ACCOMPLISHMENTS: SMALL BREAK LOCA'S - SCALED 4 IN - 11/79; SCALED 1 IN - 2,6, & 9/80. ANOMOLOUS TRANSIENTS - LOSS OF FEEDWATER - 06/80; LOSS OF PC FLOW - 10/80; LOSS OF LOAD - 10/80; EXCESSIVE LOAD INCREASE - 10/80.

CURRENT STATUS: THE PLANT IS BEING PREPARED FOR THE PUMPS ON TEST SCHEDULED FOR 12/80. THAT TEST IS BEING PREDICTED BY THE U.S. PWR VENDORS AS A REQUIRED PROBLEM. PLANS ARE BEING FORMULATED FOR CORE UNCOVERY EXPERIMENTS, CORE DAMAGE TESTS, AND MULTIPLE FAILURE TRANSIENTS. 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 ACCIDENTS AND TRANSIENTS. A RIL IS BEING PREPARED ON THE AOC PROGRAM.  
ISSUES: THE EFFECT OF REACTOR COOLANT PUMP OPERATION FOLLOWING A SMALL BREAK LOCA IS BEING STUDIED VIA THE PUMPS OFF TESTS, L3-5, AND THE PUMPS ON TEST, - L3-6. THIS WILL ASSIST NRR IN ASSESSING VENDORS COMPUTER CODES AND PLANT OPERATING PROCEDURES.

II.E.3.4  
YELLOW

DECAY HEAT REMOVAL - ALTERNATE CONCEPTS RESEARCH (RES) RES REVISED 11/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: EAST/ASTR/RES CONTACT: MELVIN SILBERBERG (X74329)  
OTHER OFFICE/INDIVIDUAL: EAST/T. WALKER  
PURPOSE AND SCOPE: DETERMINE THE TECHNICAL FEASIBILITY OF BACKFITTING PASSIVE CONTAINMENT COOLING DEVICES IN EXEMPLARY CONTAINMENT STRUCTURES SUCH AS INDIAN POINT 3. 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 SELECTED 08/81.  
(CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: N/A  
CURRENT STATUS: AWAITING PROCESSING BY ENGINEER CURRENTLY OCCUPIED WITH HIGHER PRIORITY RFPs.  
AGREEMENT IN PRINCIPLE WITH NRR ON TECHNICAL SCOPE AND CONTENT. FURTHER PROGRESS LIMITED BY STAFF AVAILABILITY.  
ISSUES: INSUFFICIENT STAFF TO COPE WITH PROCUREMENT PROCESS.

II.H.2  
YELLOW

OBTAIN TECHNICAL DATA ON THE CONDITIONS INSIDE THE TMI-2 CONTAINMENT STRUCTURE (RES) RES REVISED: 11/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ASTR/RES CONTACT: RON FOULDS (X74323)  
OTHER OFFICE/INDIVIDUAL: IE/M. KIDD NRR/B. SNYDER  
PURPOSE AND SCOPE: 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) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: A RADIATION MONITOR WAS REMOVED (08/15/80 FROM CONTAINMENT AND HAS BEEN SENT TO SANDIA FOR EVALUATION.  
CURRENT STATUS: DRAFTS OF INITIAL PLANS FOR EACH OF THE SEVEN IDENTIFIED TASK AREAS HAVE BEEN COMPILED FOR REVIEW, FOR APPROVAL BY THE FOUR PARTY TECHNICAL WORKING GROUP, AND FOR IMPLEMENTATION UNDER FUNDING PROVIDED PRIMARILY BY DOE. ARRANGEMENTS ARE BEING MADE TO INVITE INTERNATIONAL PARTICIPATION IN THE INFORMATION GATHERING, THE MECHANICS OF WHICH ARE YET TO BE ESTABLISHED.  
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.

II.H.4(1)  
GREEN

DETERMINE IMPACT OF TMI ON SOCIOECONOMIC AND REAL PROPERTY VALUES (RES) RES REVISED: 11/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: 42426) RESPONSIBLE BRANCH/DIVISION: EER/SAFER CONTACT: CLARR PRICHARD (X74358)  
OTHER OFFICE/INDIVIDUAL: NRR/M. KALTMAN  
PURPOSE AND SCOPE: 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) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: CONTRACT SIGNED 04/80. ALL PROPERTIES INSPECTED 06/80. AVAILABLE DATA SCREENED 05/80. CONTROL AREA SELECTED 05/80.



CURRENT STATUS: RESEARCH PROGRESS IS ON SCHEDULE. DATA HAS BEEN COLLECTED AND IS BEING ANALYZED.  
TMI CASE STUDY IS UNDERWAY. COMPLETION IS EXPECTED 01/01/81. THE FINAL RESULTS WILL BE PUBLISHED  
AS A NUREG.  
ISSUES: NONE

II.H.4(2)  
GREEN

POST-LICENSING STUDIES OF THE SOCIOECONOMIC IMPACTS OF NUCLEAR POWER PLANT SITING AND REAL PROPERTY VALUES (RES) REVISED: 10/80  
RES  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: 42426) RESPONSIBLE BRANCH/DIVISION: SAB CONTACT: MICHAEL KALTMAN (X28595)  
OTHER OFFICE/INDIVIDUAL: NONE  
PURPOSE AND SCOPE: TO DETERMINE THE IMPACT OF THE ACCIDENTS 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) SAME AS ORIGINAL.  
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 TO DATE (NUREG/CR-1215 - 01/80)  
CURRENT STATUS: CURRENT EFFORTS ARE FOCUSED ON INTERVIEWING KEY INFORMANTS IN THE HARRISBURG AREA AND ON REPORT PRODUCTION.  
ISSUES: NONE

IV.E.1  
GREEN

EXPAND RESEARCH ON QUANTIFICATION OF SAFETY DECISION-MAKING (RES) RES

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -

(TACS: ) RESPONSIBLE BRANCH/DIVISION: SRR/RES

CONTACT: WILLIAM VESELY (X74505)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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" 09/80. (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: 08/80.

ACCOMPLISHMENTS: COMPLETED TWO NUREGS AND FOUR DRAFT REPORTS 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:

TMI ACTION PLAN TRACKING SYSTEM (APTS)

24 NOVEMBER 1980

OTHER (LEAD OFFICES') ACTION ITEMS (RUN DATE: 12/03)

SUMMARY OF ACTION ITEMS:

CHAPTER I : 5 (OPERATIONAL SAFETY)  
CHAPTER II : 0 (SITING AND DESIGN)  
CHAPTER III : 6 (EMERGENCY PREPAREDNESS AND RADIATION EFFECTS)  
CHAPTER IV : 4 (PRACTICES AND PROCEDURES)  
  
TOTAL 15

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

COMPLETE (IMPLEMENTATION) : 2 (2,0,0,0)  
PRIORITY '1' ITEMS : 2  
  
REQMENT (REQUIREMENT ISSUED, IMPLEMENTATION  
NOT COMPLETE) : 0  
  
INACTIVE : 2 (0,0,0,2)  
PRIORITY '1' ITEMS : 0  
  
ACTIVE : 11 (3,0,6,2)  
PRIORITY '1' ITEMS : 5 (2,0,3,0)

\*RED AND YELLOW ITEMS : 2 (0,0,1,1)  
PRIORITY '1' ITEMS : 0  
  
\*COMMISSION ACTION ITEMS : 3 (1,0,0,2)  
PRIORITY '1' ITEMS : 1 (1,0,0,0)

COMMENTS:

COMMENTS OR QUESTIONS REGARDING THIS MATERIAL SHOULD BE DIRECTED TO  
PAUL VINEYARD, MPA (X27533, MNBB-127:1)

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

I.E.1 COMPLETE ESTABLISH OFFICE FOR ANALYSIS AND EVALUATION OF OPERATIONAL DATA (AEOD) AEOD,ADM REVISED: 11/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: AEOD CONTACT: JACK HELTEMES (X29560)  
 OTHER OFFICE/INDIVIDUAL: AEOD/F. J. HEBDON  
 PURPOSE AND SCOPE: 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. (CURRENT) SAME  
 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  
 COMMISSION ACTION: REVIEW

I.E.2 COMPLETE PROGRAM OFFICE - OPERATIONAL DATA EVALUATION (AEOD) NRR,MPA,RES,NMSS,ADM REVISED: 11/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: AEOD CONTACT: JACK HELTEMES (X29560)  
 OTHER OFFICE/INDIVIDUAL: NRR/E. ADENSAM; MPA/R. HARTFIELD; RES/R. BERNERO; NMSS/T. CARTER  
 PURPOSE AND SCOPE: 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; (CURRENT) MPA OFFICE STAFFING - NO DATE; NRR OFFICE STAFFING - 09/80.  
 ACCOMPLISHMENTS:  
 CURRENT STATUS: THE OPERATING EXPERIENCE EVALUATION BRANCH (OEEB) HAS BEEN ESTABLISHED IN NRR/DST TO PROVIDE A FOCAL POINT FOR REVIEW OF LICENSED FACILITY OPERATIONAL EXPERIENCES AND FEEDBACK OF SAFETY RELATED INFORMATION. OEEB IS DEVELOPING FORMAL STATEMENTS OF THEIR FUNCTIONS AND INTERRELATIONSHIPS WITH OTHER ORGANIZATIONS. SYSTEMATIC REVIEW PLANS ARE BEING DEVELOPED TO REVIEW AND ASSESS LICENSEE EVENT REPORTS (LER'S) AND COORDINATION OF PERTINENT FINDINGS WITH THE VARIOUS OFFICES INVOLVED IN THE INTEGRATED PROGRAM ON OPERATING EXPERIENCE ASSESSMENTS.  
 ISSUES:

I.E.4 GREEN COORDINATION OF LICENSEE, INDUSTRY, AND REGULATORY PROGRAMS (AEOD) AEOD REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: DIRECTOR CONTACT: CARLYLE MICHELSON (X29560)  
 OTHER OFFICE/INDIVIDUAL: NRR/E. ADENSAM; AEOD/C.J. HELTEMES  
 PURPOSE AND SCOPE: INDUSTRY HAS ESTABLISHED A PROGRAM TO SYSTEMATICALLY REVIEW AVAILABLE EVENT REPORTS AND OPERATING DATA. THESE WILL BE REVIEWED AND ANALYZED BY THE INDUSTRY 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 PROVIDE THE CAPABILITY TO EVALUATE THE OPERATING HISTORY OF THEIR PLANT(S) AND THOSE OF SIMILAR DESIGN. LICENSEES WILL BE REQUIRED TO INSTITUTE ADMINISTRATIVE PROCEDURES TO DO THIS.  
 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. (CURRENT) COMPLETE MEMORANDA OF UNDERSTANDING WITH INPO AND NSAC.  
 ACCOMPLISHMENTS: EXTENSIVE DISCUSSIONS HAVE BEEN HELD WITH INPO AND NSAC ON AREAS OF MUTUAL INTEREST.  
 CURRENT STATUS: WORK CONTINUES ON DEFINING SPECIFIC AREAS OF COOPERATION BETWEEN NRC AND INPO/NSAC. SPECIFIC AREAS INCLUDE OPERATIONAL DATA COLLECTION, STORAGE, AND RETRIEVAL; AND EVALUATION OF THE RESULTS OF ANALYSES.  
 ISSUES: NONE

I.E.6 GREEN REPORTING REQUIREMENTS FOR ANALYSIS AND DISSEMINATION OF OPERATING EXPERIENCE (AEOD) NRR IE,SD,AEOD,MPA,NMSS,ADM REVISED: 11/80



COMMISSION\*\*COMPLETION DATE > FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: DIRECTOR CONTACT: CARLYLE MICHELSON (X29560)  
OTHER OFFICE/INDIVIDUAL: NRR/E. ADENSAM, J. E. KNIGHT; AEOD/C. J. HELTEMES, F. HEBON;  
RES/R.DENNIG; IE/E. BLACKWOOD

PURPOSE AND SCOPE: (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 NOT JUST "SAFETY RELATED."

SCHEDULE: (ORIGINAL) COMPLETE COMMISSION PAPER FOR REVIEW AND APPROVAL - JUNE 1981. (CURRENT) COMM. PAPER REQUESTING APPROVAL OF AN INTEGRATED REP. SYS. CONCEPT 11/80. PROPOSED RULE: INTEGRATED REPORTING SYSTEM 06/81. FINAL RULE: INTEGRATED REPORTING SYSTEM 04/82.

ACCOMPLISHMENTS: RECOMMENDED INPUT TO COMMISSION PAPER ON AN INTEGRATED REPORTING SYSTEM FORWARDED FROM AEOD TO SD (OCTOBER 1980).

CURRENT STATUS: WORK CONTINUES ON DEFINING THE USES FOR OPERATIONAL DATA THAT MUST BE SUPPORTED BY AN INTEGRATED REPORTING SYSTEM. BASED ON THE NEEDS AND COMMISSION APPROVAL OF THE CONCEPT, A RULEMAKING WILL BE INITIATED TO ESTABLISH AN INTEGRATED REPORTING SYSTEM FOR OPERATIONAL EXPERIENCE DATA.

ISSUES: NONE

COMMISSION ACTION: REVIEW

I.E.7  
GREEN

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

IP,ADM

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: IP CONTACT: HOWARD FAULKNER (X27788)  
OTHER OFFICE/INDIVIDUAL: LLL/W. WADE; NRR/E. ADENSAM, R. COLMAR

PURPOSE AND SCOPE: 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) COMPLETE REVIEW OF LITERATURE- JAN. 1980; CONDUCT VISITS OF REACTOR SITES OF SIGNIFICANT EVENTS - MAY 1980; COMPLETE REPORT AND RECOMMENDATION - AUG. 1980. (CURRENT) SAME AS ACCOMPLISHMENTS.

ACCOMPLISHMENTS: DEFINE "SIGNIFICANCE" SCREENING TECHNIQUES, 05/80; REVIEW ALL AVAILABLE FOREIGN DATA AND DETERMINE "SIGNIFICANT": EVENTS 06/80, WRITE A SAMPLE REPORT OF A SELECTED FOREIGN EVENT 07/80.

CURRENT STATUS: COLLECTION OF DETAILED DATA ON SELECTED FOREIGN REACTOR EVENTS DUE TO PROPRIETARY NATURE OF INFORMATION - COORDINATION WITH IP AND ORNL/NSIC.

ISSUES:

III.A.3.1  
GREEN

EMERGENCY PREPAREDNESS - NRC ROLE IN RESPONDING TO  
NUCLEAR EMERGENCIES (EDO)

IE,SD,SP,ADM

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:

CONTACT: KEN PERKINS (X28297)

PURPOSE AND SCOPE: TO REVISE ORGANIZATIONAL ARRANGEMENTS AND FUNCTIONS FOR NRC EMERGENCY  
RESPONSE OPERATIONS AND TO REVISE AND UPGRADE AGENCY EMERGENCY PLANS AND PROCEDURES  
ACCORDINGLY.

SCHEDULE: (ORIGINAL) (CURRENT)

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. UPDATE FOR OTHER  
AGENCY PROCEDURES IS BEING ADDRESSED BY FEMA IN THE "NATIONAL RADIOLOGICAL EMERGENCY  
PREPAREDNESS PLAN" DRAFT DATED 09/30/80. REVISION TO NUREG-0610 WILL APPEAR AS APPENDIX I  
TO NUREG-0654 IN 11/80. REVISIONS TO IMPLEMENTING PROCEDURES AND INSTRUCTIONS TO REGIONAL  
OFFICES ARE ADDRESSED IN SECY 80-371.

ISSUES:

III.A.3.6  
GREEN

EMERGENCY PREPAREDNESS - NRC AND OTHER AGENCIES (EDO)

IP,IE,SP,ADM

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:

CONTACT: KEN PERKINS (X28297)

PURPOSE AND SCOPE: ASSURE COORDINATION WITH FEDERAL AGENCIES IN EMERGENCY PREPAREDNESS AND RESPONSE ACTIVITIES.

SCHEDULE: (ORIGINAL) (CURRENT)

ACCOMPLISHMENTS:

CURRENT STATUS: (A) NRC'S AGENCY RESPONSE PLAN WAS SENT TO COMMISSION IN 09/80. EXPECT COMMISSION TO  
FORWARD TO CONGRESS IN 10/80. (B) FEMA HAS PREPARED THE NATIONAL RADIOLOGICAL EMERGENCY RESPONSE  
PLAN FOR FEDERAL AGENCIES. EXPECT FEMA TO FORWARD TO CONGRESS IN 10/80. (C) FEMA IS PREPARING  
FEDERAL AGENCY ASSIGNMENTS FOR PLANS AND PREPAREDNESS. EXPECT DRAFT IN OCTOBER, 1980.

ISSUES:

III.B.1  
GREEN

TRANSFER OF EMERGENCY PREPAREDNESS RESPONSIBILITIES TO FEMA (EDO) SP,NRR

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:

CONTACT: KEN PERKINS (X28297)

PURPOSE AND SCOPE: 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) (CURRENT)

ACCOMPLISHMENTS:

CURRENT STATUS: NRC IDENTIFIED THE FUNCTIONS AND RESOURCES ASSOCIATED LEAD RESPONSIBILITY FOR STATE  
AND LOCAL GOVERNMENTS' EMERGENCY PREPAREDNESS. NRC PREPARED AND SUBMITTED TO OMB A DRAFT DETERMINATION  
ORDER THAT WOULD TRANSFER THESE FUNCTIONS AND RESOURCES TO FEMA. OMB HAS NOT YET ACTED ON THE  
DETERMINATION ORDER.

ISSUES:

III.B.2  
GREEN

IMPLEMENTATION OF NRC'S AND FEMA'S RESPONSIBILITIES (EDO)

IE,SP,NRR

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: 42433) RESPONSIBLE BRANCH/DIVISION: EDO  
OTHER OFFICE/INDIVIDUAL: IE/J. SNIEZEK, EPLB/EPO/FRANK PAG/ndg

CONTACT: KEN PERKINS (X28297)

PURPOSE AND SCOPE: 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. (CURRENT) 8 STATES WERE TO SUBMIT PLANS FOR  
REVIEW BY FEMA BY MID-SUMMER, WITH THE BALANCE TO BE RECEIVED BY SPRING OF 1981. SOME DELAYS WERE  
ANTICIPATED BY FEMA BECAUSE OF ADDITIONAL TIME NECESSARY TO HOLD PUBLIC MEETINGS AND THE REQUIRED REVIEW  
FOR APPROVAL OF PLANS.

ACCOMPLISHMENTS: FEDERAL REVIEW OF EMERGENCY PLANS OF STATES AFFECTED BY OPERATING NUCLEAR POWER PLANTS SUGGESTS SIGNIFICANT PROGRESS IS BEING MADE TO IMPROVE RADIOLOGICAL EMERGENCY PLANS AND PREPAREDNESS SINCE THE PUBLICATION OF NUREG-0654 IN JANUARY 1980.

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:

III.C.1  
YELLOW

PUBLIC INFORMATION - PROVIDE TO NEWS MEDIA AND PUBLIC (OPA) OPA,IE REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3

(TACS: ) RESPONSIBLE BRANCH/DIVISION: OPA

CONTACT: FRANK INGRAM (X27715)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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; RECOMMEND DOE PUBLISH ADDITIONAL INFORMATION (OPEN); PILOT PROGRAM - SEMINARS FOR NEWS MEDIA 06/80

ACCOMPLISHMENTS: REVIEW OF PUBLICLY AVAILABLE DOCUMENTS COMPLETE 06/80.

CURRENT STATUS: DOE INITIATING DEVELOPMENT OF NEW LITERATURE; NRC RECOMMENDATION MAY NOT BE NECESSARY.

SEMINARS NOT GIVEN OUTSIDE NRC.

ISSUES: QUESTION OF PROPRIETY OF NRC SPONSORING SEMINARS HAS TO BE RESOLVED.

III.C.2  
GREEN

PUBLIC INFORMATION - PROVIDE TRAINING (OPA) OPA REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3

(TACS: ) RESPONSIBLE BRANCH/DIVISION: OPA

CONTACT: FRANK INGRAM (X27715)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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

IV.A.1 SEEK LEGISLATIVE AUTHORITY IN ENFORCEMENT PROCESS (OGC) OGC,ELD,IE REVISED: 11/80  
 GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
 COMMISSION(TACS: ) RESPONSIBLE BRANCH/DIVISION: OGC CONTACT: CARL STOIBER (X43224)  
 OTHER OFFICE/INDIVIDUAL: NRR/D. COLLINS  
 PURPOSE AND SCOPE: NRC IS TRYING TO RAISE CIVIL PENALTY FINE (ON LICENSEE) LIMITS TO \$100,000 PER VIOLATION WITH NO LIMIT ON THE NUMBER OF VIOLATIONS. NRC IS FURTHER 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 AUTHORIZATION.  
 CURRENT STATUS: SECY-80-366 BEING REVIEWED BY COMMISSION.  
 ISSUES: DECISION MUST BE MADE AS TO WHETHER OR NOT TO SEEK LEGISLATIVE AUTHORITY FOR ADDITIONAL FINE LEVYING CAPABILITIES UNDER SPECIFIC CONDITIONS.

IV.C.1 EXTEND LESSONS LEARNED FROM TMI TO OTHER NRC PROGRAMS (NMSS) NMSS,NRR REVISED: 11/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: BOB BROWNING (X74200)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE:  
 SCHEDULE: (ORIGINAL) (CURRENT)  
 ACCOMPLISHMENTS:  
 CURRENT STATUS: THIS PROJECT IS NOT SCHEDULED FOR ANY ACTION FOR ATLEAST 6 MONTHS. (UNTIL 05/81).  
 ISSUES:

IV.D.1 NRC STAFF TRAINING (ADM) ADM REVISED: 11/80  
 YELLOW \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
 COMMISSION(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: PETER GOLDMAN (X28259)  
 OTHER OFFICE/INDIVIDUAL: ADM/L. COOPER; IE/J. LEDOUX  
 PURPOSE AND SCOPE: IMPROVE AND EXPAND NRC TRAINING PROGRAM FOR THE TECHNICAL STAFF AND RESIDENT INSPECTORS; AND DEVELOP A TRAINEESHIP/FELLOWSHIP PROGRAM.  
 SCHEDULE: (ORIGINAL) OBTAIN CONTRACTOR SURVEY ASSISTANCE 08/81; COMMISSION PAPER ON NRC TRAINING PROGRAM FORWARDED 06/80; INCREASE SIMULATOR TRAINING 09/80; PROVIDE MULTI-DISCIPLINARY EDUCATION AND TRAINING (CONTINUING). (CURRENT) OBTAIN CONTRACTOR SURVEY ASSISTANCE - ACTION CHANGED; COMMISSION PAPER ON NRC TRAINING PROGRAM (SEE STATUS) 07/80; INCREASE SIMULATOR TRAINING 1982; PROVIDE MULTI-DISCIPLINARY EDUCATION AND TRAINING (SEE ISSUES) CONTINUING.  
 ACCOMPLISHMENTS: COMMISSION APPROVED (IN PART) SECY-80-331 9/25/80. NEW DISCIPLINARY TRAINING PROVIDED IN HUMAN FACTORS AND SYSTEMS SAFETY TO APPROXIMATELY 90 PROFESSIONALS. FURTHER TRAINING FUNDED.  
 CURRENT STATUS: ORAU STRUCTURING ALTERNATIVE TRAINEESHIP/FELLOWSHIP PROGRAMS. FIRST INPUT EXPECTED 11/80. NRC TRAINING FUNDS AVAILABLE FOR VARIETY OF SAFETY AND SYSTEMS MANAGEMENT TRAINING; APPROXIMATELY 40+ EMPLOYEES ENROLLED IN PROGRAMS. SIMULATOR TRAINING CONTINUING AT PREVIOUS LEVEL; REACTOR SYSTEMS TECHNOLOGY TRAINING INCREASED TO MEET HIGHER DEMAND. TECHNICAL TRAINING NEEDS REVIEW TO BE CONDUCTED IN-HOUSE BY MDTs WITH THE COOPERATION OF XOMA/IE.  
 ISSUES: DUE TO REGULATORY REQUIREMENTS IMPOSED UPON NUCLEAR INDUSTRY, DEMANDS FOR SIMULATOR TRAINING INCREASED; NRC UNABLE TO INCREASE ITS USAGE.  
 COMMISSION ACTION: REVIEW

IV.G.1 DEVELOP A PUBLIC AGENDA FOR RULEMAKING (ADM) ADM REVISED: 11/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: ADM CONTACT: JOHN PHILIPS (X27086)  
 OTHER OFFICE/INDIVIDUAL: ADM/L. COOPER  
 PURPOSE AND SCOPE: DEVELOP AND PUBLISH IN THE FEDERAL REGISTER A SEMI-ANNUAL 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) (CURRENT) PLAN TO DEVELOP AND PUBLISH AN AGENDA BY 10/83.  
 ACCOMPLISHMENTS: NONE TO DATE  
 CURRENT STATUS: PROGRAM SCHEDULED FOR FY 83.



ISSUES: NONE

TMI ACTION PLAN TRACKING SYSTEM (APTS)

24 NOVEMBER 1980

COMPLETE AND REQUIREMENTS ISSUED ACTION ITEMS (RUN DATE: 12/03)

SUMMARY OF ACTION ITEMS:

CHAPTER I :	<u>12</u>	(OPERATIONAL SAFETY)
CHAPTER II :	<u>4</u>	(SITING AND DESIGN)
CHAPTER III :	<u>0</u>	(EMERGENCY PREPAREDNESS AND RADIATION EFFECTS)
CHAPTER IV :	<u>0</u>	(PRACTICES AND PROCEDURES)
TOTAL	<u>16</u>	

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

COMPLETE (IMPLEMENTATION) :	<u>13 (11,2,0,0)</u>
PRIORITY '1' ITEMS :	<u>10 (8,2,0,0)</u>

REQMENT (REQUIREMENT ISSUED, IMPLEMENTATION NOT COMPLETE) :	<u>3 (1,2,0,0)</u>
PRIORITY '1' ITEMS :	<u>3 (1,2,0,0)</u>

COMMENTS:

COMMENTS OR QUESTIONS REGARDING THIS MATERIAL SHOULD BE DIRECTED TO  
PAUL VINEYARD, MPA (X27533, MNBB-12711)

I.A.1.2 OPERATIONAL SAFETY - SHIFT SUPERVISOR ADMIN. DUTIES (NRR) NRR REVISED: 10/80  
 COMPLETE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: 42056) RESPONSIBLE BRANCH/DIVISION: LQB, DHFS CONTACT: FRED ALLENSPACH (X27741)  
 OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
 PURPOSE AND SCOPE: 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 NOT BE REVIEWED TO ASSURE CONFORMANCE.  
 ACCOMPLISHMENTS: LICENSEES OF OPERATING REACTORS COMPLETED THIS TASK BY 01/80. APPLICANTS FOR OL WILL  
 COMPLETE BY FUEL LOADING.  
 CURRENT STATUS: SAME AS CURRENT AND ACCOMPLISHMENTS.  
 ISSUES: NONE

I.A.1.3 OPERATIONAL SAFETY - SHIFT MANNING (NRR) NRR,IE REVISED: 10/80  
 REQMENT \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
 GREEN (TACS: 42057) RESPONSIBLE BRANCH/DIVISION: LQB, DHFS CONTACT: LAWRENCE CROCKER (X29437)  
 OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
 PURPOSE AND SCOPE: 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 07/31/80.  
 CURRENT STATUS: LICENSEES WERE TOLD TO RESPOND TO LETTER WITHIN 90 DAYS OF RECEIPT (OF JULY 31 LETTER)  
 AS TO DATE THEY WILL COMPLY.  
 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.

I.A.2.1 IMMEDIATE UPGRADING OF OPERATOR AND SENIOR OPERATOR TRAINING AND QUALIFICATIONS (NRR) NRR,ADM,IE REVISED: 10/80  
 COMPLETE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: PAUL COLLINS (X27486)  
 OTHER OFFICE/INDIVIDUAL: NONE  
 PURPOSE AND SCOPE: 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: NONE

I.A.3.1 REVISE SCOPE AND CRITERIA FOR LICENSING EXAMS (NRR) NRR REVISED: 10/80  
 COMPLETE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB, HFS CONTACT: JOE MCMILLEN (X27476)  
 OTHER OFFICE/INDIVIDUAL: NONE  
 PURPOSE AND SCOPE: INCREASE THE PASSING GRADE, ADD NEW CATEGORIES TO THE EXAMINATIONS TO ADDRESS  
 HEAT TRANSFER THERMODYNAMICS AND FLUID FLOW.  
 SCHEDULE: (ORIGINAL) IMPLEMENT 05/80. (CURRENT) IMPLEMENT 05/80.  
 ACCOMPLISHMENTS: ITEM COMPLETE.  
 CURRENT STATUS: NEW SCOPE AND CRITERIA IN EFFECT.  
 ISSUES: NONE

I.B.2.1 REVISION OF IE INSPECTION PROGRAM (IE) IE REVISED: 10/80  
 COMPLETE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: ROI/IE CONTACT: SAMUEL BRYAN (X28019)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: THE NRC WILL REVISE THE INSPECTION PROGRAM TO PROVIDE MORE DIRECT OBSERVATION AND INDEPENDENT VERIFICATION OF LICENSEE ACTIVITIES.  
 SCHEDULE (ORIGINAL) PROGRAM REVISION STARTED - 12/79; COMMENTS REQUESTED ON PROPOSED PROGRAM REVISION 03/80; COMMENTS AND FINAL PROGRAM PREPARED 04/80. (CURRENT) N/A  
 ACCOMPLISHMENTS: PROGRAM REVISION WAS STARTED IN NOVEMBER 1979. THE PROGRAM WAS ISSUED FOR USE IN THE FIELD BY RESIDENT INSPECTORS IN APRIL 1980.  
 CURRENT STATUS: THE INSPECTION PROGRAM FOR RESIDENT INSPECTORS HAS BEEN COMBINED WITH THE ROUTINE INSPECTION PROGRAM TO PRODUCE A CONSOLIDATED INSPECTION PROGRAM FOR OPERATING REACTORS. MANAGEMENT RESPONSIBILITY FOR IMPLEMENTING THIS INSPECTION PROGRAM HAS BEEN ASSIGNED TO THE REGIONS. ALL PLANNED MAJOR PROGRAM REVISIONS FOR THE REACTOR OPERATIONS INSPECTION PROGRAM HAVE BEEN COMPLETED.  
 ISSUES: NONE

I.C.2  
 COMPLETE

SHIFT AND RELIEF TURNOVER PROCEDURES (NRR) NRR,IE REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS CONTACT: FRED ALLENSPACH (X27741)  
 OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
 PURPOSE AND SCOPE: 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: COMPLETED FOR OPERATING REACTORS.  
 CURRENT STATUS: APPLICANTS FOR NTOL WILL BE COMPLETED BY FUEL LOADING.  
 ISSUES: NONE

I.C.3  
 COMPLETE

SHIFT SUPERVISOR RESPONSIBILITIES (NRR) NRR,IE REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS CONTACT: FRED ALLENSPACH (X27741)  
 OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
 PURPOSE AND SCOPE: 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: COMPLETED FOR OPERATING REACTORS.  
 CURRENT STATUS: APPLICANTS FOR NTOL WILL BE COMPLETED BY FUEL LOADING.  
 ISSUES: NONE

I.C.4  
 COMPLETE

OPERATING PROCEDURES - CONTROL ROOM ACCESS (NRR) NRR,IE REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS CONTACT: FRED ALLENSPACH (X27741)  
 OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
 PURPOSE AND SCOPE: 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: COMPLETED FOR OPERATING REACTORS.  
 CURRENT STATUS: APPLICANTS FOR NTOL WILL BE COMPLETED BY FUEL LOADING.  
 ISSUES: NONE

I.C.5  
 COMPLETE

PROCEDURES FOR FEEDBACK OF OPERATING EXPERIENCE (NRR) NRR,IE REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS CONTACT: FRED ALLENSPACH (X27741)  
 OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
 PURPOSE AND SCOPE: 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. TASK COMPLETED. APPLICATIONS WILL NOW BE REVIEWED TO ASSURE CONFORMANCE.



ACCOMPLISHMENTS: HAS BEEN COMPLETED FOR UTILITIES WITH OPERATING REACTORS.  
CURRENT STATUS: APPLICANTS FOR NTOL WILL BE COMPLETED BY FUEL LOADING.  
ISSUES: NONE

I.D.6 CONTROL ROOM DESIGN - TECHNOLOGY TRANSFER CONFERENCE (RES) RES,ADM REVISED: 11/80  
COMPLETE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: 42326) RESPONSIBLE BRANCH/DIVISION: RES CONTACT: LOUIS RIB (X74320)  
OTHER OFFICE/INDIVIDUAL: NRR/L. BELTRACHI, R. DISALVO, S. HANAVER; RES/T.MURLEY  
PURPOSE AND SCOPE: 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 STORING 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: FOLLOWUP IS CONTINUING BASED ON PERSONAL CONTACTS MADE AT THE CONFERENCE AND AT  
LEAST ONE FOLLOWUP SPECIAL CONFERENCE IS PLANNED FOR THE FUTURE, NAMELY RISK ASSESSMENT.  
ISSUES:

I.E.1 ESTABLISH OFFICE FOR ANALYSIS AND EVALUATION OF OPERATIONAL DATA (AEOD) AEOD,ADM REVISED: 11/80  
COMPLETE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: AEOD CONTACT: JACK HELTEMES (X29560)  
OTHER OFFICE/INDIVIDUAL: AEOD/F. J. HEBDON  
PURPOSE AND SCOPE: 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. (CURRENT) SAME  
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  
COMMISSION ACTION: REVIEW

I.E.2 PROGRAM OFFICE - OPERATIONAL DATA EVALUATION (AEOD) NRR,MPA,RES,NMSS,ADM REVISED: 11/80  
COMPLETE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: AEOD CONTACT: JACK HELTEMES (X29560)  
OTHER OFFICE/INDIVIDUAL: NRR/E. ADENSAM; MPA/R. HARTFIELD; RES/R. BERNERO; NMSS/T. CARTER  
PURPOSE AND SCOPE: 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;  
(CURRENT) MPA OFFICE STAFFING - NO DATE; NRR OFFICE STAFFING - 09/80.  
ACCOMPLISHMENTS:  
CURRENT STATUS: THE OPERATING EXPERIENCE EVALUATION BRANCH (OEEB) HAS BEEN ESTABLISHED IN NRR/DST TO  
PROVIDE A FOCAL POINT FOR REVIEW OF LICENSED FACILITY OPERATIONAL EXPERIENCES AND FEEDBACK OF SAFETY  
RELATED INFORMATION. OEEB IS DEVELOPING FORMAL STATEMENTS OF THEIR FUNCTIONS AND INTERRELATIONSHIPS  
WITH OTHER ORGANIZATIONS. SYSTEMATIC REVIEW PLANS ARE BEING DEVELOPED TO REVIEW AND ASSESS LICENSEE  
EVENT REPORTS (LER'S) AND COORDINATION OF PERTINENT FINDINGS WITH THE VARIOUS OFFICES INVOLVED IN THE  
INTEGRATED PROGRAM ON OPERATING EXPERIENCE ASSESSMENTS.  
ISSUES:

II.D.3 COOLANT SYSTEM VALVES - VALVE POSITION INDICATION (NRR) NRR,IE REVISED: 11/80  
REQMENT \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ICSB/DSI CONTACT: JACK ROSENTHAL (X29434)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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: RECOMMENDATIONS ARE BEING IMPLEMENTED ON OL'S PRIOR TO POWER OPERATIONS ACCORDING  
TO REVIEW SCHEDULES.  
ISSUES: SEVERAL LICENSEES ARE HAVING DIFFICULTY DEMONSTRATING ENVIRONMENTAL QUALIFICATION. COMPLETION  
OF SOME DEMONSTRATIONS MAY BE DELAYED AS LONG AS ONE YEAR.

II.E.3.1 DECAY HEAT REMOVAL - RELIABILITY OF POWER SUPPLIES NRR,IE REVISED: 11/80  
COMPLETE FOR NATURAL CIRCULATION (NRR)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: PSB/DSI CONTACT: FAUST ROSA (X27122)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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) SAME  
AS ORIGINAL AND, 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: SAME AS CURRENT SCHEDULE.  
ISSUES: NONE

II.G.1 POWER SUPPLIES FOR PRESSURIZER RELIEF VALVES, BLOCK NRR,IE REVISED: 11/80  
COMPLETE VALVES, AND LEVEL INDICATIONS (NRR)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: PSB/DSI CONTACT: ROBERT FITZPATRICK (X28350)  
OTHER OFFICE/INDIVIDUAL: IE/M. KIDD; NRR/F. ROSA  
PURPOSE AND SCOPE: 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)  
SAME AS ORIGINAL SCHEDULE AND 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: SAME AS CURRENT SCHEDULES.  
ISSUES: NONE

II.K.3(14) FINAL RECOMMENDATIONS OF B&O TASK FORCE TO NRR REVISED: 11/80  
REQMENT MITIGATE ACCIDENTS (NRR)  
GREEN (ISOLATION CONDENSERS ON HIGH RADIATION)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CSB/DSI CONTACT: MEL FIELDS (X29417)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: NONE  
CURRENT STATUS: AWAITING CONFIRMATION FROM THOSE OPERATING BWRs THAT POSSESS ISOLATION  
CONDENSERS THAT THE REQUIRED DESIGN MODIFICATIONS HAVE BEEN COMPLETED.  
ISSUES: NONE

TMI ACTION PLAN TRACKING SYSTEM (APTS)

24 NOVEMBER 1980

INACTIVE ACTION ITEMS (RUN DATE: 12/03)

SUMMARY OF ACTION ITEMS:

CHAPTER I :	<u>11</u>	(OPERATIONAL SAFETY)
CHAPTER II :	<u>12</u>	(SITING AND DESIGN)
CHAPTER III :	<u>6</u>	(EMERGENCY PREPAREDNESS AND RADIATION EFFECTS)
CHAPTER IV :	<u>7</u>	(PRACTICES AND PROCEDURES)
TOTAL	<u>34</u>	

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

INACTIVE :	<u>34</u>	(11,12,4,7)
PRIORITY '1' ITEMS :	<u>2</u>	(1,1,0,0)

COMMISSION ACTION ITEMS :	<u>4</u>	(2,2,0,0)
PRIORITY '1' ITEMS :	<u>0</u>	

COMMENTS:

COMMENTS OR QUESTIONS REGARDING THIS MATERIAL SHOULD BE DIRECTED TO  
PAUL VINEYARD, MPA (X27533, MNBB-12711)

I.A.2.3 ADMINISTRATION OF TRAINING PROGRAMS (NRR) NRR,ADM REVISED: 10/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: JOE MCMILLEN (X27476)  
 OTHER OFFICE/INDIVIDUAL: NONE  
 PURPOSE AND SCOPE: 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: NONE TO DATE.  
 CURRENT STATUS: PROGRAM SCHEDULED FOR FY81.  
 ISSUES: NONE

I.A.2.4 NRR PARTICIPATION IN INSPECTOR TRAINING (IE) NRR,IE REVISED: 10/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
 (TACS: 42448) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: JOE MCMILLEN (X27476)  
 OTHER OFFICE/INDIVIDUAL: IE/J. LEDOUX  
 PURPOSE AND SCOPE: PROVIDE INSTRUCTION TO IE INSPECTORS REGARDING THE ROLE AND LICENSING OF  
 REACTOR OPERATIONS STAFF.  
 SCHEDULE: (ORIGINAL) INITIATE PROGRAM IN FY 82. (CURRENT) ON SCHEDULE.  
 ACCOMPLISHMENTS: NONE TO DATE.  
 CURRENT STATUS: NOT SCHEDULED UNTIL FY 82.  
 ISSUES: NONE

I.A.2.5 TRAINING AND QUALIFICATION OF OPERATING PERSONNEL - PLANT DRILLS (NRR) NRR REVISED: 10/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: JOE MCMILLEN (X27476)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: LICENSES WILL DEVELOP AND CONDUCT IN-PLANT DRILLS.  
 SCHEDULE: (ORIGINAL) SHORT TERM REQUIREMENTS WERE TO BE ISSUED BY 1/81. (CURRENT) REQUIREMENT ISSUANCE MAY SLIP.  
 ACCOMPLISHMENTS:  
 CURRENT STATUS: AWAITING THE NRR-80-117 CONTRACT COMPLETION.  
 ISSUES:

I.A.2.7 ACCREDITATION OF TRAINING INSTITUTIONS (NRR) NRR,SD,ADM REVISED: 10/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: JOE MCMILLEN (X27476)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: THE INTENT IS TO REQUIRE LICENSEES TO USE ACCREDITED INSTITUTIONS ONCE  
 SUCH A PROGRAM IS ESTABLISHED.  
 SCHEDULE: (ORIGINAL) NOT YET DEVELOPED  
 ACCOMPLISHMENTS:  
 CURRENT STATUS: INACTIVE  
 ISSUES:

I.A.3.3 ESTABLISH REQUIREMENTS FOR OPERATOR FITNESS (SD) SD REVISED: 11/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY -  
 COMMISSION(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: STEVEN RICHARDSON (X35913)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: DEVELOP REQUIREMENTS FOR OPERATOR FITNESS (STRESS, MALEVOLENCE, ALCOHOL AND DRUG ABUSE)  
 FOR CONSIDERATION BY THE COMMISSION. (CURRENT)  
 SCHEDULE: (ORIGINAL)  
 ACCOMPLISHMENTS:  
 CURRENT STATUS:  
 ISSUES: DECISION GROUP D ITEM, NO FIRM SCHEDULE HAS BEEN DEVELOPED AT THIS TIME.  
 COMMISSION ACTION: REVIEW



I.A.3.5 LICENSING OF PERSONNEL - STATEMENT OF UNDERSTANDING WITH INPO AND DOE (NRR) NRR REVISED: 10/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY -  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: DST CONTACT: MAL ERNST (X28016)  
 OTHER OFFICE/INDIVIDUAL: NRR/S. HANAUER  
 PURPOSE AND SCOPE: 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.

I.B.1.3 MANAGEMENT FOR OPERATIONS - LOSS OF SAFETY FUNCTION (SD) SD,ADM REVISED: 10/80  
 INACTIVE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
 (SEE (TACS: ) RESPONSIBLE BRANCH/DIVISION: SCSB/DES CONTACT: GUNTER ARNDT (X35997)  
 IV.A.2) OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: 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.  
 ACCOMPLISHMENTS:  
 CURRENT STATUS: THIS ITEM HAS BEEN TERMINATED IN FAVOR OF THE ENFORCEMENT POLICY ITEM. (IV.A.2)  
 ISSUES:

I.D.3 CONTROL ROOM DESIGN - SAFETY SYSTEM STATUS MONITORING (NRR) NRR REVISED: 10/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
 (TACS: 41030) RESPONSIBLE BRANCH/DIVISION: HFEB/DHFS CONTACT: SEYMOUR WEISS (X28285)  
 OTHER OFFICE/INDIVIDUAL: OSD  
 PURPOSE AND SCOPE: 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)  
 ACCOMPLISHMENTS: NONE  
 CURRENT STATUS:  
 ISSUES: REVIEWS OF SUBMITTALS PRIOR TO SCHEDULED INITIATION OF NRR EFFORT. OSD REVISION OF REG. GUIDE 1.47.

I.E.5 NUCLEAR PLANT RELIABILITY DATA SYSTEM (SD) SD REVISED: 11/80  
 INACTIVE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
 (SEE (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: ERIC WEISS (X35913)  
 I.E.6) OTHER OFFICE/INDIVIDUAL: AEOD/F. HEBDON; SD/M. MEDEIROS  
 COMMISSION PURPOSE AND SCOPE: 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  
 ACCOMPLISHMENTS: SAME AS ORIGINAL.  
 CURRENT STATUS: NOW INCLUDED IN TASK I.E.6  
 ISSUES:

I.F.2 QUALITY ASSURANCE - DEVELOP MORE DETAILED QA CRITERIA (SD) SD REVISED: 11/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY -  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: STEVEN RICHARDSON (X35913)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: SD WILL DEVELOP MORE DETAILED QA CRITERIA FOR DESIGN, CONSTRUCTION, AND OPERATIONS.

SCHEDULE: (ORIGINAL) (CURRENT)  
ACCOMPLISHMENTS:  
CURRENT STATUS: ACTION ON TASK NOT YET SCHEDULED.  
ISSUES:

I.G.2  
INACTIVE

SCOPE OF TEST PROGRAM - PREOPERATIONAL AND LOW-POWER  
TESTING (NRR)

NRR,IE,SD

REVISED: 10/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: DHFS/PTRB  
OTHER OFFICE/INDIVIDUAL: IE/R. WESSMAN

CONTACT: DONALD FISCHER (X28649)

PURPOSE AND SCOPE: 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 AS ORIGINAL.

ACCOMPLISHMENTS: N/A

CURRENT STATUS: N/A

ISSUES: N/A

II.A.2 SITE EVALUATION OF EXISTING FACILITIES (NRR) NRR REVISED: 10/80  
INACTIVE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
COMMISSION(TACS: 5365) RESPONSIBLE BRANCH/DIVISION: SAB CONTACT: JAN NORRIS (X28437)  
OTHER BRANCHES/INDIVIDUAL: NOT IDENTIFIED YET  
PURPOSE AND SCOPE: 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. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: WORK SCOPE IS IN PROCESS OF PREPARATION.  
CURRENT STATUS: TAP II.A.1 HAS TO BE ESSENTIALLY COMPLETED BEFORE THIS CAN PROCEED. WORK PLANS ARE IN PLANNING STAGES.  
ISSUES: NONE TO DATE.

II.B.7 SAFETY REVIEW CONSIDERATION - ANALYSIS OF HYDROGEN NRR,SD REVISED: 10/80  
INACTIVE CONTROL (NRR)  
(SEE \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
II.B.8) (TACS: 42848) RESPONSIBLE BRANCH/DIVISION: CSB/DSI CONTACT: CHARLES TINKLER (X29421)  
OTHER OFFICE/INDIVIDUAL: RSB/J. LONG  
PURPOSE AND SCOPE: 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)  
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 COMPLETED 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:

II.C.4 RISK ASSESSMENT - RELIABILITY ENGINEERING (NRR) NRR,RES REVISED: 10/80  
INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RRAB/DST CONTACT: ASHOK THADANI (X28090)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: NRR WILL DEVELOP CRITERIA AND PROCEDURES TO APPLY RELIABILITY ENGINEERING PRACTICES TO NUCLEAR PLANT ACTIVITIES ON A COMPREHENSIVE AND CONSISTENT BASIS. ULTIMATELY, RELIABILITY ASSURANCE PROGRAM REQUIREMENTS WILL BE PROMULGATED BY SD IN A NEW REGULATORY GUIDE.  
SCHEDULE: (ORIGINAL) FY 1982 - SCHEDULE DEPENDENT ON AVAILABILITY OF RESOURCES. (CURRENT) N/A  
ACCOMPLISHMENTS: N/A  
CURRENT STATUS: N/A  
ISSUES: INITIATION OF THIS ACTION ITEM DEPENDS UPON THE AVAILABILITY OF RESOURCES.

II.E.2.1 RELIANCE ON THE EMERGENCY CORE COOLING SYSTEM (ECCS) (NRR) NRR REVISED: 11/80  
INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI CONTACT: NORMAN LAUBEN (X27589)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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) (CURRENT)

ACCOMPLISHMENTS:  
CURRENT STATUS: DELAYED UNTIL 1982 WHEN RESOURCES SHOULD BECOME AVAILABLE.  
ISSUES:

II.E.2.3 NRR,ADM REVISED: 11/80  
INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI CONTACT: NORMAN LAUBEN (X27589)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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) (CURRENT)  
ACCOMPLISHMENTS:  
CURRENT STATUS: DELAYED UNTIL 1982 WHEN RESOURCES SHOULD BECOME AVAILABLE.  
ISSUES:

II.E.3.3 NRR REVISED: 10/80  
INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: 40042) RESPONSIBLE BRANCH/DIVISION: DSI/SPEB CONTACT: RICHARD LOBEL (X27463)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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.  
SCHEDULE: (ORIGINAL) (1) DEVELOP OBJECTIVES IN CONJUNCTION WITH ACRS 11/80; (2) PERFORM RISK  
ASSESSMENT 7/1/81; (3) STUDY ALTERNATIVE CONCEPTS AND MAKE RECOMMENDATION 12/31/82. (CURRENT) SAME  
AS ORIGINAL.  
ACCOMPLISHMENTS: EFFORT HAS NOT YET STARTED.  
CURRENT STATUS: EFFORT HAS NOT YET STARTED.  
ISSUES: NONE IDENTIFIED.

II.E.4.3 NRR REVISED: 10/80  
INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CSB/DSI CONTACT: JOHN KUDRICK (X29415)  
OTHER OFFICE/INDIVIDUAL: NRR/J. SHAPAKER  
PURPOSE AND SCOPE: 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.  
(CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: STATEMENT OF SAFETY RATIONALE WRITTEN 09/24/80.  
CURRENT STATUS: IN THE NRR PRIORITY LISTING OF THE TMI ACTION PLAN ITEMS, ITEM II.E.4.3, IS A LOWER  
PRIORITY ITEM AND WILL BE ADDRESSED CONTINGENT ON STAFF MANPOWER AVAILABILITY. SINCE ADMINISTRATIVE  
MEASURES ARE IN PLACE TO ASSURE PROPER VALVE ALIGNMENT, AND SINCE II.E.4.3 DOES NOT STEM DIRECTLY FROM  
THE TMI-2 EXPERIENCE, II.E.4.3 HAS BEEN GIVEN A LOWER PRIORITY RATING AND WILL BE ADDRESSED LATER.  
ISSUES: NONE

II.E.6 NRR REVISED: 10/80  
INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY -  
(TACS: 42416) RESPONSIBLE BRANCH/DIVISION: EQB/DE CONTACT: JOHN ZUDANS (X27363)  
OTHER OFFICE/INDIVIDUAL: NRR/F. CHERNY  
PURPOSE AND SCOPE: PURPOSE OF THIS PROGRAM IS TO ESTABLISH THE ADEQUACY OF CURRENT REQUIREMENTS FOR VALVE  
TESTING IN PROVIDING ASSURANCE OF VALVE FUNCTIONS. SCOPE WILL BE LIMITED TO SAFETY-RELATED VALVES.  
SCHEDULE: (ORIGINAL) INITIATION DATE IS EXPECTED BEGINNING OF FY-81. COMPLETION IS ANTICIPATED END OF FY-82.  
(CURRENT) SAME AS ORIGINAL SCHEDULE.  
ACCOMPLISHMENTS: NONE  
CURRENT STATUS: PROPOSED PLAN IS TO CONTRACT FOR THIS WORK DURING FY 81-82. THE DETAILED SCOPE OF WORK  
IS PRESENTLY BEING DEFINED.



ISSUES: NONE

- II.F.4 STUDY OF CONTROL AND PROTECTION ACTION DESIGN REQUIREMENTS (NRR) NRR REVISED: 10/80  
INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ICSB/DSI CONTACT: RODNEY SATTERFIELD (X27635)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: TO ADDRESS THREE SPECIFIC RECOMMENDATIONS RELATED TO CONTROL  
AND PROTECTION OF SYSTEM DESIGNS. RECOMMENDATIONS WERE MADE BY SIG.  
SCHEDULE: (ORIGINAL) UNSPECIFIED. (CURRENT) INITIATE JAN.1982, COMPLETE JAN.1983  
ACCOMPLISHMENTS: NONE  
CURRENT STATUS: NO WRK HAS BEEN INITIATED. PRESENTLY NO MANPOWER IS AVAILABLE TO BEGIN THE  
ISSUES: NONE IDENTIFIED.
- II.J.1.3 INCREASE REGULATORY CONTROL OVER PRESENT NONLICENSEES (IE) IE REVISED: 10/80  
INACTIVE \*\*COMPLETION DATE > FYS1 \*PRIORITY -  
COMMISSION(TACS: ) RESPONSIBLE BRANCH/DIVISION: RCI/IE CONTACT: WAYNE REINMUTH (X27551)  
OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG  
PURPOSE AND SCOPE: THIS TASK WILL EXAMINE THE FEASIBILITY OF LICENSING NUCLEAR STEAM SYSTEM SUPPLIERS,  
ARCHITECT ENGINEERS AND MAJOR CONSTRUCTORS. ALTERNATE METHODS OF EXERCISING CONTROL WILL ALSO BE  
EXAMINED AND DISCUSSED IN A COMMISSION PAPER.  
SCHEDULE: (ORIGINAL) INITIATE COMMISSION PAPER 11/82. (CURRENT) COMPLETE COMMISSION PAPER 11/82.  
ACCOMPLISHMENTS: N/A  
CURRENT STATUS: N/A  
ISSUES: REVISIONS TO PART 21 ALLOWING ENHANCED ENFORCEMENT MAY RESULT IN MORE EFFECTIVE CONTROL OVER  
ACTIVITIES OF THE SUBJECT NON-LICENSEES WHICH MAY NEGATE NEED OR DESIRABILITY OF DIRECT LICENSING.  
COMPLETION OF REVISIONS TO PART 21 ARE ANTICIPATED IN LATE 1981.
- II.J.1.4 ASSIGN RESIDENT INSPECTORS TO REACTOR VENDORS AND ARCHITECT-ENGINEERS (IE) IE REVISED: 10/80  
INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RCI/IE CONTACT: WAYNE REINMUTH (X27551)  
OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG; REGION IV/U. POTAPOVS  
PURPOSE AND SCOPE: RESIDENT INSPECTORS WILL BE ASSIGNED TO THE CENTRAL OFFICES OF ONE NUCLEAR STEAM  
SUPPLIER AND ONE ARCHITECT ENGINEER ON A TRIAL BASIS TO DETERMINE IF MORE EFFECTIVE INSPECTION  
CAN BE ACCOMPLISHED BY THIS METHOD.  
SCHEDULE: (ORIGINAL) RESOURCES REQUESTED IN FY 82 BUDGET; RECRUIT PERSONNEL IF APPROVED IN BUDGET  
PROCESS 12/81; ASSIGN PERSONNEL TO SPECIFIC VENDORS 02/82. (CURRENT) N/A  
ACCOMPLISHMENTS:  
CURRENT STATUS:  
ISSUES: DECISION TO PROCEED IS CONTINGENT UPON APPROVAL OF BUDGET REQUEST.
- II.J.3.2 MANAGEMENT FOR DESIGN AND CONSTRUCTION - ISSUE REG. GUIDE (SD) SD,ADM REVISED: 10/80  
INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
(SEE (TACS: 42061) RESPONSIBLE BRANCH/DIVISION: SCSB CONTACT: HANK ASHAR (X35997)  
I.B.1.1) OTHER OFFICE/INDIVIDUAL: NRR/J. SNELL  
PURPOSE AND SCOPE: DEVELOP CRITERIA TO IMPROVE LICENSE APPLICANTS' OVERSIGHT OF DESIGN, CONSTRUCTION  
AND MODIFICATION ACTIVITIES.  
SCHEDULE: (ORIGINAL) CRITERIA - FOLLOW SCHEDULE I.B.1.1, PARTS (1)-(5). SD TO ISSUE REG. GUIDE FOR  
COMMENT BY 03/81 AND FINAL BY 08/81. (CURRENT) PROVIDE SD WITH DRAFT MATERIAL 10/80.  
ACCOMPLISHMENTS: WORKING ON I.B.1.1 FIRST. NO SPECIFIC ACCOMPLISHMENTS FOR THIS TASK.  
CURRENT STATUS: CONSIDERING HOW TO EXPAND I.B.1.1 TO INCLUDE CRITERIA FOR DESIGN AND CONSTRUCTION ACTIVITIES.  
ISSUES: NEED TO COMPLETE ACCEPTABLE DRAFT OF I.B.1.1 WHICH II.J.3.2 IS DEPENDENT ON.

- III.D.1.2 RADIOACTIVE GAS MANAGEMENT (NRR) NRR,RES,ADM REVISED: 11/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI CONTACT: RICHARD BANGART (X27633)  
 OTHER OFFICE/INDIVIDUAL: NRR/W.GAMMILL, V. MALAFEEW,  
 PURPOSE AND SCOPE: 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) SAME AS ORIGINAL.  
 ACCOMPLISHMENTS: NONE  
 CURRENT STATUS: SAME AS ISSUE :  
 ISSUES: 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.
- III.D.1.4 RADWASTE SYSTEM DESIGN FEATURES TO AID IN ACCIDENT RECOVERY AND DECONTAMINATION (NRR) NRR,SD,ADM REVISED: 11/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI CONTACT: RICHARD BANGART (X27633)  
 OTHER OFFICE/INDIVIDUAL: NRR/W.GAMMILL  
 PURPOSE AND SCOPE: NRR 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) ISSUE A CONTRACT TO INITIATE THE STUDY 10/81. (CURRENT) SAME AS ORIGINAL.  
 ACCOMPLISHMENTS: NONE  
 CURRENT STATUS: N/A  
 ISSUES: N/A
- III.D.2.1 RADIOLOGICAL MONITORING OF EFFLUENTS (NRR) NRR,SD,ADM REVISED: 11/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI CONTACT: PHIL STODDART (X27682)  
 OTHER OFFICE/INDIVIDUAL: DSI/ETSB/W. GAMMILL  
 PURPOSE AND SCOPE: 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) ISSUE CONTRACT TO INITIATE THE SUBJECT STUDY 10/81. REVISE SRPS/REG. GUIDES  
 09/30/84. (CURRENT) SAME AS ORIGINAL.  
 ACCOMPLISHMENTS: NONE  
 CURRENT STATUS: N/A  
 ISSUES: N/A
- III.D.2.5 OFFSITE DOSE CALCULATION MANUAL (NRR) NRR,IE REVISED: 11/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: RAB/DSI CONTACT: FRANK CONGEL (X27542)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: PREPARE A DOSE MANUAL THAT CAN BE USED BY LICENSEE AND NRC STAFF TO QUICKLY EVALUATE  
 OFFSITE DOSES DURING AN ACCIDENT.  
 SCHEDULE: (ORIGINAL) (CURRENT) DELAYED UNTIL FY 82.  
 ACCOMPLISHMENTS: NONE  
 CURRENT STATUS:  
 ISSUES: THERE APPEARS TO BE REDUNDANT EFFORT ON PRODUCING THIS MANUAL. Eppo AND I&E ARE EITHER DRAFTING  
 OR HAVE DRAFTED A MANUAL TO ACCOMPLISH THIS SAME GOAL. RAB IS PARTICIPATING IN THE REVIEW AND  
 PREPARATION OF THESE MANUALS. ADDITIONAL EFFORT BY RAB MAY NOT BE NECESSARY IF THE FINAL MANUAL  
 MEETS THE NEEDS OF THIS TAP.

- IV.B.1 INACTIVE REVISE PRACTICES FOR ISSUANCE OF INSTRUCTIONS AND INFORMATION TO LICENSEES (IE) REVISD: 10/80  
 \*\*COMPLETION DATE > FY81 \*PRIORITY - IE  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: ROI/IE CONTACT: ED JORDAN (X28180)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: DEVELOP A MORE EFFICIENT AND EFFECTIVE MANAGEMENT METHOD FOR ISSUING INFORMATION AND REQUIREMENTS TO LICENSEES TO ELIMINATE THE DUPLICATION OF STAFF EFFORT FOR NRC AND LICENSEES. PROVIDE AN NRC-WIDE SYSTEM FOR TRACKING SAFETY ISSUES.  
 SCHEDULE: (ORIGINAL) DECISION GROUP D. (CURRENT) ESTABLISH INTEROFFICE TASK GROUP TO REVIEW METHODS 06/81; PREPARE COMMISSION PAPER WITH RECOMMENDED METHODS 08/81; REVISE OFFICE PROCEDURES TO IMPLEMENT SELECTED METHOD(S) 11/81.  
 ACCOMPLISHMENTS: NONE  
 CURRENT STATUS:  
 ISSUES: THE GAO CLEARANCE FOR GENERIC CORRESPONDENCE WAS RENEWED FOR AN INTERIM PERIOD UNTIL NOVEMBER 30, 1980 BASED ON GAO BELIEF THAT THE GENERIC CLEARANCE HAD BEEN ABUSED. THE ADMINISTRATIVE AND LEGAL PROBLEMS ASSOCIATED WITH LOSS OR RESTRICTION OF THE GENERIC CLEARANCE IS UNDER REVIEW BY A SHORT TERM TASK GROUP.
- IV.C.1 INACTIVE EXTEND LESSONS LEARNED FROM TMI TO OTHER NRC PROGRAMS (NMSS) NMSS,NRR REVISD: 11/80  
 \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: BOB BROWNING (X74200)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE:  
 SCHEDULE: (ORIGINAL) (CURRENT)  
 ACCOMPLISHMENTS:  
 CURRENT STATUS: THIS PROJECT IS NOT SCHEDULED FOR ANY ACTION FOR AT LEAST 6 MONTHS. (UNTIL 05/31).  
 ISSUES:
- IV.E.3 INACTIVE PLAN FOR RESOLVING ISSUES AT CONSTRUCTION PERMIT STAGE (NRR) NRR,ELD REVISD: 10/80  
 \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: CONTACT:  
 OTHER OFFICE/INDIVIDUAL: NOT ASSIGNED  
 PURPOSE AND SCOPE: 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 ALTERNATIVE LISTED IN THE ACTION PLAN.  
 SCHEDULE: (ORIGINAL) NO SCHEDULE YET ESTABLISHED. (CURRENT)  
 ACCOMPLISHMENTS:  
 CURRENT STATUS: A PLAN IS NOT SCHEDULED FOR PREPARATION UNTIL "...FY 82 OR LATER."  
 ISSUES:
- IV.G.1 INACTIVE DEVELOP A PUBLIC AGENDA FOR RULEMAKING (ADM) ADM REVISD: 11/80  
 \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: ADM CONTACT: JOHN PHILIPS (X27086)  
 OTHER OFFICE/INDIVIDUAL: ADM/L. COOPER  
 PURPOSE AND SCOPE: DEVELOP AND PUBLISH IN THE FEDERAL REGISTER A SEMI-ANNUAL 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) (CURRENT) PLAN TO DEVELOP AND PUBLISH AN AGENDA BY 10/83.  
 ACCOMPLISHMENTS: NONE TO DATE  
 CURRENT STATUS: PROGRAM SCHEDULED FOR FY 83.  
 ISSUES: NONE
- \*IV.G.2 INACTIVE PERIODIC AND SYSTEMATIC REEVALUATION OF EXISTING RULES (SD) SD REVISD: 10/80  
 \*\*COMPLETION DATE > FY81 \*PRIORITY 3  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: PAT RATHBUN (X35981)  
 OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: IN COMPLIANCE WITH EXECUTIVE ORDER 12044, REVIEW RULES AND REGULATIONS FOR CLARITY OF EXPRESSION AND MEANING.  
SCHEDULE: (ORIGINAL) SCHEDULE WILL BE ESTABLISHED IN NORMAL NRC BUDGETARY PROCESS.  
ACCOMPLISHMENTS: NONE  
CURRENT STATUS: NONE  
ISSUES: NONE

\*IV.G.3  
INACTIVE

IMPROVE RULEMAKING PROCEDURES (SD) SD REVISED: 10/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: PAT RATHBUN (X35981)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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

\*IV.G.4  
INACTIVE

STUDY ALTERNATIVES FOR IMPROVED RULEMAKING PROCESS (SD) SD REVISED: 10/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: PAT RATHBUN (X35981)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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.  
SCHEDULE: (ORIGINAL) SCHEDULE WILL BE ESTABLISHED IN NORMAL NRC BUDGETARY PROCESS.  
ACCOMPLISHMENTS: NONE  
CURRENT STATUS: NONE  
ISSUES: NONE



TMI ACTION PLAN TRACKING SYSTEM (APTS)

24 NOVEMBER 1980

RED AND YELLOW ACTION ITEMS (RUN DATE: 12/02)

SUMMARY OF ACTION ITEMS:

CHAPTER I :	<u>3</u>	(OPERATIONAL SAFETY)
CHAPTER II :	<u>22</u>	(SITING AND DESIGN)
CHAPTER III :	<u>8</u>	(EMERGENCY PREPAREDNESS AND RADIATION EFFECTS)
CHAPTER IV :	<u>1</u>	(PRACTICES AND PROCEDURES)
TOTAL	<u>34</u>	

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

RED AND YELLOW ITEMS :	<u>34</u>	(3,22,8,1)
PRIORITY '1' ITEMS :	<u>12</u>	(2,10,0,0)
COMMISSION ACTION ITEMS :	<u>3</u>	(1,1,0,1)
PRIORITY '1' ITEMS :	<u>1</u>	(1,0,0,0)

COMMENTS:

COMMENTS OR QUESTIONS REGARDING THIS MATERIAL SHOULD BE DIRECTED TO  
PAUL VINEYARD, MPA (X27533, MNBB-12711).

I.A.1.1 OPERATIONAL SAFETY - SHIFT TECHNICAL ADVISOR (NRR) NRR,IE REVISED: 10/80  
YELLOW \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: 42055) RESPONSIBLE BRANCH/DIVISION: LQB, DHFS CONTACT: LAWRENCE CROCKER (X29437)  
OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
PURPOSE AND SCOPE: 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  
UNDERWAY 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 RE TRAINING  
REQUIREMENTS TO ALL LICENSES ISSUED 09/05/80.  
CURRENT STATUS: SAME AS ACCOMPLISHMENTS.  
ISSUES: INPO STA REQUIREMENTS ARE ACCEPTABLE FOR INTERIM GUIDANCE. STAFF NOT YET IN POSITION TO FULLY  
ENDORSE SET OF MINIMUM REQUIREMENTS. MORE RIGOROUS INPO GUIDANCE CANNOT BE MET BY 1/1/81.

I.A.2.6(2) LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (SD) SD,NRR,IE,ADM REVISED: 11/80  
YELLOW \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
COMMISSION (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: STEVEN RICHARDSON (X35913)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: STAFF REVIEW OF NRR-80-117 "REQUIREMENTS FOR OPERATOR LICENSING" & MAKE RECOMMENDATIONS  
TO THE COMMISSION.  
SCHEDULE: (ORIGINAL) COMPLETE REVIEW - 9/80; SUBMIT PAPER TO COMMISSION 12/1/80; (CURRENT) SAME ONLY 1/15/81  
ACCOMPLISHMENTS:  
CURRENT STATUS: CONTRACT NOT YET COMPLETE - EXPECT COMPLETE BY 11/80.  
ISSUES:  
COMMISSION ACTION: REVIEW OPERATOR LICENSING GUIDELINES AND ESTABLISH APPROPRIATE

I.D.5(1) CONTROL ROOM DESIGN - IMPROVED INSTRUMENTATION RESEARCH (RES) RES,ADM ): 11/80  
YELLOW OPERATOR - PROCESS COMMUNICATION  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: OSRB/RSR CONTACT: RAY DI SALVO (X74260)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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 SYS. RECOMMENDATIONS DEVELOPED 10/80. INITIAL ALARM SYS RECOMMENDATION DEVELOPED 02/81.  
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, 1080. A REVIEW OF  
ALARM UTILIZATION IN TEST REACTORS WAS COMPLETED 06/80.  
CURRENT STATUS: ALTERNATIVE METHODS FOR PROCESSING AND DISPLAYING INFORMATION THROUGH CRT TERMINALS ARE  
BEING EVALUATED DURING LOFT EXPERIMENTS. OPERATOR PREFERENCES ARE BEING NOTED. A REVIEW OF ALARM  
UTILIZATION IN TWO COMMERCIAL OPERATING REACTORS HAS BEEN PERFORMED AND REPORTS ARE BEING PREPARED.  
NRR AND SD ARE REVIEWING AN RES REQUEST FOR ENDORSEMENT OF THESE EFFORTS.  
ISSUES: AS OF 10/80, NRR AND SD HAVE YET TO PROVIDE A WRITTEN REQUEST FOR OR ENDORSEMENT OF THIS RESEARCH  
IN SPITE OF ITS INCORPORATION INTO THE ACTION PLAN. RES WILL BE FORCED TO SIGNIFICANTLY CURTAIL WORK  
UNLESS ENDORSEMENT IS RECEIVED. FOLLOW-ON EFFORTS RELATED TO ALARM UTILIZATION AND PRIORITIZATION  
AWAIT A CLEARER ARTICULATION OF NEEDS BY USER OFFICES.

I.D.5(2) CONTROL ROOM DESIGN - IMPROVED INSTRUMENTATION RESEARCH (RES) RES,ADM REVISED: 11/80  
YELLOW PLANT STATUS AND POST ACCIDENT MONITORING  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: SRB/RSR CONTACT: RAY DI SALVO (X74260)  
OTHER OFFICE/INDIVIDUAL: RES/OSRB/H. SCOTT  
PURPOSE AND SCOPE: 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. INSTR AND ESF STATUS MONITORING NEEDS ARE RECOMMENDED.  
SCHEDULE: (ORIGINAL) STATUS MONITORING REQUIREMENTS CONFIRMED 12/80. (CURRENT) PWER INSTRUMENTATION REQ'S.

CONFIRMED 08/80 (COMPLETE). ESF STATUS MONITORING REQUIREMENTS CONFIRMED 02/81/ BWR INSTRUMENTATION CONFIRMED 04/81.

ACCOMPLISHMENTS: PWR INSTRUMENTATION REQUIREMENTS WERE CONFIRMED AND RESULTS USED AS INPUT TO REVISION OF REG. GUIDE 1.97. RESULTS WERE TRANSMITTED TO NRR & SD VIA RESEARCH INFO LETTER #98, 08/80.  
CURRENT STATUS: PRELIMINARY WORK ON ESF STATUS MONITORING REQUIREMENTS IS COMPLETE AND A DRAFT REPORT IS BEING PREPARED. RESULTS SHOULD ASSIST NRR AND SD IN ADDRESSING REVISION AND IMPLEMENTATION OF REG. GUIDE 1.47. BWR ACCIDENT SEQUENCES ARE BEING ANALYZED FOR INSTRUMENTATION REQUIREMENTS. EXTENSION OF THE PROGRAM TO DEVELOP DIANOSTIC ALGORITHMS FOR ADVANCED DISTURBANCE ANALYSIS AND SURVEILLANCE SYSTEMS IS BEING CONSIDERED. NRR AND SD ARE REVIEWING AN RES REQUEST FOR ENDORSEMENT OF THIS PROGRAM.  
ISSUES: AS OF 10/80, NRR AND SD HAVE YET TO PROVIDE A WRITTEN REQUEST FOR OR ENDORSEMENT OF THIS RESEARCH IN SPITE OF ITS INCORPORATION IN ACTION PLAN AND UTILIZATION OF RESULTS ALREADY GENERATED. RES WILL BE FORCED TO HALT WORK UNLESS ENDORSEMENT IS RECEIVED.

I.D.5(5)  
YELLOW

CONTROL ROOM DESIGN - IMPROVED INSTUMENTATION RESEARCH (RES)

RES,ADM

REVISED: 11/80

DISTURBANCE ANALYSIS SYSTEMS

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RES/RSR CONTACT: RAY DI SALVO (X74260)  
OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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 DISIGN 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: IMPROVED DISPLAY AND DIAGNOSTIC SYSTEM INSTALLED IN LOFT SINCE 02/80 AND HAS BEEN USED TO MONITOR REACTOR BEHAVIOR DURING SMALL BREAKS AND TRANSIENTS. NRC STAFF AND CONTRACTORS PARTICIPATED IN EPRI & DOE EFFORTS TO ESTABLISH FUNCTIONAL & DESIGN REQUIREMENTS FOR A PROTOTYPE DAS.

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 EXPERIEMENTS. PROGRESS ON OTHER PROTOTYPE SYSTEMS IS BEING MONITORED. NRR AND SD ARE REVIEWING AN RES REQUEST FOR ENDORSEMENT OF THESE EFFORTS.

ISSUES: AS OF 10/80, NRR AND SD HAVE YET TO PROVIDE A WRITTEN REQUEST FOR OR ENDORSEMENT OF THIS RESEARCH IN SPITE OF ITS INCORPORATION INTO THE LESSONS LEARNED TASK FORCE REPORT AND ACTION PLAN. RES WILL BE FORCED TO SIGNIFICANTLY CURTAIL WORK UNLESS ENDORSEMENT IS RECEIVED.

- II.B.1  
YELLOW SAFETY REVIEW CONSIDERATION - REACTOR COOLANT  
SYSTEM VENTS (NRR) NRR,ADM,IE REVISED: 11/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI CONTACT: GERALD MAZETIS (X27359)  
OTHER OFFICE/INDIVIDUAL: NRR/G. ALBERTHAL  
PURPOSE AND SCOPE: TO VENT NONCONDENSIBLE GASES FROM THE REACTOR COOLANT SYSTEM.  
SCHEDULE: (ORIGINAL) INSTALL SYSTEM 01/81. (CURRENT) SUBMIT DESIGN & ANALYSES 07/81; INSTALL SYSTEM 01/82.  
ACCOMPLISHMENTS:  
CURRENT STATUS: FINAL CLARIFICATIONS AND SCHEDULES BEING PUBLISHED.  
ISSUES:
- II.B.2  
YELLOW SAFETY REVIEW CONSIDERATION - PLANT SHIELDING TO PROVIDE  
POST-ACCIDENT ACCESS TO VITAL AREAS (NRR) NRR,IE,SD,ADM REVISED: 11/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RAB/DSI CONTACT: DOUG COLLINS (X27614)  
OTHER OFFICE/INDIVIDUAL: SD/D. PYATT; NRR/T. MURPHY, P. DIBENEDETTO, R. SERBU, F. SKOPEC  
PURPOSE AND SCOPE: 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) DOCUMENT RESULTS ANALYSIS (VITAL AREAS) 01/81; COMPLETE  
MODIFICATIONS (VITAL AREAS) 01/82; EQUIPMENT QUALIFICATION COMMISSION ORDER 01/81 DOCUMENT 6/82 MODIFICATION.  
ACCOMPLISHMENTS: CATEGORY A SERS, 3/80; CLARIFICATION LETTER DRAFT 09/80.  
CURRENT STATUS: A SIGNIFICANT RESEARCH EFFORT IS UNDERWAY AT RES TO INVESTIGATE THE RELEASE OF FISSION  
PRODUCTS FROM THE REACTOR CORE AND TO ASSESS THE PARTITIONING OF THE FISSION PRODUCTS IN VARIOUS  
LOCATIONS IN THE NUCLEAR POWER PLANT. NRR HAS SENT LETTERS TO ALL OPERATING AND NEAR-TERM OPERATING  
REACTORS REQUIRING AN EVALUATION OF THIS PROBLEM, USING A "TID 14844" SOURCE TERM. THESE STUDIES  
AND REPORTS DESCRIBING THEM ARE ALMOST COMPLETE. THE CURRENT SOURCE TERM FOR THE PROPOSED REGULATORY  
GUIDE IS BASED ON THE INTERIM RULE CHANGE TO 10 CFR 50.44, ITEM II.B.8.  
ISSUES: THE RESULTS OF THIS ARE CLOSELY TIED TO THE INTERIM AND FINAL RULEMAKING, ITEM II.B.8. IF THE  
SCHEDULE OF II.B.8 CHANGES, IT COULD IMPACT THE SCHEDULE OF THIS ITEM. LICENSEES ENCOUNTERED PROBLEMS  
IN MEETING 1/1/81 DATE BECAUSE OF EQUIPMENT UNAVAILABILITY (SUCH AS REMOTELY OPERATED VALVES).
- II.B.5(2)  
YELLOW SAFETY REVIEW CONSIDERATION - RESEARCH ON PHENOMENA  
ASSOCIATED WITH DEGRADED CORE (RES) RES REVISED: 11/80  
BEHAVIOR OF CORE MELT  
\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: DRSR CONTACT: CHARLES KELBER (X74320)  
OTHER OFFICE/INDIVIDUAL: AASTR/R. CURTIS; EASTR/M. SILBERBERG; ATP/R. FOULDS  
PURPOSE AND SCOPE: 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) FIRST LARGE SCALE POUR OF MOLTEN FUEL 10/81. DRAFT PROGRAM PLAN FOR  
INTER-OFFICE REVIEW 06/80. NRR REVIEW OF 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.  
ACCOMPLISHMENTS: THE Z/IP STUDY, NUREG/CR 1400 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: DRAFT PROGRAM PLAN REVIEW WILL BE COORDINATED WITH RULEMAKING STEERING GROUP.  
HIGH TEMPERATURE FISSION PRODUCT RELEASE PROGRAM HAS BEEN INITIATED AND FULLY INSTRUMENTED  
TEST SERIES ON STEAM EXPLOSIONS IS ON SCHEDULE. APPLICABLE TECHNOLOGY OF LMFBR SAFETY IS  
BEING RE-ORIENTED TO LWR CORE MELT AREA WITH SCHEDULED EVALUATION OF STATUS OF MARCH 1981,  
EXPECTED TO CONFORM TO RULEMAKING STEERING GROUP FINDINGS.  
ISSUES: CURRENT RESOURCES WILL PROVIDE RESULTS ON 5-6 YEAR TIME FRAME. THIS IS INCONSISTENT  
WITH CURRENT RULEMAKING SCHEDULE.
- II.B.6 SAFETY REVIEW CONSIDERATION - RISK REDUCTION FOR OPERATING



YELLOW

REACTORS IN HIGH-POPULATION DENSITY AREAS (NRR)

NRR,IE,RES

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI CONTACT: JAMES MEYER (X27943)

OTHER OFFICE/INDIVIDUAL: NRR/S. ISRAEL, T. SPEIS

PURPOSE AND SCOPE: TO DEFINE AND EVALUATE ACCIDENT MITIGATION AND ACCIDENT PREVENTION FEATURES THAT WILL SATISFY THE TASK OBJECTIVE, NAMELY THAT OF SIGNIFICANTLY REDUCING RISK FROM DEGRADED CORE OR CORE MELT ACCIDENTS AT HIGH POP. SITES. LIMITED TO ZION & I.P.

SCHEDULE: (ORIGINAL) DECISION ON DESIGN CRITERIA AND BASES - 07/80. (CURRENT) DECISION ON REQUIREMENT FOR FEA URES - 12/80.

ACCOMPLISHMENTS: TECHNOLOGY EXCHANGE (WITH UTILITIES) MEETINGS COMPLETED 06/80.

CURRENT STATUS: STAFF REPORT ON WHETHER FEATURES WILL SIGNIFICANTLY REDUCE RISK, AND IF SO, WHAT ARE THE FUNCTIONAL REQUIREMENTS IS IN PREPARATION. REVIEW OF DSP-PAS EVALUATION OF Z/IP IS IN PROGRESS.

ISSUES: UTILITY INPUT (ZION/INDIAN POINT) IN THE FORM OF A FINAL REPORT WILL BE DELAYED FROM 10/80 TO 1/81.

II.C.2

CONTINUATION OF IREP (RES)

RES

REVISED: 10/80

YELLOW

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

COMMISSION(TACS: 40013) RESPONSIBLE BRANCH/DIVISION: RRAB/DST CONTACT: ASHOK THADANI (X28090)

OTHER OFFICE/INDIVIDUAL: NONE

PURPOSE AND SCOPE: FOLLOWING COMPLETION OF THE INITIAL IREP (II.C.1), IREP 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) NO CHANGE AT PRESENT, BUT SEE ISSUES.

ACCOMPLISHMENTS: N/A

CURRENT STATUS: N/A

ISSUES: DELAYS HAVE BEEN ENCOUNTERED IN THE COMPLETION OF THE PILOT STUDY (CR-3) AND IN THE INITIATION OF THE SIX-PLANT STUDY, AS IDENTIFIED IN THE SUMMARY FOR ACTION ITEM II.C.1. SINCE PREPARATION OF THE COMMISSION PAPER RECOMMENDING THE APPROACH TO BE USED IN THE CONTINUATION OF THE IREP PROGRAM DEPENDS UPON THE EXPERIENCE OBTAINED DURING THE PILOT STUDY AND THE SIX-PLANT STUDY AND ONGOING NEGOTIATIONS WITH THE INDUSTRY AND TECHNICAL SOCIETIES, THE COMMISSION PAPER MAY BE DELAYED SOMEWHAT.

II.C.3

RISK ASSESSMENT - SYSTEMS INTERACTION (NRR)

NRR,IE,SD,RES,ADM

REVISED: 10/80

YELLOW

\*\*COMPLETION DATE > FY81 \*PRIORITY 1

(TACS: 42044) RESPONSIBLE BRANCH/DIVISION: SIB/NRR CONTACT: JOHN STOLZ (X27391)

OTHER OFFICE/INDIVIDUAL: NRR/THADANI, KNIEL  
SD/NORBERG

PURPOSE AND SCOPE: DEVELOP METHODOLOGY FOR SYSTEMS INTERACTION (SI) ANALYSIS OF LWR'S; AND THE REGULATORY GUIDANCE FOR USE BY STAFF & INDUSTRY IN SI EVALUATIONS 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 4/1/81. REGULATORY GUIDANCE FROM A-17 STUDIES DRAFT BY 12/80; REG. GUIDE BY 6/81. (CURRENT) DIABLO CANYON INDUCED SI STUDIES; SER ISSUANCE 10/80; ACRS 11/80; F.P. 3/81 INDIAN POINT 3 SI REVIEW: START 10/80; LICENSEE STUDIES COMPLETE 4/81; SER 9/81 REGULATORY GUIDANCE - (NONE FROM A-17); INTERIM GUIDANCE FROM REG. GUIDANCE DEVELOPMENT TASK; DRAFT 7/81; INTERIM GUIDANCE 10/81.

ACCOMPLISHMENTS: DEVELOP TECH ASSISTANCE PROGRAM THROUGH FY 82 - ISSUED JUNE 80; REVISED 8/12/80. AUTHORIZED TECH ASSISTANCE EFFORT FY 80 ON DIABLO CANYON & STATE-OF-ART ON SI; 7/8/80. INITIATE INDIAN POINT 3 SI EFFORT; INITIAL MEETING WITH LICENSEE 7/24/80. ISSUED DIABLO CANYON SI SER-10/80.

CURRENT STATUS: THREE LABS (LLL, BNL, BCL) CONDUCTING FY 80 STATE-OF-ART STUDIES ON SI FROM WHICH SEVERAL METHODOLOGIES CAN BE DEVELOPED FOR NEAR TERM USE (MID FY 81) BY STAFF INDUSTRY; FINAL REPORTS DUE 11/10/80. SER TO BE ISSUED ON DIABLO CANYON STUDIES BEFORE 10/1/80 FOR USE AT OCT. 80 ACRS MEETING. TECH. ASSISTANCE RFP CONTRACTS FOR FY 81-82 SUBMITTED TO PROGRAM SUPPORT IN 09/80, AWAITING TRANSMITTAL TO LABS - WORK INVOLVES I.P. #3 SI REVIEWS; DEVELOPMENT OF SI REG GUIDANCE; AND STARTING PILOT SI REVIEWS OF SELECTED LWR PLANTS.

ISSUES: EXPECT DIFFICULTIES ESTABLISHING CONSENSUS REGARDING SI DEFINITIONS & CRITERIA; AND METHODS THAT CAN SYSTEMATICALLY PICK UP ACTUAL OPERATING OCCURRENCES INVOLVING SI. RELATED SANDIA EFFORT ON A-17 NOT PROGRESSING TOWARDS RESOLUTION; FAULT FREE METHODOLOGY NEEDS REVIEW TO DETERMINE FEASIBILITY OF REFLECTING A RANGE OF ACTUAL SI OPERATING OCCURRENCES; PROGRAM SUPPORT DELAYS IS PRESENTLY RFP'S FOR FY 81 & FY 82 TO THE LABS.

II.D.1  
YELLOW

COOLANT SYSTEM VALVES - TESTING REQUIREMENTS (NRR) REVISED: 10/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: 41068) RESPONSIBLE BRANCH/DIVISION: EPLB, EPPD CONTACT: FRANK PAGANO (X27846)  
OTHER OFFICE/INDIVIDUAL: NRR/E. HEMMINGER, R. LAGRANGE  
PURPOSE AND SCOPE: APPLICANTS & LICENSEES TO CONDUCT TESTING TO QUALIFY REACTOR COOLANT RELIEF AND SAFETY VALVES 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. (CURRENT) SAME AS ORIGINAL PLUS A REQUIREMENT FOR VERIFICATION OF PWR-PORV BLOCK VALVE FUNCTIONABILITY BY 07/82 HAS BEEN SENT TO D. EISENHUT FOR ISSUANCE TO PWR LICENSEES & NTOL'S.  
ACCOMPLISHMENTS: A) REVIEW AND COMMENTS ON GENERIC TESTS PROGRAMS - (PWR'S (EPRI PROGRAM) - 08/80 (NRC-EPRI MEETING) BRW'S (BWR OWNERS) - ESTIMATE 10/80. B) REQUIREMENTS FOR VERIFICATION OF PORV BLOCK VALVE FUNCTIONABILITY AND PLANT SPECIFIC DOCUMENTATION SUBMITTAL DATES FOR SAFETY AND RELIEF VALVES AND ASSOCIATED PIPING WERE SENT TO D. EISENHUT FOR TRANSMITTAL TO LICENSEES AND NTOL'S 8-1-80.  
CURRENT STATUS: THE EPRI PROGRAM PLAN FOR TESTING OF PWR SAFETY AND RELIEF VALVES HAS BEEN SUBMITTED AND IS BEING REVIEWED FOR COMMENTS. THESE COMMENTS WILL BE DISCUSSED AND PRESENTED TO EPRI BY THE NRC SAFETY AND RELIEF VALVE REVIEW GROUP DURING A MEETING SCHEDULED FOR AUGUST 12, 1980. THE BWR OWNERS HAVE COMMITTED TO LOW PRESSURE LIQUID TESTING OF SAFETY AND RELIEF VALVES, AND ARE EVALUATING THE NEED FOR HIGH PRESSURE LIQUID AND TWO PHASE FLOW TESTING. THE RESULTS OF THIS EVALUATION WILL BE PRESENTED TO THE NRC SAFETY AND RELIEF VALVE REVIEW GROUP AT A MEETING SCHEDULED FOR AUGUST 27, 1980. IT HAS BEEN AGREED THAT, SHOULD HIGH PRESSURE LIQUID AND TWO PHASE FLOW TESTING BE REQUIRED, IT COULD BE INCORPORATED INTO THE TEST PROGRAM AND COMPLETED BY JULY 1981, PROVIDED THAT THE OWNERS GROUP RECEIVES A FINAL POSITION ON THE NEED FOR SUCH TESTING FROM THE NRC BY NO LATER THAN OCTOBER 1, 1980.  
ISSUES: THE PRIMARY PROBLEM AS OF 8/11/80 IS THAT THE SCHEDULE FOR PWR VALVE TESTING APPEARS TIGHT AND COMPLETION BY JULY 1, 1981 IS QUESTIONABLE.

II.E.1.1  
YELLOW

AUXILIARY FEEDWATER SYSTEM EVALUATION (NRR) NRR, IE, RES REVISED: 10/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: ASB/DSI CONTACT: OLAN PARR (X27931)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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 - ZION 1&2 - 05/80, INDIAN POINT 2 - 05/80, INDIAN POINT 3 - 06/80, D.C. COOK - 08/80, SEQUOYAH 1&2 - 07/80, H. B. ROBINSON - 08/80, SALEM 1&2 - 07/80, NORTH ANNA 1&2 - 06/80. FARLEY 1&2 - 09/80, TROJAN - 09/80, SURREY 1&2 - 10/80.  
CURRENT STATUS: POINT BEACH IS IN DRAFT.  
ISSUES: DIABLO CANYON, SUMMER, MCGUIRE AND SAN ONOFRE 2&3 RELIABILITY EVALUATIONS ARE BEING PERFORMED BY SANDIA. DATES ARE SHORT AND SAN ONOFRE HAS NOT SUPPLIED REQUIRED INFORMATION.

II.E.1.2  
YELLOW

AUXILIARY FEEDWATER SYSTEM AUTOMATIC INITIATION AND FLOW INDICATION (NRR) NRR REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ICSB/DSI CONTACT: DALE THATCHER (X29426)  
OTHER OFFICE/INDIVIDUAL: NRR/R. KENDALL, W. LEFAVE  
PURPOSE AND SCOPE: 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 - 01/81. (CURRENT) RESPONSES FROM LICENSEES DUE 10/80. FINAL COMPLETION DATE 05/81.  
ACCOMPLISHMENTS: SER'S COMPLETE FOR SIX ORS AND THREE NTOLS.  
CURRENT STATUS: REVIEW OF NTOL AND OR SUBMITTALS BY ICSB AND FRANKLIN RESEARCH CENTER IN PROGRESS.  
ISSUES: INCOMPLETE LICENSEE SUBMITTALS.

II.E.3.2  
YELLOW

DECAY HEAT REMOVAL - SYSTEMS RELIABILITY (NRR) NRR, RES REVISED: 11/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1

(TACS: 43187) RESPONSIBLE BRANCH/DIVISION: RSB/DSI CONTACT: BRIAN SHERON (X27460)  
OTHER OFFICE/INDIVIDUAL: RES/M. TAYLOR; NRR/A. MARCHESI  
PURPOSE AND SCOPE: 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.  
SCHEDULE: (ORIGINAL) COMPLETE STUDIES 08/82. (CURRENT) DEVELOP CRITERIA FOR DESIGN ACCEPTABILITY 02/80.  
COMPLETE STUDIES (UNDECIDED).  
ACCOMPLISHMENTS: INITIATED WORK ON DEVELOPMENT OF ACCEPTANCE CRITERIA FOR DHR RELIABILITY. INITIATED  
WORK TO DEFINE DETAILED WORK SCOPE & EFFORT.  
CURRENT STATUS: WORK TO ACCOMPLISH ITEMS IDENTIFIED ABOVE ONGOING.  
ISSUES: MANPOWER REQUIREMENTS NECESSARY TO COMPLETE WORK ON ORIGINAL SCHEDULE REDUCED AND DIVERTED  
TO HIGHER PRIORITY LICENSING TASKS. ORIGINALLY ESTIMATED COMPLETION DATE OF 08/82 WILL PROBABLY  
BE DELAYED.

II.E.3.4  
YELLOW

DECAY HEAT REMOVAL - ALTERNATE CONCEPTS RESEARCH (RES) RES REVISED: 11/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: EAST/ASTR/RES CONTACT: MELVIN SILBERBERG (X74329)  
OTHER OFFICE/INDIVIDUAL: EAST/T. WALKER  
PURPOSE AND SCOPE: DETERMINE THE TECHNICAL FEASIBILITY OF BACKFITTING PASSIVE CONTAINMENT COOLING  
DEVICES IN EXEMPLARY CONTAINMENT STRUCTURES SUCH AS INDIAN POINT 3. 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 SELECTED 08/81.  
(CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: N/A  
CURRENT STATUS: AWAITING PROCESSING BY ENGINEER CURRENTLY OCCUPIED WITH HIGHER PRIORITY RFPs.  
AGREEMENT IN PRINCIPLE WITH NRR ON TECHNICAL SCOPE AND CONTENT. FURTHER PROGRESS LIMITED  
BY STAFF AVAILABILITY.  
ISSUES: INSUFFICIENT STAFF TO COPE WITH PROCUREMENT PROCESS.

II.E.5.1  
YELLOW

DESIGN EVALUATION OF B&W REACTORS (NRR) NRR REVISED: 11/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(TACS: 03761) RESPONSIBLE BRANCH/DIVISION: RSB/DSI CONTACT: WALTON JENSEN (X29459)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: TO REDUCE THE SENSITIVITY OF B&W PLANTS TO FEEDWATER TRANSIENTS, WITH EMPHASIS  
ON THE OVERCOOLING TRANSIENTS OBSERVED AT B&W PLANTS.  
SCHEDULE: (ORIGINAL) RESPONSES RECEIVED & UNDER REVIEW 09/80. (CURRENT) RESPONSES TO BE REVIEWED  
IN CONCERT WITH II.E.5.2 FOR EVENTUAL IMPLEMENTATION 09/81.  
ACCOMPLISHMENTS: RESPONSES TO 10/25/79 ORDERS RECEIVED.  
CURRENT STATUS: FURTHER IMPLEMENTATION AWAITING OUTCOME OF STAFF REVIEW OF II.E.5.2.  
ISSUES: INSUFFICIENT RESOURCES AVAILABLE INHOUSE. TECHNICAL ASSISTANCE HAS BEEN INITIATED WITH ANL  
TO PERFORM REVIEW (FIN A2114). CURRENT PROJECTED COMPLETION DATE IS SEPTEMBER 1981.

II.F.1(3)  
YELLOW

ADDITIONAL ACCIDENT MONITORING INSTRUMENTATION (NRR) NRR,IE,ADM REVISED: 11/80  
(CONTAINMENT RADIATION MONITOR)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RAB/DSI CONTACT: DOUG COLLINS (X27614)  
OTHER OFFICE/INDIVIDUAL: NRR/S. BLOCK, C. HENSON, P. STODDARD, B. MORRIS  
PURPOSE AND SCOPE: 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) DOCUMENT  
DESCRIPTION OF MONITORS 07/81; INSTALL MONITORS 01/82.  
ACCOMPLISHMENTS: CATEGORY A SERS, 03/80; CLARIFICATION LETTER 09/80.  
CURRENT STATUS: CHANGES OF SCHEDULE PROPOSED TO COMMISSION. CONTRACT TO PERFORM REVIEWS TO BE SENT FOR  
APPROVAL 10/80.  
ISSUES: THERE ARE NO QUALIFIED MONITORS. VENDORS OF MONITORS EXPECT QUALIFICATION BY EARLY NEXT YEAR.  
VENDOR DELIVERIES THRU 07/81 UNLESS THEY HAVE EQUIPMENT PROCUREMENT PROBLEMS, WHICH WOULD DELAY  
DELIVERIES.



II.F.5 CLASSIFICATION OF INSTRUMENTATION, CONTROL, SD REVISED: 11/80  
YELLOW AND ELECTRICAL EQUIPMENT (SD)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: ERIC WEISS (X35913)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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.  
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.  
ACCOMPLISHMENTS: NONE  
CURRENT STATUS: NDEC REVIEW RESULTED IN STANDARD RETURNED TO WORK GROUP FOR IMPROVEMENT NEXT MEETING 1/81.  
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.

II.H.1 MAINTAIN SAFETY OF TMI-2 AND MINIMIZE ENVIRONMENTAL IMPACT (NRR) NRR,IE REVISED: 10/80  
YELLOW \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: BERNIE SNYDER (X27347)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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)  
ISSUE A FINAL PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT - 02/81.  
ACCOMPLISHMENTS: ISSUED THE DRAFT PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT ON AUGUST 22, 1980.  
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  
IS SCHEDULED TO END ON NOVEMBER 20, 1980.  
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 HEARINGS NECESSARY.

II.H.2 OBTAIN TECHNICAL DATA ON THE CONDITIONS INSIDE THE RES REVISED: 11/80  
YELLOW TMI-2 CONTAINMENT STRUCTURE (RES)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ASTR/RES CONTACT: RON FOULDS (X74323)  
OTHER OFFICE/INDIVIDUAL: IE/M. KIDD NRR/B. SNYDER  
PURPOSE AND SCOPE: 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) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: A RADIATION MONITOR WAS REMOVED (08/15/80 FROM CONTAINMENT AND HAS BEEN SENT  
TO SANDIA FOR EVALUATION.  
CURRENT STATUS: DRAFTS OF INITIAL PLANS FOR EACH OF THE SEVEN IDENTIFIED TASK AREAS HAVE BEEN  
COMPILED FOR REVIEW, FOR APPROVAL BY THE FOUR PARTY TECHNICAL WORKING GROUP, AND FOR  
IMPLEMENTATION UNDER FUNDING PROVIDED PRIMARILY BY DOE. ARRANGEMENTS ARE BEING MADE TO  
INVITE INTERNATIONAL PARTICIPATION IN THE INFORMATION GATHERING, THE MECHANICS OF WHICH  
ARE YET TO BE ESTABLISHED.  
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.



II.J.1.1  
YELLOW

ESTABLISH A PRIORITY SYSTEM FOR CONDUCTING VENDOR INSPECTIONS (IE) IE  
\*\*COMPLETION DATE > FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RCI/IE CONTACT: WAYNE REINMUTH (X27551)  
OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG, J. C. GLYNN; REGION IV/U. POTAPOVS  
PURPOSE AND SCOPE: 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) REQUESTS FOR BID ISSUED FOR ENGAGEMENT OF PRIVATE CONTRACTOR - 08/79; CONTRACT  
AWARDED TO GASSER ASSOC. - 06/80. (CURRENT) CONTRACTOR PROVIDE PROPOSED PLAN FOR SYSTEM - 06/81;  
INITIATE TRIAL USE OF PROPOSED PLAN - 06/82.  
ACCOMPLISHMENTS: SCOPE OF CONTRACT DRAFTED (04/79) FOR ENGAGEMENT OF PRIVATE CONTRACTOR. REQUESTS FOR  
BIDS ISSUED; BIDS RECEIVED AND EVALUATED (06/79) AND CONTRACT AWARDED.  
CURRENT STATUS: CONTRACTOR IN PROCESS OF GATHERING INPUT INFORMATION AND DEVELOPING INITIAL IDEAS FOR  
AN INTEGRATED SYSTEM. SUBMITTAL OF INITIAL PROPOSAL SCHEDULED FOR LATE SEPTEMBER 1980.  
ISSUES: ACCELERATING INCREASE IN REACTIVE INPUT INFORMATION COULD CAUSE SIGNIFICANT INCREASE IN SCOPE  
OF CONTRACT ADVERSELY AFFECTING COMPLETION SCHEDULE.

REVISED: 10/80

II.J.1.2  
YELLOW

MODIFY EXISTING VENDOR INSPECTION PROGRAM (IE) IE  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RCI/IE CONTACT: WAYNE REINMUTH (X27551)  
OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG, J. C. GLYNN, A. B. BENNETT; REGION IV/U. POTAPOVS  
PURPOSE AND SCOPE: CHANGES IN THE CURRENT VENDOR INSPECTION PROGRAM WILL BE MADE TO BETTER REFLECT PRESENT  
CONDITIONS IN THE NUCLEAR SUPPLY INDUSTRY. GREATER EMPHASIS WILL BE PLACED UPON THE INSPECTION OF  
DESIGN CONTROL AND TECHNICAL ACTIVITIES AS INDICATED FROM OPERATIONAL AND CONSTRUCTION EXPERIENCE  
FROM EXISTING FACILITIES.  
SCHEDULE: (ORIGINAL) MEETING IN REGION IV TO DISCUSS PROGRAM NEEDS 02/80; REVISE MANUAL CHAPTER 2700 -  
VENDOR INSPECTION PROGRAM; DRAFT EIGHT NEW PROCEDURES FOR TECHNICAL TYPE INSPECTIONS. (CURRENT) REVISE  
MANUAL CHAPTER 2700, NOW SCHEDULED FOR COMPLETION 10/80; COMPLETION AND ISSUANCE OF EIGHT NEW PROCEDURES  
04/81.  
ACCOMPLISHMENTS: NEED AND DIRECTION FOR REVISED PROGRAM IDENTIFIED (02/80).  
CURRENT STATUS: PROGRAM REVISIONS TO MANUAL CHAPTER 2700 ARE IN PROGRESS. FIVE DRAFT INSPECTION PROCEDURES  
HAVE BEEN DRAFTED AND TRIAL USE IS IN PROGRESS.  
ISSUES: STAFF TIME HAS BEEN PREEMPTED BY HIGHER PRIORITY REACTIVE EVENTS WHICH HAS RESULTED IN SCHEDULE  
DELAYS. FURTHER DELAYS MAY BE INCURRED IF SUCH EVENTS CONTINUE AT THE SAME FREQUENCY.

REVISED: 10/80

II.J.2.2  
YELLOW

INCREASE EMPHASIS ON INDEPENDENT MEASUREMENT IN  
THE CONSTRUCTION INSPECTION PROGRAM (IE) IE  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RCI/IE CONTACT: WAYNE REINMUTH (X27551)  
OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG, W. LAUDAN, W. R. RUTHERFORD; REGION I/R. CARLSON  
PURPOSE AND SCOPE: INDEPENDENT MEASUREMENTS OF SELECTED EQUIPMENT AND ACTIVITIES AT CONSTRUCTION SITES ARE  
NEEDED TO PROVIDE GREATER ASSURANCE THAT PLANTS ARE PROPERLY CONSTRUCTED. BOTH DESTRUCTIVE AND NONDESTRUCTIVE  
TESTING OF A VARIETY OF EQUIPMENT IS BEING PERFORMED UNDER SEVERAL PLANNED PROGRAMS ON AN ON-GOING BASIS.  
SCHEDULE: (ORIGINAL) HIRE INDEPENDENT TEST CONTRACTOR FOR DESTRUCTIVE TESTING 08/79; PROCURE MOBILE VAN FOR  
CONDUCTING NON-DESTRUCTIVE TESTS BY NRC PERSONNEL 09/80; PREPARE PROGRAM INSPECTION PROCEDURES TO  
COVER INDEPENDENT TESTING 08/80; DEVISE NEW PROGRAM FOR VERIFYING ENVIRONMENTAL QUAL. FO EQUIPMENT 08/82.  
(CURRENT) CONDUCT TRIAL PROGRAM WITH VAN EQUIPMENT 09/81.  
ACCOMPLISHMENTS: CONTRACTOR FOR DESTRUCTIVE TESTS HAS BEEN HIRED AND IS PERFORMING TESTS ON ON-GOING BASIS.  
MOBILE VAN HAS BEEN DELIVERED. COMMISSION HAS APPROVED PROGRAM FOR VERIFICATION TESTING OF ENVIRONMENTAL  
QUALIFIED EQUIPMENT.  
CURRENT STATUS: (1) TEST PROGRAM UTILIZING MOBILE NDE VAN WILL BE INITIATED IN 10/80. (2) TESTING OF  
EQUIPMENT AND ADMINISTRATIVE ACTIVITIES CALLED FOR BY THE PROGRAM FOR VERIFICATION TESTING OF  
ENVIRONMENTAL QUALIFIED EQUIPMENT IS PROCEEDING ACCORDING TO THE PLAN OUTLINED IN COMMISSION  
PAPER SECY 80-319.  
ISSUES: SHORTAGE OF RESOURCES WILL PROBABLY DELAY FULL AND ON-TIME ACCOMPLISHMENT OF ALL PLANNED

REVISED: 10/80

ACTIVITIES IN THESE SEVERAL AREAS.

II.J.2.3  
YELLOW  
ASSIGN RESIDENT INSPECTORS TO ALL CONSTRUCTION SITES (IE) IE REVISED: 10/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RCI/IE CONTACT: WAYNE REINMUTH (X27551)  
OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG, L. COBB  
PURPOSE AND SCOPE: RESIDENT INSPECTORS ARE NEEDED TO PROVIDE A MINIMUM LEVEL OF INSPECTION COVERAGE OF ALL SAFETY IMPORTANT ACTIVITIES. SINCE THE SAME ACTIVITIES OCCUR AT ALL SITES RESIDENT INSPECTORS ARE NEEDED AND WILL BE PLACED AT ALL ACTIVE CONSTRUCTION SITES AS RESOURCES BECOME AVAILABLE.  
SCHEDULE: (ORIGINAL) FIRST CONSTRUCTION RESIDENT INSPECTOR ASSIGNED. (CURRENT) ADDITIONAL MANPOWER FOR CONSTRUCTION RESIDENT INSPECTORS REQUESTED IN FY 82 BUDGET.  
ACCOMPLISHMENTS:  
CURRENT STATUS: 20 CONSTRUCTION RESIDENT INSPECTORS WILL BE ON-SITE BY 09/80. 24 CONSTRUCTION RESIDENT INSPECTORS ARE SCHEDULED TO BE ON-SITE BY 09/81. 32 CONSTRUCTION RESIDENT INSPECTORS ARE SCHEDULED TO BE ON-SITE BY 09/82. NOTE: BY LATE 1982 APPROXIMATELY 37 REACTOR SITES ARE EXPECTED TO BE IN AN ACTIVE STATUS. (1980 PROJECTIONS)  
ISSUES: ACCOMPLISHMENT OF OBJECTIVE CONTINGENT UPON APPROVAL OF ADDITIONAL RESOURCES.

II.K.1  
YELLOW  
MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR) NRR REVISED: 11/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ORB/DSI CONTACT: BOB REID (X27381)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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: COMPLETION OF REVIEW OF RESPONSES TO BULLETINS HAS BEEN DELAYED BY HIGH PRIORITY EFFORTS.  
ISSUES:

II.K.2  
YELLOW  
(SEE CURRENT STATUS)  
COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR) NRR,IE REVISED: 11/80  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: BOB REID (X27381)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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.  
ACCOMPLISHMENTS:  
CURRENT STATUS: 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 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 OTSG; 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: 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.

III.A.3.2  
 YELLOW  
 EMERGENCY PREPAREDNESS - IMPROVE OPERATION CENTERS (IE) IE,ADM REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
 (TACS: 42431) RESPONSIBLE BRANCH/DIVISION: X00S/IE CONTACT: BERNIE WEISS (X29575)  
 OTHER OFFICE/INDIVIDUAL: IE/J. HIMES, L. BELL, D. ROSANO, E. WEINSTEIN, K. JACKSON  
 PURPOSE AND SCOPE: UPGRADE THE NRC CAPABILITY FOR SUPPORTING/DECISION-MAKING DURING NUCLEAR INCIDENTS.  
 SCHEDULE: (ORIGINAL) IMPROVE PHYSICAL SPACE, ARRANGEMENT & EQUIPMENT FOR OPS CENTER 06/80; FINAL OPERATIONS  
 CENTER MODIFICATIONS (UNDETERMINED); REGIONAL OPERATIONS CENTER MODIFICATIONS 01/81. (CURRENT)  
 IMPROVE OPS CENTER (ONGOING); FINAL OPS CENTER MODIFICATIONS (UNDETERMINED); REGIONAL OPS CENTER  
 MODIFICATIONS 06/81.  
 ACCOMPLISHMENTS: IMPROVED OPERATIONS CENTER PROCEDURES; TWO DIRECT AND DEDICATED TELEPHONE SYSTEMS;  
 PHYSICAL UPGRADING OF OPERATIONS CENTER; TRAINING OF RESPONSE TEAMS; EXERCISES AND DRILLS.  
 CURRENT STATUS: WORK IN ONGOING IN IMPROVING FACILITIES, PROCEDURES AND EQUIPMENT. WILL BE CONTINUOUS.  
 ISSUES: MAJOR PROBLEM RELATES TO THE UNCERTAINTY OF THE LOCATION OF THE OPERATIONS CENTER FOR FURTHER  
 PLANNING.

III.A.3.3  
 YELLOW  
 EMERGENCY PREPAREDNESS - COMMUNICATIONS (IE) IE,ADM,NRR REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
 (TACS: 42432) RESPONSIBLE BRANCH/DIVISION: X00S/IE CONTACT: BERNIE WEISS (X29575)  
 OTHER OFFICE/INDIVIDUAL: IE/L. BELL, R. ROSANO; ADM/V.KERR  
 PURPOSE AND SCOPE: PROVIDE DEDICATED AND RELIABLE COMMUNICATIONS FOR USE DURING NUCLEAR EMERGENCIES.  
 SCHEDULE: (ORIGINAL) INSTALLATION OF ENS/HPN TELEPHONE SYSTEMS 06/79 03/80; COMMUNICATION SUPPORT FROM  
 OTHER AGENCIES; COMMUNICATIONS STUDY 08/80. (CURRENT) INSTALLATION OF ENS/HPN TELEPHONE SYSTEMS 06/79  
 08/80; COMMUNICATION SUPPORT FROM OTHER AGENCIES (ONGOING); COMMUNICATIONS REPORT TO CONGRESS 09/80.  
 ACCOMPLISHMENTS: REPORT TO CONGRESS NUREG-0729 - 09/80.  
 CURRENT STATUS: WORK TO IMPROVE COMMUNICATIONS IS ONGOING. BASED ON REPORT TO CONGRESS (NUREG-0729) FURTHER  
 ACTIONS WILL BE TAKEN TO IMPROVE PRIMARY, BACKUP AND SUPPLEMENTARY COMMUNICATIONS. SIGNIFICANT IMPROVE-  
 MENTS HAVE BEEN MADE SINCE TMI-2, BUT ADDITIONAL UPGRADING NEEDED FOR VOICE, GRAPHIC, DATA, WRITTEN AND  
 FACE-TO-FACE COMMUNICATIONS.  
 ISSUES: DEVELOPING PRIORITIES FOR EXTENSIVE COMMUNICATIONS NEEDS PLUS ACQUIRING THE NECESSARY FUNDING.  
 IN ADDITION, THE NUCLEAR DATA LINK CONCEPT NEEDS FURTHER DEFINITION.

III.A.3.5  
 YELLOW  
 EMERGENCY PREPAREDNESS - TRAINING, DRILLS, AND TESTS (IE) IE REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: X00S/IE CONTACT: BERNIE WEISS (X29575)  
 OTHER OFFICE/INDIVIDUAL: IE/L. BELL, J. HIMES, D. ROSANO  
 PURPOSE AND SCOPE: HEADQUARTERS AND REGIONAL DRILLS AND EXERCISES ARE NECESSARY TO TEST THE SYSTEM,  
 USE THE NEWSLY DEVELOPED PROCEDURES, BETTER DEFINE INTERFACES AND TRAIN INCIDENT RESPONSE PARTICIPANTS.  
 SCHEDULE: (ORIGINAL) ONGOING. (CURRENT) SAME AS ORIGINAL.  
 ACCOMPLISHMENTS: THREE MAJOR DRILLS HAVE BEEN CONDUCTED, IN ADDITION TO ACTIVATING THE OPS CENTER THREE  
 TIMES AND SEVERAL INSTANCES OF MAINTAINING CENTER ON STANDBY.  
 CURRENT STATUS: ONGOING. WILL CONDUCT MAJOR DRILL APPROXIMATELY ONCE EVERY TWO MONTHS AND PARTIAL DRILLS  
 AT LEAST EVERY FOUR WEEKS.  
 ISSUES: SCHEDULING FREQUENT DRILLS DUE TO RESOURCE LIMITATIONS.

III.C.1  
 YELLOW  
 PUBLIC INFORMATION - PROVIDE TO NEWS MEDIA AND PUBLIC (OPA) OPA,IE REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: OPA CONTACT: FRANK INGRAM (X27715)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: 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; RECOMMEND DOE PUBLISH ADDITIONAL INFORMATION (OPEN); PILOT PROGRAM - SEMINARS FOR NEWS MEDIA 06/80  
 ACCOMPLISHMENTS: REVIEW OF PUBLICLY AVAILABLE DOCUMENTS COMPLETE 06/80.  
 CURRENT STATUS: DOE INITIATING DEVELOPMENT OF NEW LITERATURE; NRC RECOMMENDATION MAY NOT BE NECESSARY.  
 SEMINARS NOT GIVEN OUTSIDE NRC.  
 ISSUES: QUESTION OF PROPRIETY OF NRC SPONSORING SEMINARS HAS TO BE RESOLVED.



III.D.2.3  
YELLOW

LIQUID PATHWAY RADIOLOGICAL CONTROL (NRR)

NRR

REVISED: 10/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 3

(TACS: 12523) RESPONSIBLE BRANCH/DIVISION: HGEB/DOE CONTACT: WILLIAM BIVINS (X28003)

OTHER OFFICE/INDIVIDUAL: NRR/R. BALLARD

PURPOSE AND SCOPE: 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. EVALUATION OF OTHER SITES WAS TO BEGIN IN FY 82 OR LATER. (CURRENT) WITH THE EXCEPTION OF THE ITEM NOTED UNDER CURRENT STATUS, THIS EFFORT IS ON SCHEDULE.

ACCOMPLISHMENTS: EVALUATION OF THE LIQUID PATHWAY EFFECTS OF A CLASS 9 ACCIDENT FOR THE ZION UNIT AND FOR THE SUMMER UNIT ARE COMPLETE AND HAVE BEEN PROVIDED TO PROJECT MANAGEMENT. COMPLETED AUGUST 8 AND ABOUT JULY 15, RESPECTIVELY. THE SUMMER ANALYSES HAVE BEEN REVISED TO REFLECT WATER USE AND FISHERIES UPDATE AND WILL BE SUPPLIED TO PM BY 10/30/80.

CURRENT STATUS: THE INDIAN POINT REVIEW IS ABOUT 20 - 30 PERCENT COMPLETE. THE GROUNDWATER PATHWAY FOR THIS UNIT IS UNIQUE AND PROVIDES LITTLE OPPORTUNITY FOR HOLDUP OF AN ACCIDENTAL RELEASE FROM THE PLANT. THIS HAS REQUIRED A MORE DETAILED ASSESSMENT OF THE LIQUID PATHWAY USERS AND ITS AFFECT ON MAN. DATA IS BEING COLLECTED TO BETTER DEFINE THE FOOD CHAIN PATHWAY AND TO FURTHER DEFINE INFORMATION DESCRIBING THE GROUNDWATER PATHWAY. WE ARE UNAWARE OF ANY ADVERSE IMPACT ON OTHER PHASES OF THIS STUDY. MODELS ARE BEING FURTHER REFINED BASED UPON OUR EXPERIENCE WITH THE INDIAN POINT-ZION-SUMMER EXERCISE.

ISSUES: THE ACTION PLAN PROVIDES INADEQUATE GUIDANCE WITH RESPECT TO THE EVALUATION OF OTHER PLANTS. IT CALLS FOR ADDITIONAL SITE WORK TO BE INITIATED IN FY 82 OR LATER. THIS IS NOT CONSISTENT WITH THE REQUIREMENTS PLACED ON THIS BRANCH BY THE NEW REVIEW REQUIREMENTS THAT WE ASSESSED THE LIQUID PATHWAY. MODIFICATION OF THE ACTION PLAN SCHEDULE WILL BE REQUIRED, BUT IS NOT YET ACCOMPLISHED. THE FINAL SCHEDULES WILL BE AFFECTED SOMEWHAT BY RULEMAKING ON CLASS 5 ACCIDENTS.

III.D.3.1  
YELLOW

RADIATION PROTECTION PLANS (NRR)

NRR,SD

REVISED: 11/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RAB/DSI CONTACT: RICH SERBU (X27621)

OTHER OFFICE/INDIVIDUAL: IEJ. CUNNINGHAM; DSI/D. COLLINS

PURPOSE AND SCOPE: TO ASSURE A COMPREHENSIVE RADIATION PROTECTION PROGRAM THAT WILL FUNCTION EFFECTIVELY DURING ROUTINE OPERATIONS, ANTICIPATED OPERATIONAL OCCURRENCES AND EMERGENCIES.

SCHEDULE: (ORIGINAL) NUREG-0660 ISSUED. INITIATE WORK. (CURRENT) LETTER TO LICENSEES NOTIFYING OF ACTION 05/80; DRAFT PLAN GUIDE CIRCULATED WITHIN NRC FOR COMMENT 09/80; ISSUE DRAFT PLAN GUIDE FOR PUBLIC COMMENT.

ACCOMPLISHMENTS: DRAFT GUIDE ISSUED. IE HP APPRAISALS PROVIDING INFORMATION FOR INCORPORATION INTO GUIDE.

CURRENT STATUS: BECAUSE OF HP APPRAISAL FINDINGS, SCHEDULE HAS BEEN MOVED UP FOR ISSUANCE OF REQUIREMENT TO DEVELOP AND IMPLEMENT RADIATION PROTECTION PLANS. NEW SCHEDULE WOULD REQUIRE DEVELOPMENT EARLY NEXT YEAR AND WOULD REQUIRE THAT LASTING SOLUTIONS TO APPRAISAL FINDINGS BE INCORPORATED IN THE PLAN.

ISSUES: ACCELERATED SCHEDULE WILL TAX MANPOWER.

III.D.3.4  
YELLOW

CONTROL ROOM HABITABILITY (NRR)

NRR,SD,IE

REVISED: 11/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: 42235) RESPONSIBLE BRANCH/DIVISION: AEB/DSI CONTACT: HARRY KRUG (X27849)

OTHER OFFICE/INDIVIDUAL: IE/M. KIDD; NRR/H. SCHIERLING

PURPOSE AND SCOPE: 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 # I.T.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 ON SCHEDULE. LICENSEES TO SUBMIT DETAILED INFORMATION PER 7 MAY 1980 LETTER BY 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. SATISFY OPERATING REACTORS REQUIREMENTS AS PER (1) ABOVE ON A CASE-BY-CASE BASIS. (CURRENT) SAME AS ORIGINAL.



ACCOMPLISHMENTS: (1) GUIDANCE TO OPERATING REACTORS ON 7 MAY 1980. (2) FULL POWER SER COMPLETE FOR SEQUOYAH, NORTH ANNA, FARLEY, MCGUIRE, AND SALEM. (3) TECHNICAL ASSISTANCE CONTRACT AWARDED TO PNL ON 1 AUGUST 1980.  
CURRENT STATUS: SCOPE OF WORK AND SCHEDULE HOLDING CONSISTENT WITH NUREG-C660, NUREG-0694 AND THE NRC LETTER OF 7 MAY 1980.  
ISSUES: IF INDUSTRY SUBMITTALS ARE OF POOR QUALITY, INCREASED COSTS AND SCHEDULES COULD RESULT. TO MAKE THE EVALUATIONS MEANINGFUL, CAREFUL TESTS OF THE CONTROL ROOMS MAY BE NEEDED AS A CONFIRMATORY DEMONSTRATION.

III.D.3.5  
YELLOW

RADIATION WORKER EXPOSURE DATA BASE (SD) SD REVISED: 11/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RHSB/DSHSS CONTACT: ROBERT GOLDSMITH (X35860)  
OTHER OFFICE/INDIVIDUAL: RHSB/D. FLACK  
PURPOSE AND SCOPE: 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)  
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 BEING MADE WITH OTHER NRC OFFICES, DOE AND EPRI TO DETERMINE WHAT RELATED DATA HAS ALREADY BEEN COLLECTED. 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.  
ISSUES: EXACT SCOPE, SCHEDULES AND RESOURCES DEPENDENT ON PASSAGE OF MOFFETT AMENDMENT, PART OF PENDING H.R. 6628, NRC FY '81 AUTHORIZATION BILL.

IV.D.1

NRC STAFF TRAINING (ADM)

ADM

REVISED: 11/80

YELLOW

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

COMMISSION(TACS:

) RESPONSIBLE BRANCH/DIVISION:

CONTACT: PETER GOLDMAN (X28259)

OTHER OFFICE/INDIVIDUAL: ADM/L. COOPER; IE/J. LEDOUX

PURPOSE AND SCOPE: IMPROVE AND EXPAND NRC TRAINING PROGRAM FOR THE TECHNICAL STAFF AND RESIDENT INSPECTORS; AND DEVELOP A TRAINEESHIP/FELLOWSHIP PROGRAM.

SCHEDULE: (ORIGINAL) OBTAIN CONTRACTOR SURVEY ASSISTANCE 08/81; COMMISSION PAPER ON NRC TRAINING PROGRAM FORWARDED 06/80; INCREASE SIMULATOR TRAINING 09/80; PROVIDE MULTI-DISCIPLINARY EDUCATION AND TRAINING (CONTINUING). (CURRENT) OBTAIN CONTRACTOR SURVEY ASSISTANCE - ACTION CHANGED; COMMISSION PAPER ON NRC TRAINING PROGRAM (SEE STATUS) 07/80; INCREASE SIMULATOR TRAINING 1982; PROVIDE MULTI-DISCIPLINARY EDUCATION AND TRAINING (SEE ISSUES) CONTINUING.

ACCOMPLISHMENTS: COMMISSION APPROVED (IN PART) SECY-80-331 9/25/80. NEW DISCIPLINARY TRAINING PROVIDED IN HUMAN FACTORS AND SYSTEMS SAFETY TO APPROXIMATELY 90 PROFESSIONALS. FURTHER TRAINING FUNDED.

CURRENT STATUS: ORAU STRUCTURING ALTERNATIVE TRAINEESHIP/FELLOWSHIP PROGRAMS. FIRST INPUT EXPECTED 11/80. NRC TRAINING FUNDS AVAILABLE FOR VARIETY OF SAFETY AND SYSTEMS MANAGEMENT TRAINING; APPROXIMATELY 40+ EMPLOYEES ENROLLED IN PROGRAMS. SIMULATOR TRAINING CONTINUING AT PREVIOUS LEVEL; REACTOR SYSTEMS TECHNOLOGY TRAINING INCREASED TO MEET HIGHER DEMAND. TECHNICAL TRAINING NEEDS REVIEW TO BE CONDUCTED IN-HOUSE BY MDTs WITH THE COOPERATION OF XOMA/IE.

ISSUES: DUE TO REGULATORY REQUIREMENTS IMPOSED UPON NUCLEAR INDUSTRY, DEMANDS FOR SIMULATOR TRAINING INCREASED; NRC UNABLE TO INCREASE ITS USAGE.

COMMISSION ACTION: REVIEW

TMI ACTION PLAN TRACKING SYSTEM (APTS)

24 NOVEMBER 1980

COMMISSION ACTION ITEMS (RUN DATE: 12/03)

SUMMARY OF ACTION ITEMS:

CHAPTER I :	<u>10</u>	(OPERATIONAL SAFETY)
CHAPTER II :	<u>6</u>	(SITING AND DESIGN)
CHAPTER III :	<u>4</u>	(EMERGENCY PREPAREDNESS AND RADIATION EFFECTS)
CHAPTER IV :	<u>4</u>	(PRACTICES AND PROCEDURES)
TOTAL	<u>24</u>	

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

INACTIVE :	<u>4</u>	(2,2,0,0)
PRIORITY '1' ITEMS :	<u>0</u>	
ACTIVE :	<u>4</u>	(2,2,0,0)
PRIORITY '1' ITEMS :	<u>0</u>	
RED AND YELLOW ITEMS :	<u>2</u>	(0,1,0,1)
PRIORITY '1' ITEMS :	<u>0</u>	
COMMISSION ACTION ITEMS :	<u>24</u>	(10,6,4,4)
PRIORITY '1' ITEMS :	<u>5</u>	(4,1,0,0)

COMMENTS:

COMMENTS OR QUESTIONS REGARDING THIS MATERIAL SHOULD BE DIRECTED TO  
PAUL VINEYARD, MPA (X27533, MNBB-12711)

I.A.1.4 OPERATIONAL SAFETY - LONG-TERM UPGRADING (SD) SD REVISED: 11/80  
 GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY -  
 COMMISSION(TACS: RS0181) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: WILLIAM CAMPBELL (X35913)  
 OTHER OFFICE/INDIVIDUAL: NRR/D. VASSALLO; IE/S. BRYAN; OELD/G. CUNNINGHAM  
 PURPOSE AND SCOPE: DEVELOP CHANGES TO 10 CFR 50 CONCERNING SHIFT STAFFING BY LICENSED OPERATORS AND  
 WORKING HOURS OF LICENSED OPERATORS.  
 SCHEDULE: (ORIGINAL) SD, STAFF REVIEW OF COMMISSION PAPER - 09/80, COMPLETE ITEM - 01/82. (CURRENT) SD STAFF  
 REVIEW IN PROGRESS.  
 ACCOMPLISHMENTS: 10/29 NRR & SD PARTIAL AGREEMENT ON WORKING HOUR LIMITATIONS.  
 CURRENT STATUS: 10/29 NRR SD MEETING DID NOT RESOLVE ALL ISSUES MEETING SCHEDULED FOR 11/12/80.  
 ISSUES: NUMBER OF LICENSED OPERATORS BASED ON NUMBER OF REACTORS, CONTROL ROOM CONFIGURATION  
 & OPERATING MODE SHOULD CURRENT RULEMAKING BE EXPANDED TO INCLUDE NONLICENSED INDIVIDUALS.  
 COMMISSION ACTION: REVIEW

I.A.2.6(3) LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (SD) SD,NRR,IE,ADM REVISED: 11/80  
 GREEN \*\*COMPLETION DATE < FY 82 \*PRIORITY 1  
 COMMISSION(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: STEVEN RICHARDSON (X35913)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: REVISE 10 CFR 55 TO INCLUDE MANDATORY SIMULATOR TRAINING, MANDATORY OPERATING TESTS AT  
 SIMULATORS, AND NRC ADMINISTRATION OF REQUALIFICATION EXAMS.  
 SCHEDULE: (ORIGINAL) ISSUE PROPOSED RULE FOR COMMENT 10/80; ISSUE EFFECTIVE FUEL 09/81. (CURRENT) SAME AS ORIGINAL.  
 ACCOMPLISHMENTS:  
 CURRENT STATUS: COMMISSION PAPER SENT TO EDO 10/27/80.  
 ISSUES:  
 COMMISSION ACTION: REVIEW OPERATOR LICENSING GUIDELINES AND ESTABLISH APPROPRIATE CRITERIA.

I.A.2.6(4) LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (SD) SD,NRR,IE,ADM REVISED: 10/80  
 GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 COMMISSION(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: JOE MCMILLEN (X27476)  
 OTHER OFFICE/INDIVIDUAL: IE/S. BRYAN  
 PURPOSE AND SCOPE: DEVELOP PAPER FOR COMMISSION REVIEW REGARDING WORKSHOPS FOR LICENSED PERSONNEL.  
 SCHEDULE: (ORIGINAL) PROVIDE PAPER FOR COMMISSION ACTION 01/81. (CURRENT) ON SCHEDULE WILL START DRAFT  
 SEPTEMBER 2, 1980.  
 ACCOMPLISHMENTS: NONE TO DATE.  
 CURRENT STATUS: ON SCHEDULE.  
 ISSUES: NONE

I.A.2.6(6) LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (SD) SD,NRR,IE,ADM REVISED: 10/80  
 GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
 COMMISSION(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: JOE MCMILLEN (X27476)  
 OTHER OFFICE/INDIVIDUAL: IE/S. BRYAN  
 PURPOSE AND SCOPE: 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) ON SCHEDULE.  
 ACCOMPLISHMENTS: CONTRACT LETTER 05/80. INTERIM REPORT DUE 08/80.  
 CURRENT STATUS: CONTRACT WORK ON SCHEDULE.  
 ISSUES: NONE  
 COMMISSION ACTION: REVIEW

I.A.3.3 ESTABLISH REQUIREMENTS FOR OPERATOR FITNESS (SD) SD REVISED: 11/80  
 INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY -  
 COMMISSION(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: STEVEN RICHARDSON (X35913)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: DEVELOP REQUIREMENTS FOR OPERATOR FITNESS (STRESS, MALEVOLENCE, ALCOHOL AND DRUG ABUSE)  
 FOR CONSIDERATION BY THE COMMISSION.  
 SCHEDULE: (ORIGINAL) (CURRENT)



ACCOMPLISHMENTS:  
CURRENT STATUS:  
ISSUES: DECISION GROUP D ITEM, NO FIRM SCHEDULE HAS BEEN DEVELOPED AT THIS TIME.  
COMMISSION ACTION: REVIEW

I.A.4.3 FEASIBILITY STUDY FOR PROCUREMENT OF TRAINING  
GREEN SIMULATOR (RES) RES REVISED: 11/80  
COMMISSION\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: DRSR CONTACT: STANISLAV FABIC (X74275)  
OTHER OFFICE/INDIVIDUAL: SD/E. MERSCHOFF; RES/W. FARMER  
PURPOSE AND SCOPE: 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) STUDY PROCEDURES FOR VALIDATING SIMULATOR FIDELITY 09/80; INTERIM REPORT DUE 01/81;  
PUBLISHED REPORT DISTRIBUTED 06/81. (CURRENT) STUDY REVIEWED WITH OSD AND NRR 09/80.  
ACCOMPLISHMENTS: STUDY INITIATED.  
CURRENT STATUS: WORK ON THIS ITEM IS BEING CARRIED OUT UNDER RES SELF-ENDORSED PROJECT RES-80-20,  
"IMPROVEMENT OF EXISTING SIMULATORS," 11/80.  
ISSUES: PROGRAMMATIC VIEWS OF ADM RICKOVER ON USE OF TRAINING SIMULATORS HAVE BEEN ADDED AS A  
SUPPLEMENTARY TASK.  
COMMISSION ACTION: REVIEW

I.A.4.4 FEASIBILITY STUDY TO EVALUATE POTENTIAL VALUE  
GREEN OF NRC ENGINEERING COMPUTER (RES) RES REVISED: 11/80  
(SEE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
I.A.4.3) (TACS: ) RESPONSIBLE BRANCH/DIVISION: DRSR CONTACT: STANISLAV FABIC (X74275)  
COMMISSION OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:  
SCHEDULE: (ORIGINAL)  
ACCOMPLISHMENTS:  
CURRENT STATUS: WORK UNDER THIS ITEM IS BEING CARRIED OUT UNDER RES SELF-ENDORSED PROJECT  
RES 80-20, "IMPROVEMENT OF EXISTING SIMULATORS," 11/80.  
ISSUES:  
COMMISSION ACTION: REVIEW

I.B.1.1 MANAGEMENT FOR OPERATIONS - LONG-TERM  
GREEN IMPROVEMENTS (NRR) NRR,IE,SD,ADM REVISED: 10/80  
COMMISSION\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: 42059) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS CONTACT: LAWRENCE CROCKER (X29437)  
OTHER OFFICE/INDIVIDUAL: IE/S. BRYAN  
PURPOSE AND SCOPE: DEVELOP CRITERIA FOR MANAGEMENT AND TECHNICAL RESOURCES TO OPERATE NUCLEAR  
POWER PLANTS.  
SCHEDULE: (ORIGINAL) ISSUE COMMISSION PAPER BY 01/81. ISSUE REQUIREMENT TO OPERATING PLANTS BY MARCH 1981.  
NRR REVIEW RESPONSES BY 07/81; IE INSPECT IMPLEMENTATION FROM 10/81. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: CONTRACT TO TEKNEKRON COMPLETED (FINAL REPORT DATED MAY 1980) NUREG - 0731, "GUIDE-  
LINES ARE UTILITY MANAGEMENT STRUCTURE AND TECHNICAL RESOURCES," ISSUED FOR INTERIM USE AND PUBLIC  
COMMENT 09/80.  
CURRENT STATUS: DRAFT GUIDELINES BEING SUBJECTIVELY USED IN THE EVALUATION OF NTOLS. INTEND TO ISSUE  
DRAFT CRITERIA AS A NUREG FOR PUBLIC COMMENT BEFORE THE END OF 1980. REVISION TO REG. GUIDE 1.8 ISSUED.  
REVISION TO REG. GUIDE 1.33 WILL BE ISSUED FOR COMMENT IN FALL 1980.  
ISSUES: NONE  
COMMISSION ACTION: REVIEW PROPOSED REQUIREMENTS.

I.C.6 PROCEDURES FOR VERIFICATION OF CORRECT PERFORMANCE  
GREEN OF OPERATING ACTIVITIES (NRR) NRR,IE REVISED: 10/80  
COMMISSION\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: PTRB/DHFS CONTACT: DON BECKMAN (X27741)  
OTHER OFFICE/INDIVIDUAL: SD/T. SCARBROUGH; IE/P. MCKEE  
PURPOSE AND SCOPE: 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 REVISION TO BE  
COMPLETED BY 1/1/81.  
ACCOMPLISHMENTS: CLARIFICATION OF REQUIREMENT PREPARED BY OSD, NRR, IE REPRESENTATIVES.  
CURRENT STATUS: CLARIFICATION, INCLUDING ACCEPTABLE METHOD OF VERIFICATION, ASSEMBLED BY DOL AND ISSUED  
FOR COMMENT ON 09/05/80. COMMENT RESOLUTION COMPLETED. TO BE INCLUDED IN PACKAGE BEING PREPARED  
FOR COMMISSION ACTION.  
ISSUES: NONE  
COMMISSION ACTION: REVIEW

I.C.9 LONG-TERM PLAN FOR UPGRADING OF PROCEDURES (NRR) NRR,IE,SD,RES REVISED: 10/80  
GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
COMMISSION(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: PTRB/DHFS CONTACT: DON BECKHAM (X27741)  
OTHER OFFICE/INDIVIDUAL: IE/D. WESSMAN; NRR/T. SPEIS  
PURPOSE AND SCOPE: TO DEVELOP A LONG-TERM PROGRAM THAT WILL INTEGRATE AND EXPAND ON CURRENT  
EFFORTS IN WRITING, REVIEWING, AND MONITORING OF PLANT PROCEDURES.  
SCHEDULE: (ORIGINAL) PLAN TO BE DEVELOPED BY (07/81). (CURRENT) PLAN TO BE DEVELOPED BY 07/81.  
IN CONJUNCTION WITH TRANSIENT AND ACCIDENT ANALYSIS REQUIRED IN ITEM I.C.1(3).  
ACCOMPLISHMENTS:  
CURRENT STATUS: CLARIFICATION LETTER ON SCOPE AND SCHEDULE HAS BEEN PREPARED AND ISSUED FOR COMMENT ON  
09/05/80. TO BE INCLUDED IN PACKAGE BEING PREPARED FOR COMMISSION ACTION.  
ISSUES: NONE  
COMMISSION ACTION: REVIEW

I.E.5 NUCLEAR PLANT RELIABILITY DATA SYSTEM (SD) SD REVISED: 11/80  
INACTIVE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
(SEE (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: ERIC WEISS (X35913)  
I.E.67 OTHER OFFICE/INDIVIDUAL: AEOD/F. HEBDON; M. MEDEXROS  
COMMISSION PURPOSE AND SCOPE: DETERMINE IF THERE IS NEED TO MAKE F  
SCHEDULE: (ORIGINAL) PUBLISH ADVANCE NOTICE OF PROPOSED STAFF RECOMMENDATION - 07/80; SEND STAFF RECOMMENDATION TO COMMISSION - NOV., 1980. (CURRENT) INCORPORATED INTO  
TASK I.E.6  
ACCOMPLISHMENTS: SAME AS ORIGINAL.  
CURRENT STATUS: NOW INCLUDED IN TASK I.E.6  
ISSUES:  
COMMISSION ACTION: REVIEW

I.E.6 REPORTING REQUIREMENTS FOR ANALYSIS AND DISSEMINATION NRR IE,SD,AEOD,MFA,NMSS,ADM REVISED: 11/80  
GREEN OF OPERATING EXPERIENCE (AEOD)  
COMMISSION \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: DIRECTOR CONTACT: CARLYLE MICHELSON (X29560)  
OTHER OFFICE/INDIVIDUAL: NRR/E. ADENSAM, J. E. KNIGHT; AEOD/C. J. HELTEMES, F. HEBON;  
RES/R. DENNIG; IE/E. BLACKWOOD  
PURPOSE AND SCOPE: (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 NOT JUST "SAFETY RELATED."  
SCHEDULE: (ORIGINAL) COMPLETE COMMISSION PAPER FOR REVIEW AND APPROVAL - JUNE 1981. (CURRENT) COMM.  
PAPER REQUESTING APPROVAL OF AN INTEGRATED REP. SYS. CONCEPT 11/80. PROPOSED RULE: INTEGRATED  
REPORTING SYSTEM 06/81. FINAL RULE: INTEGRATED REPORTING SYSTEM 04/82.  
ACCOMPLISHMENTS: RECOMMENDED INPUT TO COMMISSION PAPER ON AN INTEGRATED REPORTING SYSTEM FORWARDED FROM  
AEOD TO SD (OCTOBER 1980).  
CURRENT STATUS: WORK CONTINUES ON DEFINING THE USES FOR OPERATIONAL DATA THAT MUST BE SUPPORTED BY AN  
INTEGRATED REPORTING SYSTEM. BASED ON THE NEEDS AND COMMISSION APPROVAL OF THE CONCEPT, A RULEMAKING  
WILL BE INITIATED TO ESTABLISH AN INTEGRATED REPORTING SYSTEM FOR OPERATIONAL EXPERIENCE DATA.

ISSUES: NONE  
COMMISSION ACTION: REVIEW

II.A.1 SITING POLICY REFORMULATION (SD) NRR,SD,RES,ADM REVISED: 10/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
COMMISSION(TACS: 5365) RESPONSIBLE BRANCH/DIVISION: SAB CONTACT: JAN NORRIS (X28437)  
OTHER OFFICE/INDIVIDUAL: NRR/L. SOFFER, D. CLEARY, R. BLOND  
PURPOSE AND SCOPE: 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 OSD; PUBLIC FINAL RULE - TO BE ESTABLISHED  
JOINTLY WITH OSD. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: 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 LABORATORIES (SL) 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 SL AND PAS FOR THE STUDY. SL ENGAGED SAI TO ASSIST IN DATA  
PROCESSING AND IS PRESENTLY NEGOTIATING AN AGREEMENT WITH DAMES & MOORE TO CONDUCT IMPACT STUDIES.  
CURRENT STATUS: SAME AS ACCOMPLISHMENTS  
ISSUES: NONE TO DATE.  
COMMISSION ACTION: REVIEW

II.A.2 SITE EVALUATION OF EXISTING FACILITIES (NRR) NRR REVISED: 10/80  
INACTIVE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
COMMISSION(TACS: 5365) RESPONSIBLE BRANCH/DIVISION: SAB CONTACT: JAN NORRIS (X28437)  
OTHER BRANCHES/INDIVIDUAL: NOT IDENTIFIED YET  
PURPOSE AND SCOPE: 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 (ITE 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. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: WORK SCOPE IS IN PROCESS OF PREPARATION.  
CURRENT STATUS: TAP II.A.1 HAS TO BE ESSENTIALLY COMPLETED BEFORE THIS CAN PROCEED. WORK PLANS ARE IN  
PLANNING STAGES.  
ISSUES: NONE TO DATE.  
COMMISSION ACTION: REVIEW

II.B.8 SAFETY REVIEW CONSIDERATION - RULEMAKING PROCEEDING SD,NRR,ADM,RES REVISED: 10/80  
GREEN ON DEGRADED-CORE ACCIDENTS (SD)  
COMMISSION\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: 42849) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: MANUEL MEDEIROS (X35913)  
OTHER OFFICE/INDIVIDUAL: NRR/J. MEYER, S. ISRAEL, T. SPEIS  
PURPOSE AND SCOPE: DEVELOP RULEMAKING ON CONSIDERATION OF DEGRADED OR MELTED CORES IN DESIGN AND SAFETY  
REVIEWS. INCLUDED IS A COMPREHENSIVE REVIEW AND EVALUATION OF RELATED REGULATIONS AND REGULATORY GUIDES  
TO ASSURE DEGRADED COOLING IS CONSIDERED AND APPLIED IN A UNIFORM AND CONSISTENT MANNER.  
SCHEDULE: (ORIGINAL) ADVANCE NOTICE FOR RULEMAKING - 10/80; PROPOSED INTERIM RULE FOR H2 CONTROL, ETC. - 10/80;  
EFFECTIVE INTERIM RULE FOR H2 CONTROL, ETC. 01/81; (CURRENT) PROPOSED RULE FOR DEGRADED COOLING -  
01/82; EFFECTIVE RULE FOR DEGRADED COOLING - 01/83\*. \*ASSUMING NO HEARING.  
ACCOMPLISHMENTS: ADVANCE NOTICE FOR RULEMAKING FOR DEGRADED COOLING AND PROPOSED INTERIM RULE FOR HYDROGEN  
CONTROL AND CERTAIN DEGRADED CORE CONSIDERATIONS APPROVED FOR PUBLICATION IN THE FEDERAL REGISTER.  
CURRENT STATUS: AN ANR FOR DEGRADED COOLING WAS PUBLISHED FOR A 90-DAY PUBLIC COMMENT PERIOD ON 10/02/80. THIS  
RULEMAKING CONSIDERS TO WHAT EXTENT, IF ANY, NUCLEAR POWER PLANTS SHOULD BE DESIGNED TO DEAL EFFECTIVELY  
WITH DEGRADED OR CORE-MELT ACCIDENTS AND TO MITIGATE THEIR CONSEQUENCES.  
ISSUES: THE LONG-TERM DEGRADED CORE COOLING RULEMAKING INVOLVES MANY SIGNIFICANT ISSUES AND PROBLEMS TO BE



RESOLVED. THE ANR SOLICITS PUBLIC COMMENTS REGARDING MANY OF THEM. THE BASIC ISSUE IS WHAT CHANGES, IF ANY, SHOULD BE REQUIRED IN THE SAFETY DESIGN BASIS OF NUCLEAR POWER PLANTS.  
COMMISSION ACTION: REVIEW

II.C.2 CONTINUATION OF IREP (RES) RES REVISED: 10/80  
YELLOW \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
COMMISSION(TACS: 40013) RESPONSIBLE BRANCH/DIVISION: RRAB/DST CONTACT: ASHOK THADANI (X28090)  
OTHER OFFICE/INDIVIDUAL: NONE  
PURPOSE AND SCOPE: FOLLOWING COMPLETION OF THE INITIAL IREP (II.C.1), IREP 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) NO CHANGE AT PRESENT, BUT SEE ISSUES.  
ACCOMPLISHMENTS: N/A  
CURRENT STATUS: N/A  
ISSUES: DELAYS HAVE BEEN ENCOUNTERED IN THE COMPLETION OF THE PILOT STUDY (CR-3) AND IN THE INITIATION OF THE SIX-PLANT STUDY, AS IDENTIFIED IN THE SUMMARY FOR ACTION ITEM II.C.1. SINCE PREPARATION OF THE COMMISSION PAPER RECOMMENDING THE APPROACH TO BE USED IN THE CONTINUATION OF THE IREP PROGRAM DEPENDS UPON THE EXPERIENCE OBTAINED DURING THE PILOT STUDY AND THE SIX-PLANT STUDY AND ONGOING NEGOTIATIONS WITH THE INDUSTRY AND TECHNICAL SOCIETIES, THE COMMISSION PAPER MAY BE DELAYED SOMEWHAT.  
COMMISSION ACTION: REVIEW

II.F.2 IDENTIFICATION OF AND RECOVERY FROM CONDITIONS LEADING TO INADEQUATE CORE COOLING (NRR) NRR,IE REVISED: 11/80  
GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
COMMISSION(TACS: ) RESPONSIBLE BRANCH/DIVISION: CPB/DSI CONTACT: LARRY PHILLIPS (X27140)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: TO ASSURE ADEQUACY OF SYSTEMS AND METHODS TO IDENTIFY AND PROVIDE RECOVERY FROM CONDITIONS LEADING TO INADEQUATE CORE COOLING.  
SCHEDULE: (ORIGINAL) (CURRENT)  
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 THE TMI ACTION PLAN CLARIFICATION LETTER).  
ISSUES:  
COMMISSION ACTION: REVIEW

II.J.1.3 INCREASE REGULATORY CONTROL OVER PRESENT NONLICENSEES (IE) IE REVISED: 10/80  
INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY -  
COMMISSION(TACS: ) RESPONSIBLE BRANCH/DIVISION: RCI/IE CONTACT: WAYNE REINMUTH (X27551)  
OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG  
PURPOSE AND SCOPE: THIS TASK WILL EXAMINE THE FEASIBILITY OF LICENSING NUCLEAR STEAM SYSTEM SUPPLIERS, ARCHITECT ENGINEERS AND MAJOR CONSTRUCTORS. ALTERNATE METHODS OF EXERCISING CONTROL WILL ALSO BE EXAMINED AND DISCUSSED IN A COMMISSION PAPER.  
SCHEDULE: (ORIGINAL) INITIATE COMMISSION PAPER 11/82. (CURRENT) COMPLETE COMMISSION PAPER 11/82.  
ACCOMPLISHMENTS: N/A  
CURRENT STATUS: N/A  
ISSUES: REVISIONS TO PART 21 ALLOWING ENHANCED ENFORCEMENT MAY RESULT IN MORE EFFECTIVE CONTROL OVER ACTIVITIES OF THE SUBJECT NON-LICENSEES WHICH MAY NEGATE NEED OR DESIRABILITY OF DIRECT LICENSING. COMPLETION OF REVISIONS TO PART 21 ARE ANTICIPATED IN LATE 1981.  
COMMISSION ACTION: REVIEW

III.A.1.3 MAINTAIN SUPPLIES OF THYROID BLOCKING AGENT (KI) (NRR) NRR REVISED: 10/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
COMMISSION(TACS: 42428) RESPONSIBLE BRANCH/DIVISION: EPPD CONTACT: BRIAN GRIMES (X27415)  
OTHER OFFICE/INDIVIDUAL: NRR/FRANK G. PAGANO, S. RAMOS; RES/R. BLOND  
PURPOSE AND SCOPE: 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 REQUIREMENTS TO BE  
ISSUED.  
ACCOMPLISHMENTS: COMMISSION PAPER - SECY 80-257 FOR MAY 20, 1980.  
CURRENT STATUS: COMMISSION REQUESTED RESUBMITAL OF SECY 80-257 TO INCLUDE COMMENTS OF THE ENDOCRINE  
SOCIETY. SECY 80-257A CURRENTLY AT OELD FOR CONCURRENCE.  
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

III.A.2.1 AMEND 10 CFR 50 AND APPENDIX E (TO PART 50) (SD) SD,SP REVISED: 10/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
COMMISSION(TACS: 42429) RESPONSIBLE BRANCH/DIVISION: EPLB, EPPD CONTACT: FRANK PAGANO (X27846)  
OTHER OFFICE/INDIVIDUAL: NRR/STEVE RAMOS  
PURPOSE AND SCOPE: NEW RULE AND CRITERIA WILL REQUIRE 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 75 DAYS AFTER PUBLICATION WITHIN 60 DAYS AFTER EFFECTIVE DATE OF THIS AMENDMENT,  
EACH NUCLEAR POWER REACTOR LICENSEE SHALL SUBMIT TO NRC PLANS FOR COPING WITH EMERGENCIES THAT MEET STANDARDS  
IN SECTION 50.47 (B) AND THE REQUIREMENTS OF APPENDIX E, 10 CFR PART 50.  
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.  
COMMISSION ACTION: REVIEW AND APPROVE

III.A.3.4 EMERGENCY PREPAREDNESS - NUCLEAR DATA LINK (IE) IE,RES,ADM REVISED: 10/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
COMMISSION(TACS: 42148) RESPONSIBLE BRANCH/DIVISION: XOOS/IE CONTACT: BERNIE WEISS (X29575)  
OTHER OFFICE/INDIVIDUAL: RES/O. BASSETT; NRR/W. MINNERS; IE/M. HOWARD  
PURPOSE AND SCOPE: PROVIDE NRC THE CAPABILITY TO REMOTELY ACCESS FACILITY DATA AND DISPLAY THAT DATA AT THE  
NRC OPERATIONS CENTER.  
SCHEDULE: (ORIGINAL) SANDIA REPORT COMPLETED; COMMISSION BRIEFING. (CURRENT)  
ACCOMPLISHMENTS: COMMISSION PAPER SECY 80-326 ON ND L PRESENTED TO COMMISSION. REPORT TO CONGRESS (NUREG-0730)  
- 09/80.  
CURRENT STATUS: SYSTEM DEFINITION NEEDS FURTHER REFINEMENT. SPECIFICATIONS ARE BEING DEVELOPED TO OPEN  
CONTRACTOR SELECTION TO COMPETITIVE PROCESS. INTEGRATION OF ND L WITH OTHER LICENSEE EMERGENCY FAC-  
ILITIES DEFINED IN NUREG-0696. IMPLEMENTATION PLAN BEING DEVELOPED.  
ISSUES: COMMISSION APPROVAL OF A FINAL NRC CONCEPT REQUIRED SELECTION OF SYSTEM INTEGRATOR AND SUB-  
CONTRACTOR(S) NEEDED. LONG TERM FUNDING A NECESSITY.  
COMMISSION ACTION: REVIEW

III.D.3.2 HEALTH PHYSICS IMPROVEMENTS (SD)

SD

REVISED: 11/80

GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY -

COMMISSION(TACS: ) RESPONSIBLE BRANCH/DIVISION: OHSB

CONTACT: ROBERT ALEXANDER (X35975)

OTHER OFFICE/INDIVIDUAL: OHSB/N. DENNIS, W. COOL, S. MCGUIRE

PURPOSE AND SCOPE: A) ESTABLISH REGULATORY CERTIFICATION PROGRAM FOR PERSONNEL DOSIMETRY PROCESSORS. B) ESTABLISH REGULATORY CERTIFICATION PROGRAM FOR HEALTH PHYSICS SURVEY INSTRUMENTS. C) SPECIFY ACCEPTABLE CONDITIONS FOR USE OF AUDIBLE ALARM DOSIMETERS.

SCHEDULE: (ORIGINAL) (CURRENT) PUBLICATION OF PROPOSED RULE FOR COMMENTS 07/81;

AWARD OF CONTRACT TO CONDUCT PILOT STUDY OF STANDARD. 06/81; PUBLICATION OF REGULATORY GUIDE IN ACTIVE FORM 02/81.

ACCOMPLISHMENTS: PUBLICATION OF ADVANCE NOTICE OF RULEMAKING, MARCH 28, 1980. FIRST DRAFT OF STANDARD COMPLETED IN 10/80. PUBLICATION OF REGULATORY GUIDE OH804-4 FOR COMMENT, 08/79.

CURRENT STATUS: COMMISSION PAPER FOR PROPOSED RULE IN PREPARATION. PREPARING TO ISSUE RFP FOR A PILOT TEST OF NEW STANDARD. REVISION OF REGULATORY GUIDE IN PROGRESS FOR PUBLICATION IN ACTIVE FORM.

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, E.G., NIOSH, NAVLAP.

COMMISSION ACTION: REVIEW OF REG. GUIDE. COMMISSION AUTHORITY HAS NOT BEEN ESTABLISHED FOR PARTS OF THIS TASK.

IV.A.1 SEEK LEGISLATIVE AUTHORITY IN ENFORCEMENT PROCESS (OGC) OGC,ELD,IE REVISED: 11/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
COMMISSION(TACS: ) RESPONSIBLE BRANCH/DIVISION: OGC CONTACT: CARL STOIBER (X43224)  
OTHER OFFICE/INDIVIDUAL: NRR/D. COLLINS  
PURPOSE AND SCOPE: NRC IS TRYING TO RAISE CIVIL PENALTY FINE (ON LICENSEE) LIMITS TO \$100,000 PER VIOLATION  
WITH NO LIMIT ON THE NUMBER OF VIOLATIONS. NRC IS FURTHER 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 AUTHORIZATION.  
CURRENT STATUS: SECY-80-366 BEING REVIEWED BY COMMISSION.  
ISSUES: DECISION MUST BE MADE AS TO WHETHER OR NOT TO SEEK LEGISLATIVE AUTHORITY FOR ADDITIONAL  
FINE LEVYING CAPABILITIES UNDER SPECIFIC CONDITIONS.  
COMMISSION ACTION: REVIEW

IV.A.2 REVISE ENFORCEMENT POLICY (IE) IE REVISED: 11/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
COMMISSION(TACS: ) RESPONSIBLE BRANCH/DIVISION: X00S/IE CONTACT: DUDLEY THOMPSON (X28487)  
OTHER OFFICE/INDIVIDUAL: ELD/JAMES LIEBERMAN  
PURPOSE AND SCOPE: REVISE NRC ENFORCEMENT POLICY AND GUIDANCE FOR IMPOSITION OF CIVIL PENALTIES, ORDERS,  
AND OTHER SANCTIONS. CONSIDER PROBATIONARY STATUS, AND PUBLIC MEETINGS NEAR SITE. INFORM PUBLIC,  
REQUEST COMMENTS AND HOLD REGIONAL MEETINGS.  
SCHEDULE: (ORIGINAL) SECY-80-139A 08/80; SECOND COMMISSION BRIEFING 09/80. (CURRENT) FEDERAL REGISTER  
NOTICE; REVISE TO ACCOMMODATE COMMENTS; ISSUE AS APPENDIX C, PART 2.  
ACCOMPLISHMENTS: AT BRIEFING ON 9/4/80, COMMISSION APPROVED PUBLICATION FOR 90-DAY COMMENT PERIOD.  
APPROVAL FOR INTERIM USE OF NEW PROPOSED POLICY AS GUIDANCE. FEDERAL REGISTER NOTICE 10/7/80 (45FR66754)  
CURRENT STATUS: PUBLIC MEETINGS SCHEDULED FOR EARLY DECEMBER IN NRC REGIONAL CITIES. INVITATIONS AND  
COPIES OF FRN SENT TO POTENTIAL PARTICIPANTS. PRESS RELEASE ON MEETINGS ISSUED 10/28.  
ISSUES:  
COMMISSION ACTION: APPROVAL OF PUBLICATION.

IV.D.1 NRC STAFF TRAINING (ADM) ADM REVISED: 11/80  
YELLOW \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
COMMISSION(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: PETER GOLDMAN (X28259)  
OTHER OFFICE/INDIVIDUAL: ADM/L. COOPER; IE/J. LEDOUX  
PURPOSE AND SCOPE: IMPROVE AND EXPAND NRC TRAINING PROGRAM FOR THE TECHNICAL STAFF AND RESIDENT INSPECTORS;  
AND DEVELOP A TRAINEESHIP/FELLOWSHIP PROGRAM.  
SCHEDULE: (ORIGINAL) OBTAIN CONTRACTOR SURVEY ASSISTANCE 08/81; COMMISSION PAPER ON NRC TRAINING PROGRAM  
FORWARDED 06/80; INCREASE SIMULATOR TRAINING 09/80; PROVIDE MULTI-DISCIPLINARY EDUCATION AND TRAINING  
(CONTINUING). (CURRENT) OBTAIN CONTRACTOR SURVEY ASSISTANCE - ACTION CHANGED; COMMISSION PAPER ON NRC  
TRAINING PROGRAM (SEE STATUS) 07/80; INCREASE SIMULATOR TRAINING 1982; PROVIDE MULTI-DISCIPLINARY EDUCATION  
AND TRAINING (SEE ISSUES) CONTINUING.  
ACCOMPLISHMENTS: COMMISSION APPROVED (IN PART) SECY-80-331 9/25/80. NEW DISCIPLINARY TRAINING PROVIDED IN  
HUMAN FACTORS AND SYSTEMS SAFETY TO APPROXIMATELY 90 PROFESSIONALS. FURTHER TRAINING FUNDED.  
CURRENT STATUS: ORAU STRUCTURING ALTERNATIVE TRAINEESHIP/FELLOWSHIP PROGRAMS. FIRST INPUT EXPECTED 11/80.  
NRC TRAINING FUNDS AVAILABLE FOR VARIETY OF SAFETY AND SYSTEMS MANAGEMENT TRAINING; APPROXIMATELY 40+  
EMPLOYEES ENROLLED IN PROGRAMS. SIMULATOR TRAINING CONTINUING AT PREVIOUS LEVEL; REACTOR SYSTEMS  
TECHNOLOGY TRAINING INCREASED TO MEET HIGHER DEMAND. TECHNICAL TRAINING NEEDS REVIEW TO BE CONDUCTED  
IN-HOUSE BY MDTs WITH THE COOPERATION OF XOMA/IE.  
ISSUES: DUE TO REGULATORY REQUIREMENTS IMPOSED UPON NUCLEAR INDUSTRY, DEMANDS FOR SIMULATOR TRAINING  
INCREASED; NRC UNABLE TO INCREASE ITS USAGE.  
COMMISSION ACTION: REVIEW

IV.E.2 PLAN FOR EARLY RESOLUTION OF SAFETY ISSUES (NRR) NRR,SD,RES,AEOD,IE REVISED: 10/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
COMMISSION(TACS: 40042) RESPONSIBLE BRANCH/DIVISION: DSI/SPEB CONTACT: THOMAS COX (X28966)  
OTHER OFFICE/INDIVIDUAL:



PURPOSE AND SCOPE: 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) (1) DRAFT PLAN FOR NRR MANAGEMENT REVIEW 11/7/80; (2) RECOMMENDED PLAN FOR COMMISSION REVIEW 1/9/81; (3) FINAL PLAN THAT INCORPORATES COMMISSION COMMENTS 3/6/81.

ACCOMPLISHMENTS:

CURRENT STATUS: EFFORT JUST GETTING UNDERWAY.

ISSUES: NONE IDENTIFIED AT THIS TIME.

COMMISSION ACTION: REVIEW OF PLAN.

TMI ACTION PLAN TRACKING SYSTEM (APTS)

24 NOVEMBER 1980

COMPLETION DATE BY END OF FY81 (AS PER ORIGINAL SCHEDULE) ACTION ITEMS (RUN DATE: 12/03)

SUMMARY OF ACTION ITEMS:

CHAPTER I : 33 (OPERATIONAL SAFETY)  
CHAPTER II : 22 (SITING AND DESIGN)  
CHAPTER III : 18 (EMERGENCY PREPAREDNESS AND RADIATION EFFECTS)  
CHAPTER IV : 6 (PRACTICES AND PROCEDURES)  
TOTAL 79

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

COMPLETE (IMPLEMENTATION) : 13 (11,2,0,0)  
PRIORITY '1' ITEMS : 10 (8,2,0,0)  
REQMENT (REQUIREMENT ISSUED, IMPLEMENTATION  
NOT COMPLETE) : 1 (0,1,0,0)  
PRIORITY '1' ITEMS : 1  
INACTIVE : 3 (2,1,0,0)  
PRIORITY '1' ITEMS : 0  
ACTIVE : 62 (20,18,18,6)  
PRIORITY '1' ITEMS : 22 (9,9,4,0)

\*RED AND YELLOW ITEMS : 14 (2,7,5,0)  
PRIORITY '1' ITEMS : 4 (1,3,0,0)  
\*COMMISSION ACTION ITEMS : 14 (6,2,3,3)  
PRIORITY '1' ITEMS : 2 (2,0,0,0)

COMMENTS:

THESE ITEMS WERE TO BE COMPLETED BY THE END OF FISCAL 1981 ACCORDING TO THE ORIGINAL SCHEDULE SUBMITTED BY THE ACTION PLAN....SOME ITEMS CONTAINED HEREIN MAY BE MOVED AFTER THE NEXT UPDATE CYCLE.

COMMENTS OR QUESTIONS REGARDING THIS MATERIAL SHOULD BE DIRECTED TO PAUL VINEYARD, MPA (X27533, MNBB-12711).

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

I.A.1.1  
YELLOW

OPERATIONAL SAFETY - SHIFT TECHNICAL ADVISOR (NRR) NRR,IE REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: 42055) RESPONSIBLE BRANCH/DIVISION: LQB, DHFS CONTACT: LAWRENCE CROCKER (X29437)  
 OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
 PURPOSE AND SCOPE: 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  
 UNDERWAY 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 RE TRAINING  
 REQUIREMENTS TO ALL LICENSES ISSUED 09/05/80.  
 CURRENT STATUS: SAME AS ACCOMPLISHMENTS.  
 ISSUES: INPO STA REQUIREMENTS ARE ACCEPTABLE FOR INTERIM GUIDANCE. STAFF NOT YET IN POSITION TO FULLY  
 ENDORSE SET OF MINIMUM REQUIREMENTS. MORE RIGOROUS INPO GUIDANCE CANNOT BE MET BY 1/1/81.

I.A.1.2  
COMPLETE

OPERATIONAL SAFETY - SHIFT SUPERVISOR ADMIN. DUTIES (NRR) NRR REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: 42056) RESPONSIBLE BRANCH/DIVISION: LQB, DHFS CONTACT: FRED ALLENSPACH (X27741)  
 OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
 PURPOSE AND SCOPE: 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 NOT BE REVIEWED TO ASSURE CONFORMANCE.  
 ACCOMPLISHMENTS: LICENSEES OF OPERATING REACTORS COMPLETED THIS TASK BY 01/80. APPLICANTS FOR OL WILL  
 COMPLETE BY FUEL LOADING.  
 CURRENT STATUS: SAME AS CURRENT AND ACCOMPLISHMENTS.  
 ISSUES: NONE

I.A.2.1  
COMPLETE

IMMEDIATE UPGRADING OF OPERATOR AND SENIOR  
 OPERATOR TRAINING AND QUALIFICATIONS (NRR) NRR,ADM,IE REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: PAUL COLLINS (X27486)  
 OTHER OFFICE/INDIVIDUAL: NONE  
 PURPOSE AND SCOPE: 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: NONE

I.A.2.2  
GREEN

TRAINING AND QUALIFICATION REQUIREMENTS  
 FOR OPERATIONS PERSONNEL (NRR) NRR,IE REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
 (TACS: 42626) RESPONSIBLE BRANCH/DIVISION: LQB/HFS CONTACT: ROBERT BENEDICT (X27317)  
 OTHER OFFICE/INDIVIDUAL: NRR/E. PEDERSEN, J. MCMILLEN  
 PURPOSE AND SCOPE: DEVELOP GUIDANCE FOR QUALIFICATIONS AND TRAINING REQUIREMENTS FOR ALL OPERATIONS  
 PERSONNEL, INCLUDING MAINTENANCE AND TECHNICAL PERSONNEL.  
 SCHEDULE: (ORIGINAL) ISSUE REQUIREMENTS - 10/80. (CURRENT) ISSUE GUIDANCE 11/80.  
 ACCOMPLISHMENTS: PRELIMINARY INTERNAL DRAFT GUIDANCE FOR MAINTENANCE PERSONNEL 9/80.  
 CURRENT STATUS: INTERNAL REVIEW OF DRAFT GUIDANCE FOR MAINTENANCE PERSONNEL IS UNDER WAY.  
 ISSUES: A PROGRAM FOR DETERMINING THE REQUIREMENTS FOR OTHER UNLICENSED PERSONNEL IS TO BE DEVELOPED.

- I.A.2.6(1) LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (SD) SD,NRR,IE,ADM REVISED: 11/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 GREEN (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: STEVEN RICHARDSON (X35913)  
 OTHER OFFICE/INDIVIDUAL: NRR/P. COLLINS; IE/S. BRYAN  
 PURPOSE AND SCOPE: 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) ISSUE REG GUIDE 1.8 FOR PUBLIC COMMENT 09/80, ISSUE AN EFFECTIVE REG GUIDE 02/82.  
 ACCOMPLISHMENTS:  
 CURRENT STATUS: DRAFT GUIDE REVISION ISSUED 10/02/80.  
 ISSUES:
- I.A.2.6(3) LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (SD) SD,NRR,IE,ADM REVISED: 11/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 GREEN (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: STEVEN RICHARDSON (X35913)  
 COMMISSION OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: REVISE 10 CFR 55 TO INCLUDE MANDATORY SIMULATOR TRAINING, MANDATORY OPERATING TESTS AT  
 SIMULATORS, AND NRC ADMINISTRATION OF REQUALIFICATION EXAMS.  
 SCHEDULE: (ORIGINAL) ISSUE PROPOSED RULE FOR COMMENT 10/80; ISSUE EFFECTIVE FUEL 09/81. (CURRENT) SAME AS ORIGINAL.  
 ACCOMPLISHMENTS:  
 CURRENT STATUS: COMMISSION PAPER SENT TO EDO 10/27/80.  
 ISSUES:  
 COMMISSION ACTION: REVIE.' OPERATOR LICENSING GUIDELINES AND ESTABLISH APPROPRIATE CRITERIA.
- I.A.2.6(4) LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (SD) SD,NRR,IE,ADM REVISED: 10/80  
 GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 COMMISSION (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: JOE MCMILLEN (X27476)  
 OTHER OFFICE/INDIVIDUAL: IE/S. BRYAN  
 PURPOSE AND SCOPE: DEVELOP PAPER FOR COMMISSION REVIEW REGARDING WORKSHOPS FOR LICENSED PERSONNEL.  
 SCHEDULE: (ORIGINAL) PROVIDE PAPER FOR COMMISSION ACTION 01/81. (CURRENT) ON SCHEDULE WILL START DRAFT  
 SEPTEMBER 2, 1980.  
 ACCOMPLISHMENTS: NONE TO DATE.  
 CURRENT STATUS: ON SCHEDULE.  
 ISSUES: NONE
- I.A.3.1 REVISE SCOPE AND CRITERIA FOR LICENSING EXAMS (NRR) NRR REVISED: 10/80  
 COMPLETE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB, HFS CONTACT: JOE MCMILLEN (X27476)  
 OTHER OFFICE/INDIVIDUAL: NONE  
 PURPOSE AND SCOPE: INCREASE THE PASSING GRADE, ADD NEW CATEGORIES TO THE EXAMINATIONS TO ADDRESS  
 HEAT TRANSFER THERMODYNAMICS AND FLUID FLOW.  
 SCHEDULE: (ORIGINAL) IMPLEMENT 05/80. (CURRENT) IMPLEMENT 05/80.  
 ACCOMPLISHMENTS: ITEM COMPLETE.  
 CURRENT STATUS: NEW SCOPE AND CRITERIA IN EFFECT.  
 ISSUES: NONE



I.A.4.1 TRAINING SIMULATOR IMPROVEMENTS - INITIAL (NRR) NRR,ADM REVISED: 11/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: 42453) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: JOE MCMILLEN (X27476)  
OTHER OFFICE/INDIVIDUAL: RES/W. FARMER  
PURPOSE AND SCOPE: 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 SCHEDULED COMPLETION DATED AUGUST 29, 1980. NRR ISSUE REQUIREMENTS 01/81.  
ACCOMPLISHMENTS: FINAL REPORT NUREG-CR-1482 ISSUED 06/80.  
CURRENT STATUS: REVIEWING STATUS REPORT AND AWAITING COMMENTS  
ISSUES: ONE MONTH 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. THIS ASPECT OF THE TASK IS TO BE COMPLETED 1/81.

I.A.4.3 FEASIBILITY STUDY FOR PROCUREMENT OF TRAINING SIMULATOR (RES) RES REVISED: 11/80  
COMMISSION \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: DRSR CONTACT: STANISLAV FABIC (X74275)  
OTHER OFFICE/INDIVIDUAL: SD/E. MERSCHOFF; RES/W. FARMER  
PURPOSE AND SCOPE: 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) STUDY PROCEDURES FOR VALIDATING SIMULATOR FIDELITY 09/80; INTERIM REPORT DUE 01/81;  
PUBLISHED REPORT DISTRIBUTED 06/81. (CURRENT) STUDY REVIEWED WITH OSD AND NRR 09/80.  
ACCOMPLISHMENTS: STUDY INITIATED.  
CURRENT STATUS: WORK ON THIS ITEM IS BEING CARRIED OUT UNDER RES SELF-ENDORSED PROJECT RES-80-20,  
"IMPROVEMENT OF EXISTING SIMULATORS," 11/80.  
ISSUES: PROGRAMMATIC VIEWS OF ADM RICKOVER ON USE OF TRAINING SIMULATORS HAVE BEEN ADDED AS A  
SUPPLEMENTARY TASK.

I.A.4.4 FEASIBILITY STUDY TO EVALUATE POTENTIAL VALUE OF NRC ENGINEERING COMPUTER (RES) RES REVISED: 11/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
(SEE I.A.4.3) (TACS: ) RESPONSIBLE BRANCH/DIVISION: DRSR CONTACT: STANISLAV FABIC (X74275)  
COMMISSION OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:  
SCHEDULE: (ORIGINAL)  
ACCOMPLISHMENTS:  
CURRENT STATUS: WORK UNDER THIS ITEM IS BEING CARRIED OUT UNDER RES SELF-ENDORSED PROJECT  
RES 80-20, "IMPROVEMENT OF EXISTING SIMULATORS," 11/80.  
ISSUES:

I.B.1.2 MANAGEMENT FOR OPERATIONS - EVALUATION FOR NTOL APPLICANTS (IE) NRR, IE REVISED: 10/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: 42060) RESPONSIBLE BRANCH/DIVISION: ROI/IE CONTACT: SAMUEL BRYAN (X28019)  
OTHER OFFICE/INDIVIDUAL: IE/R. H. WESSMAN; NRR/D. G. VASSALLO, L. CROCKER  
PURPOSE AND SCOPE: THE NRC WILL EVALUATE ORGANIZATION AND MANAGEMENT CAPABILITIES OF NTOL APPLICANTS  
PRECEDING LICENSE ISSUANCE. NRR WILL PROVIDE DRAFT CRITERIA TO BE USED BY AN INTEROFFICE REVIEW  
TEAM AT EACH NTOL SITE. THE FINDINGS OF THE TEAM WILL BE AN INPUT INTO THE SER FOR THE NTOL FACILITY.  
SCHEDULE: (ORIGINAL) COMMENCE EVALUATION OF NTOLS CONSISTENT WITH LICENSING SCHEDULE - 01/80; NRR PROVIDE  
DRAFT CRITERIA FOR EVALUATIONS - 07/80. (CURRENT) EXTEND EVALUATION PROGRAM BEYOND FIRST 6 NTOLS.  
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: EVALUATIONS COMPLETED AND SER INPUT WRITTEN FOR 9 FACILITIES. OTHER APPLICANTS FOR  
LICENSE WILL BE EVALUATED WHEN READY ON A SCHEDULE CONSISTENT WITH THEIR READINESS FOR LICENSING.  
DRAFT CRITERIA BEING FINALIZED FOR ISSUE AS NUREG 0731, TO BE ISSUED FOR COMMENT IN EARLY OCTOBER.  
ISSUES: NONE

I.B.1.3 MANAGEMENT FOR OPERATIONS - LOSS OF SAFETY FUNCTION (SD) SD,ADM REVISED: 10/80  
INACTIVE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(SEE ) RESPONSIBLE BRANCH/DIVISION: SCSB/DES CONTACT: GUNTER ARNDT (X35997)  
IV.A.2) OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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.  
ACCOMPLISHMENTS:  
CURRENT STATUS: THIS ITEM HAS BEEN TERMINATED IN FAVOR OF THE ENFORCEMENT POLICY ITEM. (IV.A.2)  
ISSUES:

I.B.2.1 REVISION OF IE INSPECTION PROGRAM (IE) IE REVISED: 10/80  
COMPLETE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ROI/IE CONTACT: SAMUEL BRYAN (X28019)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: THE NRC WILL REVISE THE INSPECTION PROGRAM TO PROVIDE MORE DIRECT OBSERVATION AND  
INDEPENDENT VERIFICATION OF LICENSEE ACTIVITIES.  
SCHEDULE (ORIGINAL) PROGRAM REVISION STARTED - 12/79; COMMENTS REQUESTED ON PROPOSED PROGRAM REVISION 03/80;  
COMMENTS AND FINAL PROGRAM PREPARED 04/80. (CURRENT) N/A  
ACCOMPLISHMENTS: PROGRAM REVISION WAS STARTED IN NOVEMBER 1979. THE PROGRAM WAS ISSUED FOR USE IN THE FIELD  
BY RESIDENT INSPECTORS IN APRIL 1980.  
CURRENT STATUS: THE INSPECTION PROGRAM FOR RESIDENT INSPECTORS HAS BEEN COMBINED WITH THE ROUTINE INSPECTION  
PROGRAM TO PRODUCE A CONSOLIDATED INSPECTION PROGRAM FOR OPERATING REACTORS. MANAGEMENT RESPONSIBILITY  
FOR IMPLEMENTING THIS INSPECTION PROGRAM HAS BEEN ASSIGNED TO THE REGIONS. ALL PLANNED MAJOR PROGRAM  
REVISIONS FOR THE REACTOR OPERATIONS INSPECTION PROGRAM HAVE BEEN COMPLETED.  
ISSUES: NONE

I.B.2.2  
GREEN

INSPECTIONS AT OPERATING REACTORS - RESIDENT INSPECTOR (IE) IE,ADM REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: D/IE CONTACT: JAMES SNIEZEK (X28098)  
OTHER OFFICE/INDIVIDUAL: IE/E. GREHER; REGIONAL DIRECTORS; REGIONAL RONS BRANCH CHIEFS  
PURPOSE AND SCOPE: ESTABLISH A RESIDENT OFFICE AT EACH SITE WHERE THERE IS AN OPERATING REACTOR OR WHERE  
THERE IS A REACTOR UNDERGOING PREOPERATIONAL TESTING. RECRUIT, TRAIN AND ASSIGN ONE OR MORE RESIDENT  
INSPECTORS TO EACH OF THESE RESIDENT OFFICES, IN ACCORDANCE WITH COMMISSION DIRECTIVES ON MANNING LEVELS.  
SCHEDULE: (ORIGINAL) START STAFFING ALL OPERATIONAL SITES WITH 1 RESIDENT INSPECTORS - 09/80. EXPAND STAFFING  
FOR ALL SITES TO MINIMUM OF 2 RESIDENTS/SITE - 09/80. (CURRENT) SELECTIVELY REDUCE STAFFING AT TRIPLE  
UNIT AND SOME SINGLE UNIT SITES - 09/82.  
ACCOMPLISHMENTS: ALL OPERATING SITES MANNED WITH SENIOR RESIDENT OR EQUIVALENT - 06/80.  
CURRENT STATUS: AS OF 09/30/80, 58 OUT OF 59 OPERATING SITES WERE MANNED WITH A TOTAL OF 107 RESIDENTS AND  
SENIOR RESIDENTS AND 6 EQUIVALENT SENIOR RESIDENTS. ANOTHER 6 RESIDENTS HAD BEEN SELECTED BUT WERE NOT  
YET REASSIGNED. THERE WERE 10 POSITIONS STILL UNFILLED.  
ISSUES: COMPLETING TRAINING PROGRAM FOR NEWLY-HIRED RESIDENTS. RELOCATING RESIDENTS AND SENIOR RESIDENTS  
DURING A PERIOD OF HIGH COST MORTGAGES. MAINTAIN ADEQUATE COMMUNICATIONS BETWEEN REGIONAL OFFICES,  
RESIDENT OFFICES AND NRC HEADQUARTERS TO FORESTALL ISOLATION AND "CAPTURE".

I.B.2.3  
GREEN

INSPECTIONS AT OPERATING REACTORS - REGIONAL IE REVISED: 10/80  
EVALUATIONS (IE)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: ROI/IE CONTACT: NORMAN MOSELEY (X28160)  
OTHER OFFICE/INDIVIDUAL: IE/S. E. BRYAN  
PURPOSE AND SCOPE: 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 - SCHEDULES AND RESOURCES TO BE DEVELOPED IN ROUTINE BUDGET PROCESS.  
(CURRENT) ISSUE PROCEDURES FOR CONDUCTING EVALUATIONS - 04/80; COMPLETE EVALUATIONS FOR ALL OPERATING  
REACTORS - 10/80.  
ACCOMPLISHMENTS: EVALUATIONS FOR TEN (10) PLANTS RECEIVED BY IE:HQ AS OF 9/22/80.  
CURRENT STATUS: EVALUATIONS ARE UNDERWAY IN ALL REGIONS. ALL OPERATING PLANTS EXPECTED TO BE COMPLETE BY  
10/80.  
ISSUES: NONE

I.B.2.4  
GREEN

OVERVIEW OF LICENSEE PERFORMANCE (IE) IE REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: ROI/IE CONTACT: NORMAN MOSELEY (X28160)  
OTHER OFFICE/INDIVIDUAL: DROI, IE/S. E. BRYAN  
PURPOSE AND SCOPE: 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 - SCHEDULES AND RESOURCES TO BE DEVELOPED IN ROUTINE BUDGET PROCESS.  
(CURRENT) DEVELOP CHARTER, APPOINT BOARD MEMBERS - 08/80. COMPLETE FIRST REVIEW OF OPERATING PLANTS.  
ACCOMPLISHMENTS: CHARTER ISSUED AND BOARD MEMBERS APPOINTED 08/25/80.  
CURRENT STATUS: STAFFING OF BOARD ASSISTANTS IS UNDERWAY. FIRST BOARD MEETING SCHEDULED IN NEAR FUTURE.  
ISSUES: NONE

I.C.1  
GREEN

SHORT-TERM ACCIDENT ANALYSIS AND PROCEDURES REVISION (NRR) NRR,ADM,IE REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: PTRB/DHFS CONTACT: DON BECKHAM (X27741)  
OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
PURPOSE AND SCOPE: 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 \* 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). REVIEWS UNDERWAY ON OTHER VENDORS.  
CURRENT STATUS: SHORT TERM ITEMS, SBLOCA AND ICC, COMPLETED BY VENDORS. REVIEWS BY STAFF PROGRESSING TO SUPPORT NTOL LICENSING SCHEDULES. CLARIFICATION LETTER ON SCOPE AND SCHEDULE OF I.C.1(3) BEING CIRCULATED FOR CONCURRENCE.  
ISSUES: REANALYSIS OF TRANSIENTS AND ACCIDENTS REQUIRED SIGNIFICANTLY MORE EFFORT THAN ORIGINALLY ESTIMATED. SCHEDULE REVISED TO REFLECT THE ADDITIONAL EFFORT.

I.C.2  
COMPLETE

SHIFT AND RELIEF TURNOVER PROCEDURES (NRR) NRR,IE REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS CONTACT: FRED ALLENSPACH (X27741)  
OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
PURPOSE AND SCOPE: 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: COMPLETED FOR OPERATING REACTORS.  
CURRENT STATUS: APPLICANTS FOR NTOL WILL BE COMPLETED BY FUEL LOADING.  
ISSUES: NONE

I.C.3  
COMPLETE

SHIFT SUPERVISOR RESPONSIBILITIES (NRR) NRR,IE REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS CONTACT: FRED ALLENSPACH (X27741)  
OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
PURPOSE AND SCOPE: 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: COMPLETED FOR OPERATING REACTORS.  
CURRENT STATUS: APPLICANTS FOR NTOL WILL BE COMPLETED BY FUEL LOADING.  
ISSUES: NONE



I.C.4 OPERATING PROCEDURES - CONTROL ROOM ACCESS (NRR) NRR,IE REVISED: 10/80  
COMPLETE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1 CONTACT: FRED ALLENSPACH (X27741)  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS  
OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
PURPOSE AND SCOPE: 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: COMPLETED FOR OPERATING REACTORS.  
CURRENT STATUS: APPLICANTS FOR NTOL WILL BE COMPLETED BY FUEL LOADING.  
ISSUES: NONE

I.C.5 PROCEDURES FOR FEEDBACK OF OPERATING EXPERIENCE (NRR) NRR,IE REVISED: 10/80  
COMPLETE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1 CONTACT: FRED ALLENSPACH (X27741)  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS  
OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
PURPOSE AND SCOPE: 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. TASK COMPLETED. APPLICATIONS WILL NOW BE REVIEWED TO ASSURE CONFORMANCE.  
ACCOMPLISHMENTS: HAS BEEN COMPLETED FOR UTILITIES WITH OPERATING REACTORS.  
CURRENT STATUS: APPLICANTS FOR NTOL WILL BE COMPLETED BY FUEL LOADING.  
ISSUES: NONE

I.C.6 PROCEDURES FOR VERIFICATION OF CORRECT PERFORMANCE NRR,IE REVISED: 10/80  
GREEN OF OPERATING ACTIVITIES (NRR)  
COMMISSION \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2 CONTACT: DON BECKMAN (X27741)  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: PTRB/DHFS  
OTHER OFFICE/INDIVIDUAL: SD/T. SCARBROUGH; IE/P. MCKEE  
PURPOSE AND SCOPE: 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 REVISION TO BE  
COMPLETED BY 1/1/81.  
ACCOMPLISHMENTS: CLARIFICATION OF REQUIREMENT PREPARED BY OSD, NRR, IE REPRESENTATIVES.  
CURRENT STATUS: CLARIFICATION, INCLUDING ACCEPTABLE METHOD OF VERIFICATION, ASSEMBLED BY DOL AND ISSUED  
FOR COMMENT ON 09/05/80. COMMENT RESOLUTION COMPLETED. TO BE INCLUDED IN PACKAGE BEING PREPARED  
FOR COMMISSION ACTION.  
ISSUES: NONE  
COMMISSION ACTION: REVIEW

I.C.7  
GREEN

NSSS VENDOR REVIEW OF OPERATING PROCEDURES (NRR)

NRR,IE

REVISED: 09/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: PTRB/DHFS CONTACT: DON BECKHAM (X27741)

OTHER OFFICE/INDIVIDUAL: IE/M. KIDD

PURPOSE AND SCOPE: 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 (07/80), SEQUOYAH (07/80) AND SALEM (08/80).

CURRENT STATUS: PTRB EVALUATING USEFULNESS OF VENDOR REVIEW. WILL ADDRESS VENDOR REVIEW IN GUIDANCE DEVELOPED AS INDICATED IN ITEM I.C.9.

ISSUES: NONE

I.C.8  
GREEN

PILOT MONITORING OF SELECTED EMERGENCY PROCEDURES FOR NTOL APPLICANTS (NRR)

NRR,ADM,IE

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: PTRB/DHFS CONTACT: DON BECKHAM (X27741)

OTHER OFFICE/INDIVIDUAL: IE/D. WESSMAN, RESIDENT INSPECTORS; NRR/T. SPEIS

PURPOSE AND SCOPE: 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 AS ORIGINAL.

ACCOMPLISHMENTS: COMPLETED REVIEWS FOR SEQUOYAH (07/80), NORTH ANNA (07/80), AND SALEM (08/80). REVIEWS IN PROGRESS FOR FARLEY, MCGUIRE, DIABLO CANYON, AND LASALLE.

CURRENT STATUS: EMERGENCY PROCEDURE GUIDELINES FOR WESTINGHOUSE PLANTS FOR SELECTED ACCIDENTS AND TRANSIENTS AND GE SYMPTOM ORIENTED GUIDELINES HAVE BEEN REVIEWED TO SUPPORT EMERGENCY PROCEDURE REVIEW. B&W AND GE GUIDELINES UNDER REVIEW. PLANT SPECIFIC REVIEWS PROCEEDING CONSISTENT WITH LICENSING SCHEDULE.

ISSUES: AVAILABILITY OF PLANT SPECIFIC EMERGENCY PROCEDURES LIMITS WHEN REVIEWS CAN BEGIN.

I.D.5(1)  
YELLOW

CONTROL ROOM DESIGN - IMPROVED INSTRUMENTATION RESEARCH (RES)  
OPERATOR - PROCESS COMMUNICATION

RES,ADM

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: OSRB/RSR CONTACT: RAY DI SALVO (X74260)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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 SYS. RECOMMENDATIONS DEVELOPED 10/80. INITIAL ALARM SYS RECOMMENDATION DEVELOPED 02/81.

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, 1080. A REVIEW OF ALARM UTILIZATION IN TEST REACTORS WAS COMPLETED 06/80.

CURRENT STATUS: ALTERNATIVE METHODS FOR PROCESSING AND DISPLAYING INFORMATION THROUGH CRT TERMINALS ARE BEING EVALUATED DURING LOFT EXPERIMENTS. OPERATOR PREFERENCES ARE BEING NOTED. A REVIEW OF ALARM UTILIZATION IN TWO COMMERCIAL OPERATING REACTORS HAS BEEN PERFORMED AND REPORTS ARE BEING PREPARED. NRR AND SD ARE REVIEWING AN RES REQUEST FOR ENDORSEMENT OF THESE EFFORTS.

ISSUES: AS OF 10/80, NRR AND SD HAVE YET TO PROVIDE A WRITTEN REQUEST FOR OR ENDORSEMENT OF THIS RESEARCH IN SPITE OF ITS INCORPORATION INTO THE ACTION PLAN. RES WILL BE FORCED TO SIGNIFICANTLY CURTAIL WORK UNLESS ENDORSEMENT IS RECEIVED. FOLLOW-ON EFFORTS RELATED TO ALARM UTILIZATION AND PRIORITIZATION AWAIT A CLEARER ARTICULATION OF NEEDS BY USER OFFICES.

I.D.5(2)  
YELLOW

CONTROL ROOM DESIGN - IMPROVED INSTRUMENTATION RESEARCH (RES)

RES,ADM

REVISED: 11/80

PLANT STATUS AND POST ACCIDENT MONITORING

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: SRB/RSR CONTACT: RAY DI SALVO (X74260)

OTHER OFFICE/INDIVIDUAL: RES/OSRB/H. SCOTT

PURPOSE AND SCOPE: 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. INSTR AND ESF STATUS MONITORING NEEDS ARE RECOMMENDED.

SCHEDULE: (ORIGINAL) STATUS MONITORING REQUIREMENTS CONFIRMED 12/80. (CURRENT) PWR INSTRUMENTATION REQ'S. CONFIRMED 08/80 (COMPLETE). ESF STATUS MONITORING REQUIREMENTS CONFIRMED 02/81/ BWR INSTRUMENTATION CONFIRMED 04/81.

ACCOMPLISHMENTS: PWR INSTRUMENTATION REQUIREMENTS WERE CONFIRMED AND RESULTS USED AS INPUT TO REVISION OF REG. GUIDE 1.97. RESULTS WERE TRANSMITTED TO NRR & SD VIA RESEARCH INFO LETTER #98, 08/80.

CURRENT STATUS: PRELIMINARY WORK ON ESF STATUS MONITORING REQUIREMENTS IS COMPLETE AND A DRAFT REPORT IS BEING PREPARED. RESULTS SHOULD ASSIST NRR AND SD IN ADDRESSING REVISION AND IMPLEMENTATION OF REG. GUIDE 1.47. BWR ACCIDENT SEQUENCES ARE BEING ANALYZED FOR INSTRUMENTATION REQUIREMENTS. EXTENSION OF THE PROGRAM TO DEVELOP DIANOSTIC ALGORITHMS FOR ADVANCED DISTURBANCE ANALYSIS AND SURVEILLANCE SYSTEMS IS BEING CONSIDERED. NRR AND SD ARE REVIEWING AN RES REQUEST FOR ENDORSEMENT OF THIS PROGRAM.

ISSUES: AS OF 10/80, NRR AND SD HAVE YET TO PROVIDE A WRITTEN REQUEST FOR OR ENDORSEMENT OF THIS RESEARCH IN SPITE OF ITS INCORPORATION IN ACTION PLAN AND UTILIZATION OF RESULTS ALREADY GENERATED. RES WILL BE FORCED TO HALT WORK UNLESS ENDORSEMENT IS RECEIVED.

I.D.6  
COMPLETE

CONTROL ROOM DESIGN - TECHNOLOGY TRANSFER CONFERENCE (RES)

RES,ADM

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3

(TACS: 42326) RESPONSIBLE BRANCH/DIVISION: RES CONTACT: LOUIS RIB (X74320)

OTHER OFFICE/INDIVIDUAL: NRR/L. BELTRACHI, R. DISALVO, S. HANAVER; RES/T.MURLEY

PURPOSE AND SCOPE: 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 STOERING 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, SMAIT INSTRUMENTATION; OPERATIONAL AIDS-COMMAND CONTROL & COMMUNICATIONS; EDUCATION, TRAINING & SIMULATORS; & SIMULATION & ANALYSIS.

CURRENT STATUS: FOLLOWUP IS CONTINUING BASED ON PERSONAL CONTACTS MADE AT THE CONFERENCE AND AT LEAST ONE FOLLOWUP SPECIAL CONFERENCE IS PLANNED FOR THE FUTURE, NAMELY RISK ASSESSMENT.

ISSUES:

I.E.1  
COMPLETE

ESTABLISH OFFICE FOR ANALYSIS AND EVALUATION OF  
OPERATIONAL DATA (AEOD)

AEOD,ADM

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY8! \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: AEOD

CONTACT: JACK HELTEMES (X29560)

OTHER OFFICE/INDIVIDUAL: AEOD/F. J. HEBDUN

PURPOSE AND SCOPE: 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. (CURRENT) SAME

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

COMMISSION ACTION: REVIEW

I.E.2  
COMPLETE

PROGRAM OFFICE - OPERATIONAL DATA EVALUATION (AEOD)

NRR,MPA,RES,NMSS,ADM

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY8! \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: AEOD

CONTACT: JACK HELTEMES (X29560)

OTHER OFFICE/INDIVIDUAL: NRR/E. ADENSAM; MPA/R. HARTFIELD; RES/R. BERNERO; NMSS/T. CARTER

PURPOSE AND SCOPE: 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;  
(CURRENT) MPA OFFICE STAFFING - NO DATE; NRR OFFICE STAFFING - 09/80.

ACCOMPLISHMENTS:

CURRENT STATUS: THE OPERATING EXPERIENCE EVALUATION BRANCH (OEEB) HAS BEEN ESTABLISHED IN NRR/DST TO  
PROVIDE A FOCAL POINT FOR REVIEW OF LICENSED FACILITY OPERATIONAL EXPERIENCES AND FEEDBACK OF SAFETY  
RELATED INFORMATION. OEEB IS DEVELOPING FORMAL STATEMENTS OF THEIR FUNCTIONS AND INTERRELATIONSHIPS  
WITH OTHER ORGANIZATIONS. SYSTEMATIC REVIEW PLANS ARE BEING DEVELOPED TO REVIEW AND ASSESS LICENSEE  
EVENT REPORTS (LER'S) AND COORDINATION OF PERTINENT FINDINGS WITH THE VARIOUS OFFICES INVOLVED IN THE  
INTEGRATED PROGRAM ON OPERATING EXPERIENCE ASSESSMENTS.

ISSUES:



I.E.3  
GREEN

OPERATIONAL SAFETY DATA ANALYSIS (RES) RES REVISED: 11/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: SRR/RES CONTACT: WILLIAM VESELY (X74505)  
OTHER OFFICE/INDIVIDUAL: RES/R. DENNIG, J. JOHNSON  
PURPOSE AND SCOPE: TO STRENGTHEN WORK ON THE ANALYSIS OF EQUIPMENT FAILURE DATA, AND TO DEVELOP  
ERROR DATA ANALYSIS FOR NUCLEAR POWER PLANT OPERATIONS.  
SCHEDULE: (ORIGINAL) (CURRENT)  
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 PIPING FAILURES INCORPORATING EFFECTS OF TIME DEPENDENCE AND TESTING.  
ISSUES:

I.E.4  
GREEN

COORDINATION OF LICENSEE, INDUSTRY, AND REGULATORY PROGRAMS (AEOD) AEOD REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: DIRECTOR CONTACT: CARLYLE MICHELSON (X29560)  
OTHER OFFICE/INDIVIDUAL: NRR/E. ADENSAM; AEOD/C.J. HELTEMES  
PURPOSE AND SCOPE: INDUSTRY HAS ESTABLISHED A PROGRAM TO SYSTEMATICALLY REVIEW AVAILABLE EVENT REPORTS AND  
OPERATING DATA. THESE WILL BE REVIEWED AND ANALYZED BY THE INDUSTRY 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 PROVIDE THE CAPABILITY TO EVALUATE THE OPERATING HISTORY OF  
THEIR PLANT(S) AND THOSE OF SIMILAR DESIGN. LICENSEES WILL BE REQUIRED TO INSTITUTE ADMINISTRATIVE PROCEDURES  
TO DO THIS.  
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.  
(CURRENT) COMPLETE MEMORANDA OF UNDERSTANDING WITH INPO AND NSAC.  
ACCOMPLISHMENTS: EXTENSIVE DISCUSSIONS HAVE BEEN HELD WITH INPO AND NSAC ON AREAS OF MUTUAL INTEREST.  
CURRENT STATUS: WORK CONTINUES ON DEFINING SPECIFIC AREAS OF COOPERATION BETWEEN NRC AND INPO/NSAC.  
SPECIFIC AREAS INCLUDE OPERATIONAL DATA COLLECTION, STORAGE, AND RETRIEVAL; AND EVALUATION OF THE  
RESULTS OF ANALYSES.  
ISSUES: NONE

I.E.5  
INACTIVE (SEE I.E.6)

NUCLEAR PLANT RELIABILITY DATA SYSTEM (SD) SD REVISED: 11/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: ERIC WEISS (X35913)  
OTHER OFFICE/INDIVIDUAL: AEOD/F. HEBDON; SD/M. MEDEIRJS  
COMMISSION PURPOSE AND SCOPE: 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  
ACCOMPLISHMENTS: SAME AS ORIGINAL.  
CURRENT STATUS: NOW INCLUDED IN TASK I.E.6  
ISSUES:

I.E.7  
GREEN

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

IP,ADM

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: IP

CONTACT: HOWARD FAULKNER (X27788)

OTHER OFFICE/INDIVIDUAL: LLL/W. WADE; NRR/E. ADENSAM, R. COLMAR

PURPOSE AND SCOPE: 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) COMPLETE REVIEW OF LITERATURE- JAN. 1980; CONDUCT VISITS OF REACTOR SITES OF SIGNIFICANT EVENTS - MAY 1980; COMPLETE REPORT AND RECOMMENDATION - AUG. 1980. (CURRENT) SAME AS ACCOMPLISHMENTS.

ACCOMPLISHMENTS: DEFINE "SIGNIFICANCE" SCREENING TECHNIQUES, 05/80; REVIEW ALL AVAILABLE FOREIGN DATA AND DETERMINE "SIGNIFICANT": EVENTS 06/80, WRITE A SAMPLE REPORT OF A SELECTED FOREIGN EVENT 07/80.

CURRENT STATUS: COLLECTION OF DETAILED DATA ON SELECTED FOREIGN REACTOR EVENTS DUE TO PROPRIETARY NATURE OF INFORMATION - COORDINATION WITH IP AND ORNL/NSIC.

ISSUES:

I.E.8  
GREEN

HUMAN ERROR RATE ANALYSIS (RES)

RES

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: SRR/RES

CONTACT: WILLIAM VESELY (X74505)

OTHER OFFICE/INDIVIDUAL: RES/J. JENKINS

PURPOSE AND SCOPE: 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. (CURRENT)

ACCOMPLISHMENTS: TWO DRAFT REPORTS 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.

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 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:

I.G.1  
GREEN

TRAINING REQUIREMENTS - PREOPERATIONAL AND LOW-POWER  
TESTING (NRR)

NRR

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: PTRB/DHFS  
OTHER OFFICE/INDIVIDUAL:

CONTACT: DONALD FISCHER (X28649)

PURPOSE AND SCOPE: 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 AS ORIGINAL.

ACCOMPLISHMENTS: TRAINING/TESTING COMPLETE ON 3 NTOL'S: NORTH ANNA 2, SEQUOYAH, AND SALEM.

CURRENT STATUS: CURRENTLY WORKING ON 3 MORE NTOL'S: FARLEY, MCQUIRE, AND LASALLE.

ISSUES: ALL NTOL'S THUS FAR HAVE BEEN PWR'S. A PROGRAM IS BEING DEVELOPED AND IMPLEMENTED FOR BWR'S.

II.A.1 SITING POLICY REFORMULATION (SD) NRR,SD,RES,ADM REVISED: 10/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
COMMISSION(TACS: 5365) RESPONSIBLE BRANCH/DIVISION: SAB CONTACT: JAN NORRIS (X28437)  
OTHER OFFICE/INDIVIDUAL: NRR/L. SOFFER, D. CLEARY, R. BLOND  
PURPOSE AND SCOPE: 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 OSD; PUBLIC FINAL RULE - TO BE ESTABLISHED JOINTLY WITH OSD. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: 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 LABORATORIES (SL) 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 SL AND PAS FOR THE STUDY. SL ENGAGED SAI TO ASSIST IN DATA PROCESSING AND IS PRESENTLY NEGOTIATING AN AGREEMENT WITH DAMES & MOORE TO CONDUCT IMPACT STUDIES.  
CURRENT STATUS: SAME AS ACCOMPLISHMENTS  
ISSUES: NONE TO DATE.

II.A.2 SITE EVALUATION OF EXISTING FACILITIES (NRR) NRR REVISED: 10/80  
INACTIVE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
COMMISSION(TACS: 5365) RESPONSIBLE BRANCH/DIVISION: SAB CONTACT: JAN NORRIS (X28437)  
OTHER BRANCHES/INDIVIDUAL: NOT IDENTIFIED YET  
PURPOSE AND SCOPE: 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. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: WORK SCOPE IS IN PROCESS OF PREPARATION.  
CURRENT STATUS: TAP II.A.1 HAS TO BE ESSENTIALLY COMPLETED BEFORE THIS CAN PROCEED. WORK PLANS ARE IN PLANNING STAGES.  
ISSUES: NONE TO DATE.

II.B.4 SAFETY REVIEW CONSIDERATION - TRAINING TO MITIGATE NRR,IE REVISED: 10/80  
GREEN CORE DAMAGE (NRR)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: JOE MCMILLEN (X27476)  
OTHER OFFICE/INDIVIDUAL: IE/S. BRYAN  
PURPOSE AND SCOPE: 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 REVIEWS TO BE COMPLETED FEBRUARY 1981.  
ACCOMPLISHMENTS: PROGRAMS HAVE BEEN REVIEWED FOR NTOL PLANTS. PROGRAMS ARE IN EFFECT AT ALL OPERATING PLANTS AUGUST 1980. REVIEWS ARE BEING SCHEDULED.  
CURRENT STATUS: PROGRAMS ARE IN EFFECT AT ALL OPERATING PLANTS AS OF AUGUST 1980. OL APPLICATIONS WILL ADDRESS PROGRAMS IN FSAR.  
ISSUES: NONE

II.B.6  
 YELLOW SAFETY REVIEW CONSIDERATION - RISK REDUCTION FOR OPERATING  
 REACTORS IN HIGH-POPULATION DENSITY AREAS (NRR) NRR,IE,RES REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI CONTACT: JAMES MEYER (X27943)  
 OTHER OFFICE/INDIVIDUAL: NRR/S. ISRAEL, T. SPEIS  
 PURPOSE AND SCOPE: TO DEFINE AND EVALUATE ACCIDENT MITIGATION AND ACCIDENT PREVENTION FEATURES THAT  
 WILL SATISFY THE TASK OBJECTIVE, NAMELY THAT OF SIGNIFICANTLY REDUCING RISK FROM DEGRADED CORE  
 OR CORE MELT ACCIDENTS AT HIGH POP. SITES. LIMITED TO ZION & I.P.  
 SCHEDULE: (ORIGINAL) DECISION ON DESIGN CRITERIA AND BASES - 07/80. (CURRENT) DECISION ON REQUIREMENT  
 FOR FEATURES - 12/80.  
 ACCOMPLISHMENTS: TECHNOLOGY EXCHANGE (WITH UTILITIES) MEETINGS COMPLETED 06/80.  
 CURRENT STATUS: STAFF REPORT ON WHETHER FEATURES WILL SIGNIFICANTLY REDUCE RISK, AND IF SO, WHAT ARE  
 THE FUNCTIONAL REQUIREMENTS IS IN PREPARATION. REVIEW OF OSP-PAS EVALUATION OF Z/IP IS IN PROGRESS.  
 ISSUES: UTILITY INPUT (ZION/INDIAN POINT) IN THE FORM OF A FINAL REPORT WILL BE DELAYED FROM 10/80 TO 1/81.

\*II.D.2 COOLANT SYSTEM VALVES - RESEARCH ON TEST REQUIREMENTS (RES) RES REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: DRSR CONTACT: MILTON STOLTZENBURG (X74272)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: CONTRACT WITH FIRM TO SERVE AS MONITOR FOR INDUSTRY VALVE TEST AND STUDY  
 AT EPRI; STUDY ALL POTENTIAL FLUID CONDITIONS THE VALVES MIGHT BE EXPOSED TO.  
 SCHEDULE: (ORIGINAL) (CURRENT)  
 ACCOMPLISHMENTS:  
 CURRENT STATUS:  
 ISSUES: (NO INFORMATION HAS BEEN PROVIDED FOR THIS ITEM)

II.D.3  
 REQMENT COOLANT SYSTEM VALVES - VALVE POSITION INDICATION (NRR) NRR,IE REVISED: 11/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: ICSB/DSI CONTACT: JACK ROSENTHAL (X29434)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: 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: RECOMMENDATIONS ARE BEING IMPLEMENTED ON OL'S PRIOR TO POWER OPERATIONS ACCORDING  
 TO REVIEW SCHEDULES.  
 ISSUES: SEVERAL LICENSEES ARE HAVING DIFFICULTY DEMONSTRATING ENVIRONMENTAL QUALIFICATION. COMPLETION  
 OF SOME DEMONSTRATIONS MAY BE DELAYED AS LONG AS ONE YEAR.

II.E.1.2  
 YELLOW AUXILIARY FEEDWATER SYSTEM AUTOMATIC INITIATION AND  
 FLOW INDICATION (NRR) NRR REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: ICSB/DSI CONTACT: DALE THATCHER (X29426)  
 OTHER OFFICE/INDIVIDUAL: NRR/R. KENDALL, W. LEFAVE  
 PURPOSE AND SCOPE: 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 - 01/81. (CURRENT) RESPONSES  
 FROM LICENSEES DUE 10/80. FINAL COMPLETION DATE 05/81.  
 ACCOMPLISHMENTS: SERS COMPLETE FOR SIX ORS AND THREE NTOLS.  
 CURRENT STATUS: REVIEW OF NTOL AND OR SUBMITTALS BY ICSB AND FRANKLIN RESEARCH CENTER IN PROGRESS.  
 ISSUES: INCOMPLETE LICENSEE SUBMITTALS.



II.E.3.1 COMPLETE DECAY HEAT REMOVAL - RELIABILITY OF POWER SUPPLIES FOR NATURAL CIRCULATION (NRR) NRR,IE REVISED: 11/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: PSB/CSI CONTACT: FAUST ROSA (X27122)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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) SAME AS ORIGINAL AND, 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: SAME AS CURRENT SCHEDULE.  
ISSUES: NONE

II.E.3.5 GREEN DECAY HEAT REMOVAL - REGULATORY GUIDE (SD) SD REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: EMSB/DES CONTACT: RAJENDER AULUCK (X35921)  
OTHER OFFICE/INDIVIDUAL: NRR/C. GRAVES, OSD/T. SCARBROUGH  
PURPOSE AND SCOPE: 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 - 10/80, ISSUE EFFECTIVE REVISION 1 TO R.G. 1.139 09/81.  
ACCOMPLISHMENTS: REVISION 1 TO R.G. 1.139 COMPLETED AND SENT TO NRR FOR CONCURRENCE (06/80).  
CURRENT STATUS: CURRENTLY NRR IS REVIEWING THE IMPLEMENTATION SECTION OF PROPOSED REV. 1 TO REGULATORY GUIDE 1.139 AND THE GUIDE WILL BE ISSUED FOR COMMENT AS SOON AS NRR COMPLETES THE REVIEW.  
ISSUES:

II.E.4.1 GREEN CONTAINMENT DESIGN - DEDICATED PENETRATIONS (NRR) NRR,IE REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CSB/DSI CONTACT: MEL FIELDS (X29417)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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. (CURRENT) IMPLEMENT DESIGN CHANGES FOR OPERATING PLANTS - 07/81. IMPLEMENT DESIGN CHANGES FOR OLS - 07/81 OR PRIOR TO POWER OPERATION.  
ACCOMPLISHMENTS: PRELIMINARY CLARIFICATION LETTER SENT TO ALL ORS AND OLS ON SEPTEMBER 5, 1980 PROVIDED SCHEDULE CHANGES. REGIONAL MEETINGS DURING WEEK OF SEPTEMBER 22, 1980 CLARIFIED REQUIREMENTS.  
CURRENT STATUS: PREPARING FINAL CLARIFICATION LETTER DUE OUT IN LATE OCTOBER 1980.  
ISSUES: NONE

II.E.4.2  
GREEN

CONTAINMENT DESIGN- ISOLATION DEPENDABILITY (NRR)

NRR,IE,SD,ADM

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: CSB/DSI CONTACT: MEL FIELDS (X29417)

OTHER OFFICE/INDIVIDUAL: NRR/J. SHAPAKER; OSD/T. SCARBROUGH

PURPOSE AND SCOPE: DEVELOP AND ISSUE REVISION 1 TO REGULATORY GUIDE 1.141 ENDORSING ANS-56.2/ANSI N271-1976 AND SPECIFYING REQUIREMENTS FOR THREE DIVERSE CONTAINMENT ISOLATION SIGNALS (I.E. ESF ACTUATION, CONTAINMENT PRESSURE, AND CONTAINMENT RADIATION).

SCHEDULE: (ORIGINAL) ISSUE EFFECTIVE REV. 1 TO R.G. 1.141 - 07/80. (CURRENT) ISSUE EFFECTIVE REV. 1 TO R.G. 1.141 - 12/80; ISSUE REV. 2 TO R.G. 1.141 - 12/81.

ACCOMPLISHMENTS: PRELIMINARY CLARIFICATION LETTER SENT TO ALL ORS AND OLS 09/80 PROVIDED SCHEDULE CHANGES. REGIONAL MEETINGS DURING WEEK OF 09/22/80 CLARIFIED REQUIREMENTS.

CURRENT STATUS: CURRENTLY REV. 1 TO R.G. 1.141 IS ON HOLD PENDING RESOLUTION OF NRR CONCERN ON THE IMPLEMENTATION SECTION OF THE REGULATORY GUIDE. CSB/NRR IS TO HELP OSD PREPARE A MATRIX WHICH WOULD REPRESENT PROPOSED IMPLEMENTATION REQUIREMENTS FOR EACH POSITION OF THE REGULATORY GUIDE FOR EACH CLASS OF PLANT (E.G., CP'S, OL'S, OPERATING PLANTS, ETC.). PREPARING FINAL CLARIFICATION LETTER DUE OUT IN LATE 10/80.

ISSUES:

II.E.5.1  
YELLOW

DESIGN EVALUATION OF B&W REACTORS (NRR)

NRR

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: 03761) RESPONSIBLE BRANCH/DIVISION: RSB/DSI CONTACT: WALTON JENSEN (X29459)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: TO REDUCE THE SENSITIVITY OF B&W PLANTS TO FEEDWATER TRANSIENTS, WITH EMPHASIS ON THE OVERCOOLING TRANSIENTS OBSERVED AT B&W PLANTS.

SCHEDULE: (ORIGINAL) RESPONSES RECEIVED & UNDER REVIEW 09/80. (CURRENT) RESPONSES TO BE REVIEWED IN CONCERT WITH II.E.5.2 FOR EVENTUAL IMPLEMENTATION 09/81.

ACCOMPLISHMENTS: RESPONSES TO 10/25/79 ORDERS RECEIVED.

CURRENT STATUS: FURTHER IMPLEMENTATION AWAITING OUTCOME OF STAFF REVIEW OF II.E.5.2.

ISSUES: INSUFFICIENT RESOURCES AVAILABLE INHOUSE. TECHNICAL ASSISTANCE HAS BEEN INITIATED WITH ANL TO PERFORM REVIEW (FIN A2114). CURRENT PROJECTED COMPLETION DATE IS SEPTEMBER 1981.

II.E.5.2  
GREEN

B&W REACTOR TRANSIENT RESPONSE TASK FORCE (NRR)

NRR

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: BOB REID (X27381)

OTHER OFFICE/INDIVIDUAL: NRR/R. S. BAER

PURPOSE AND SCOPE: 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. DIVISION OF SAFETY TECHNOLOGY REVIEW 08/80. ISSUE IMPLEMENTATION REQUIREMENTS TO LICENSEES 12/80.

ACCOMPLISHMENTS: SAME AS CURRENT SCHEDULE.

CURRENT STATUS: THE DIVISION OF LICENSING IS PREPARING AN IMPLEMENTATION PACKAGE FOR TRANSMITTAL TO LICENSEES. THE IMPLEMENTATION IS BEING RECONCILED WITH THE IMPLEMENTATION OF ACTION ITEMS OF NUREG-0660 AND OTHER NRC REQUIREMENTS CURRENTLY BEING IMPLEMENTED FOR OPERATING REACTORS. THE REVIEW BY DST EXPANDED CERTAIN OF THE RECOMMENDATIONS TO INCLUDE REACTORS OF OTHER VENDORS INCLUDING BWRs.

ISSUES:

II.F.1(5) ADDITIONAL ACCIDENT MONITORING INSTRUMENTATION (NRR) NRR,IE,ADM REVISED: 11/80  
 GREEN (CONTAINMENT WATER LEVEL MONITOR)  
 \*\*COMPLETION DATE BY FND OF FY81 \*PRIORITY 1  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: DSI CONTACT: J. SHAPAKER (X29416)  
 OTHER OFFICE/INDIVIDUAL: ICSB/W. MORRIS  
 PURPOSE AND SCOPE: TO IMPROVE PLANT CAPABILITY FOR POST-ACCIDENT MONITORING.  
 SCHEDULE: (ORIGINAL) IMPLEMENTATION OF REQUIREMENTS BY 01/81 FOR LICENSEES AND NEW OPERATING  
 LICENSES, AND BEFORE OL ISSUANCE AFTER 01/01/81. (CURRENT) SAME AS ORIGINAL.  
 ACCOMPLISHMENTS: LETTER ISSUED TO LICENSEES AND APPLICANTS 09/05/80 ON PRELIMINARY CLARIFICATION  
 OF TMI ACTION PLAN REQUIREMENTS; REGIONAL MEETINGS HELD WEEK OF 09/22/80 TO DISCUSS REQUIREMENTS.  
 CURRENT STATUS: BASED ON THE DISCUSSIONS WITH LICENSEES AND APPLICANTS AT THE REGIONAL MEETINGS,  
 THE CLARIFICATION OF TMI ACTION PLAN REQUIREMENTS WILL BE FINALIZED BY MID-OCTOBER 1980 AND  
 TRANSMITTED TO LICENSEES AND APPLICANTS.  
 ISSUES: NONE

II.F.1(6) ADDITIONAL ACCIDENT MONITORING INSTRUMENTATION (NRR) NRR,IE,ADM REVISED: 11/80  
 GREEN (CONTAINMENT HYDROGEN MONITOR)  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: DSI CONTACT: JAMES SHAPAKER (X29416)  
 OTHER OFFICE/INDIVIDUAL: ICSB/W. MORRIS  
 PURPOSE AND SCOPE: TO IMPROVE PLANT CAPABILITY FOR POST-ACCIDENT MONITORING.  
 SCHEDULE: (ORIGINAL) IMPLEMENTATION OF REQUIREMENTS BY 01/81 FOR LICENSEES AND NEW OPERATING  
 LICENSES, AND BEFORE OL ISSUANCE AFTER 01/01/81. (CURRENT) SAME AS ORIGINAL.  
 ACCOMPLISHMENTS: LETTER ISSUED TO LICENSEES AND APPLICANTS 09/05/80 ON PRELIMINARY CLARIFICATION  
 OF TMI ACTION PLAN REQUIREMENTS; REGIONAL MEETINGS HELD WEEK OF 09/22/80 TO DISCUSS REQUIREMENTS.  
 CURRENT STATUS: BASED ON THE DISCUSSIONS WITH LICENSEES AND APPLICANTS AT THE REGIONAL MEETINGS,  
 THE CLARIFICATION OF TMI ACTION PLAN REQUIREMENTS WILL BE FINALIZED BY MID-OCTOBER 1980 AND  
 TRANSMITTED TO LICENSEES AND APPLICANTS.  
 ISSUES: NONE

II.F.5 CLASSIFICATION OF INSTRUMENTATION, CONTROL, SD REVISED: 11/80  
 YELLOW AND ELECTRICAL EQUIPMENT (SD)  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
 (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: ERIC WEISS (X35913)  
 OTHER OFFICE/INDIVIDUAL:  
 PURPOSE AND SCOPE: 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.  
 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.  
 ACCOMPLISHMENTS: NONE  
 CURRENT STATUS: NDEC REVIEW RESULTED IN STANDARD RETURNED TO WORK GROUP FOR IMPROVEMENT NEXT MEETING 1/81.  
 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.

II.G.1 COMPLETE POWER SUPPLIES FOR PRESSURIZER RELIEF VALVES, BLOCK VALVES, AND LEVEL INDICATIONS (NRR) NRR,IE REVISED: 11/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
 (TACS: ) RESPONSIBLE BRANCH/DIVISION: PSB/DSI CONTACT: ROBERT FITZPATRICK (X28350)  
 OTHER OFFICE/INDIVIDUAL: IE/M. KIDD; NRR/F. ROSA  
 PURPOSE AND SCOPE: 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)  
 SAME AS ORIGINAL SCHEDULE AND 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: SAME AS CURRENT SCHEDULES.  
 ISSUES: NONE

II.H.4(1) GREEN DETERMINE IMPACT OF TMI ON SOCIOECONOMIC AND REAL PROPERTY VALUES (RES) RES REVISED: 11/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
 (TACS: 42426) RESPONSIBLE BRANCH/DIVISION: EER/SAFER CONTACT: CLARR PRICHARD (X74358)  
 OTHER OFFICE/INDIVIDUAL: NRR/M. KALTMAN  
 PURPOSE AND SCOPE: 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)  
 SAME AS ORIGINAL.  
 ACCOMPLISHMENTS: CONTRACT SIGNED 04/80. ALL PROPERTIES INSPECTED 06/80. AVAILABLE DATA SCREENED 05/80. CONTROL AREA SELECTED 05/80.  
 CURRENT STATUS: RESEARCH PROGRESS IS ON SCHEDULE. DATA HAS BEEN COLLECTED AND IS BEING ANALYZED. TMI CASE STUDY IS UNDERWAY. COMPLETION IS EXPECTED 01/01/81. THE FINAL RESULTS WILL BE PUBLISHED AS A NUREG.  
 ISSUES: NONE

II.H.4(2) GREEN POST-LICENSING STUDIES OF THE SOCIOECONOMIC IMPACTS OF NUCLEAR POWER PLANT SITING AND REAL PROPERTY VALUES (RES) RES REVISED: 10/80  
 \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
 (TACS: 42426) RESPONSIBLE BRANCH/DIVISION: SAB CONTACT: MICHAEL KALTMAN (X28595)  
 OTHER OFFICE/INDIVIDUAL: NONE  
 PURPOSE AND SCOPE: TO DETERMINE THE IMPACT OF THE ACCIDENTS 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)  
 SAME AS ORIGINAL.  
 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 TO DATE (NUREG/CR-1215 - 01/80)  
 CURRENT STATUS: CURRENT EFFORTS ARE FOCUSED ON INTERVIEWING KEY INFORMANTS IN THE HARRISBURG AREA AND ON REPORT PRODUCTION.  
 ISSUES: NONE



II.J.1.2  
YELLOW

MODIFY EXISTING VENDOR INSPECTION PROGRAM (IE)

IE

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
(TACS: )

RESPONSIBLE BRANCH/DIVISION: RCI/IE CONTACT: WAYNE REINMUTH (X27551)

OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG, J. C. GLYNN, A. B. BENNETT; REGION IV/U. POTAPOVS

PURPOSE AND SCOPE: CHANGES IN THE CURRENT VENDOR INSPECTION PROGRAM WILL BE MADE TO BETTER REFLECT PRESENT CONDITIONS IN THE NUCLEAR SUPPLY INDUSTRY. GREATER EMPHASIS WILL BE PLACED UPON THE INSPECTION OF DESIGN CONTROL AND TECHNICAL ACTIVITIES AS INDICATED FROM OPERATIONAL AND CONSTRUCTION EXPERIENCE FROM EXISTING FACILITIES.

SCHEDULE: (ORIGINAL) MEETING IN REGION IV TO DISCUSS PROGRAM NEEDS 02/80; REVISE MANUAL CHAPTER 2700 - VENDOR INSPECTION PROGRAM; DRAFT EIGHT NEW PROCEDURES FOR TECHNICAL TYPE INSPECTIONS. (CURRENT) REVISE MANUAL CHAPTER 2700, NOW SCHEDULED FOR COMPLETION 10/80; COMPLETION AND ISSUANCE OF EIGHT NEW PROCEDURES 04/81.

ACCOMPLISHMENTS: NEED AND DIRECTION FOR REVISED PROGRAM IDENTIFIED (02/80).

CURRENT STATUS: PROGRAM REVISIONS TO MANUAL CHAPTER 2700 ARE IN PROGRESS. FIVE DRAFT INSPECTION PROCEDURES HAVE BEEN DRAFTED AND TRIAL USE IS IN PROGRESS.

ISSUES: STAFF TIME HAS BEEN PREEMPTED BY HIGHER PRIORITY REACTIVE EVENTS WHICH HAS RESULTED IN SCHEDULE DELAYS. FURTHER DELAYS MAY BE INCURRED IF SUCH EVENTS CONTINUE AT THE SAME FREQUENCY.

II.J.2.2  
YELLOW

INCREASE EMPHASIS ON INDEPENDENT MEASUREMENT IN  
THE CONSTRUCTION INSPECTION PROGRAM (IE)

IE

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RCI/IE CONTACT: WAYNE REINMUTH (X27551)

OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG, W. LAUDAN, W. R. RUTHERFORD; REGION I/R. CARLSON

PURPOSE AND SCOPE: INDEPENDENT MEASUREMENTS OF SELECTED EQUIPMENT AND ACTIVITIES AT CONSTRUCTION SITES ARE NEEDED TO PROVIDE GREATER ASSURANCE THAT PLANTS ARE PROPERLY CONSTRUCTED. BOTH DESTRUCTIVE AND NONDESTRUCTIVE TESTING OF A VARIETY OF EQUIPMENT IS BEING PERFORMED UNDER SEVERAL PLANNED PROGRAMS ON AN ON-GOING BASIS.

SCHEDULE: (ORIGINAL) HIRE INDEPENDENT TEST CONTRACTOR FOR DESTRUCTIVE TESTING 08/79; PROCURE MOBILE VAN FOR CONDUCTING NON-DESTRUCTIVE TESTS BY NRC PERSONNEL 09/80; PREPARE PROGRAM INSPECTION PROCEDURES TO COVER INDEPENDENT TESTING 08/80; DEVISE NEW PROGRAM FOR VERIFYING ENVIRONMENTAL QUAL. FO EQUIPMENT 08/82. (CURRENT) CONDUCT TRIAL PROGRAM WITH VAN EQUIPMENT 09/81.

ACCOMPLISHMENTS: CONTRACTOR FOR DESTRUCTIVE TESTS HAS BEEN HIRED AND IS PERFORMING TESTS ON ON-GOING BASIS. MOBILE VAN HAS BEEN DELIVERED. COMMISSION HAS APPROVED PROGRAM FOR VERIFICATION TESTING OF ENVIRONMENTAL QUALIFIED EQUIPMENT.

CURRENT STATUS: (1) TEST PROGRAM UTILIZING MOBILE NDE VAN WILL BE INITIATED IN 10/80. (2) TESTING OF EQUIPMENT AND ADMINISTRATIVE ACTIVITIES CALLED FOR BY THE PROGRAM FOR VERIFICATION TESTING OF ENVIRONMENTAL QUALIFIED EQUIPMENT IS PROCEEDING ACCORDING TO THE PLAN OUTLINED IN COMMISSION PAPER SECY 80-319.

ISSUES: SHORTAGE OF RESOURCES WILL PROBABLY DELAY FULL AND ON-TIME ACCOMPLISHMENT OF ALL PLANNED ACTIVITIES IN THESE SEVERAL AREAS.

II.J.3.1  
GREEN

ORGANIZATION AND STAFFING TO OVERSEE DESIGN AND CONSTRUCTION (NRR) NRR

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: 42061) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS CONTACT: JAMES SNELL (X28986)

OTHER OFFICE/INDIVIDUAL: IE/W. REINMUTH, SD/H. ASHAR

PURPOSE AND SCOPE: DEVELOP CRITERIA TO IMPROVE LICENSE APPLICANTS' OVERSIGHT OF DESIGN, CONSTRUCTION AND MODIFICATION ACTIVITIES.

SCHEDULE: (ORIGINAL) CRITERIA - FOLLOW SCHEDULE I.B.1.1, PARTS (1)-(5). SD TO ISSUE RES. GUIDE FOR COMMENT BY 03/81 AND FINAL BY 08/81. (CURRENT) PROVIDE SD WITH DRAFT MATERIAL 12/80.

ACCOMPLISHMENTS: NRR INHOUSE DRAFT CIRCULATING.

CURRENT STATUS: INHOUSE NRR DRAFT BEING REVIEWED AND COMMENTED ON.

ISSUES: WILL NEED NEW SECTION ON CONTRACTOR AND A/E RESPONSIBILITIES DURING CONSTRUCTION.

II.J.4.1  
GREEN

REVISE DEFICIENCY REPORTING REQUIREMENTS (IE)

IE,SD

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RCI/IE CONTACT: WAYNE REINMUTH (X27551)

OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG; NRR/J. M. TAYLOR, E. WENZINGER, W. CAMPBELL

PURPOSE AND SCOPE: DEFICIENCY REPORTING REQUIREMENTS WILL BE CLARIFIED AND BROADENED BY APPROPRIATE RULE CHANGES TO ASSURE THE REPORTING AND CORRECTION OF SIGNIFICANT DEFICIENCIES AND/OR DEFECTS IN PROGRAMS AND EQUIPMENT.

SCHEDULE: (ORIGINAL) IE SUBMIT RECOMMENDED 50.55(E) CHANGES TO SD 04/80; SD ISSUE FOR COMMENT, 50.55(E) RULE CHANGES 04/81; IE SUBMIT RECOMMENDED PART 21 CHANGES TO SD 10/80. (CURRENT)

ACCOMPLISHMENTS:

CURRENT STATUS: IE AND SD ARE CURRENTLY WORKING TOGETHER ON SPECIFIC CHANGES AND THE LANGUAGE FOR A REVISED 50.55(E) RULE. RECOMMENDATION FOR PART 21 RULE CHANGES HAVE BEEN PREPARED BY IE AND ARE BEING CIRCULATED WITHIN IE FOR COMMENT.

ISSUES: CHANGES TO PART 21 MAY REQUIRE CHANGES IN THE AUTHORIZING LEGISLATION (SECTION 206, AUTHORIZATION ACT OF 1974).

II.K.1  
YELLOW

MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF FEEDWATER ACCIDENTS - IE BULLETINS (NRR)

NRR

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: ORB/DSI CONTACT: BOB REID (X27381)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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: COMPLETION OF REVIEW OF RESPONSES TO BULLETINS HAS BEEN DELAYED BY HIGH PRIORITY EFFORTS.

ISSUES:

III.A.1.1  
GREEN

UPGRADE EMERGENCY PREPAREDNESS (NRR)

NRR, IE, SP, ADM

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: 42427) RESPONSIBLE BRANCH/DIVISION: EPLB, EPO CONTACT: FRANK PAGANO (X27846)  
OTHER OFFICE/INDIVIDUAL: IE/J. WIGGINTON

PURPOSE AND SCOPE: OBTAIN PROMPT UPGRADING OF EMERGENCY PREPAREDNESS AT AND AROUND ALL NUCLEAR POWER PLANTS.  
INSURE LICENSEE, STATE AND LOCAL EMERGENCY PLANS ARE INTEGRATED FOR OVERALL SITE EMERGENCY PREPAREDNESS.  
SCHEDULE: (ORIGINAL) SITE REVIEW PROGRAM FOR ALL OPERATING PLANTS AND NTOLS BEGAN SEPTEMBER 1979 AND WAS COMPLETED  
BY JULY 1980. (CURRENT) NEW LICENSEE EMERGENCY PLANS AS A RESULT OF THE SITE VISIT SCHEDULE ARE CURRENTLY BEING  
REVIEWED FOR ACCEPTABILITY. INTERIM EVALUATION REPORTS TO BE COMPLETED ON ALL OPERATING PLANTS BY APRIL 1981.  
ACCOMPLISHMENTS: NUREG-0654 PUBLISHED JANUARY 1980. FEMA/NRC MOU PUBLISHED JANUARY 1980. NUREG-0696  
PUBLISHED JULY 1980.  
CURRENT STATUS: SAFETY EVALUATION REPORTS (SER) WERE ISSUED ON 8 LOW POWER LICENSEES AND 2 FULL POWER  
LICENSEES. APPROXIMATELY 10-12 PLANTS WERE INSTRUCTED TO BEGIN IMPLEMENTATIONS OF NEW UPGRADED  
EMERGENCY PLAN.  
ISSUES:

III.A.1.3  
GREEN  
COMMISSION

MAINTAIN SUPPLIES OF THYROID BLOCKING AGENT (KI) (NRR)

NRR

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: 42428) RESPONSIBLE BRANCH/DIVISION: EPO CONTACT: BRIAN GRIMES (X27415)  
OTHER OFFICE/INDIVIDUAL: NRR/FRANK G. PAGANO, S. RAMOS; RES/R. BLOND

PURPOSE AND SCOPE: 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 EQUIP MENTS TO BE  
ISSUED.  
ACCOMPLISHMENTS: COMMISSION PAPER - SECY 80-257 FOR MAY 20, 1980.  
CURRENT STATUS: COMMISSION REQUESTED RESUBMITTAL OF SECY 80-257 TO INCLUDE COMMENTS OF THE ENDOCRINE  
SOCIETY. SECY 80-257A CURRENTLY AT OELD FOR CONCURRENCE.  
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

III.A.2.1 AMEND 10 CFR 50 AND APPENDIX E (TO PART 50) (SD) SD,SP REVISED: 10/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
COMMISSION(TACS: 42429) RESPONSIBLE BRANCH/DIVISION: EPLB, EPPO CONTACT: FRANK PAGANO (X27846)  
OTHER OFFICE/INDIVIDUAL: NRR/STEVE RAMOS  
PURPOSE AND SCOPE: NEW RULE AND CRITERIA WILL REQUIRE 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 75 DAYS AFTER PUBLICATION WITHIN 60 DAYS AFTER EFFECTIVE DATE OF THIS AMENDMENT,  
EACH NUCLEAR POWER REACTOR LICENSEE SHALL SUBMIT TO NRC PLANS FOR COPING WITH EMERGENCIES THAT MEET STANDARDS  
IN SECTION 50.47 (B) AND THE REQUIREMENTS OF APPENDIX E, 10 CFR PART 50.  
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.  
COMMISSION ACTION: REVIEW AND APPROVE

III.A.2.2 DEVELOPMENT OF GUIDANCE AND CRITERIA (NRR) NRR REVISED: 10/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: 42430) RESPONSIBLE BRANCH/DIVISION: EPLB, EPPO CONTACT: FRANK PAGANO (X27846)  
OTHER OFFICE/INDIVIDUAL: NRR/STEVE RAMOS  
PURPOSE AND SCOPE: NRC STAFF DEVELOPING GUIDANCE AND CRITERIA NEEDED FOR EXTENSIVE IMPROVEMENTS IN EMERGENCY  
PREPAREDNESS AT NUCLEAR POWER PLANTS.  
SCHEDULE: (ORIGINAL) ORIGINAL SCHEDULE WAS MET. (CURRENT) NUREG DOCUMENTS IN ACCOMPLISHMENTS ARE INTERIM AND WILL  
BE REPUBLISHED IN EARLY 1981.  
ACCOMPLISHMENTS: NUREG-0654 PUBLISHED JANUARY 1980. NUREG-0610 PUBLISHED SEPTEMBER 1979. NUREG-0696  
PUBLISHED JULY 1980.  
CURRENT STATUS: THESE NUREGS HAVE THREE DIFFERENT FUNCTIONS. NUREG-0610 FURNISHES EMERGENCY ACTION LEVEL  
GUIDELINES. NUREG-0654 PURPOSE IS TO PROVIDE COMMON REFERENCE AND INTERIM GUIDANCE IN THE DEVELOPMENT  
AND REVIEW OF STATE AND LOCAL GOVERNMENT AND LICENSEE EMERGENCY PLANS. NUREG-0696 PROVIDES THE FUNCTIONAL  
CRITERIA FOR EMERGENCY RESPONSE FACILITIES.  
ISSUES:



III.A.3.1  
GREEN

EMERGENCY PREPAREDNESS - NRC ROLE IN RESPONDING TO  
NUCLEAR EMERGENCIES (EDO)

IE,SD,SP,ADM

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:

CONTACT: KEN PERKINS (X28297)

PURPOSE AND SCOPE: TO REVISE ORGANIZATIONAL ARRANGEMENTS AND FUNCTIONS FOR NRC EMERGENCY  
RESPONSE OPERATIONS AND TO REVISE AND UPGRADE AGENCY EMERGENCY PLANS AND PROCEDURES  
ACCORDINGLY.

SCHEDULE: (ORIGINAL) (CURRENT)

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. UPDATE FOR OTHER  
AGENCY PROCEDURES IS BEING ADDRESSED BY FEMA IN THE "NATIONAL RADIOLOGICAL EMERGENCY  
PREPAREDNESS PLAN" DRAFT DATED 09/30/80. REVISION TO NUREG-0610 WILL APPEAR AS APPENDIX I  
TO NUREG-0654 IN 11/80. REVISIONS TO IMPLEMENTING PROCEDURES AND INSTRUCTIONS TO REGIONAL  
OFFICES ARE ADDRESSED IN SECY 80-371.

ISSUES:

III.A.3.2  
YELLOW

EMERGENCY PREPAREDNESS - IMPROVE OPERATION CENTERS (IE)

IE,ADM

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: 42431) RESPONSIBLE BRANCH/DIVISION: X00S/IE  
OTHER OFFICE/INDIVIDUAL: IE/J. HIMES, L. BELL, D. ROSANO, E. WEINSTEIN, K. JACKSON

CONTACT: BERNIE WEISS (X29575)

PURPOSE AND SCOPE: UPGRADE THE NRC CAPABILITY FOR SUPPORTING/DECISION-MAKING DURING NUCLEAR INCIDENTS.

SCHEDULE: (ORIGINAL) IMPROVE PHYSICAL SPACE, ARRANGEMENT & EQUIPMENT FOR OPS CENTER 06/80; FINAL OPERATIONS  
CENTER MODIFICATIONS (UNDETERMINED); REGIONAL OPERATIONS CENTER MODIFICATIONS 01/81. (CURRENT)  
IMPROVE OPS CENTER (ONGOING); FINAL OPS CENTER MODIFICATIONS (UNDETERMINED); REGIONAL OPS CENTER  
MODIFICATIONS 06/81.

ACCOMPLISHMENTS: IMPROVED OPERATIONS CENTER PROCEDURES; TWO DIRECT AND DEDICATED TELEPHONE SYSTEMS;  
PHYSICAL UPGRADING OF OPERATIONS CENTER; TRAINING OF RESPONSE TEAMS; EXERCISES AND DRILLS.

CURRENT STATUS: WORK IN ONGOING IN IMPROVING FACILITIES, PROCEDURES AND EQUIPMENT. WILL BE CONTINUOUS.

ISSUES: MAJOR PROBLEM RELATES TO THE UNCERTAINTY OF THE LOCATION OF THE OPERATIONS CENTER FOR FURTHER  
PLANNING.

III.A.3.3  
YELLOW

EMERGENCY PREPAREDNESS - COMMUNICATIONS (IE)

IE,ADM,NRR

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: 42432) RESPONSIBLE BRANCH/DIVISION: X005/IE CONTACT: BERNIE WEISS (X29575)

OTHER OFFICE/INDIVIDUAL: IE/L. BELL, R. ROSANO; ADM/V.KERR

PURPOSE AND SCOPE: PROVIDE DEDICATED AND RELIABLE COMMUNICATIONS FOR USE DURING NUCLEAR EMERGENCIES.

SCHEDULE: (ORIGINAL) INSTALLATION OF ENS/HPN TELEPHONE SYSTEMS 06/79 03/80; COMMUNICATION SUPPORT FROM

OTHER AGENCIES; COMMUNICATIONS STUDY 08/80. (CURRENT) INSTALLATION OF ENS/HPN TELEPHONE SYSTEMS 06/79  
08/80; COMMUNICATION SUPPORT FROM OTHER AGENCIES (ONGOING); COMMUNICATIONS REPORT TO CONGRESS 09/80.

ACCOMPLISHMENTS: REPORT TO CONGRESS NUREG-0729 - 09/80.

CURRENT STATUS: WORK TO IMPROVE COMMUNICATIONS IS ONGOING. BASED ON REPORT TO CONGRESS (NUREG-0729) FURTHER  
ACTIONS WILL BE TAKEN TO IMPROVE PRIMARY, BACKUP AND SUPPLEMENTARY COMMUNICATIONS. SIGNIFICANT IMPROVE-  
MENTS HAVE BEEN MADE SINCE TMI-2, BUT ADDITIONAL UPGRADING NEEDED FOR VOICE, GRAPHIC, DATA, WRITTEN AND  
FACE-TO-FACE COMMUNICATIONS.

ISSUES: DEVELOPING PRIORITIES FOR EXTENSIVE COMMUNICATIONS NEEDS PLUS ACQUIRING THE NECESSARY FUNDING.  
IN ADDITION, THE NUCLEAR DATA LINK CONCEPT NEEDS FURTHER DEFINITION.

III.A.3.4

EMERGENCY PREPAREDNESS - NUCLEAR DATA LINK (IE)

IE,RES,ADM

REVISED: 10/80

GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3

COMMISSION(TACS: 42148) RESPONSIBLE BRANCH/DIVISION: X005/IE CONTACT: BERNIE WEISS (X29575)

OTHER OFFICE/INDIVIDUAL: RES/O. BASSETT; NRR/W. MINNERS; IE/M. HOWARD

PURPOSE AND SCOPE: PROVIDE NRC THE CAPABILITY TO REMOTELY ACCESS FACILITY DATA AND DISPLAY THAT DATA AT THE  
NRC OPERATIONS CENTER.

SCHEDULE: (ORIGINAL) SANDIA REPORT COMPLETED; COMMISSION BRIEFING. (CURRENT)

ACCOMPLISHMENTS: COMMISSION PAPER SECY 80-326 ON NDL PRESENTED TO COMMISSION. REPORT TO CONGRESS (NUREG-0730)  
- 09/80.

CURRENT STATUS: SYSTEM DEFINITION NEEDS FURTHER REFINEMENT. SPECIFICATIONS ARE BEING DEVELOPED TO OPEN  
CONTRACTOR SELECTION TO COMPETITIVE PROCESS. INTEGRATION OF NDL WITH OTHER LICENSEE EMERGENCY FAC-  
ILITIES DEFINED IN NUREG-0696. IMPLEMENTATION PLAN BEING DEVELOPED.

ISSUES: COMMISSION APPROVAL OF A FINAL NRC CONCEPT REQUIRED SELECTION OF SYSTEM INTEGRATOR AND SUB-  
CONTRACTOR(S) NEEDED. LONG TERM FUNDING A NECESSITY.

COMMISSION ACTION: REVIEW

III.A.3.5  
YELLOW

EMERGENCY PREPAREDNESS - TRAINING, DRILLS, AND TESTS (IE) IE REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: X00S/IE CONTACT: BERNIE WEISS (X29575)  
OTHER OFFICE/INDIVIDUAL: IE/L. BELL, J. HIMES, D. ROSANO  
PURPOSE AND SCOPE: HEADQUARTERS AND REGIONAL DRILLS AND EXERCISES ARE NECESSARY TO TEST THE SYSTEM,  
USE THE NEWSLY DEVELOPED PROCEDURES, BETTER DEFINE INTERFACES AND TRAIN INCIDENT RESPONSE PARTICIPANTS.  
SCHEDULE: (ORIGINAL) ONGOING. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: THREE MAJOR DRILLS HAVE BEEN CONDUCTED, IN ADDITION TO ACTIVATING THE OPS CENTER THREE  
TIMES AND SEVERAL INSTANCES OF MAINTAINING CENTER ON STANDBY.  
CURRENT STATUS: ONGOING. WILL CONDUCT MAJOR DRILL APPROXIMATELY ONCE EVERY TWO MONTHS AND PARTIAL DRILLS  
AT LEAST EVERY FOUR WEEKS.  
ISSUES: SCHEDULING FREQUENT DRILLS DUE TO RESOURCE LIMITATIONS.

III.A.3.6  
GREEN

EMERGENCY PREPAREDNESS - NRC AND OTHER AGENCIES (EDO) IP,IE,SP,ADM REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: KEN PERKINS (X28297)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: ASSURE COORDINATION WITH FEDERAL AGENCIES IN EMERGENCY PREPAREDNESS AND RESPONSE ACTIVITIES.  
SCHEDULE: (ORIGINAL) (CURRENT)  
ACCOMPLISHMENTS:  
CURRENT STATUS: (A) NRC'S AGENCY RESPONSE PLANT WAS SENT TO COMMISSION IN 09/80. EXPECT COMMISSION TO  
FORWARD TO CONGRESS IN 10/80. (B) FEMA HAS PREPARED THE NATIONAL RADIOLOGICAL EMERGENCY RESPONSE  
PLAN FOR FEDERAL AGENCIES. EXPECT FEMA TO FORWARD TO CONGRESS IN 10/80. (C) FEMA IS PREPARING  
FEDERAL AGENCY ASSIGNMENTS FOR PLANS AND PREPAREDNESS. EXPECT DRAFT IN OCTOBER, 1980.  
ISSUES:

III.B.1  
GREEN

TRANSFER OF EMERGENCY PREPAREDNESS RESPONSIBILITIES TO FEMA (EDO) SP,NRR REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT: KEN PERKINS (X28297)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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) (CURRENT)  
ACCOMPLISHMENTS:  
CURRENT STATUS: NRC IDENTIFIED THE FUNCTIONS AND RESOURCES ASSOCIATED LEAD RESPONSIBILITY FOR STATE  
AND LOCAL GOVERNMENTS' EMERGENCY PREPAREDNESS. NRC PREPARED AND SUBMITTED TO OMB A DRAFT DETERMINATION  
ORDER THAT WOULD TRANSFER THESE FUNCTIONS AND RESOURCES TO FEMA. OMB HAS NOT YET ACTED ON THE  
DETERMINATION ORDER.  
ISSUES:

III.B.2  
GREEN

IMPLEMENTATION OF NRC'S AND FEMA'S RESPONSIBILITIES (EDO)

IE,SP,NRR

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: 42433) RESPONSIBLE BRANCH/DIVISION: EDO

CONTACT: KEN PERKINS (X28297)

OTHER OFFICE/INDIVIDUAL: IE/J. SNIEZEK, EPLB/EPFO/FRANK PAGANO

PURPOSE AND SCOPE: 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. (CURRENT) 8 STATES WERE TO SUMMIT PLANS FOR REVIEW BY FEMA BY MID-SUMMER, WITH THE BALANCE TO BE RECEIVED BY SPRING OF 1981. SOME DELAYS WERE ANTICIPATED BY FEMA BECAUSE OF ADDITIONAL TIME NECESSARY TO HOLD PUBLIC MEETINGS AND THE REQUIRED REVIEW FOR APPROVAL OF PLANS.

ACCOMPLISHMENTS: FEDERAL REVIEW OF EMERGENCY PLANS OF STATES AFFECTED BY OPERATING NUCLEAR POWER PLANTS SUGGESTS SIGNIFICANT PROGRESS IS BEING MADE TO IMPROVE RADIOLOGICAL EMERGENCY PLANS AND PREPAREDNESS SINCE THE PUBLICATION OF NUREG-0654 IN JANUARY 1980.

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:

III.C.1  
YELLOW

PUBLIC INFORMATION - PROVIDE TO NEWS MEDIA AND PUBLIC (OPA)

OPA,IE

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3

(TACS: ) RESPONSIBLE BRANCH/DIVISION: OPA

CONTACT: FRANK INGRAM (X27715)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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; RECOMMEND DOE PUBLISH ADDITIONAL INFORMATION (OPEN); PILOT PROGRAM - SEMINARS FOR NEWS MEDIA 06/80

ACCOMPLISHMENTS: REVIEW OF PUBLICLY AVAILABLE DOCUMENTS COMPLETE 06/80.

CURRENT STATUS: DOE INITIATING DEVELOPMENT OF NEW LITERATURE; NRC RECOMMENDATION MAY NOT BE NECESSARY. SEMINARS NOT GIVEN OUTSIDE NRC.

ISSUES: QUESTION OF PROPRIETY OF NR; SPONSORING SEMINARS HAS TO BE RESOLVED.

III.C.2  
GREEN

PUBLIC INFORMATION - PROVIDE TRAINING (OPA)

OPA

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3

(TACS: ) RESPONSIBLE BRANCH/DIVISION: OPA

CONTACT: FRANK INGRAM (X27715)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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



III.D.2.2  
GREEN

RADIOIODINE, CARBON-14, AND TRITIUM PATHWAY DOSE ANALYSIS (NRR) NRR,SD,RES,ADM REVISED: 11/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RAB/DSI CONTACT: FRANK CONGEL (X27542)  
OTHER OFFICE/INDIVIDUAL: NRR/R. BANGART, W. PASEDAG  
PURPOSE AND SCOPE: (1) IMPROVE UNDERSTANDING AT RADIOIODINE PARTITIONING IN THE PRIMARY COOLANT AND CONTAINMENT DURING NORMAL AND ACCIDENT CONDITIONS. (2) BEHAVIOR OF RADIOIODINE, CARBON-14, AND TRITIUM IN THE ENVIRONMENT WILL BE MODELED AND USED IN REACTOR ASSESSMENTS.  
SCHEDULE: (ORIGINAL) PNL CONTRACT TO STUDY FOOD PATH BEHAVIOR OF I AT TMI 10/80; REQUEST TO RES TO DETERMINE I SPECIES DURING NORMAL/ACCID CONITIONS 09/80; USE RESULTS OF ABOVE STUDY & ESTABLISH ENVIRON BEHAVIOR IF I 09/82. (CURRENT) SAME AS ORIGINAL.  
ACCOMPLISHMENTS: PNL CONTRACT DESCRIBING I BEHAVIOR IN TMI SITE ENVIRONS DUE MOMENTARILY.  
CURRENT STATUS: RES USERS REQUEST IS BEING PREPARED.  
ISSUES: NONE

III.D.2.4  
GREEN

OFFSITE DOSE MEASUREMENTS (IE) NRR,RES,IE,ADM REVISED: 10/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: FFMSI/IE CONTACT: LARRY COHEN (X28188)  
OTHER OFFICE/INDIVIDUAL: IE/M. SLOBODIEN  
PURPOSE AND SCOPE: THE PURPOSE OF THE PROGRAM IS TO PROVIDE INDEPENDENT AND HIGH QUALITY DIRECT RADIATION MEASUREMENTS AROUND NUCLEAR POWER PLANTS TO ENABLE IE TO ASSESS THE RADIOLOGICAL IMPACT OF THESE FACILITIES UNDER ROUTINE AND EMERGENCY SITUATIONS AND TO VERIFY THE ACCURACY OF LICENSEE'S RADIATION MEASUREMENTS.  
SCHEDULE: (ORIGINAL) TLD NETWORK WAS IMPLEMENTED AT ALL OPERATING POWER PLANTS 07/80; ANNUAL REPORT 06/81. (CURRENT) TLD NETWORK WAS IMPLEMENTED AT ALL OPERATING POWER PLANTS 07/80.  
ACCOMPLISHMENTS: THE NRC-TLD DIRECT RADIATION MONITORING NETWORK WAS IMPLEMENTED AT ALL 49 OPERATING NUCLEAR POWER PLANTS IN JULY, 1980.  
CURRENT STATUS: THERMOLUMINESCENT DOSIMETERS (TLDs) HAVE BEEN PLACED IN ENVIRONS OF 49 OPERATING NUCLEAR POWER PLANTS. COMPUTER SYSTEM TO PROCESS TLDs HAS BEEN PROCURED. CONTACT TO WRITE SOFTWARE PROGRAM TO OPERATE COMPUTER SYSTEMS HAS BEEN SIGNED. DELIVERY OF SOFTWARE IS EXPECTED BY APRIL, 1981.  
ISSUES: LIMITED DATA PROCESSING CAPABILITY FOR RADIATION MEASUREMENTS UNTIL COMPUTER SOFTWARE PROGRAMS ARE WRITTEN AND INTEGRATED INTO TLD SYSTEM.

III.D.3.3  
GREEN

INPLANT RADIATION MONITORING (NRR) NRR,SD REVISED: 11/80  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RAB/DSI CONTACT: DOUG COLLINS (X27614)  
OTHER OFFICE/INDIVIDUAL: NRR/C. HINSON  
PURPOSE AND SCOPE: 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. DRAFT R.G. 1.97 INCLUDED AREA RADIATION MONITORS TO 104 R/HR. (CURRENT)  
ACCOMPLISHMENTS: CATEGORY A SER, 3/80 - ABILITY TO DETECT IODINE.  
CURRENT STATUS: MOST LICENSEES CAN MEASURE RADIOIODINE CONCENTRATIONS NOW BECAUSE THEY WILL USE SILVER ZEOLITE CARTRIDGES WITH A SINGLE CHANNEL ANALYZER. THE COUNTING CAN BE DONE IN A LOW BACKGROUND AREA, SUCH AS THE TECHNICAL SUPPORT CENTER. CONTRACT TO PERFORM REVIEWS TO BE SENT 10/80.  
ISSUES: NONE

III.D.3.5  
YELLOW

RADIATION WORKER EXPOSURE DATA BASE (SD)

SD

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RHSB/DSH55 CONTACT: ROBERT GOLDSMITH (X35860)

OTHER OFFICE/INDIVIDUAL: RHSB/D. FLACK

PURPOSE AND SCOPE: 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)

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 BEING MADE WITH OTHER NRC OFFICES, DOE AND EPRI TO DETERMINE WHAT RELATED DATA HAS ALREADY BEEN COLLECTED. 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.

ISSUES: EXACT SCOPE, SCHEDULES AND RESOURCES DEPENDENT ON PASSAGE OF MOFFETT AMENDMENT, PART OF PENDING H.R. 6628, NRC FY '81 AUTHORIZATION BILL.

IV.A.1 SEEK LEGISLATIVE AUTHORITY IN ENFORCEMENT PROCESS (OGC) OGC,ELD,IE REVISED: 11/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
COMMISSION(TACS: ) RESPONSIBLE BRANCH/DIVISION: OGC CONTACT: CARL STOIBER (X43224)  
OTHER OFFICE/INDIVIDUAL: NRR/D. COLLINS  
PURPOSE AND SCOPE: NRC IS TRYING TO RAISE CIVIL PENALTY FINE (ON LICENSEE) LIMITS TO \$100,000 PER VIOLATION  
WITH NO LIMIT ON THE NUMBER OF VIOLATIONS. NRC IS FURTHER 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 AUTHORIZATION.  
CURRENT STATUS: SECY-80-366 BEING REVIEWED BY COMMISSION.  
ISSUES: DECISION MUST BE MADE AS TO WHETHER OR NOT TO SEEK LEGISLATIVE AUTHORITY FOR ADDITIONAL  
FINE LEVYING CAPABILITIES UNDER SPECIFIC CONDITIONS.

IV.A.2 REVISE ENFORCEMENT POLICY (IE) IE REVISED: 11/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
COMMISSION(TACS: ) RESPONSIBLE BRANCH/DIVISION: X00S/IE CONTACT: DUDLEY THOMPSON (X28487)  
OTHER OFFICE/INDIVIDUAL: ELD/JAMES LIEBERMAN  
PURPOSE AND SCOPE: REVISE NRC ENFORCEMENT POLICY AND GUIDANCE FOR IMPOSITION OF CIVIL PENALTIES, ORDERS,  
AND OTHER SANCTIONS. CONSIDER PROBATIONARY STATUS, AND PUBLIC MEETINGS NEAR SITE. INFORM PUBLIC,  
REQUEST COMMENTS AND HOLD REGIONAL MEETINGS.  
SCHEDULE: (ORIGINAL) SECY-80-139A 08/80; SECOND COMMISSION BRIEFING 09/80. (CURRENT) FEDERAL REGISTER  
NOTICE; REVISE TO ACCOMMODATE COMMENTS; ISSUE AS APPENDIX C, PART 2.  
ACCOMPLISHMENTS: AT BRIEFING ON 9/4/80, COMMISSION APPROVED PUBLICATION FOR 90-DAY COMMENT PERIOD.  
APPROVAL FOR INTERIM USE OF NEW PROPOSED POLICY AS GUIDANCE. FEDERAL REGISTER NOTICE 10/7/80 (45FR66754)  
CURRENT STATUS: PUBLIC MEETINGS SCHEDULED FOR EARLY DECEMBER IN NRC REGIONAL CITIES. INVITATIONS AND  
COPIES OF FRN SENT TO POTENTIAL PARTICIPANTS. PRESS RELEASE ON MEETINGS ISSUED 10/28.  
ISSUES:  
COMMISSION ACTION: APPROVAL OF PUBLICATION.

IV.E.1 EXPAND RESEARCH ON QUANTIFICATION OF SAFETY DECISION-MAKING (RES) RES REVISED: 11/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: SRR/RES CONTACT: WILLIAM VESELY (X74505)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: 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"  
09/80. (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: 08/80.  
ACCOMPLISHMENTS: COMPLETED TWO NUREGS AND FOUR DRAFT REPORTS 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:

IV.E.2 PLAN FOR EARLY RESOLUTION OF SAFETY ISSUES (NRR) NRR,SD,RES,AEOD,IE REVISED: 10/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
COMMISSION(TACS: 40042) RESPONSIBLE BRANCH/DIVISION: DSI/SPEB CONTACT: THOMAS COX (X28966)  
OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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) (1) DRAFT PLAN FOR NRR MANAGEMENT REVIEW 11/7/80; (2) RECOMMENDED PLAN FOR COMMISSION REVIEW 1/9/81; (3) FINAL PLAN THAT INCORPORATES COMMISSION COMMENTS 3/6/81.

ACCOMPLISHMENTS:

CURRENT STATUS: EFFORT JUST GETTING UNDERWAY.

ISSUES: NONE IDENTIFIED AT THIS TIME.

COMMISSION ACTION: REVIEW OF PLAN.

IV.F.1 INCREASED IE SCRUTINY OF POWER ASCENSION TEST PROGRAM (IE) IE REVISED: 10/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ROI/IE CONTACT: SAM BRYAN (X28019)  
OTHER OFFICE/INDIVIDUAL: IE/R. H. WESSMAN

PURPOSE AND SCOPE: INCREASE IE 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.

SCHEDULE: (ORIGINAL) DEVELOP INSPECTION REQUIREMENTS 05/80; COMMENCE INSPECTION WHEN FACILITY STARTUP TESTING BEGINS (UNKNOWN). (CURRENT) INSPECTION REQUIREMENTS DEVELOPED 05/80; COMMENCE INSPECTION OF STARTUP TESTING (UNKNOWN).

ACCOMPLISHMENTS: INSPECTION REQUIREMENTS ISSUED IN MAY 1980. FIRST NTOL POWER ESCALATION IS IN PROGRESS AND BEING WITNESSED AT NORTH ANNA 2.

CURRENT STATUS: POWER ESCALATION WITNESSING PLANNED FOR SEQUOYAH IN 10/80. INSPECTION INCORPORATED INTO REVISED IE INSPECTION PROCEDURES.

ISSUES: NONE

IV.F.2 EVALUATE THE IMPACTS OF FINANCIAL DISINCENTIVES TO THE SAFETY OF NUCLEAR POWER PLANTS (NRR) NRR,SD,RES,IE REVISED: 11/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: 42407) RESPONSIBLE BRANCH/DIVISION: UTILITY FINANCE BRANCH, DE CONTACT: ROBERT WOOD (X28336)  
OTHER OFFICE/INDIVIDUAL: NRR/JIM PETERSON, MICHAEL KARLOWICZ

PURPOSE AND SCOPE: 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 AS ORIGINAL.

ACCOMPLISHMENTS: PRELIMINARY CONTACTS WITH FERC, NARUC, AND IRS HAVE BEEN MADE.

CURRENT STATUS: CONTINUING TO GATHER INFORMATION FROM REGULATORY ORGANIZATIONS AND PRELIMINARILY IDENTIFY POSSIBLE DISINCENTIVES.

ISSUES: NONE



APTS.0213

SAVE

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THIS IS THE SECOND ITERATION OF THE TMI ACTION PLAN TRACKING SYSTEM (APTS). (THIS HAS BEEN UPDATED TO INCLUDE COMMENTS PROVIDED FOR THE 02/02 MEETING WITH THE CHAIRMAN.)

THE USER IS CAUTIONED THAT SOME OF THE INFORMATION PROVIDED IS NOT AS CLEAR AS IT COULD BE. FURTHER, SOME PROBLEMS HAVE APPEARED IN THE ASSIGNMENT OF STATUS INDICATORS, WHICH ARE DEFINED BELOW FOR REFERENCE. FINALLY, THERE STILL MAY BE SOME RECOUNTING BECAUSE OF REDEFINITION OF SUBELEMENTS.

THE NEXT ISSUE OF THE APTS WILL APPEAR IN MAY.

TMI ACTION PLAN TRACKING SYSTEM  
STATUS INDICATORS

STATUS INDICATORS ARE REPORTED IN THE LEFT-HAND MARGIN BELOW THE ACTION ITEM NUMBER. ITEMS WITHIN NUMBERED GROUPS ARE MUTUALLY EXCLUSIVE; IT IS POSSIBLE TO HAVE 3 STATUS ITEMS APPEARING.

1. INACTIVE - NO WORK IS CURRENTLY UNDERWAY IN THIS ITEM.
- REQMENT - 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.
2. 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- INDICATES COMMISSION REVIEW/ACTION IS REQUIRED ON THE ITEM.

IMI ACTION PLAN TRACKING SYSTEM (APTS)

JANUARY 1981 ISSUE

MASTER LIST INCLUDING ALL ACTION ITEMS (RUN DATE: 02/13/81)

SUMMARY OF ACTION ITEMS:

CHAPTER I : 84 (OPERATIONAL SAFETY)  
CHAPTER II : 178 (SITING AND DESIGN)  
CHAPTER III : 78 (EMERGENCY PREPAREDNESS AND RADIATION EFFECTS)  
CHAPTER IV : 26 (PRACTICES AND PROCEDURES)  
  
TOTAL 366 (PRIORITY '1' ITEMS : 198)

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

COMPLETE :	<u>25 (14,4,7,0)</u>	PRIORITY '1' ITEMS :	<u>17 (11,3,3,0)</u>
RED ITEMS :	<u>36 (2,33,1,0)</u>	PRIORITY '1' ITEMS :	<u>31 (1,30,0,0)</u>
YELLOW ITEMS :	<u>117 (27,58,25,7)</u>	PRIORITY '1' ITEMS :	<u>67 (19,48,0,0)</u>
GREEN ITEMS :	<u>183 (41,83,45,19)</u>	PRIORITY '1' ITEMS :	<u>83 (17,60,6,0)</u>
TOTAL :	<u>366 (84,178,78,26)</u>	TOTAL :	<u>198 (48,141,9,0)</u>

*REQMENT :	<u>126 (20,90,15,1)</u>	PRIORITY '1' ITEMS :	<u>107 (17,86,4,0)</u>
*INACTIVE :	<u>33 (10,11,8,4)</u>	PRIORITY '1' ITEMS :	<u>3 (2,1,0,0)</u>
*COMMISSION ACTION ITEMS :	<u>39 (14,7,8,10)</u>	PRIORITY '1' ITEMS :	<u>11 (9,2,0,0)</u>
*NO INFORMATION RECEIVED :	<u>73 (1,72,0,0)</u>	PRIORITY '1' ITEMS :	<u>72 (1,71,0,0)</u>

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

COMMENTS:

THE CATEGORY "NO INFORMATION RECEIVED" REFERS TO TASK SUBELEMENTS FOR WHICH NO UPDATE INFORMATION WAS SUPPLIED, BUT ARE IDENTIFIED AS DISCRETE ITEMS IN NUREG-0660. STATUS INFORMATION FOR THESE ITEMS WILL BE REQUESTED FOR THE NEXT UPDATE.

COMMENTS OR QUESTIONS REGARDING THIS MATERIAL SHOULD BE DIRECTED TO PAUL VINEYARD, MPA (X27034, MNBB-12711)

TMI ACTION PLAN TRACKING SYSTEM (APTS)

JANUARY 1981 ISSUE

CHAPTER I ACTION ITEMS (RUN DATE: 02/13/81)

SUMMARY OF ACTION ITEMS:

CHAPTER I :	<u>84</u>	(OPERATIONAL SAFETY)	
NRR LEAD :	<u>45</u>	PRIORITY '1' ITEMS :	<u>32</u>
SD LEAD :	<u>15</u>	PRIORITY '1' ITEMS :	<u>6</u>
IE LEAD :	<u>8</u>	PRIORITY '1' ITEMS :	<u>5</u>
RES LEAD :	<u>11</u>	PRIORITY '1' ITEMS :	<u>1</u>
OTHER LEAD :	<u>5</u>	PRIORITY '1' ITEMS :	<u>4</u>

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

COMPLETE :	<u>14</u>	(7,0,4,1,2)
RED ITEMS :	<u>2</u>	(1,0,0,1,0)
YELLOW ITEMS :	<u>27</u>	(15,7,1,4,0)
GREEN ITEMS :	<u>41</u>	(22,8,3,5,3)
TOTAL :	<u>84</u>	(45,15,8,11,5)

PRIORITY '1' ITEMS :	<u>11</u>	(6,0,3,0,2)
PRIORITY '1' ITEMS :	<u>1</u>	(1,0,0,0,0)
PRIORITY '1' ITEMS :	<u>19</u>	(13,5,1,0,0)
PRIORITY '1' ITEMS :	<u>17</u>	(12,1,1,1,2)
TOTAL :	<u>48</u>	(32,6,5,1,4)

*REQMENT :	<u>20</u>	(20,0,0,0,0)
*INACTIVE :	<u>10</u>	(5,2,2,1,0)
*COMMISSION ACTION ITEMS :	<u>14</u>	(6,5,0,2,1)
*NO INFORMATION RECEIVED :	<u>1</u>	(0,1,0,0,0)

PRIORITY '1' ITEMS :	<u>17</u>	(17,0,0,0,0)
PRIORITY '1' ITEMS :	<u>2</u>	(0,0,2,0,0)
PRIORITY '1' ITEMS :	<u>9</u>	(6,2,0,0,1)
PRIORITY '1' ITEMS :	<u>1</u>	(0,1,0,0,0)

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

COMMENTS:

02/13/81 (CHAPTER I - OPERATIONAL SAFETY)

I.A.1.1  
REQMENT  
GREEN

OPERATIONAL SAFETY - SHIFT TECHNICAL ADVISOR (NRR)

NRR,IE

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: 42055) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS

CONTACT: MIKE WILLIAMS (X27703)

OTHER OFFICE/INDIVIDUAL: IE/M. KIDD

PURPOSE AND SCOPE: 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 UNDERWAY 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 LICENSES IN NOVEMBER 1980.

CURRENT STATUS: LICENSEES TO SUBMIT BY 1/1/81 DESCRIPTION OF CURRENT TRAINING PROGRAM AND DEMONSTRATION OF CONFORMANCE TO STAFF GUIDELINES FOR POST-IMPLEMENTATION REVIEW.

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.

REQUIREMENT WAS ISSUED ON 09/13/79; LICENSEE TO IMPLEMENT BY 01/01/81;  
REPORTS TO BE SUBMITTED BY 01/01/81; NRR IS EVALUATING REPORTS; NRR TO  
ISSUE ORDER IN 02/81 ADDRESSING PLANT SPECIFIC REQUIREMENTS; OIE TO  
VERIFY IMPLEMENTATION.



I.A.1.2  
COMPLETE

OPERATIONAL SAFETY - SHIFT SUPERVISOR ADMIN. DUTIES (NRR)

NRR

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: 42055) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS

CONTACT: FRED ALLENSPACH (X27741)

OTHER OFFICE/INDIVIDUAL: IE/M. KIDD

PURPOSE AND SCOPE: 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: LICENSEES OF OPERATING REACTORS COMPLETED THIS TASK BY 01/80.

CURRENT STATUS: APPLICANTS FOR OL WILL COMPLETE BY FUEL LOADING.

ISSUES: NONE

I.A.1.3  
REQMENT  
GREEN

OPERATIONAL SAFETY - SHIFT MANNING (NRR)

NRR,IF

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: 42057) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS CONTACT: LAWRENCE CROCKER (X29437)  
OTHER OFFICE/INDIVIDUAL: IE/M. KIDD  
PURPOSE AND SCOPE: 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 07/31/80. 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.  
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.

REQUIREMENT WAS ISSUED ON 07/31/80; LICENSEE TO IMPLEMENT BY 11/01/80;  
REPORTS TO BE SUBMITTED BY 11/01/80; NRR IS EVALUATING REPORTS; NRR TO ISSUE  
ORDER IN 02/81 ADDRESSING PLANT SPECIFIC REQUIREMENTS; OIE TO VERIFY  
IMPLEMENTATION.

I.A.1.4 OPERATIONAL SAFETY - LONG-TERM UPGRADING (SD)

SD

REVISED: 01/81

YELLOW \*\*COMPLETION DATE > FY81 \*PRIORITY -  
COMMISSION(TACS: R50181) RESPONSIBLE BRANCH/DIVISION: R55B/DES CONTACT: WILLIAM CAMPBELL (X35913)  
OTHER OFFICE/INDIVIDUAL: NRR/D. VASSALLO; IE/S. BRYAN; OELD/G. CUNNINGHAM  
PURPOSE AND SCOPE: DEVELOP CHANGES TO 10 CFR 50.54 CONCERNING SHIFT STAFFING BY LICENSED OPERATORS AND  
WORKING HOURS OF LICENSED OPERATORS.  
SCHEDULE: (ORIGINAL) SD, STAFF REVIEW OF COMMISSION PAPER - 09/80, COMPLETE ITEM - 01/82. (CURRENT) SD STAFF  
REVIEW IN PROGRESS.  
ACCOMPLISHMENTS: 10/29 NRR & SD PARTIAL AGREEMENT ON WORKING HOUR LIMITATIONS.  
CURRENT STATUS: 10/29 AND 11/13 NRR/SD MEETING DID NOT RESOLVE ALL ISSUES. COMMISSION PAPER WITH DIFFERING  
VIEWS IS LIKELY.  
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

I.A.2.1(1)  
REQMENT  
GREEN

IMMEDIATE UPGRADING OF OPERATOR AND SENIOR  
OPERATOR TRAINING AND QUALIFICATIONS (NRR)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB/DHFS  
OTHER OFFICE/INDIVIDUAL: NONE

NRR,ADM,IE

REVISED: 01/81

CONTACT: PAUL COLLINS (X27486)

PURPOSE AND SCOPE: 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: NONE

REQUIREMENT WAS ISSUED ON 03/28/80; LICENSEE TO IMPLEMENT BY 08/01/80;  
REPORTS TO BE SUBMITTED BY 08/01/80; NRR IS EVALUATING REPORTS; NRR TO ISSUE  
ORDER IN 09/81 ADDRESSING PLANT SPECIFIC REQUIREMENTS; OIE TO VERIFY  
IMPLEMENTATION.



I.A.2.1(2)  
REQMENT  
GREEN

IMMEDIATE UPGRADING OF OPERATOR AND SENIOR  
OPERATOR TRAINING AND QUALIFICATIONS (NRR)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS:42446) RESPONSIBLE BRANCH/DIVISION: OLB/DHFS  
OTHER OFFICE/INDIVIDUAL:

NRR,ADM,IE

REVISED: 01/81

CONTACT: PAUL COLLINS (X27486)

PURPOSE AND SCOPE: 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:

I.A.2.1(3) IMMEDIATE UPGRADING OF OPERATOR AND SENIOR  
COMPLETE OPERATOR TRAINING AND QUALIFICATIONS (NRR)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS:42446) RESPONSIBLE BRANCH/DIVISION: OLB/DHFS  
OTHER OFFICE/INDIVIDUAL:

NRR,ADM,IE

REVISED: 01/81

CONTACT: PAUL COLLINS (X27486)

PURPOSE AND SCOPE: REQUIRE CORPORATE MANAGEMENT RATHER THAN PLANT MANAGEMENT, TO CERTIFY TO COMPETENCY OF  
OPERATOR AND SENIOR APPLICANTS

SCHEDULE: (ORIGINAL) MAY 1, 1980 (CURRENT) SAME

ACCOMPLISHMENTS:

CURRENT STATUS: COMPLETE

ISSUES:

I.A.2.2  
YELLOW

TRAINING AND QUALIFICATION REQUIREMENTS  
FOR OPERATIONS PERSONNEL (NRR)

NRR,IE

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: 42626) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS CONTACT: ROBERT BENEDICT (X27317)

OTHER OFFICE/INDIVIDUAL: NRR/E. PEDERSEN, J. MCMILLEN

PURPOSE AND SCOPE: DEVELOP GUIDANCE FOR QUALIFICATIONS AND TRAINING REQUIREMENTS FOR ALL OPERATIONS  
PERSONNEL, INCLUDING MAINTENANCE AND TECHNICAL PERSONNEL.

SCHEDULE: (ORIGINAL) ISSUE REQUIREMENTS - 10/80. (CURRENT) ISSUE GUIDANCE - 01/81.

ACCOMPLISHMENTS: LETTER TO LICENSEES AND APPLICANTS PREPARED AND IS IN PROCESS OF BEING ISSUED.

CURRENT STATUS: SAME AS ACCOMPLISHMENTS.

I.A.2.3  
COMPLETE

ADMINISTRATION OF TRAINING PROGRAMS (NRR)

NRR,ADM

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS:42447) RESPONSIBLE BRANCH/DIVISION: OLB/DHFS -CONTACT: JOE MCMILLEN (X27476)

OTHER OFFICE/INDIVIDUAL: NONE

PURPOSE AND SCOPE: 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: NONE TO DATE.

CURRENT STATUS: PROGRAM SCHEDULED FOR FY81. NRR VERIFYING IN REGULARLY SCHEDULED OPERATOR EXAMS.

ISSUES: NONC



1.A.2.4  
INACTIVE  
GREEN

NRR PARTICIPATION IN INSPECTOR TRAINING (NRR)

NRR,IE

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 3

(TACS: 42448) RESPONSIBLE BRANCH/DIVISION: OLB/DHFS

CONTACT: JOE MCMILLEN (X27476)

OTHER OFFICE/INDIVIDUAL: IE/J. LEDOUX

PURPOSE AND SCOPE: PROVIDE INSTRUCTION TO IE INSPECTORS REGARDING THE ROLE AND LICENSING OF  
REACTOR OPERATIONS STAFF.

SCHEDULE: (ORIGINAL) INITIATE PROGRAM IN FY 82. (CURRENT) SAME

ACCOMPLISHMENTS: NONE TO DATE.

CURRENT STATUS: NOT SCHEDULED UNTIL FY 82.

ISSUES: NONE

I.A.2.5  
YELLOW

TRAINING AND QUALIFICATION OF OPERATING

PERSONNEL - PLANT DRILLS (NRR)

NRR

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: OLB/DHFS CONTACT: JOE MCMILLEN (X27476)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: LICENSEES WILL DEVELOP AND CONDUCT IN-PLANT DRILLS.

SCHEDULE: (ORIGINAL) SHORT TERM REQUIREMENTS WERE TO BE ISSUED BY 1/81. (CURRENT) REQUIREMENT WILL BE  
ISSUED FOR COMMENT IN 02/81.

ACCOMPLISHMENTS:

CURRENT STATUS: AWAITING THE NRR-80-117 CONTRACT COMPLETION.

ISSUES:

I.A.2.6(1) LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (SD)

SD,NRR,IE,ADM

REVISED: 01/81

YELLOW

\*\*COMPLETION DATE > FY81 \*PRIORITY 1

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: R55B/DES CONTACT: STEVEN RICHARDSON (X35913)

OTHER OFFICE/INDIVIDUAL: NRR/P. COLLINS; IE/S. BRYAN

PURPOSE AND SCOPE: 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:

CURRENT STATUS: DRAFT GUIDE REVISION ISSUED 10/02/80. PUBLIC COMMENTS BEING RESOLVED.

ISSUES:

I.A.2.6(2) LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (SD)

SD,NRR,IE,ADM

REVISED: 01/81

YELLOW

\*\*COMPLETION DATE > FY81 \*PRIORITY 1

COMMISSION (TACS: NONE) RESPONSIBLE BRANCH/DIVISION: R55B/DES

CONTACT: STEVEN RICHARDSON (X35913)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: STAFF REVIEW OF NRR-80-117 "REQUIREMENTS FOR OPERATOR LICENSING" & MAKE RECOMMENDATIONS TO THE COMMISSION.

SCHEDULE: (ORIGINAL) COMPLETE REVIEW - 9/80; SUBMIT PAPER TO COMMISSION 12/1/80; (CURRENT) SAME ONLY 02/28/81.

ACCOMPLISHMENTS:

CURRENT STATUS: CONTRACT COMPLETED 11/80 - COMMISSION PAPER IN PREPARATION.

ISSUES:

COMMISSION ACTION: REVIEW OPERATOR LICENSING GUIDELINES AND ESTABLISH APPROPRIATE CRITERIA.



I.A.2.6(3) LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (SD)

SD,NRR,IE,ADM

REVISED: 01/81

YELLOW \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

COMMISSION(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: R55B/DES

CONTACT: STEVEN RICHARDSON (X35913)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: REVISE 10 CFR 55 TO INCLUDE MANDATORY SIMULATOR TRAINING, MANDATORY 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 1/81; ISSUE EFFECTIVE RULE 11/81

ACCOMPLISHMENTS:

CURRENT STATUS: COMMISSION PAPER SENT TO EDO 10/27/80. SENT TO COMMISSION 11/4/80. COMMISSION MEETING 12/11/80; AS OF 12/29/80 COMMISSION APPROVAL NOT YET OBTAINED.

ISSUES:

COMMISSION ACTION: REVIEW OPERATOR LICENSING GUIDELINES AND ESTABLISH APPROPRIATE CRITERIA.

I.A.2.6(4) LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (NRR)

SD,NRR,IE,ADM

REVISED: 01/81

YELLOW \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

COMMISSION(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB/DHFS CONTACT: JOE MCMILLEN (X27476)

OTHER OFFICE/INDIVIDUAL: IE/S. BRYAN

PURPOSE AND SCOPE: DEVELOP PAPER FOR COMMISSION REVIEW REGARDING WORKSHOPS FOR LICENSED PERSONNEL.

SCHEDULE: (ORIGINAL) PROVIDE PAPER FOR COMMISSION ACTION 01/81. (CURRENT) DRAFT IS TO BE STARTED

BY 07/81.

ACCOMPLISHMENTS: NONE TO DATE.

CURRENT STATUS: ON SCHEDULE.

ISSUES: NONE

COMMISSION ACTION: REVIEW

I.A.2.6(5) LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (IE)

SD,NRR,IE,ADM

REVISED: 01/81

INACTIVE  
GREEN

\*\*COMPLETION DATE BY END OF FY8! \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ROI/IE  
OTHER OFFICE/INDIVIDUAL:

CONTACT: SAMUEL BRYAN (X28019)

PURPOSE AND SCOPE: IE WILL DEVELOP INSPECTION PROCEDURES FOR TRAINING PROGRAMS.

SCHEDULE: (ORIGINAL) FEBRUARY 1982 (CURRENT) SAME

ACCOMPLISHMENTS:

CURRENT STATUS: NOT SCHEDULED UNTIL LATE FY81.

ISSUES:

I.A.2.6(6) LONG-TERM UPGRADING OF TRAINING AND QUALIFICATIONS (NRR)

SD,NRR,IE,ADM

REVISED: 01/81

YELLOW \*\*COMPLETION DATE > FY81 \*PRIORITY 1

COMMISSION(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB/HFS CONTACT: JOE MCMILLEN (X27476)

OTHER OFFICE/INDIVIDUAL: IE/S. BRYAN

PURPOSE AND SCOPE: 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) SAME

ACCOMPLISHMENTS: CONTRACT LETTER 05/80. INTERIM REPORT COMPLETED 12/80.

CURRENT STATUS: CONTRACT WORK ON SCHEDULE.

ISSUES: NONE

COMMISSION ACTION: REVIEW



I.A.2.7  
INACTIVE  
YELLOW

ACCREDITATION OF TRAINING INSTITUTIONS (NRR)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: OLB/DHFS  
OTHER OFFICE/INDIVIDUAL:

NRR,SD,ADM

REVISED: 10/80

CONTACT: JOE MCMILLEN (X27476)

PURPOSE AND SCOPE: 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. SD WILL COMPLETE A COMMISSION PAPER  
BY 01/82. (CURRENT) NOT YET DEVELOPED

ACCOMPLISHMENTS:

CURRENT STATUS: INACTIVE

ISSUES:

I.A.3.1  
REQMENT  
GREEN

REVISE SCOPE AND CRITERIA FOR LICENSING EXAMS (NRR)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB/DHFS  
OTHER OFFICE/INDIVIDUAL: NONE

NRR

REVISED: 01/81

CONTACT: JOE MCMILLEN (X27476)

PURPOSE AND SCOPE: INCREASE THE PASSING GRADE, ADD NEW CATEGORIES TO THE EXAMINATIONS TO ADDRESS  
HEAT TRANSFER THERMODYNAMICS AND FLUID FLOW.

SCHEDULE: (ORIGINAL) IMPLEMENT 05/80. (CURRENT) SAME

ACCOMPLISHMENTS: ITEM COMPLETE.

CURRENT STATUS: NEW SCOPE AND CRITERIA IN EFFECT.

ISSUES: NONE

- \* NUREG-0737 REQUIREMENT
- \* TO BE IMPLEMENTED BY 10/01/81
- \* LICENSEES HAVE SUBMITTED COMMITMENTS
- \* NRR WILL COMPLETE COMMITMENTS REVIEW BY 05/01/81
- \* ORDERS TO BE ISSUED IN SPRING 1981
- \* IE WILL VERIFY IMPLEMENTATION

I.A.3.2  
GREEN

OPERATOR LICENSING PROGRAM CHANGES (NRR)

NRR

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 3

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB/DHFS CONTACT: PAUL COLLINS (X27486)

OTHER OFFICE/INDIVIDUAL: IE/REGION III INSPECTORS

PURPOSE AND SCOPE: 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 PLAN BEING DEVELOPED. INITIATED 07/80. STUDY OF OTHER PROGRAM IMPROVEMENTS CONTRACTED. REPORT DUE 12/80.

ACCOMPLISHMENTS: DRAFT REGIONALIZATION PROGRAM - 07/80. CONTRACT WRITTEN TO STUDY STAFFING AND PLAN FOR REVIEW OF OPERATOR ERRORS - 08/80.

CURRENT STATUS: PROGRAM TO REGIONALIZE IN REGION III APPROVED RECRUITING FOR POSITIONS IN PROGRESS.

ISSUES: NONE

I.A.3.3 ESTABLISH REQUIREMENTS FOR OPERATOR FITNESS (SD)

SD

REVISED: 01/81

YELLOW

\*\*COMPLETION DATE > FY81 \*PRIORITY -

COMMISSION(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: R55B/DES

CONTACT: ELLIS MERSCHOFF (X35913)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: DEVELOP REQUIREMENTS FOR OPERATOR FITNESS (STRESS, MALEVOLENCE, ALCOHOL AND DRUG ABUSE)  
FOR CONSIDERATION BY THE COMMISSION.

SCHEDULE: (ORIGINAL) DECISION GROUP D ITEM (CURRENT) SAME

ACCOMPLISHMENTS:

CURRENT STATUS:

ISSUES: ACTION INITIATED FOR DEVELOPMENT OF A PROPOSED RULE REGARDING DRINKING  
PRIOR TO ASSUMING LICENSED DUTIES.

COMMISSION ACTION: REVIEW



I.A.3.4  
GREEN

LICENSING OF ADDITIONAL OPERATIONS PERSONNEL (NRR)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: 42452) RESPONSIBLE BRANCH/DIVISION: OLB/DHFS  
OTHER OFFICE/INDIVIDUAL: NONE

NRR,ADM

REVISED: 01/81

CONTACT: JOE MCMILLEN (X27476)

PURPOSE AND SCOPE: 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.

ACCOMPLISHMENTS: CONTRACT COMPLETE.

CURRENT STATUS: CONTRACT REPORT BEING ISSUED FOR PUBLIC COMMENT.

ISSUES: THIS ITEM SHOULD BE INCORPORATED INTO ACTION PLAN I.A.2.2 AS THE REPORT WILL BE ONE BASIS FOR  
MAKING THE ABOVE DETERMINATION.

I.A.3.5  
INACTIVE  
GREEN

LICENSING OF PERSONNEL - STATEMENT OF

UNDERSTANDING WITH INPO AND DOE (NRR)

\*\*COMPLETION DATE > FY81 \*PRIORITY -

(TACS: ) RESPONSIBLE BRANCH/DIVISION: DST

OTHER OFFICE/INDIVIDUAL: NRR/S. HANAUER

NRR

REVISED: 01/81

CONTACT: MAL ERNST (X28016)

PURPOSE AND SCOPE: 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.

I.A.4.1(1) TRAINING SIMULATOR IMPROVEMENTS - INITIAL (NRR)  
YELLOW

NRR,ADM

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: 42453) RESPONSIBLE BRANCH/DIVISION: OLB/DHFS CONTACT: JOE MCMILLEN (X27476)  
OTHER OFFICE/INDIVIDUAL: RES/W. FARMER

PURPOSE AND SCOPE: 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 SCHEDULED COMPLETION DATED AUGUST 29, 1980. NRR ISSUE REQUIREMENTS 01/81.

ACCOMPLISHMENTS: FINAL 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.

ISSUES: SIX MONTH 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. THIS ASPECT OF THE TASK IS TO BE COMPLETED 6/81.

I.A.4.1(2) STATUS INFORMATION IS INCLUDED IN I.A.4.1(1)

I.A.4.2(1) TRAINING SIMULATOR IMPROVEMENTS - LONG-TERM (SD)  
GREEN

SD, RES, NRR

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: 42454) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: ELLIS MERSCHOFF (X35913)  
OTHER OFFICE/INDIVIDUAL: NRR/J. MCMILLEN; RES/W. S. FARMER  
PURPOSE AND SCOPE: PERFORM RESEARCH STUDIES TO IMPROVE THE USE OF SIMULATORS. IMPROVE CAPABILITIES, STUDY OPERATOR RESPONSE TIME. CONDUCT SIMULATED EXPERIMENTS. UPGRADE ANS 3.5. ISSUE AN EFFECTIVE REG GUIDE.  
SCHEDULE: (ORIGINAL) ORNL COMPLETE RESEARCH CONTRACT 04/81; ANS ISSUE REVISED SIMULATOR STANDARD 12/80; SD ISSUE AN EFFECTIVE REG GUIDE 09/81. (CURRENT) ORNL COMPLETE RESEARCH CONTRACT 04/81; ANS ISSUE REVISED SIMULATOR STANDARD 03/81; SD ISSUE AN EFFECTIVE REG GUIDE 08/81.  
ACCOMPLISHMENTS: ISSUED REG GUIDE (R5-110-5) FOR PUBLIC COMMENT JULY 31, 1980, ANS 3.5 REVISED MARCH 24, 1980.  
CURRENT STATUS: NEGATIVE NUPPSCD COMMENTS RESOLVED BY ANS 3.5 WORKING GROUP. SIXTY DAY PUBLIC COMMENT PERIOD FOR REG GUIDE EXPIRED 10/80. REVISED REG. GUIDE ROUTED FOR STAFF REVIEW 11/08/80. SCHEDULED FOR ACRS REVIEW 1/6/81. (RES) FINAL SEQUOYAH TESTS TO BE CONDUCTED FOR PWR SIMULATOR IN 12/80. FINAL REPORT ON SEQUOYAH SIMULATOR TESTS TO BE ISSUED 3/81. NEGOTIATIONS UNDERWAY WITH GENERAL PHYSICS TO CONDUCT BWR ABNORMAL EVENTS TESTS ON TVA BROWNS FERRY SIMULATORS BETWEEN 3/81 AND 9/81. SITE SURVEYS CONDUCTED BY MEMPHIS STATE BY 4/81 AND FINAL REPORT BY 06/81. MEMPHIS STATE WILL INITIATE BWR SITE SURVEYS AT PWR PLANTS TO BE CONDUCTED BY MEMPHIS STATE BY 4/81 AND FINAL REPORT BY 06/81 DRAFT OF BWR SITE REVIEWS BY 04/81 AND COMPLETE THESE REVIEWS BY 10/81. DRAFT OF BWR SAFETY RELATED OPERATOR ACTION TO BE COMPLETED BY 01/82 AND FINAL REPORT SUBMITTED BY 04/82.  
ISSUES: NONE

I.A.4.2(2) AND I.A.4.2(4) STATUS INFORMATION IS INCLUDED IN I.A.4.2(1)



I.A.4.2(3) LONG-TERM TRAINING SIMULATOR UPGRADE (RES)

SD,RES,NRR

REVISED: 01/81

GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

COMMISSION(TACS: ) RESPONSIBLE BRANCH/DIVISION: DRSR

CONTACT: WILLIAM FARMER (X74272)

OTHER OFFICE/INDIVIDUAL: SD/E. MERSCHOFF

PURPOSE AND SCOPE: 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) STUDY OF PROCEDURES FOR VALIDATING SIMULATOR FIDELITY STARTED 09/80; INTERIM REPORT DUE 01/81; PUBLISHED REPORT DISTRIBUTED 06/81.

(CURRENT) STUDY REVIEWED WITH OSD AND NRR 09/80.

ACCOMPLISHMENTS:

CURRENT STATUS:

ISSUES:

COMMISSION ACTION: REVIEW

I.A.4.3 FEASIBILITY STUDY FOR PROCUREMENT OF TRAINING  
SIMULATOR (RES)  
GREEN  
COMMISSION\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: DRSR  
OTHER OFFICE/INDIVIDUAL:

RES

REVISED: 01/81

CONTACT: STANISLAV FABIC (X74275)

PURPOSE AND SCOPE: STUDY THE FEASIBILITY OF UPGRADING REACTOR SIMULATORS TO MORE ACCURATELY SIMULATE ANOMALOUS TRANSIENTS AND SMALL-BREAK LOCAS. THIS WOULD ALLOW BETTER TRAINING OF PLANT OPERATORS TO RESPOND TO AND RECOVER FROM ACCIDENTS THAT COMPRISE THE MOST LIKELY RISKS.

SCHEDULE: (ORIGINAL) NONE (DECISION GROUP D ITEM) (CURRENT) SAME  
ACCOMPLISHMENTS: COMPLETED FEASIBILITY STUDY IN SEPTEMBER 1980. STUDY INDICATES UPGRADING IS FEASIBLE.

CURRENT STATUS: PLAN TO PROCEED TO ACQUIRE THE NECESSARY HARDWARE AND DEVELOP SOFTWARE NEEDED FOR UPGRADING SIMULATOR CAPABILITIES TO REPRESENT THE REACTOR COOLANT SYSTEM BEHAVIOR. THE AIM IS TO DEMONSTRATE (A) THE IMPROVED CAPABILITIES AND (B) THE MEANS THROUGH WHICH THE NEW HARDWARE/SOFTWARE CAN BE MADE TO INTERFACE WITH THOSE PARTS OF THE EXISTING SIMULATORS WHICH DO NOT NEED TO BE UPGRADED.

ISSUES: RES HAS REQUESTED ENDORSEMENT OF THIS PLAN FROM NRR.  
COMMISSION ACTION: REVIEW

I.A.4.4  
INACTIVE  
GREEN

FEASIBILITY STUDY TO EVALUATE POTENTIAL VALUE  
OF HRC ENGINEERING COMPUTER (RES)

RES

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: DRSR

CONTACT: STANISLAV FABIC (X74275)

OTHER OFFICE/INDIVIDUAL: SD/E. MERSCHOFF; RES/W. FARMER, E. DAVIDSON

PURPOSE AND SCOPE: 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".

(SEE I.A.4.3) SCHEDULE: (ORIGINAL) STUDY PROCEDURES FOR VALIDATING SIMULATOR FIDELITY 09/80; INTERIM REPORT DUE 01/81;  
PUBLISHED REPORT DISTRIBUTED 06/81. (CURRENT) STUDY REVIEWED WITH OSD AND NRR 09/80.

ACCOMPLISHMENTS: INTERNAL STUDY COMPLETED.

CURRENT STATUS: NO FURTHER ACTION IS PLANNED.

ISSUES:

COMMISSION ACTION: REVIEW

I.B.1.1(1) MANAGEMENT FOR OPERATIONS - LONG-TERM  
COMPLETE IMPROVEMENTS (NRR)

NRR,IE,SD,ADM

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: 42059) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS  
OTHER OFFICE/INDIVIDUAL: IE/S. BRYAN

CONTACT: LAWRENCE CROCKER (X29437)

PURPOSE AND SCOPE: DEVELOP DRAFT GUIDELINES FOR MANAGEMENT AND TECHNICAL RESOURCES TO OPERATE NUCLEAR  
POWER PLANTS.

SCHEDULE: (CURRENT) OBTAIN PUBLIC COMMENTS ON DRAFT GUIDELINES BY NOVEMBER 1980. (CURRENT) SAME

ACCOMPLISHMENTS: CONTRACT WITH TEKNEKRON COMPLETED (FINAL REPORT DATED MAY 1980) NUREG - 0731, "GUIDE-  
LINES 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.



I.B.1.1(2) MANAGEMENT FOR OPERATIONS - LONG-TERM  
YELLOW IMPROVEMENTS (NRR)

NRR,IE,SD,ADM

REVISED: 01/81

COMMISSION\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS:42059)

RESPONSIBLE BRANCH/DIVISION: LQB/DHFS  
OTHER OFFICE/INDIVIDUAL: IE/S. BRYAN

CONTACT: LAWRENCE CROCKER (X29437)

PURPOSE AND SCOPE: 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 JANUARY 1981.

(CURRENT) LATE RECEIPT OF COMMENTS WILL EXTEND COMPLETION OF COMMISSION PAPER TO MARCH 1981.

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.

I.B.1.1(3) MANAGEMENT FOR OPERATIONS - LONG-TERM  
YELLOW IMPROVEMENTS (NRR)  
COMMISSION\*\*COMPLETION DATE > FY81 \*PRIORITY 1

NRR,IE,SD,ADM

REVISED: 01/81

(TACS:42059) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS  
OTHER OFFICE/INDIVIDUAL: IE/S. BRYAN

CONTACT: LAWRENCE CROCKER (X29437)

PURPOSE AND SCOPE: ISSUE REQUIREMENTS TO LICENSEES FOR UPGRADING OF MANAGEMENT AND TECHNICAL RESOURCES OF  
CURRENTLY OPERATING PLANTS AS WELL AS THOSE FACILITIES UNDER CONSTRUCTION.

(SEE  
I.B.1.1(2))

SCHEDULE: (ORIGINAL) ISSUE REQUIREMENTS BY MARCH 1981.  
(CURRENT) PROBABLE SLIP OF SEVERAL MONTHS DUE TO LATE COMPLETION OF COMMISSION PAPER.

ACCOMPLISHMENTS: NONE  
CURRENT STATUS: DEPENDS ON COMPLETION OF I.B.1.1(2).  
COMMISSION ACTION: REVIEW

I.B.1.1(4) MANAGEMENT FOR OPERATIONS - LONG-TERM  
YELLOW IMPROVEMENTS (NRR)

NRR,IE,SD,ADM

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS:42059)

RESPONSIBLE BRANCH/DIVISION: LQB/DHFS  
OTHER OFFICE/INDIVIDUAL: IE/S. BRYAN

CONTACT: LAWRENCE CROCKER (X29437)

PURPOSE AND SCOPE: REVIEW RESPONSES BY LICENSES OF OPERATING PLANTS AND HOLDERS OF CONSTRUCTION PERMITS  
TO DETERMINE ACCEPTABILITY.

SCHEDULE: (ORIGINAL) REVIEW RESPONSES BY JULY 1981.

(CURRENT) PROBABLE SLIP OF SEVERAL MONTHS DUE TO PROJECTED LATE ISSUANCE OF GUIDELINES.

ACCOMPLISHMENTS: NONE

CURRENT STATUS: NONE

ISSUES: NONE

I.B.1.1(5) MANAGEMENT FOR OPERATIONS - LONG-TERM  
INACTIVE IMPROVEMENTS (IE)  
YELLOW

NRR, IE, SD, ADM

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS:42059) RESPONSIBLE BRANCH/DIVISION: CONTACT: SAMUEL BRYAN (X28019)  
OTHER OFFICE/INDIVIDUAL: IE/JAMES SNIEZEK  
PURPOSE AND SCOPE: IE WILL REVIEW LICENSEE IMPLEMENTATION OF THE UPGRADING ACTIVITIES.  
SCHEDULE: (ORIGINAL) IE WILL INSPECT LICENSEE IMPLEMENTATION FROM 10/81 TO 06/82  
(CURRENT) SAME  
ACCOMPLISHMENTS:  
CURRENT STATUS: IE TO INSPECT FOLLOWING REVIEW OR RESPONSES - I.B.1.1(4) ABOVE - HOWEVER,  
PROBABLE SLIP IN THAT ITEM WILL LEAD TO SIMILAR SLIP IN THIS ITEM.  
ISSUES: (NRR INDICATED IE HAD LEAD ON THIS TASK-01/81)



I.B.1.1(6) MANAGEMENT FOR OPERATIONS - LONG-TERM  
YELLOW IMPROVEMENTS (SD)

NRR,IE,SD,ADM

REVISED:

\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:

CONTACT: TOM SCARBROUGH (X35913)

OTHER OFFICE/INDIVIDUAL: SD/S. RICHARDSON

PURPOSE AND SCOPE: SD WILL PREPARE PROPOSED REVISIONS TO REG. GUIDES 1.33 AND 1.8  
SCHEDULE: (ORIGINAL) SD 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:

ISSUES: (NRR INDICATED SD HAD LEAD ON THIS TASK-01/81)

I.B.1.1(7) MANAGEMENT FOR OPERATIONS - LONG-TERM  
YELLOW IMPROVEMENTS (SD)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:

NRR, IE, SD, ADM

REVISED:

CONTACT:

PURPOSE AND SCOPE:  
SCHEDULE: (ORIGINAL)  
ACCOMPLISHMENTS:  
CURRENT STATUS:  
ISSUES: (NRR INDICATED SD HAD LEAD ON THIS ITEM-01/81)

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

I.B.1.2(1) MANAGEMENT FOR OPERATIONS - EVALUATION FOR NTOL APPLICANTS (IE) NRR, IE  
COMPLETE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

REVISED: 01/81

(TACS: 42060) RESPONSIBLE BRANCH/DIVISION: IE CONTACT: JAMES SHIEZEK (X28098)  
OTHER OFFICE/INDIVIDUAL: NRR/D. G. VASSALLO, L. CROCKER  
PURPOSE AND SCOPE: 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) (1) NRR PROVIDED DRAFT CRITERIA - 7/80 (2) IE WILL MANAGE AN INTEROFFICE TEAM  
TO INSPECT NTOL SITES FROM FEB 80 TO MAY 81. (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.  
ISSUES: NONE

I.B.1.2(2) HAS ALSO BEEN COMPLETED AS PER I.B.1.2(1)

- \* REQUIREMENT ISSUED NUREG'S 0694 AND 0737.
- \* REQUIREMENT ADDRESSED IN EACH NEW OL.
- \* EXCEPTIONS WILL BE HIGHLIGHTED DURING COMMISSION OL REVIEW

I.B.1.2(3) MANAGEMENT FOR OPERATIONS - EVALUATION FOR NTOL APPLICANTS (NRR) NRR,IE

REVISED: 01/81

REQMENT \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
GREEN (TACS: 42060) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS CONTACT: L. CROCKER (X29437)  
OTHER OFFICE/INDIVIDUAL: IE/S. BRYAN

PURPOSE AND SCOPE: 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 AND  
TMI-1. SER INPUT FOR DIABLO CANYON AWAITING FOLLOW-UP INSPECTION. INSPECTION REPORTS ISSUED FOR  
ZION AND INDIAN POINT.

CURRENT STATUS: AWAITING FOLLOW-UP INSPECTION ON DIABLO CANYON

ISSUES: NONE

- \* REQUIREMENT ISSUED NUREG'S 0694 AND 0737.
- \* REQUIREMENT ADDRESSED IN EACH NEW OL.
- \* EXCEPTIONS WILL BE HIGHLIGHTED DURING COMMISSION OL REVIEW



I.B.1.3  
INACTIVE  
GREEN

MANAGEMENT FOR OPERATIONS - LOSS OF SAFETY FUNCTION (SD)

SD,ADM

REVISED: 01/81

(TACS: )

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

RESPONSIBLE BRANCH/DIVISION: SCSB/DES

CONTACT: GUNTER ARNDT (X35997)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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 03/10/80. (CURRENT) TERMINATED

(SEE  
IV.A.2)

ACCOMPLISHMENTS:

CURRENT STATUS: THIS ITEM HAS BEEN TERMINATED IN FAVOR OF THE ENFORCEMENT POLICY ITEM. (IV.A.2)

ISSUES:

I.B.2.1  
COMPLETE

REVISE OF IE INSPECTION PROGRAM (IE)

IE

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -

(TACS: ) RESPONSIBLE BRANCH/DIVISION: ROI/IE

CONTACT: SAMUEL BRYAN (X28019)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: THE NRC 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 OT 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.  
ISSUES:

I.B.2.2  
COMPLETE

RESIDENT INSPECTORS AT OPERATING REACTORS (IE)

IE,ADM

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: DRRRI/IE CONTACT: GERRY KLINGLER (X28019)  
OTHER OFFICE/INDIVIDUAL: IE; REGIONAL DIRECTORS

PURPOSE AND SCOPE: 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: (1) ALL OPERATING SITES MANNED WITH SENIOR RESIDENT OR EQUIVALENT - 06/80 AND BEFORE FUEL LOAD. (2) AS OF THE DUE DATE (09/30/80), 58 OUT OF 59 OPERATING SITES WERE MANNED WITH A TOTAL OF 107 RESIDENTS AND SENIOR RESIDENTS AND 6 EQUIVALENT SENIOR RESIDENTS. ANOTHER 6 RESIDENTS HAD BEEN SELECTED BUT WERE NOT YET REASSIGNED. THERE WERE 10 POSITIONS STILL UNFILLED. AS OF 12/15/80 8 POSITIONS REMAINED UNFILLED.

CURRENT STATUS: COMPLETE - MANNING 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.

ISSUES: COMPLETING TRAINING PROGRAM FOR NEWLY-HIRED RESIDENTS. RELOCATING RESIDENTS AND SENIOR RESIDENTS DURING A PERIOD OF HIGH COST MORTGAGES. MAINTAIN ADEQUATE COMMUNICATIONS BETWEEN REGIONAL OFFICES, RESIDENT OFFICES AND NRC HEADQUARTERS TO FORESTALL ISOLATION AND "CAPTURE".

I.B.2.3  
GREEN

INSPECTIONS AT OPERATING REACTORS - REGIONAL

IE

REVISED: 10/80

EVALUATIONS (IE)

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -

(TACS: NONE)

RESPONSIBLE BRANCH/DIVISION: DPDA/IE

CONTACT: JAMES SNIEZEK (X28098)

OTHER OFFICE/INDIVIDUAL: IE/REGIONAL DIRECTORS

PURPOSE AND SCOPE: 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: EVALUATIONS FOR TEN (10) PLANTS FULLY COMPLETED AND RECEIVED BY IE:HQ IN FY80.

CURRENT STATUS: EVALUATIONS ARE UNDERWAY IN ALL REGIONS. PROCEEDING ON SCHEDULE TO EVALUATE ALL OPERATING PLANTS DURING FY81.

ISSUES: NONE



I.B.2.4  
GREEN

OVERVIEW OF LICENSEE PERFORMANCE (IE)

IE

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: DPDA/IE

CONTACT: NORMAN MOSELEY (X28160)

OTHER OFFICE/INDIVIDUAL: IE/R. WESSMAN

PURPOSE AND SCOPE: 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) SECY PAPER COMMITMENT TO EVALUATE FIRST GROUP IN DEC 1980.

ACCOMPLISHMENTS: CHARTER ISSUED, BOARD APPOINTED, ASSISTANTS STAFFED, FIRST MEETING HELD.

CURRENT STATUS: BOARD MET AND EVALUATED FIRST GROUP IN DEC 1980 AS PROMISED IN SECY PAPER COMMITMENT.

ISSUES: NONE

I.C.1(1)  
REQMENT  
GREEN

SHORT-TERM ACCIDENT ANALYSIS AND PROCEDURES REVISION (NRR)

NRR,ADM,IE

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: PTRB/DHFS

CONTACT: DON BECKHAM (X24958)

OTHER OFFICE/INDIVIDUAL: IE/M. KIDD

PURPOSE AND SCOPE: 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 NTL 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. MEETING WITH COMBUSTION ENGINEERING TO DISCUSS LONG TERM PROGRAM SCHEDULED FOR 1/23/81.

ISSUES: REANALYSIS OF TRANSIENTS AND ACCIDENTS REQUIRED SIGNIFICANTLY MORE EFFORT THAN ORIGINALLY ESTIMATED.

SCHEDULE REVISED TO REFLECT THE ADDITIONAL EFFORT.

I.C.1(2) AND I.C.1(3) STATUS INFORMATION IS INCLUDED WITH I.C.1(1)

REQUIREMENT WAS ISSUED ON 09/13/79; REPORTS DUE BY 01/01/81; NRR IS REVIEWING REPORTS AND WILL ADDRESS THE REQUIREMENT IN AN ORDER TO BE ISSUED IN 02/81; NRR IS ESTABLISHING THE REVIEW SCHEDULE.

I.C.1(4)  
RED

SHORT-TERM ACCIDENT ANALYSIS AND PROCEDURES REVISION (NRR)

NRR,ADM,IE

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI

CONTACT: BRIAN SHERON (X29453)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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 LATE FALL, 1981

ACCOMPLISHMENTS: MEMO ISSUED TO RES ON DEC 19, 1980 IDENTIFYING REQUEST TO PERFORM ANALYSES OF SELECTED  
TRANSIENTS.

CURRENT STATUS: RES ARRANGING FOR ANALYSES TO BE PERFORMED.

ISSUES: RSB T/A FUNDING MAY BE INSUFFICIENT TO PROPERLY COMPLETE THIS TASK.

I.C.2  
COMPLETE

SHIFT AND RELIEF TURNOVER PROCEDURES (NRR)

NRR,IE

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS

CONTACT: FRED ALLENSPACH (X27741)

OTHER OFFICE/INDIVIDUAL: IE/M. KIDD

PURPOSE AND SCOPE: 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: COMPLETED FOR OPERATING REACTORS.

CURRENT STATUS: APPLICANTS FOR OPERATING LICENSES MUST COMPLETE PRIOR TO ISSUANCE OF LICENSE.

ISSUES: NONE



I.C.3  
COMPLETE

SHIFT SUPERVISOR RESPONSIBILITIES (NRR)

NRR,IE

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS

CONTACT: FRED ALLENSPACH (X27741)

OTHER OFFICE/INDIVIDUAL: IE/M. KIDD

PURPOSE AND SCOPE: 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: COMPLETED FOR OPERATING REACTORS.

CURRENT STATUS: APPLICANTS FOR OPERATING LICENSES MUST COMPLETE PRIOR TO ISSUANCE OF LICENSE.

ISSUES: NONE

I.C.4  
COMPLETE

OPERATING PROCEDURES - CONTROL ROOM ACCESS (NRR)

NRR,IE

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS

CONTACT: FRED ALLENSPACH (X27741)

OTHER OFFICE/INDIVIDUAL: IE/M. KIDD

PURPOSE AND SCOPE: 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: COMPLETED FOR OPERATING REACTORS.

CURRENT STATUS: APPLICANTS FOR OPERATING LICENSE MUST COMPLETE PRIOR TO ISSUANCE OF LICENSE.

ISSUES: NONE

I.C.5  
REQMENT  
GREEN

PROCEDURES FOR FEEDBACK OF OPERATING EXPERIENCE (NRR)

NRR,IE

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS

CONTACT: FRED ALLENSPACH (X27741)

OTHER OFFICE/INDIVIDUAL: IE/M. KIDD

PURPOSE AND SCOPE: 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 MUST COMPLETE PRIOR TO ISSUANCE OF LICENSE.

ISSUES: NONE

REQUIREMENT WAS ISSUED ON 05/07/80; LICENSEES TO IMPLEMENT BY 01/01/81;  
NRR TO ISSUE ORDER IN 02/81 TO MAKE ENFORCEABLE; OIE TO VERIFY  
IMPLEMENTATION.

I.C.6  
GREEN

PROCEDURES FOR VERIFICATION OF CORRECT PERFORMANCE  
OF OPERATING ACTIVITIES (NRR)

NRR,IE

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: PTRB/DHFS CONTACT: DON BECKHAM (X24958)

OTHER OFFICE/INDIVIDUAL: SD/T. SCARBROUGH; IE/P. MCKEE

PURPOSE AND SCOPE: 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 REVISION TO BE  
COMPLETED BY 1/1/81.

ACCOMPLISHMENTS: CLARIFICATION OF REQUIREMENT PREPARED BY OSD, NRR, IE REPRESENTATIVES.

CURRENT STATUS: CLARIFICATION, INCLUDING ACCEPTABLE METHOD OF VERIFICATION, ASSEMBLED BY DOL AND ISSUED  
FOR COMMENT ON 09/05/80. COMMENT RESOLUTION COMPLETED. INCLUDED IN NUREG-0737.

ISSUES: NONE

COMMISSION ACTION: COMPLETE

REQUIREMENT WAS ISSUED ON 10/31/80; LICENSEES TO IMPLEMENT BY 01/01/81;  
NRR TO ISSUE ORDER IN 02/81 TO MAKE ENFORCEABLE; OIE TO VERIFY  
IMPLEMENTATION.

I.C.7  
REQMENT  
GREEN

NSSS VENDOR REVIEW OF OPERATING PROCEDURES (NRR)

NRR,IE

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: PTRB/DHFS

CONTACT: DON BECKHAM (X24958)

OTHER OFFICE/INDIVIDUAL: IE/M. KIDD

PURPOSE AND SCOPE: 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)

CURRENT STATUS: PTRB EVALUATING USEFULNESS OF VENDOR REVIEW. WILL ADDRESS VENDOR REVIEW IN GUIDANCE  
DEVELOPED AS INDICATED IN ITEM I.C.9.

ISSUES: NONE

- \* REQUIREMENT ISSUED NUREG'S 0694 AND 0737.
- \* REQUIREMENT ADDRESSED IN EACH NEW OL.
- \* EXCEPTIONS WILL BE HIGHLIGHTED DURING COMMISSION OL REVIEW.



I.C.8  
REQMENT  
GREEN

PILOT MONITORING OF SELECTED EMERGENCY PROCEDURES  
FOR NTOL APPLICANTS (NRR)

NRR,ADM,IE

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: PTRB/DHFS CONTACT: DON BECKHAM (X24958)  
OTHER OFFICE/INDIVIDUAL: IE/D. WESSMAN, RESIDENT INSPECTORS; NRR/T. SPEIS

PURPOSE AND SCOPE: 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.

ACCOMPLISHMENTS: COMPLETED REVIEWS FOR SEQUOYAH AND NORTH ANNA (07/80), SALEM (08/80), FARLEY (10/80),  
SUMMER, LASALLE, AND DIABLO CANYON (12/80). IN PROGRESS FOR SAN ONOFRE, SUSQUEHANNA, ZIMMER, AND  
GRAND GULF.

CURRENT STATUS: EMERGENCY PROCEDURE GUIDELINES FOR WESTINGHOUSE PLANTS FOR SELECTED ACCIDENTS AND  
TRANSIENTS AND GE SYMPTOM ORIENTED GUIDELINES HAVE BEEN REVIEWED TO SUPPORT EMERGENCY PROCEDURE REVIEW.  
B&W AND GE GUIDELINES UNDER REVIEW. PLANT SPECIFIC REVIEWS PROCEEDING CONSISTENT WITH LICENSING SCHEDULE.

ISSUES: AVAILABILITY OF PLANT SPECIFIC EMERGENCY PROCEDURES LIMITS WHEN REVIEWS CAN BEGIN. COMPLETION OF  
COMBUSTION ENGINEERING GUIDELINES LIMITS REVIEW SCHEDULE FOR SAN ONOFRE.

- \* REQUIREMENT ISSUED NUREG'S 0694 AND 0737.
- \* REQUIREMENT ADDRESSED IN EACH NEW OL.
- \* EXCEPTIONS WILL BE HIGHLIGHTED DURING COMMISSION OL REVIEW.

I.C.9 LONG-TERM PLAN FOR UPGRADING OF PROCEDURES (NRR)

NRR,IE,SD,RES

REVISED: 01/81

REQMENT

\*\*COMPLETION DATE > FY81 \*PRIORITY 1

GREEN

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: PTRB/DHFS CONTACT: DON BECKHAM (X24958)

COMMISSION

OTHER OFFICE/INDIVIDUAL: IE/D. WESSMAN; NRR/T. SPEIS

PURPOSE AND SCOPE: TO DEVELOP A LONG-TERM PROGRAM THAT WILL INTEGRATE AND EXPAND ON CURRENT EFFORTS IN WRITING, REVIEWING, AND MONITORING OF PLANT PROCEDURES.

SCHEDULE: (ORIGINAL) PLAN TO BE DEVELOPED BY (07/81). (CURRENT) PLAN TO BE DEVELOPED BY 07/81. IN CONJUNCTION WITH TRANSIENT AND ACCIDENT ANALYSIS REQUIRED IN ITEM I.C.1(3).

ACCOMPLISHMENTS:

CURRENT STATUS: CLARIFICATION LETTER ON SCOPE AND SCHEDULE HAS BEEN PREPARED AND ISSUED FOR COMMENT ON 09/05/80. TO BE INCLUDED IN PACKAGE BEING PREPARED FOR COMMISSION ACTION.

ISSUES: NONE

COMMISSION ACTION: REVIEW

I.D.1(1)  
REQMENT  
YELLOW

CONTROL ROOM DESIGN REVIEWS (NRR)

NRR,ADM,IE

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 1

(TACS: 41024) RESPONSIBLE BRANCH/DIVISION: HFEB/DHFS CONTACT: RICHARD FROELICH (X28442)

OTHER OFFICE/INDIVIDUAL: IE/R. WESSMAN

PURPOSE AND SCOPE: DEVELOP GUIDELINES FOR INDUSTRY REVIEW OF CONTROL ROOM DESIGNS TO ENSURE IMPLEMENTATION OF HUMAN FACTORS, AND DEVELOP ACCEPTANCE CRITERIA FOR THE REVIEW AND CRITIQUE OF INDUSTRY REPORTS OF THEIR DESIGN REVIEWS.

SCHEDULE: (ORIGINAL) INITIATION: FEB. 1980. DRAFT GUIDELINES JULY 1980. FINAL GUIDELINES SEPT. 1980. DRAFT ACCEPTANCE CRITERIA NOV. 1980. FINAL ACCEPTANCE CRITERIA MARCH 1981. (CURRENT) INITIATION: FEB. 1980. DRAFT GUIDELINES AUG. 1980. FINAL GUIDELINES APRIL 1981. DRAFT ACCEPTANCE CRITERIA NOT SCHEDULED. FINAL ACCEPTANCE CRITERIA JULY 1981.

ACCOMPLISHMENTS: DRAFT GUIDELINES PUBLISHED AUGUST 4, 1980. COMMENT PERIOD CLOSED SEPT. 29, 1980. FINAL COMMENTS RECEIVED DEC. 2, 1980.

CURRENT STATUS: ROUGH DRAFT OF FINAL GUIDELINES IS IN PREPARATION.

ISSUES: A SUPPLEMENT TO THE DRAFT GUIDELINES IS IN PREPARATION TO PROVIDE RESPONSE TO COMMENTS, DRAFT MATERIAL (CHECKLISTS, SYSTEMS ANALYSIS) NOT INCLUDED IN THE DRAFT GUIDELINES, AND AN OUTLINE OF STAFF EVALUATION CRITERIA AND REVIEW PROCEDURES FOR UTILITY CONTROL ROOM DESIGN REVIEW REPORTS. ISSUE DATE FOR THE DRAFT SUPPLEMENT IS FEBRUARY 1981.

I.D.1(2) THROUGH I.D.1(5) STATUS INFORMATION IS INCLUDED IN I.D.1(1)

NOTE(1): 01/21/81 UPDATE SUBMITTAL BY NRR INDICATES THAT A REQUIREMENT HAS BEEN DEVELOPED FROM THIS TASK AND IS BEING IMPLEMENTED ON OPERATING REACTORS AND OPERATING LICENSE APPLICATIONS.  
IMPLEMENTATION STATUS ON OR'S WILL BE OBTAINABLE FROM THE OPERATING REACTORS LICENSING ACTIONS TRACKING SYSTEM (ORLATS - IN DEVELOPMENT IN NRR). THE REQUIREMENT FOR OPERATING LICENSE APPLICANTS IS BEING IMPLEMENTED IN THE COURSE OF LICENSE APPLICATION REVIEW AND APPROVAL.  
\*CONTACT FOR OR INFORMATION: DAVE VERELLI (X29795)  
\*CONTACT FOR OL INFORMATION: BOB TEDESCO (X27425)

I P.2 CONTROL ROOM DESIGN - PLANT SAFETY PARAMETER DISPLAY  
REQMENT CONSOLE (NRR)  
GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
COMMISSION(TACS: 41029) RESPONSIBLE BRANCH/DIVISION: HFEB/DHFS

NRR,IE

REVISED: 01/81

CONTACT: LEO BELTRACCHI (X29534)

OTHER OFFICE/INDIVIDUAL: TO BE DETERMINED

PURPOSE AND SCOPE: 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. (NUREG-0737) 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: RESPONSE TO INDUSTRY COMMENTS CONTAINED IN A PAPER TO THE COMMISSIONERS, EMERGENCY RESPONSE FACILITIES (TO BE PUBLISHED JANUARY 1981. FINAL NUREG 0696 ALSO TO BE PUBLISHED IN JANUARY 1981.)

ISSUES: TO BE RESOLVED IN REVISED NUREG 0696

COMMISSION ACTION: REVIEW

NOTE(1): 01/21/81 UPDATE SUBMITTAL BY NRR INDICATES THAT A REQUIREMENT HAS BEEN DEVELOPED FROM THIS TASK AND IS BEING IMPLEMENTED ON OPERATING REACTORS AND OPERATING LICENSE APPLICATIONS.  
IMPLEMENTATION STATUS ON OR'S WILL BE OBTAINABLE FROM THE OPERATING REACTORS LICENSING ACTIONS TRACKING SYSTEM (ORLATS - IN DEVELOPMENT IN NRR). THE REQUIREMENT FOR OPERATING LICENSE APPLICANTS IS BEING IMPLEMENTED IN THE COURSE OF LICENSE APPLICATION REVIEW AND APPROVAL.  
\*CONTACT FOR OR INFORMATION: DAVE VERELLI (X29795)  
\*CONTACT FOR OL INFORMATION: BOB TEDESCO (X27425)

I.D.3  
INACTIVE  
GREEN

CONTROL ROOM DESIGN - SAFETY SYSTEM STATUS MONITORING (NRR)

NRR

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: 41030) RESPONSIBLE BRANCH/DIVISION: HFEB/DHFS CONTACT: SEYMOUR WEISS (X28285)  
OTHER OFFICE/INDIVIDUAL: OSD

PURPOSE AND SCOPE: 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: REVIEWS OF SUBMITTALS PRIOR TO SCHEDULED INITIATION OF NRR EFFORT. OSD REVISION OF REG. GUIDE 1.47.



I.D.4  
GREEN

CONTROL ROOM DESIGN STANDARD (SD)

SD,ADM

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 1

(TACS: 42285) RESPONSIBLE BRANCH/DIVISION: RSSB/SD

CONTACT: ELLIS MERSCHOFF (X35913)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: DEVELOP GUIDANCE ON THE DESIGN OF CONTROL ROOMS TO INCORPORATE HUMAN FACTORS  
CONSIDERATIONS.

SCHEDULE: (ORIGINAL) INITIATION DATE 6/16/80. IEEE STANDARD AVAILABLE 1/7/81. DRAFT GUIDE ISSUE FOR COMMENTS  
7/31/81. (CURRENT) SAME AS ORIGINAL.

ACCOMPLISHMENTS: NONE

CURRENT STATUS: PRELIMINARY RESEARCH

ISSUES: IEEE STANDARDS 566 AND 567 MAY NOT BE ISSUED ON SCHEDULE.

I.D.5(1)  
YELLOW

CONTROL ROOM DESIGN - IMPROVED INSTRUMENTATION RESEARCH (RES)  
(OPERATOR - PROCESS COMMUNICATION)

RES,ADM

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: OSRB/RSR

CONTACT: RAY DI SALVO (X74084)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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 SYS. RECOMMENDATIONS DEVELOPED 10/80. INITIAL ALARM SYS RECOMMENDATION DEVELOPED 02/81.

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, 10/80. A REVIEW OF ALARM UTILIZATION IN TEST REACTORS WAS COMPLETED 06/80.

CURRENT STATUS: ALTERNATIVE METHODS FOR PROCESSING AND DISPLAYING INFORMATION THROUGH CRT TERMINALS ARE BEING EVALUATED DURING LOFT EXPERIMENTS. OPERATOR PREFERENCES ARE BEING NOTED. A REVIEW OF ALARM UTILIZATION IN TWO COMMERCIAL OPERATING REACTORS HAS BEEN PERFORMED AND REPORTS ARE BEING PREPARED.

ISSUES: FOLLOW-ON EFFORTS RELATED TO ALARM UTILIZATION AND PRIORITYIZATION AWAIT A CLEARER ARTICULATION OF NEEDS BY USER OFFICES.

I.D.5(2)  
YELLOW

CONTROL ROOM DESIGN - IMPROVED INSTRUMENTATION RESEARCH (RES)  
(PLANT STATUS AND POST ACCIDENT MONITORING)

RES,ADM

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: OSRB/RSR  
OTHER OFFICE/INDIVIDUAL:

CONTACT: RAY DI SALVO (X74084)

PURPOSE AND SCOPE: 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. INSTR AND ESF STATUS MONITORING NEEDS ARE RECOMMENDED.

SCHEDULE: (ORIGINAL) STATUS MONITORING REQUIREMENTS CONFIRMED 12/80. (CURRENT) PWR INSTRUMENTATION REQ'S. CONFIRMED 08/80 (COMPLETE). ESF STATUS MONITORING REQUIREMENTS CONFIRMED 02/81 BWR INSTRUMENTATION CONFIRMED 04/81.

ACCOMPLISHMENTS: PWR INSTRUMENTATION REQUIREMENTS WERE CONFIRMED AND RESULTS USED AS INPUT TO REVISION OF REG. GUIDE 1.97. RESULTS WERE TRANSMITTED TO NRR & SD VIA RESEARCH INFO LETTER #98, 08/80.

CURRENT STATUS: PRELIMINARY WORK ON ESF STATUS MONITORING REQUIREMENTS IS COMPLETE AND A DRAFT REPORT IS BEING PREPARED. RESULTS SHOULD ASSIST NRR AND SD IN ADDRESSING REVISION AND IMPLEMENTATION OF REG. GUIDE 1.47. BWR ACCIDENT SEQUENCES ARE BEING ANALYZED FOR INSTRUMENTATION REQUIREMENTS. EXTENSION OF THE PROGRAM TO DEVELOP DIANOSTIC ALGORITHMS FOR ADVANCED DISTURBANCE ANALYSIS AND SURVEILLANCE SYSTEMS IS BEING CONSIDERED.

ISSUES: NONE

I.D.5(3)  
YELLOW

CONTROL ROOM DESIGN - IMPROVED INSTRUMENTATION RESEARCH (RES)

RES,ADM

REVISED: 01/81

(ON-LINE REACTOR SURVEILLANCE)

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RES

CONTACT: WILLIAM FARMER (X74272)

OTHER OFFICE/INDIVIDUAL: NRR/R. SATTERFIELD

PURPOSE AND SCOPE: ON LINE REACTOR SURVEILLANCE. A CONTINUOUS ON-LINE MONITORING SYSTEM UTILIZING NOISE

DIAGNOSTIC AND PATTERN RECOGNITION TECHNIQUES IS TO BE INSTALLED AND TESTED AT PWR AND BWR PLANTS.

SCHEDULE: (ORIGINAL) INITIATED MODIFICATION OF SURVEILLANCE EQUIPMENT - 02/80. COMPLETE PATCH PANEL AND

INSTALL AT SEQUOYAH - 06/80. TAKE DATA AT SEQUOYAH THRU - 02/82. (CURRENT) COMPLETE PATCH PANEL AND INSTALL

AT SEQUOYAH - 09/80. TAKE DATA AT SEQUOYAH EXTENDED TO- 06/82. BY SEQUOYAH STARTUP DELAYS BWR

INSTALLATION - 09/82.

ACCOMPLISHMENTS: COMPLETED INSTALLATION AT SEQUOYAH - 9/80. INITIATED TESTING AT SEQUOYAH - 10/80.

CURRENT STATUS: TESTING PROGRESS HAS BEEN DELAYED BY STARTUP PROBLEMS WITH SEQUOYAH PLANT. NEW NRC

DEDICATED SURVEILLANCE SYSTEM BEING PROCURED. DELIVERY AND CHECKOUT EXPECTED BY 5/81.

ISSUES: TELECOM LINK BETWEEN ORNL COMPUTER AND SEQUOYAH SITE INSTALLED - AWAITING TVA HOOKUP. SEQUOYAH

APPROACHING FULL POWER. SIGNATURE DATA BEING ACCUMULATED.

I.D.5(4)  
YELLOW

CONTROL ROOM DESIGN - IMPROVED INSTRUMENTATION RESEARCH (RES)  
(PROCESSING MONITORING INSTRUMENTATION)

RES,ADM

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSR

CONTACT: ANDREW HON (X74260)

OTHER OFFICE/INDIVIDUAL: RSR/Y. HSU; NRR/TAI HUANG

PURPOSE AND SCOPE: 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 - 7/80. COORDINATING WITH NRR TO COINCIDE WITH ACTION PLAN II.F.2. (CURRENT) INFORMATION NOT PROVIDED

ACCOMPLISHMENTS: BUILT AND TESTED HEATED THERMOCOUPLER AND TORSIONAL ULTRASONIC LEVEL PROBE PROTOTYPES.

CURRENT STATUS: 1. PROTYPE TESTING. ORNL AND INEL TESTED TWO TYPES OF HEATED THERMOCOUPLES (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 EMPERIMENTAL FACILITIES. CE'S HTC PROTOTYPE WAS TESTED AT ORNL, WESTINGHOUSE DP SYSTEMS IS BEING INSTALLED AT SEMI-SCALE FOR TESTING DURING FY81. EPRI'S NEUTRON MEASUREMENT SYSTEM WAS TESTED AT LOFT.

ISSUES:



I.D.5(5)  
RED

CONTROL ROOM DESIGN - IMPROVED INSTRUMENTATION RESEARCH (RES)  
(DISTURBANCE ANALYSIS SYSTEMS)

RES.ADM

REVISED: 11/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RES/RSR CONTACT: RAY DI SALVO (X74084)  
OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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: IMPROVED DISPLAY AND DIAGNOSTIC SYSTEM INSTALLED IN LOFT SINCE 02/80 AND HAS BEEN  
USED TO MONITOR REACTOR BEHAVIOR DURING SMALL BREAKS AND TRANSIENTS. NRC STAFF AND CONTRACTORS  
PARTICIPATED IN EPRI & DOE EFFORTS TO ESTABLISH FUNCTIONAL & DESIGN REQUIREMENTS FOR A PROTOTYPE DAS.

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.

ISSUES: NONE

I.D.6  
COMPLETE

CONTROL ROOM DESIGN - TECHNOLOGY TRANSFER CONFERENCE (RES)

RES,ADM

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3

(TACS: 42326) RESPONSIBLE BRANCH/DIVISION: RES

CONTACT: LOUIS RIB (X74320)

OTHER OFFICE/INDIVIDUAL: NRR/L. BELTRACHI, R. DISALVO, S. HANAVER; RES/T.MURLEY

PURPOSE AND SCOPE: 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: FOLLOWUP IS CONTINUING BASED ON PERSONAL CONTACTS MADE AT THE CONFERENCE AND AT

LEAST ONE FOLLOWUP SPECIAL CONFERENCE IS PLANNED FOR THE FUTURE, NAMELY RISK ASSESSMENT.

ISSUES:

I.E.1  
COMPLETE

ESTABLISH OFFICE FOR ANALYSIS AND EVALUATION OF  
OPERATIONAL DATA (AEOD)

AEOD,ADM

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: AEOD

CONTACT: JACK HELTEMES (X29560)

OTHER OFFICE/INDIVIDUAL: AEOD/F. J. HEBDON

PURPOSE AND SCOPE: 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

I.E.2  
COMPLETE

PROGRAM OFFICE - OPERATIONAL DATA EVALUATION (AEOD)

NRR,MPA,RES,NMSS,ADM

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: AEOD

CONTACT: JACK HELTEMES (X29560)

OTHER OFFICE/INDIVIDUAL: NRR/E. ADENSAM; MPA/R. HARTFIELD; RES/R. BERNERO; NMSS/T. CARTER  
AEOD/F. HEBDON

PURPOSE AND SCOPE: 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;  
(CURRENT) MPA OFFICE STAFFING - NO DATE; NRR OFFICE STAFFING - 09/80.

ACCOMPLISHMENTS:

CURRENT STATUS: THE OPERATING EXPERIENCE EVALUATION BRANCH (OEEB) HAS BEEN ESTABLISHED IN NRR/DST TO  
PROVIDE A FOCAL POINT FOR REVIEW OF LICENSED FACILITY OPERATIONAL EXPERIENCES AND FEEDBACK OF SAFETY  
RELATED INFORMATION. OEEB IS DEVELOPING FORMAL STATEMENTS OF THEIR FUNCTIONS AND INTERRELATIONSHIPS  
WITH OTHER ORGANIZATIONS. SYSTEMATIC REVIEW PLANS ARE BEING DEVELOPED TO REVIEW AND ASSESS LICENSEE  
EVENT REPORTS (LER'S) AND COORDINATION OF PERTINENT FINDINGS WITH THE VARIOUS OFFICES INVOLVED IN THE  
INTEGRATED PROGRAM ON OPERATING EXPERIENCE ASSESSMENTS.

ISSUES:

I.E.3  
GREEN

OPERATIONAL SAFETY DATA ANALYSIS (RES)

RES

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: SRR/RES CONTACT: WILLIAM VESELY (X74505)

OTHER OFFICE/INDIVIDUAL: RES/R. DENNIG, J. JOHNSON

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:



I.E.4  
GREEN

COORDINATION OF LICENSEE, INDUSTRY, AND  
REGULATORY PROGRAMS (AEOD)

AEOD

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: AEOD

CONTACT: CARLYLE MICHELSON (X29560)

OTHER OFFICE/INDIVIDUAL: NRR/E. ADENSAM; AEOD/C.HELTEMES, F. HEBDON

PURPOSE AND SCOPE: 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. LICENSE WILL BE REQUIRED TO PROVIDE THE CAPABILITY TO EVALUATE THE OPERATION 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.

(CURRENT) COMPLETE MEMORANDA OF UNDERSTANDING WITH INPO AND NSAC BY 04/26/81.

ACCOMPLISHMENTS: EXTENSIVE DISCUSSIONS HAVE BEEN HELD WITH INPO AND NSAC ON AREAS OF MUTUAL INTEREST.

CURRENT STATUS: WORK CONTINUES ON DEFINING SPECIFIC AREAS OF COOPERATION BETWEEN NRC AND INPO/NSAC.

SPECIFIC AREAS INCLUDE OPERATIONAL DATA COLLECTION, STORAGE, AND RETRIEVAL; AND EVALUATION OF THE RESULTS OF ANALYSES.

ISSUES: NONE

I.E.5 NUCLEAR PLANT RELIABILITY DATA SYSTEM (SD)

SD,AEOD

REVISED: 01/81

GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -

COMMISSION(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: ERIC WEISS (X35913)

OTHER OFFICE/INDIVIDUAL: AEOD/F. HEBDON; RES/R. DENNIG; MPA/R. HARTFIELD

PURPOSE AND SCOPE: DETERMINE IF THERE IS NEED TO MAKE PARTICIPATION IN NPRDS MANDATORY.

(SEE SCHEDULE: (ORIGINAL) PUBLISH ADVANCE NOTICE OF PROPOSED RULEMAKING - 02/80; EVALUATE PUBLIC COMMENTS, DRAFT

I.E.6) 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 80-507 "INTEGRATED OPERATIONAL EXPERIENCE REPORTING SYSTEM" APPROVED BY COMMISSION ON

DEC 22, 1980 AS A CONCEPT. NPRDS WILL NOT BE MADE MANDATORY IN ITS PRESENT FORM BUT WILL BE COMBINED

AND RESTRUCTURED ALONG WITH THE LER SYSTEM INTO THE NEW IOERS.

CURRENT STATUS: NOW INCLUDED IN TASK I.E.6

ISSUES:

COMMISSION ACTION: REVIEW

I.E.6 REPORTING REQUIREMENTS FOR ANALYSIS AND DISSEMINATION  
GREEN OF OPERATING EXPERIENCE (AEOD)  
COMMISSION\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: DIRECTOR

NRR IE,SD,AEOD,MPA,NMSS,ADM REVISED: 11/80

CONTACT: CARLYLE MICHELSON (X29560)

OTHER OFFICE/INDIVIDUAL: NRR/E. ADC/SAM, J. E. KNIGHT; AEOD/C. J. HELTEMES, F. HEBDON

RES/R.DENNIG; IE/E. BLACKWOOD,R. WOODRUFF; SD/E.WEISS; MPA/R. HARTFIELD

PURPOSE AND SCOPE: (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 NOT "SAFETY RELATED."

SCHEDULE: (ORIGINAL) COMPLETE COMMISSION PAPER FOR REVIEW AND APPROVAL - JUNE 1981. (CURRENT) COMMISSION PAPER REQUESTING APPROVAL OF AN INTEGRATED REP. SYS. CONCEPT 11/80. PROPOSED RULE: INTEGRATED REPORTING SYSTEM 06/81. FINAL RULE: INTEGRATED REPORTING SYSTEM 04/82.

ACCOMPLISHMENTS: COMMISSION AFFIRMATION OF SECY 80-507 ENDORSED THE FOLLOWING ACTIONS: (1) DEFER RULEMAKING THAT WOULD MAKE THE NUCLEAR PLANT RELIABILITY DATA SYSTEM (NPRDS) MANDATORY IN ITS PRESENT FORM; (2) DEVELOP FOR COMMISSION REVIEW AND APPROVAL, AN INTEGRATED OPERATIONAL EXPERIENCE REPORTING (IOER) SYSTEM BY COMBINING AND RESTRUCTURING THE NRC LICENSEE EVENT REPORT (LER) SYSTEM AND THE NPRDS; AND (3) DEVELOP FOR COMMISSION REVIEW AND APPROVAL, A PROPOSED RULE AND SUPPORTING GUIDANCE TO IMPLEMENT THE IOER PROGRAM.

CURRENT STATUS: WORK CONTINUES ON DEFINING THE USES FOR OPERATIONAL DATA THAT MUST BE SUPPORTED BY THE SYSTEM. BASED ON THE NEEDS, A RULEMAKING WILL BE INITIATED TO ESTABLISH THE IOER SYSTEM.

ISSUES: NONE

COMMISSION ACTION: APPROVAL OF A PROPOSED RULE AND FINAL RULE TO ESTABLISH THE IOER SYSTEM.

I.E.7  
GREEN

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

IP,ADM,AEOD

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: IP

CONTACT: HOWARD FAULKNER (X27788)

OTHER OFFICE/INDIVIDUAL: LLL/W. WADE; NRR/E. ADENSAM, R. COLMAR

PURPOSE AND SCOPE: 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; EIGHTEEN REPORTS RECEIVED DURING FIRST YEAR OF OPERATION. BILATERAL EXCHANGE AGREEMENTS CONCLUDED WITH FINLAND, MEXICO, AND THE PHILIPPINES DURING 1980.

CURRENT STATUS: AEOD HAS INITIATED A CONTRACT WITH ORNL/NSIC TO DEVELOP A SYSTEMATIC PROGRAM FOR THE COLLECTION, CATALOG, STORAGE, AND ACTRIEVAL OF FOREIGN OPERATING EXPERIENCE.

UPGRADE THE FREQUENCY AND CONTENT OF FOREIGN INCIDENT REPORTS; AND HIGHLIGHT THE MORE SIGNIFICANT INCIDENTS FOR THE NRC STAFF.

ISSUES:

I.E.8  
GREEN

HUMAN ERROR RATE ANALYSIS (RES)

RES

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: SRR

CONTACT: WILLIAM VESELY (X74505)

OTHER OFFICE/INDIVIDUAL: RES/J. JENKINS

PURPOSE AND SCOPE: 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 DRAFT REPORTS 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.

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 MAY BE DELAYED UNTIL SEPTEMBER 1982 TO PERMIT INCORPORATION OF PEER REVIEWS AND EXPERT JUDGMENTS DONE IN FY81 AND RESULTS OF THE IREP (INTERIM REVIEW AND EVALUATION PROGRAM) ANALYSIS OF CALVERT CLIFFS NPP.



I.F.1  
GREEN

QUALITY ASSURANCE - EXPAND QA LIST (SD)

SD,NRR,IE

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RSSB/SD

CONTACT: STEVEN RICHARDSON (X35913)

OTHER OFFICE/INDIVIDUAL: IE/F. NOLAN

PURPOSE AND SCOPE: 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

I.F.2  
INACTIVE  
GREEN

QUALITY ASSURANCE - DEVELOP MORE DETAILED QA CRITERIA (SD)

SD

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY -

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSSB/DES

CONTACT: STEVEN RICHARDSON (X35913)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: SD WILL DEVELOP MORE DETAILED QA CRITERIA FOR DESIGN, CONSTRUCTION, AND OPERATIONS.

SCHEDULE: (ORIGINAL) DECISION GROUP D ITEM. SCHEDULE WILL BE DEVELOPED. (CURRENT) SAME

ACCOMPLISHMENTS:

CURRENT STATUS: ACTION ON TASK NOT YET SCHEDULED.

ISSUES:

I.G.1  
REQMENT  
GREEN

TRAINING REQUIREMENTS - PREOPERATIONAL AND LOW-POWER  
TESTING (NRR)

NRR

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: PTRB/DHFS  
OTHER OFFICE/INDIVIDUAL:

CONTACT: DONALD FISCHER (X28649)

PURPOSE AND SCOPE: 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, SEQUCYAH, AND SALEM.

CURRENT STATUS: CURRENTLY WORKING ON 3 MORE NTOL'S: FARLEY, MCQUIRE, LASALLE, SUMMER & DIABLO CANYON.

ISSUES: ALL NTOL'S COMPLETED THUS FAR HAVE BEEN PWR'S. A PROGRAM HAS BEEN PROPOSED AND IS UNDER  
DEVELOPMENT FOR BWR'S. THE FIRST BWR TO BE EVALUATED IS LASALLE.

- \* REQUIREMENT ISSUED NUREG'S 0694 AND 0737.
- \* REQUIREMENT ADDRESSED IN EACH NEW OL.
- \* EXCEPTIONS WILL BE HIGHLIGHTED DURING COMMISSION OL REVIEW.

I.G.2  
INACTIVE  
GREEN

SCOPE OF TEST PROGRAM - PREOPERATIONAL AND LOW-POWER  
TESTING (NRR)

NRR,IE,SD

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: DHFS/PTRB  
OTHER OFFICE/INDIVIDUAL: IE/R. WESSMAN

CONTACT: DONALD FISCHER (X28649)

PURPOSE AND SCOPE: 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.

ACCOMPLISHMENTS: N/A

CURRENT STATUS: N/A

ISSUES: N/A

IMI ACTION PLAN TRACKING SYSTEM (APTS)

JANUARY 1981 ISSUE

CHAPTER II ACTION ITEMS (RUN DATE: 02/13/81)

SUMMARY OF ACTION ITEMS:

CHAPTER II:	<u>178</u>	(SITING AND DESIGN)	
NRR LEAD :	<u>149</u>	PRIORITY '1' ITEMS :	<u>133</u>
SD LEAD :	<u>5</u>	PRIORITY '1' ITEMS :	<u>0</u>
IE LEAD :	<u>8</u>	PRIORITY '1' ITEMS :	<u>1</u>
RES LEAD :	<u>16</u>	PRIORITY '1' ITEMS :	<u>7</u>
OTHER LEAD :	<u>0</u>	PRIORITY '1' ITEMS :	<u>0</u>

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

COMPLETE :	<u>4</u>	(3,0,1,0,0)
RED ITEMS :	<u>33</u>	(30,1,0,2,0)
YELLOW ITEMS :	<u>58</u>	(47,4,1,6,0)
GREEN ITEMS :	<u>83</u>	(69,0,6,8,0)
TOTAL :	<u>178</u>	(149,5,8,16,0)

PRIORITY '1' ITEMS:	<u>3</u>	(3,0,0,0,0)
PRIORITY '1' ITEMS:	<u>30</u>	(29,0,0,1,0)
PRIORITY '1' ITEMS:	<u>48</u>	(46,0,1,1,0)
PRIORITY '1' ITEMS:	<u>60</u>	(55,0,0,5,0)
TOTAL :	<u>141</u>	(133,0,1,7,0)

*REQMENT :	<u>90</u>	(90,0,0,0,0)
*INACTIVE :	<u>11</u>	(9,0,2,0,0)
*COMMISSION ACTION ITEMS :	<u>7</u>	(3,1,2,1,0)
*NO INFORMATION RECEIVED :	<u>72</u>	(71,0,0,1,0)

PRIORITY '1' ITEMS	<u>86</u>	(86,0,0,0,0)
PRIORITY '1' ITEMS	<u>1</u>	(1,0,0,0,0)
PRIORITY '1' ITEMS	<u>2</u>	(2,0,0,0,0)
PRIORITY '1' ITEMS	<u>71</u>	(71,0,0,0,0)

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

COMMENTS:



02/13/81 (CHAPTER II - SITING AND DESIGN)

II.A.1 SITING POLICY REFORMULATION (NRR) NRR,SD,RES,ADM REVISED: 10/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
COMMISSION(TACS: 5365) RESPONSIBLE BRANCH/DIVISION: SAB CONTACT: JAN NORRIS (X28437)  
OTHER OFFICE/INDIVIDUAL: NRR/L. SOFFER, D. CLEARY, R. BLOND  
PURPOSE AND SCOPE: 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 OSD; PUBLIC FINAL RULE - TO BE ESTABLISHED JOINTLY WITH OSD. (CURRENT) SAME  
ACCOMPLISHMENTS: 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 LABORATORIES (SL) 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 SL AND PAS FOR THE STUDY. SL ENGAGED SAI TO ASSIST IN DATA PROCESSING AND IS PRESENTLY NEGOTIATING AN AGREEMENT WITH DAMES & MOORE TO CONDUCT IMPACT STUDIES.  
CURRENT STATUS: SAME AS ACCOMPLISHMENTS  
ISSUES: NONE TO DATE.  
COMMISSION ACTION: REVIEW

II.A.2  
INACTIVE  
GREEN

SITE EVALUATION OF EXISTING FACILITIES (NRR)

NRR

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: 5365) RESPONSIBLE BRANCH/DIVISION: SAB CONTACT: JAN NORRIS (X28437)

OTHER BRANCHES/INDIVIDUAL: NOT IDENTIFIED YET

PURPOSE AND SCOPE: 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.

(SEE  
II.A.1) SCHEDULE: (ORIGINAL) INITIATION OF STUDY - 08/80; FINAL INPUT FROM TAP II.A.1 - 11/80; STAFF PAPER - 01/81. (CURRENT) SAME

ACCOMPLISHMENTS: WORK SCOPE IS IN PROCESS OF PREPARATION.

CURRENT STATUS: TAP II.A.1 HAS TO BE ESSENTIALLY COMPLETED BEFORE THIS CAN PROCEED. WORK PLANS ARE IN PLANNING STAGES.

ISSUES: NONE TO DATE.

COMMISSION ACTION: REVIEW

II.B.1  
REQMENT  
GREEN

SAFETY REVIEW CONSIDERATION - REACTOR COOLANT

NRR,ADM,IE

REVISED: 01/81

SYSTEM VENTS (NRR)

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: 42202) RESPONSIBLE BRANCH/DIVISION: RSB/DSI

CONTACT: VINCE PANCIERA (X28164)

OTHER OFFICE/INDIVIDUAL: NRR/G. ALBERTHAL

PURPOSE AND SCOPE: TO VENT NONCONDENSIBLE GASES FROM THE REACTOR COOLANT SYSTEM.

SCHEDULE: (ORIGINAL) INSTALL SYSTEM 01/81. (NUREG-0737) SUBMIT DESIGN & ANALYSES 07/81; INSTALL SYSTEM 07/82.

ACCOMPLISHMENTS:

CURRENT STATUS: FINAL CLARIFICATIONS AND SCHEDULES BEING PUBLISHED, AWAITING DESIGN SUBMITTAL.

ISSUES:

- \* NUREG-0737 REQUIREMENT
- \* TO BE IMPLEMENTED BY 07/01/81
- \* LICENSEES HAVE SUBMITTED COMMITMENTS
- \* NRR WILL COMPLETE COMMITMENTS REVIEW BY 05/01/81
- \* ORDERS TO BE ISSUED IN SPRING 1981
- \* IE WILL VERIFY IMPLEMENTATION

II.B.2  
REQMENT  
GREEN

SAFETY REVIEW CONSIDERATION - PLANT SHIELDING TO PROVIDE

NRR, IE, SD, ADM

REVISED: 01/81

POST-ACCIDENT ACCESS TO VITAL AREAS (NRR)

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS:43300) RESPONSIBLE BRANCH/DIVISION: RAB/DSI CONTACT: FRANK SKOPEC (X27895)

OTHER OFFICE/INDIVIDUAL: SD/D. PYATT; NRR/D. COLLINS, P. DIBENDETTO

PURPOSE AND SCOPE: 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. (NUREG-0737) 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: NRR HAS SENT LETTERS TO ALL OPERATING AND NEAR-TERM OPERATING REACTORS REQUIRING AN EVALUATION OF THIS PROBLEM AND MODIFICATIONS BE MADE, USING A "TID 14844" SOURCE TERM. A CONTRACT TO EVALUATE LICENSEE EVALUATIONS IS BEING PREPARED. THE EQUIPMENT PROTECTION ASPECTS OF THIS ACTION WERE SUPERCEDED BY THE COMMISSION MEMORANDUM AND ORDER ON EQUIPMENT QUALIFICATION. A SIGNIFICANT RESEARCH EFFORT IS UNDERWAY AT RES TO INVESTIGATE THE RELEASE OF FISSION PRODUCTS FROM THE REACTOR CORE AND TO ASSESS THE PARTITIONING OF THE FISSION PRODUCTS IN VARIOUS LOCATIONS IN THE NUCLEAR POWER PLANT.

ISSUES: CERTAIN PLANTS HAVE DETERMINED THAT SUBSTANTIAL PLANT MODIFICATIONS ARE NECESSARY USING THE PROPOSED SOURCE TERM AND MAY PROPOSE ALTERNATE ANALYSIS METHODS.

REQUIREMENT WAS ISSUED ON 09/13/79; REPORTS DUE BY 01/01/81; NRR IS REVIEWING REPORTS AND WILL ADDRESS THE REQUIREMENT IN AN ORDER TO BE ISSUED IN 02/81; NRR IS ESTABLISHING THE REVIEW SCHEDULE.

II. B. 3  
REQMENT  
GREEN

SAFETY REVIEW CONSIDERATION - POST-ACCIDENT SAMPLING (NRR)

NRR, IE, SD, ADM

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: CEB/DE CONTACT: PHIL MATTEWS (X28301)

OTHER OFFICE/INDIVIDUAL: NRR/D. COLLINS

PURPOSE AND SCOPE: 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. (NUREG-0737) 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.

ISSUES: THIS WAS TRANSFERRED FROM ETSB/OSI TO CEB/DE IN THE JANUARY UPDATE.

REQUIREMENT WAS ISSUED ON 9/13/79; REPORTS DUE BY 01/01/81; NRR IS  
REVIEWING REPORTS AND WILL ADDRESS THE REQUIREMENT IN AN ORDER TO BE  
ISSUED IN 02/81; NRR IS ESTABLISHING THE REVIEW SCHEDULE.



II.B.4  
REQMENT  
GREEN

SAFETY REVIEW CONSIDERATION - TRAINING TO MITIGATE

NRR,IE

REVISED: 01/81

CORE DAMAGE (NRR)

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: OLB/HFS

CONTACT: JOE MCMILLEN (X27476)

OTHER OFFICE/INDIVIDUAL: IE/S. BRYAN

PURPOSE AND SCOPE: 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 REVIEWS TO BE COMPLETED FEBRUARY 1981.

ACCOMPLISHMENTS: PROGRAMS HAVE BEEN REVIEWED FOR NTOL PLANTS. REVIEWS ARE BEING SCHEDULED.

CURRENT STATUS: PROGRAMS ARE TO BE IN EFFECT AT ALL OPERATING PLANTS APRIL 1981. OL APPLICATIONS WILL

ADDRESS PROGRAMS IN FSAR.

ISSUES: NONE

REQUIREMENT WAS ISSUED ON 03/28/80; REPORTS DUE BY 01/01/81; NRR IS REVIEWING REPORTS AND WILL ADDRESS THE REQUIREMENT IN AN ORDER TO BE ISSUED IN 02/81; NRR IS ESTABLISHING THE REVIEW SCHEDULE.

II.B.5(1)  
GREEN

SAFETY REVIEW CONSIDERATION - RESEARCH ON PHENOMENA  
ASSOCIATED WITH DEGRADED CORE (RES)  
(BEHAVIOR OF SEVERELY DAMAGED CORE - IN-PILE STUDIES)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: DRSR

RES

REVISED: 01/81

CONTACT: MARION PICKLESIMER (X74266)

OTHER OFFICE/INDIVIDUAL: RES/M. SILBERBERG; NRR/W. JOHNSTON

PURPOSE AND SCOPE: DETERMINE CHARACTERISTICS OF FORMATION AND PROPERTIES OF DEBRIS PRODUCED  
BY A DISINTEGRATING LWR CORE DAMAGED BEYOND PRESENT DESIGN BASIS ACCIDENT LIMITS.

SCHEDULE: (ORIGINAL) NOT PROVIDED.

(CURRENT) COMPLETE FIVE SEVERE FUEL DAMAGE TESTS IN BUNDLES 04/85; COMPLETE DATA  
ANALYSES, CHARACTERIZATION OF DEBRIS 09/86; ISSUE TOPICAL REPORTS ON SEVERE FUEL DAMAGE  
TESTS 09/87.

ACCOMPLISHMENTS: 09/80 - CONCEPTUAL TEST DESIGN COMPLETED, CONCEPTUAL 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 UNDERWAY. TEST MATRIX ESTABLISHED FOR  
INITIAL PHASE OF TESTING. EXPERIMENTAL PROGRAM COORDINATED WITH OTHER SEVERE ACCIDENT  
STUDIES IN NRC, PNS/KFK, JAERI.

ISSUES: FUNDS LIMITATIONS SLOW CONDUCT OF TEST MATRIX, EXTEND TIME SCALE OF PROGRAM.  
COMPETING TEST DATA REQUIREMENTS MAKE CONSENSUS ON TEST CONFIGURATION DIFFICULT TO  
OBTAIN. SIMILAR TESTS HAVE NEVER BEEN CONDUCTED BEFORE EXCEPT AT TMI-2. LIMITED  
INFORMATION AVAILABLE FOR PLANNING TEST AND PREDICTING RESULTS.

II.B.5(2)  
YELLOW

SAFETY REVIEW CONSIDERATION - RESEARCH ON PHENOMENA  
ASSOCIATED WITH DEGRADED CORE (RES)

RES

REVISED: 01/81

(BEHAVIOR OF CORE MELT)

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: DRSR

CONTACT: CHARLES KELBER (X74320)

OTHER OFFICE/INDIVIDUAL: AASTR/R. CURTIS; EASTR/M. SILBERBERG; ATP/R. FOULDS

PURPOSE AND SCOPE: 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) FIRST LARGE SCALE POUR OF MOLTEN FUEL 10/81. DRAFT PROGRAM PLAN FOR INTER-OFFICE REVIEW 06/80. NRR REVIEW OF 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 IN PROGRESS - DUE 03/81.

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: DRAFT PROGRAM PLAN REVIEW WILL BE COORDINATED WITH RULEMAKING STEERING GROUP. HIGH TEMPERATURE FISSION PRODUCT RELEASE PROGRAM HAS BEEN INITIATED AND FULLY INSTRUMENTED TEST SERIES ON STEAM EXPLOSIONS IS ON SCHEDULE. APPLICABLE TECHNOLOGY OF LMFBR SAFETY IS BEING RE-ORIENTED TO LWR CORE MELT AREA WITH SCHEDULED EVALUATION OF STATUS OF MARCH 1981, EXPECTED TO CONFORM TO RULEMAKING STEERING GROUP FINDINGS.

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 MARCH TO ALLOW FASTER PACE IN RULEMAKING.

II.B.5(3)  
YELLOW

SAFETY REVIEW CONSIDERATION - RESEARCH ON PHENOMENA  
ASSOCIATED WITH DEGRADED CORE (RES)  
(EFFECT OF HYDROGEN BURNING AND EXPLOSIONS ON CONTAINMENT STRUCTURE)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: EFFECTS OF HYDROGEN BURNING

RES

REVISED:

CONTACT: ROBERT MINOGUE (X74341)

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.B.6  
YELLOW

SAFETY REVIEW CONSIDERATION - RISK REDUCTION FOR OPERATING  
REACTORS IN HIGH-POPULATION DENSITY AREAS (NRR)

NRR,IE,RES

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: )

RESPONSIBLE BRANCH/DIVISION: RSB/DSI CONTACT: JAMES MEYER (X27943)  
OTHER OFFICE/INDIVIDUAL: NRR/S. ISRAEL, T. SPEIS

PURPOSE AND SCOPE: TO DEFINE AND EVALUATE ACCIDENT MITIGATION AND ACCIDENT PREVENTION FEATURES THAT  
WILL SATISFY THE TASK OBJECTIVE, NAMELY THAT OF SIGNIFICANTLY REDUCING RISK FROM DEGRADED CORE  
OR CORE MELT ACCIDENTS AT HIGH POP. SITES. LIMITED TO ZION & INDIAN POINT.

SCHEDULE: (ORIGINAL) DECISION ON DESIGN CRITERIA AND BASES - 07/80. (CURRENT) DECISION ON REQUIREMENT  
FOR FEATURES - 12/80.

ACCOMPLISHMENTS: TECHNOLOGY EXCHANGE (WITH UTILITIES) MEETINGS COMPLETED 06/80.

CURRENT STATUS: STAFF REPORT ON WHETHER FEATURES WILL SIGNIFICANTLY REDUCE RISK, AND IF SO, WHAT ARE  
THE FUNCTIONAL REQUIREMENTS IS IN PREPARATION. REVIEW OF OSP-PAS EVALUATION OF Z/IP IS IN PROGRESS.

ISSUES: UTILITY INPUT (ZION/INDIAN POINT) IN THE FORM OF A FINAL REPORT WILL BE DELAYED FROM 10/80 TO 1/81.



II  
41.B.7  
INACTIVE  
GREEN

SAFETY REVIEW CONSIDERATION - ANALYSIS OF HYDROGEN  
CONTROL (NRR)

NRR,SD

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: 42848) RESPONSIBLE BRANCH/DIVISION: CSB/DSI  
OTHER OFFICE/INDIVIDUAL: RSB/J. LONG

CONTACT: CHARLES TINKLER (X29421)

PURPOSE AND SCOPE: 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.

(SEE SCHEDULE: (ORIGINAL) NO PUBLISHED SCHEDULE. (CURRENT) SAME

II.B.8) 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:

II.B.8

SAFETY REVIEW CONSIDERATION - RULEMAKING PROCEEDING

SD,HRR,ADM,RES

REVISED: 01/81

RED ON DEGRADED-CORE ACCIDENTS (SD)

COMMISSION\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: 42849) RESPONSIBLE BRANCH/DIVISION: R55B/DES

CONTACT: MANUEL MEDEIROS (X35913)

OTHER OFFICE/INDIVIDUAL: NRR/J. MEYER

RES/R. DISALVO; IE/SCHWARTZ

PURPOSE AND SCOPE: 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; EFFECTIVE INTERIM RULE FOR H2 CONTROL, ETC. 03/81; (CURRENT) PROPOSED RULE FOR DEGRADED COOLING - 12/82; EFFECTIVE RULE FOR DEGRADED COOLING - 03/85

ACCOMPLISHMENTS: ADVANCE NOTICE FOR RULEMAKING FOR DEGRADED COOLING AND PROPOSED INTERIM RULE FOR HYDROGEN CONTROL AND CERTAIN DEGRADED CORE CONSIDERATIONS APPROVED FOR PUBLICATION IN THE FEDERAL REGISTER.

CURRENT STATUS: AN ANR FOR DEGRADED COOLING WAS PUBLISHED FOR A 90-DAY PUBLIC COMMENT PERIOD ON 10/02/80. THIS RULEMAKING WOULD CONSIDER THE NEED FOR NUCLEAR POWER PLANT DESIGNS TO BE EVALUATED OVER A RANGE OF DEGRADED CORE COOLING EVENTS WITH RESULTING CORE DAMAGE AND THE NEED FOR DESIGN IMPROVEMENTS TO COPE WITH THESE EVENTS.

ISSUES: THE LONG-TERM DEGRADED CORE COOLING RULEMAKING INVOLVES MANY SIGNIFICANT ISSUES AND PROBLEMS TO BE RESOLVED. THE ANR SOLICITS PUBLIC COMMENTS REGARDING 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

II.C.1  
RED

INTERIM RELIABILITY EVALUATION PROGRAM (IREP) (RES)

RES,ADM

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 1

(TACS: 40013) RESPONSIBLE BRANCH/DIVISION: RES

CONTACT: ROBERT BERNERO (X28528)

OTHER OFFICE/INDIVIDUAL: NRR/S. DAVIS, R. FRAHM, P. O'REILLY, D. LASHER, J. TSAO

PURPOSE AND SCOPE: 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 3), FOLLOWED BY A SCALED-UP STUDY OF SIX 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 IMLEM. 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 IMLEM. OF GENERIC FINDINGS. (CURRENT) (1) PILOT STUDY (CR-3) 05/81, (2) SIX-PLANT STUDY 07/81, (3) REGULATORY EVAL. & RQMTS. FOR IMLEM. OF FINDINGS UNKNOWN, (4) INITIAL DRAFT RECOMMENDATIONS BASED ON FINDINGS 09/81, (5) REGULATORY EVAL. & RQMTS. FOR IMLEM. OF GENERIC FINDINGS 02/82.

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. ARRANGEMENTS MADE FOR ALL FOUR PROJECTS TO START 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.

ISSUES: SIGNIFICANT DEFICIENCIES IDENTIFIED DURING PEER REVIEW MAY REQUIRE MAJOR REVISION OF REPORT DOCUMENTING FINDINGS AND RECOMMENDATIONS OF PILOT STUDY. THIS COULD ADVERSELY IMPACT THE PROJECTED SCHEDULE FOR COMPLETION OF THE PILOT STUDY EFFORT. THIS WILL NOT SIGNIFICANTLY AFFECT THE SCHEDULE OF THE FOUR IREP PHASE II STUDIES.

II.C.2

CONTINUATION OF IREP (RES)

RES

REVISED: 01/81

RED \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
COMMISSION(TACS: 40013) RESPONSIBLE BRANCH/DIVISION: RRAB/DST CONTACT: ASHOK THADANI (X28090)  
OTHER OFFICE/INDIVIDUAL: NONE

PURPOSE AND SCOPE: FOLLOWING COMPLETION OF THE INITIAL IREP (II.C.1), IREP 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) SEE ISSUES.

ACCOMPLISHMENTS: N/A

CURRENT STATUS: N/A

ISSUES: DELAYS HAVE BEEN ENCOUNTERED IN THE COMPLETION OF THE PILOT STUDY (CR-3) AND IN THE INITIATION OF THE SIX-PLANT STUDY, AS IDENTIFIED IN THE SUMMARY FOR ACTION ITEM II.C.1. SINCE PREPARATION OF THE COMMISSION PAPER RECOMMENDING THE APPROACH TO BE USED IN THE CONTINUATION OF THE IREP PROGRAM DEPENDS UPON THE EXPERIENCE OBTAINED DURING THE PILOT STUDY AND THE SIX-PLANT STUDY AND ONGOING NEGOTIATIONS WITH THE INDUSTRY AND TECHNICAL SOCIETIES, THE COMMISSION PAPER MAY BE DELAYED SOMEWHAT.

COMMISSION ACTION: REVIEW

II.C.3  
RED

RISK ASSESSMENT - SYSTEMS INTERACTION (NRR)

NRR, IE, SD, RES, ADM

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 1

(TACS: 42044) RESPONSIBLE BRANCH/DIVISION: SIB/NRR

CONTACT: JOHN STOLZ (X27391)

OTHER OFFICE/INDIVIDUAL: NRR/A. THADANI, K. KNIEL SD/J. NORBERG

PURPOSE AND SCOPE: DEVELOP METHODOLOGY FOR SYSTEMS INTERACTION (SI) ANALYSIS OF LWR'S; AND THE REGULATORY GUIDANCE FOR USE BY STAFF & INDUSTRY IN SI EVALUATIONS 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 4/1/81. REGULATORY GUIDANCE FROM A-17 STUDIES DRAFT BY 12/80; REG. GUIDE BY 6/81. (CURRENT) DIABLO CANYON SEISMICALLY INDUCED SI STUDIES; SER ISSUANCE 10/80; F.P. 3/81 INDIAN POINT 3 SI REVIEW: START 10/80; LICENSEE STUDIES COMPLETE 4/81; SER 9/81 REGULATORY GUIDANCE - (NONE FROM A-17); INTERIM GUIDANCE FROM REG. GUIDANCE DEVELOPMENT TASK; DRAFT 7/81; INTERIM GUIDANCE 10/81.

ACCOMPLISHMENTS: DEVELOP TECH ASSISTANCE PROGRAM THROUGH FY 82 - ISSUED JUNE 80; REVISED 8/12/80. AUTHORIZED TECH ASSISTANCE EFFORT FY 80 ON DIABLO CANYON & STATE-OF-ART ON SI; 7/8/80. ISSUED DIABLO CANYON SI SER-10/80.

ACRS ISSUED FAVORABLE LETTER ON 11/14/80 FOLLOWING ITS REVIEW OF DIABLO CANYON SEISMICALLY INDUCED SI STUDIES; THIS ACTION COMPLETES NRC REVIEW OF THE DIABLO CANYON STUDY.

FINAL STATE-OF-ART STUDY REPORTS SENT TO NRC FROM THREE LABS (LLL, BNL, BCL) DURING FIRST WEEK OF JAN '81.

AUTHORIZED INITIAL TECHNICAL ASSISTANCE FY '81 EFFORT ON "DEVELOPMENT OF SI REGULATORY GUIDANCE TO PHL/BCL & BNL, 11/7/80; AND FY '81 TECHNICAL ASSISTANCE EFFORT ON "INDIAN POINT 3-SI EVALUATION" TO LLL, 11/7/80.

CURRENT STATUS: TECH. ASSISTANCE RFP CONTRACTS FOR FY 81-82 SUBMITTED TO PROGRAM SUPPORT IN 09/80, AWAITING TRANSMITTAL TO LABS - WORK INVOLVES STARTING PILOT SI REVIEWS OF SELECTED LWR PLANTS BY MID CY 1981. PROPOSALS SUBMITTED BY BNL & PNL FOR EFFORT ON "DEVELOPMENT OF SI REG. GUIDANCE," AND BY LLL FOR EFFORT ON "IP #3 SI EVALUATION" DURING 12/80 BEING EVALUATED PRIOR TO AUTHORIZATION OF BALANCE OF FUNDING. AWAITING PASHY'S STUDY PROPOSAL ON IP #3 (SEE ISSUES). INITIATED SEISMICALLY INDUCED SI STUDY ON SAN ONOFRE 2/3; PROGRAM DOCUMENTATION FROM UTILITY DUE TO NRC 1/16/81.

DRAFT SI BRANCH SUMMARY LETTER IN PREPARATION REGARDING PROPOSED NEAR-TERM SI APPROACH TO BE FOLLOWED IN REG. GUIDANCE DEVELOPMENT. (DUE END OF 1/81)

ISSUES: EXPECT DIFFICULTIES ESTABLISHING CONSENSUS REGARDING SI DEFINITIONS & CRITERIA; AND METHODS THAT CAN SYSTEMATICALLY PICK UP ACTUAL OPERATING OCCURRENCES INVOLVING SI. RELATED SANDIA EFFORT ON A-17 NOT PROGRESSING TOWARDS RESOLUTION; FAULT TREE METHODOLOGY NEEDS REVIEW TO DETERMINE FEASIBILITY OF REFLECTING A RANGE OF ACTUAL SI OPERATING OCCURRENCES; PASHY INCURRING MORE THAN 3 MONTHS DELAY IN SUBMITTING SI PROGRAM PROPOSED FOR IP #3 SI STUDY, CAUSED BY PASHY DELAYS IN SELECTING TECH ASSISTANCE CONTRACTOR & PRIORITIES OF OTHER NRC WORK (E.G., IMPLEMENTING LESSONS LEARNED, COMPLETION OF IP #3 RISK STUDY).



II.C.4  
INACTIVE  
GREEN

RISK ASSESSMENT - RELIABILITY ENGINEERING (NRR)

NRR,RES

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RRAB/DST  
OTHER OFFICE/INDIVIDUAL:

CONTACT: ASHOK THADANI (X28090)

PURPOSE AND SCOPE: NRR WILL DEVELOP CRITERIA AND PROCEDURES TO APPLY RELIABILITY ENGINEERING PRACTICES  
TO NUCLEAR PLANT ACTIVITIES ON A COMPREHENSIVE AND CONSISTENT BASIS. ULTIMATELY, RELIABILITY ASSURANCE  
PROGRAM REQUIREMENTS WILL BE PROMULGATED BY SD IN A NEW REGULATORY GUIDE.

SCHEDULE: (ORIGINAL) FY 1982 - SCHEDULE DEPENDENT ON AVAILABILITY OF RESOURCES. (CURRENT) SAME

ACCOMPLISHMENTS: N/A

CURRENT STATUS: N/A

ISSUES: INITIATION OF THIS ACTION ITEM DEPENDS UPON THE AVAILABILITY OF RESOURCES.

II.D.1  
REQMENT  
GREEN

COOLANT SYSTEM VALVES - TESTING REQUIREMENTS (NRR)

REVISED: 10/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: 41068) RESPONSIBLE BRANCH/DIVISION: EPLB, EPPO CONTACT: FRANK PAGANO (X27846)

OTHER OFFICE/INDIVIDUAL: NRR/E. HEMMINGER, R. LAGRANGE

PURPOSE AND SCOPE: APPLICANTS & LICENSEES TO CONDUCT TESTING TO QUALIFY REACTOR COOLANT RELIEF AND SAFETY VALVES 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. (CURRENT) SAME AS ORIGINAL PLUS A REQUIREMENT FOR VERIFICATION OF PWR-PORV BLOCK VALVE FUNCTIONABILITY BY 07/82 HAS BEEN SENT TO D. EISENHUT FOR ISSUANCE TO PWR LICENSEES & NTOL'S.

ACCOMPLISHMENTS: A) REVIEW AND COMMENTS ON GENERIC TESTS PROGRAMS - (PWR'S (EPRI PROGRAM) - 08/80 (NRC-EPRI MEETING) BRW'S (BWR OWNERS) - ESTIMATE 10/80. B) REQUIREMENTS FOR VERIFICATION OF PORV BLOCK VALVE FUNCTIONABILITY AND PLANT SPECIFIC DOCUMENTATION SUBMITTAL DATES FOR SAFETY AND RELIEF VALVES AND ASSOCIATED PIPING WERE SENT TO D. EISENHUT FOR TRANSMITTAL TO LICENSEES AND NTOL'S 8-1-80.

CURRENT STATUS: THE EPRI PROGRAM PLAN FOR TESTING OF PWR SAFETY AND RELIEF VALVES HAS BEEN SUBMITTED AND IS BEING REVIEWED FOR COMMENTS. THESE COMMENTS WILL BE DISCUSSED AND PRESENTED TO EPRI BY THE HRC SAFETY AND RELIEF VALVE REVIEW GROUP DURING A MEETING SCHEDULED FOR AUGUST 12, 1980. THE BWR OWNERS HAVE COMMITTED TO LOW PRESSURE LIQUID TESTING OF SAFETY AND RELIEF VALVES, AND ARE EVALUATING THE NEED FOR HIGH PRESSURE LIQUID AND TWO PHASE FLOW TESTING. THE RESULTS OF THIS EVALUATION WILL BE PRESENTED TO THE NRC SAFETY AND RELIEF VALVE REVIEW GROUP AT A MEETING SCHEDULED FOR AUGUST 27, 1980. IT HAS BEEN AGREED THAT, SHOULD HIGH PRESSURE LIQUID AND TWO PHASE FLOW TESTING BE REQUIRED, IT COULD BE INCORPORATED INTO THE TEST PROGRAM AND COMPLETED BY JULY 1981, PROVIDED THAT THE OWNERS GROUP RECEIVES A FINAL POSITION ON THE NEED FOR SUCH TESTING FROM THE NRC BY NO LATER THAN OCTOBER 1, 1980.

ISSUES: THE PRIMARY PROBLEM AS OF 8/11/80 IS THAT THE SCHEDULE FOR PWR VALVE TESTING APPEARS TIGHT AND COMPLETION BY JULY 1, 1981 IS QUESTIONABLE.

- \* NUREG-0737 REQUIREMENT
- \* TO BE IMPLEMENTED BY 07/01/81
- \* LICENSEES HAVE SUBMITTED COMMITMENTS
- \* NRR WILL COMPLETE COMMITMENTS REVIEW BY 05/01/81
- \* ORDERS TO BE ISSUED IN SPRING 1981
- \* IE WILL VERIFY IMPLEMENTATION

II.D.2  
GREEN

COOLANT SYSTEM VALVES - RESEARCH ON TEST REQUIREMENTS (RES)

RES

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3

(TACS: ) RESPONSIBLE BRANCH/DIVISION: DRSR

CONTACT: MILTON STOLZENBURG (X74272)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: CONTRACT WITH FIRM TO SERVE AS MONITOR FOR INDUSTRY VALVE TEST AND STUDY  
AT EPRI; STUDY ALL POTENTIAL FLUID CONDITIONS THE VALVES MIGHT BE EXPOSED TO.

SCHEDULE: (ORIGINAL) RES WILL FOLLOW INDUSTRY TESTS THROUGH 1981 AND ASSESS THE NEED  
FOR HRC TESTS IN DECEMBER 1980. (CURRENT) SAME

ACCOMPLISHMENTS:

CURRENT STATUS: CONTRACT PLACED WITH EG&G TO FOLLOW EPRI AND INDUSTRY VALVE TESTING PROGRAM.  
ISSUES:

II.D.3  
COMPLETE

COOLANT SYSTEM VALVES - VALVE POSITION INDICATION (NRR)

NRR,IE

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS:42180) RESPONSIBLE BRANCH/DIVISION: ICSB/DSI CONTACT: JACK ROSENTHAL (X29434)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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: RECOMMENDATIONS ARE BEING IMPLEMENTED ON OL'S PRIOR TO POWER OPERATIONS ACCORDING

TO REVIEW SCHEDULES.

ISSUES: SEVERAL LICENSEES ARE HAVING DIFFICULTY DEMONSTRATING ENVIRONMENTAL QUALIFICATION. COMPLETION

OF SOME DEMONSTRATIONS MAY BE DELAYED AS LONG AS ONE YEAR.

NOTE(1): 01/21/81 UPDATE SUBMITTAL BY NRR INDICATES THAT A REQUIREMENT HAS BEEN DEVELOPED FROM THIS TASK AND IS BEING IMPLEMENTED ON OPERATING REACTORS AND OPERATING LICENSE APPLICATIONS.

IMPLEMENTATION STATUS ON OR'S WILL BE OBTAINABLE FROM THE OPERATING REACTORS LICENSING ACTIONS TRACKING SYSTEM (ORLATS - IN DEVELOPMENT IN NRR). THE REQUIREMENT FOR OPERATING LICENSE APPLICANTS IS BEING IMPLEMENTED IN THE COURSE OF LICENSE APPLICATION REVIEW AND APPROVAL.

\*CONTACT FOR OR INFORMATION: DAVE VERELLI (X29795)

\*CONTACT FOR OL INFORMATION: BOB TEDESCO (X27425)

II.E.1.1  
REQMENT  
GREEN

AUXILIARY FEEDWATER SYSTEM EVALUATION (NRR)

NRR,IE,RES

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: ASB/DSI  
OTHER OFFICE/INDIVIDUAL:

CONTACT: OLAN PARR (X27931)

PURPOSE AND SCOPE: 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. (NUREG-0737) OPERATING PLANTS - SHORT TERM -  
06/81 - LONG TERM - 01/82, OPERATING LICENSE APPLICANTS - TO SUPPORT LICENSING.

ACCOMPLISHMENTS: SER EVALUATIONS ISSUED - ZION 1&2, INDIAN POINT 2 (05/80), INDIAN POINT 3, NORTH ANNA 1&2  
(06/80), SEQUOYAH 1&2, SALEM 1&2 (07/80), D. C. COOK, H. B. ROBINSON (08/80). FARLEY 1&2, TROJAN (09/80),  
SURREY 1&2 (10/80), SUMNER 1 (11/80), PALISADES, MAGUIRE 1&2, PRAIRIE ISLAND 1&2, BEAVER VALLEY 1  
(12/80).

CURRENT STATUS: POINT BEACH IS IN DRAFT.

ISSUES: DIABLO CANYON, MCGUIRE AND SAN ONOFRE 2&3 RELIABILITY EVALUATIONS ARE BEING PERFORMED  
BY SANDIA. SCHEDULES ARE TIGHT.

- \* NUREG-0737 REQUIREMENT
- \* TO BE IMPLEMENTED BY 07/01/81
- \* LICENSEFS HAVE SUBMITTED COMMITMENTS
- \* NRR WILL COMPLETE COMMITMENTS REVIEW BY 05/01/81
- \* ORDERS TO BE ISSUED IN SPRING 1981
- \* IE WILL VERIFY IMPLEMENTATION



II.E.1.2  
REQMENT  
GREEN

AUXILIARY FEEDWATER SYSTEM AUTOMATIC INITIATION AND  
FLOW INDICATION (NRR)

NRR

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS:42193)

RESPONSIBLE BRANCH/DIVISION: ICSB/DSI CONTACT: RICK KENDAEL (X29430)

OTHER OFFICE/INDIVIDUAL: NRR/D. THATCHER, W. LEFAVE

PURPOSE AND SCOPE: 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: INCOMPLETE LICENSEE SUBMITTALS.

REQUIREMENT WAS ISSUED ON 09/13/79; REPORTS DUE BY 01/01/81; NRR IS  
REVIEWING REPORTS AND WILL ADDRESS THE REQUIREMENT IN AN ORDER TO BE  
ISSUED IN 02/81; NRR IS ESTABLISHING THE REVIEW SCHEDULE.

II.E.1.3  
GREEN

UPDATE STANDARD REVIEW PLAN AND DEVELOP REGULATORY GUIDE (NRR)

NRR

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY -

(TACS: 40047) RESPONSIBLE BRANCH/DIVISION: ASB/DSI

CONTACT: WILLIAM LEFAVE

(X28298)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: REVISE SRP 10.4.9 TO INCLUDE LESSONS LEARNED RECOMMENDATIONS - B&O TASK FORCE RECOMMENDATIONS.

SCHEDULE: (ORIGINAL) NONE (CURRENT) MARCH 1ST COMPLETION DATE FOR SRP REV. (SAME AS ALL SRP'S) NO SCHEDULE FOR R.G.

ACCOMPLISHMENTS: SUMMARIZED CHANGES TO SRP, FORWARDED TO D. SKOVOLT & LOU RIANI.

CURRENT STATUS: REVISION IN PROGRESS - NOT HIGH PRIORITY SINCE II.E.1.1 AND II.E.1.2 HAVE IMPLEMENTED

REQUIREMENTS FOR OR'S AND OL'S.

ISSUES: NONE AT PRESENT.

II.E.2.1 RELIANCE ON THE EMERGENCY CORE COOLING SYSTEM (ECCS) (NRR) NRR REVISED: 01/81  
INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
GREEN (TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI CONTACT: NORMAN LAUBEN (X27589)  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE: NRP 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) SAME.  
ACCOMPLISHMENTS:  
CURRENT STATUS: DELAYED UNTIL 1982 WHEN RESOURCES SHOULD BECOME AVAILABLE.  
ISSUES:

II.E.2.2(1) RESEARCH ON SMALL BREAK LOCAS AND ANOMALOUS TRANSIENTS (RES)  
GREEN

RES,NRR,ADM

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: LRB/RSR CONTACT: MCPHERSON (X74437)  
OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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 5 LOFT TESTS IN FY1980. COMPLETE 7 LOFT TESTS IN FY 1981.

ACCOMPLISHMENTS: SMALL BREAK LOCA'S - SCALED 4 IN - 11/79; SCALED 1 IN - 2,6, & 9/80. ANOMOLOUS TRANSIENTS - LOSS OF FEEDWATER - 06/80; LOSS OF PC FLOW - 10/80; LOSS OF LOAD - 10/80; EXCESSIVE LOAD INCREASE - 10/80.

CURRENT STATUS: THE PUMPS ON TEST WAS COMPLETED 12/10/80. THAT TEST IS BEING POST-TEST PREDICTED BY THE U.S. PWR VENDORS AS A REQUIRED PROBLEM. PLANS ARE BEING FORMULATED FOR CORE UNCOVERY EXPERIMENTS, CORE D'MAGE TESTS, AND MULTIPLE FAILURE TRANSIENTS. ADVANCED CONTROL ROOM AND DIAGNOSTIC INSTRUMENTATION, ARE BEING USED AS PART OF THE AUGMENTED OPERATOR CAPABILITIES PROGRAM TO ASSESS OPERATOR NEEDS TO MITIGATE THE CONSEQUENCWS OF ACCIDENTS AND TRANSIENTS. RILS ARE BEING PREPARED ON THE AOC PROGRAM AND THE INITIAL SMALL BREAK EXPERIMENTS.

ISSUES: THE EFFECT OF REACTOR COOLANT PUMP OPERATION FOLLOWING A SMALL BREAK LOCA IS BEING STUDIED VIA THE PUMPS OFF TESTS, L3-5, AND THE PUMPS ON TEST, - L3-6. THIS WILL ASSIST NRR IN ASSESSING VENDORS COMPUTER CODES AND PLANT OPERATING PROCEDURES.

II.E.2.2(2) RESEARCH ON SMALL BREAK LOCAS AND ANOMALOUS TRANSIENTS (RES) RES.NRR.ADM  
GREEN (FLECHT-SEASET SYSTEMS EFFECTS TESTS)

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: SERB/RSR CONTACT: ANDREW HON (X74260)  
OTHER OFFICE/INDIVIDUAL: RES/H. SULLIVAN, NRR/W. HODGES  
PURPOSE AND SCOPE: INVESTIGATE THE NATURAL CIRCULATION AND REFLUX CONDENSATION SYSTEM  
BEHAVIOR FOR LONG TERM COOLING.  
\$CHEDULE: (ORIGINAL) NATURAL CIRCULATION TESTS 06/81-08/81 (CURRENT) SAME  
ACCOMPLISHMENTS:  
CURRENT STATUS: TEST FACILITY IS UNDER CONSTRUCTION. TEST MATRIX IS BEING FINALIZED.  
ISSUES: PRIORITY OF PROGRAM IS UNDER REVIEW



II.E.2.2(3) RESEARCH ON SMALL BREAK LOCAS AND ANOMALOUS TRANSIENTS (RES)

YELLOW

RES

REVISED: 01/81

(ANALYTICAL METHODS DEVELOPMENT)

\*\*COMPLETION DATE > FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: ADB/RSR CONTACT: STANISLAV FABIC (X74275)

OTHER OFFICE/INDIVIDUAL: RES/L.SHOTKIN,F. ODAR

PURPOSE AND SCOPE: 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

(CURRENT) COMPLETE TRAC - PF1 - 07/81; COMPLETE TRAC - BDI/MODI - 12/82 (PREVIOUSLY TRAC-BFI)

ACCOMPLISHMENTS:

CURRENT STATUS: WORK INITIATION ON DEVELOPMENT OF THE FAST RUNNING VERSION OF THE TRAC FOR ANALYSIS OF SMALL BREAK LOCAS AND OTHER TRANSIENTS IN PWRs (TRAC-PF1) WAS DELAYED BY 6 MONTHS BECAUSE OF SLIPPAGE IN THE TRAC-PD2 RELEASE SCHEDULE. AN ACCELERATED EFFORT IS CURRENTLY UNDERWAY AT LASL IN DEVELOPMENT OF TRAC-PF1.

ISSUES: DEVELOPMENT OF TRAC-BF1 WILL BE INITIATED AFTER THE COMPLETION AND RELEASE OF TRAC-BD1 (FEB. 1981).

II.E.2.2(4) RES ON SMALL BREAK LOCAS AND ANOMALOUS TRANSIENTS (RES)  
GREEN (SEMISCALE PROGRAM)

REVISED: 12/80

\*\*COMPLETION DATE > FY 81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:

CONTACT: W. C. LYON (X74260)

PURPOSE AND SCOPE:

PROVIDE SYSTEM TEST DATA AND CALCULATION COMPARISONS VIA SEMISCALE FOR SMALL BREAK  
LOCAS AND TRANSIENTS.

SCHEDULE: (ORIGINAL) INITIAL EXPERIMENTS - 5/80; SYSTEM MODIFICATIONS - 6/80-11/80. (CURRENT) SAME  
ACCOMPLISHMENTS: TEST SERIES COMPLETED; SMALL BREAK (1/79), PUMPS ON/OFF (4/80), STATION BLACKOUT (5/80),  
CURRENT STATUS: SYSTEM OPERATIONAL TESTING UNDERWAY. PLAN IS TO CONDUCT FOLLOWING TEST  
SERIES DURING FY81: 10% WITH AND WITHOUT UHI, 2.5% WITH AND WITHOUT UHI (S-SB-2 REPEAT),  
ISSUES: ISSUES BEING ADDRESSED ARE HEAT LOSS, NON-TYPICALITY AND ABILITY TO INSTRUMENT  
FOR LOWFLOWS AND INERT GAS LOCATION.

II.E.2.2(5) RESEARCH ON SMALL BREAK LOCAS AND SMALL BREAK LOCAS  
GREEN TLTA SMALL BREAK TESTS

RES

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: SERB/RSR

CONTACT: W.D. BECKNER (X74260)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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 WILL BE ISSUED FEBRUARY 1981.

ISSUES: AN UPGRADE OF THE FACILITY IS UNDER CONSIDERATION TO IMPROVE SIMULATION CAPABILITY.

II.E.2.2(6) RESEARCH ON SMALL BREAK LOCAS AND ANOMALOUS TRANSIENTS (RES)  
GREEN

REF

REVISED: 01/81

ORNL BLOWDOWN HEAT TRANSFER (BDHT) SEPARATE EFFECTS TESTS

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: LRB/RSR

CONTACT: A.W. SERKIZ (X74437)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: PROVIDE HEAT TRANSFER DATA UNDER HIGH PRESSURE WITH BUNDLE UNCOVERY.  
SCHEDULE: (ORIGINAL) CORE UNCOVERY AND HIGH PRESSURE REFLOOD TESTS - 01/80-08/80.

(CURRENT) SAME

ACCOMPLISHMENTS: TESTING HAS BEEN COMPLETED AND DATA ANALYSIS UNDERWAY. ANALYSIS SHOWS THAT:

A) MODIFIED DITTUS - BOELTER CORRELATION CAN ADEQUATELY PREDICT CONVECTIVE COOLING

B) THERMAL ENERGY ABSORPTION BY STEAM IS SIGNIFICANT AT ELEVATED PRESSURES

C) HIGH RATES (IE 10-12 INCHES/SEC) OR ROD QUENCH ARE NOT SUPPORTED BY DATA BASE.

CURRENT STATUS: CONCLUDING EXPERIEMENTS COMPLETED 11/80; FINAL RESULTS REPORT TO BE ISSUED  
IN FY 1981. PRELIMINARY FINDINGS HAVE BEEN REPORTED TO NRR STAFF.

ISSUES: FINDINGS CAN BE USED TO SUPPORT DEGRADED CORE COOLING RULEMAKING.

II.E.2.3  
INACTIVE  
GREEN

UNCERTAINTIES IN ECCS PERFORMANCE PREDICTIONS (NRR)

NRR,ADM

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI  
OTHER OFFICE/INDIVIDUAL:

CONTACT: NORMAN LAUBEN (X27589)

PURPOSE AND SCOPE: 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) SAME

ACCOMPLISHMENTS:

CURRENT STATUS: DELAYED UNTIL 1982 WHEN RESOURCES SHOULD BECOME AVAILABLE.

ISSUES:



II.E.3.1  
COMPLETE

DECAY HEAT REMOVAL - RELIABILITY OF POWER SUPPLIES  
FOR NATURAL CIRCULATION (NRR)

NRR,IE

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: )

RESPONSIBLE BRANCH/DIVISION: PSB/DSI CONTACT: AL UNGARO (X28024)

OTHER OFFICE/INDIVIDUAL: NRR/R. FITZPATRICK

PURPOSE AND SCOPE: 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: SAME AS CURRENT SCHEDULE.

ISSUES: NONE

II.E.3.2  
YELLOW

DECAY HEAT REMOVAL - SYSTEMS RELIABILITY (NRR)

NRR,RES

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 1

(TACS: 43187) RESPONSIBLE BRANCH/DIVISION: RSB/DSI CONTACT: BRIAN SHERON (X27460)

OTHER OFFICE/INDIVIDUAL: RES/M. TAYLOR; NRR/A. MARCHESE

PURPOSE AND SCOPE: 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.

SCHEDULE: (ORIGINAL) COMPLETE STUDIES 08/82. (CURRENT) DEVELOP CRITERIA FOR DESIGN ACCEPTABILITY 02/80. COMPLETE STUDIES (UNDECIDED).

ACCOMPLISHMENTS: INITIATED WORK ON DEVELOPMENT OF ACCEPTANCE CRITERIA FOR DHR RELIABILITY. INITIATED WORK TO DEFINE DETAILED WORK SCOPE & EFFORT.

CURRENT STATUS: WORK TO ACCOMPLISH ITEMS IDENTIFIED ABOVE ONGOING.

ISSUES: MANPOWER REQUIREMENTS NECESSARY TO COMPLETE WORK ON ORIGINAL SCHEDULE REDUCED AND DIVERTED TO HIGHER PRIORITY LICENSING TASKS. ORIGINALLY ESTIMATED COMPLETION DATE OF 08/82 WILL PROBABLY BE DELAYED.

II.E.3.3  
INACTIVE  
RED

COORDINATED STUDY OF SHUTDOWN HEAT REMOVAL REQUIREMENTS (NRR)

NRR

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: 40042) RESPONSIBLE BRANCH/DIVISION: SPEB/DST

CONTACT: ANDREW MARCHESE (X28230)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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.

SCHEDULE: (ORIGINAL) STUDY TO BE COMPLETED 1/1/81.

(CURRENT) (1) DEVELOP OBJECTIVES IN CONJUNCTION WITH ACRS 11/80; (2) PERFORM RISK ASSESSMENT 7/1/81; (3) STUDY ALTERNATIVE CONCEPTS AND MAKE RECOMMENDATION 12/31/82.

ACCOMPLISHMENTS: EFFORT HAS NOT YET STARTED.

CURRENT STATUS: EFFORT HAS NOT YET STARTED.

ISSUES: NONE IDENTIFIED.

II.E.3.4  
YELLOW

DECAY HEAT REMOVAL - ALTERNATE CONCEPTS RESEARCH (RES)

RES

REVIS:D: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: EAST/ASTR/RES CONTACT: MELVIN SILBERBERG (X74329)  
OTHER OFFICE/INDIVIDUAL: EAST/T. WALKER

PURPOSE AND SCOPE: DETERMINE THE TECHNICAL FEASIBILITY OF BACKFITTING PASSIVE CONTAINMENT COOLING  
DEVICES IN EXEMPLARY CONTAINMENT STRUCTURES SUCH AS INDIAN POINT 3. 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 SELECTED 08/81.

(CURRENT) SAME

ACCOMPLISHMENTS: N/A

CURRENT STATUS: FIRST DRAFT COMPLETED. AGREEMENT IN PRINCIPLE WITH NRR ON TECHNICAL SCOPE AND CONTENT.

ISSUES: INSUFFICIENT STAFF TO COPE WITH PROCUREMENT PROCESS.

II.E.3.5  
YELLOW

DECAY HEAT REMOVAL - REGULATORY GUIDE (SD)

SD

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -

(TACS: ) RESPONSIBLE BRANCH/DIVISION: EMSB/DES  
OTHER OFFICE/INDIVIDUAL: NRR/C. GRAVES

CONTACT: THOMAS SCARBROUGH (X35913)

PURPOSE AND SCOPE: 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: CURRENTLY NRR IS REVIEWING THE IMPLEMENTATION SECTION OF PROPOSED REV. 1 TO REGULATORY GUIDE 1.139 AND THE GUIDE WILL BE ISSUED FOR COMMENT AS SOON AS NRR COMPLETES THE REVIEW.

ISSUES:



II.E.4.1  
REQMENT  
GREEN

CONTAINMENT DESIGN - DEDICATED PENETRATIONS (NRR)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CSB/DSI  
OTHER OFFICE/INDIVIDUAL:

NRR,IE

REVISED: 01/81

CONTACT: MEL FIELDS (X29417)

PURPOSE AND SCOPE: 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: AWAITING LICENSEES' DISCRIPTION OF HOW THE MODIFICATIONS THAT WERE AGREED UPON AT THE LESSONS LEARNED STAGE WERE IMPLEMENTED ON EACH OPERATING PLANT.

ISSUES: NONE

- \* NUREG-0737 REQUIREMENT
- \* TO BE IMPLEMENTED BY 07/01/81
- \* LICENSEES HAVE SUBMITTED COMMITMENTS
- \* NRR WILL COMPLETE COMMITMENTS REVIEW BY 05/01/81
- \* ORDERS TO BE ISSUED IN SPRING 1981
- \* IE WILL VERIFY IMPLEMENTATION

II.E.4.2  
REQMENT  
GREEN

CONTAINMENT DESIGN- ISOLATION DEPENDABILITY (NRR)

NRR,IE,SD,ADM

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: CSB/DSI CONTACT: MEL FIELDS (X29417)

OTHER OFFICE/INDIVIDUAL: NRR/J. SHAPAKER; OSD/T. SCARBROUGH

PURPOSE AND SCOPE: 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.)

ACCOMPLISHMENTS: 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: AWAITING RESPONSE TO NUREG-0737 REQUIREMENTS FROM LICENSEES AND OL APPLICANTS.  
ISSUES:

REQUIREMENT WAS ISSUED ON 10/31/80; LICENSEE TO IMPLEMENT BY 01/01/81;  
REPORTS TO BE SUBMITTED BY 01/01/81; NRR IS EVALUATING REPORTS; NRR TO  
ISSUE ORDER IN 02/81 ADDRESSING PLANT SPECIFIC REQUIREMENTS; OIE TO  
VERIFY IMPLEMENTATION.

II.E.4.3  
INACTIVE  
GREEN

CONTAINMENT DESIGN - INTEGRITY CHECK (NRR)

NRR

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: CSB/DSI CONTACT: JOHN KUDRICK (X29415)

OTHER OFFICE/INDIVIDUAL: NRR/J. SHAPAKER

PURPOSE AND SCOPE: 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.

(CURRENT) SAME

ACCOMPLISHMENTS: STATEMENT OF SAFETY RATIONALE WRITTEN 09/24/80.

CURRENT STATUS: IN THE NRR PRIORITY LISTING OF THE TMI ACTION PLAN ITEMS, ITEM II.E.4.3, IS A LOWER

PRIORITY ITEM AND WILL BE ADDRESSED CONTINGENT ON STAFF MANPOWER AVAILABILITY. SINCE ADMINISTRATIVE  
MEASURES ARE IN PLACE TO ASSURE PROPER VALVE ALIGNMENT, AND SINCE II.E.4.3 DOES NOT STEM DIRECTLY FROM  
THE TMI-2 EXPERIENCE, II.E.4.3 HAS BEEN GIVEN A LOWER PRIORITY RATING AND WILL BE ADDRESSED LATER.

ISSUES: NONE

II.E.4.4(1) CONTAINMENT DESIGN - PURGING (NRR)

NRR

REVISED: 01/81

GREEN

\*\*COMPLETION DATE > FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: CSB/DSI CONTACT: DAVID SHUM (X29414)

OTHER OFFICE/INDIVIDUAL: NRR/J. ZUDANS, W. PASEDAG, J.T. BEARD

PURPOSE AND SCOPE: 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) ISSUE MODIFIED PURGING/VENTING REQUIREMENTS BASED ON RESULTS OF STUDIES BY DECEMBER 1981 AND IMPLEMENT BY DECEMBER 1982. (CURRENT) SAME

ACCOMPLISHMENTS: CONTRACT WITH LLNL INITIATED BY CSB 08/07/80.

CURRENT STATUS: THE CONCERNS OF II.E.4.4 ARE BEING ADDRESSED BY SEVERAL NRR BRANCHES UNDER DOR GENERIC

TASK B-24 (E. A. REEVES, LEAD PROJECT MANAGER): VALVE OPERABILITY (EQB); ELECTRICAL CONTROLS (ORAB); RADIOLOGICAL CONSEQUENCES (AEB); SYSTEM DESIGN AND OPERATIONAL ASPECTS (CSB). ALL OR PLANTS BEING EVALUATED TO ASSURE UNIFORM APPLICATION OF PURGE/VENT CRITERIA, AND THEREBY ACHIEVE IMPROVEMENT IN SAFETY. SIMILAR EFFORT IN CP/OL APPLICATIONS.

ISSUES: POSITION PAPER ON PURGE/VENT SYSTEM USAGE HAS BEEN DEVELOPED BY CSB AND IS BEING REVIEWED BY SPEB.

II.E.4.4(2) AND II.E.4.4(3) STATUS INFORMATION IS INCLUDED IN II.E.4.4(1). BOTH ARE PRIORITY 1 TASKS.



II.E.4.4(4) CONTAINMENT DESIGN - PURGING (NRR)

NRR

REVISED: 01/81

YELLOW

\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: 10778) RESPONSIBLE BRANCH/DIVISION: AEB/DSI  
OTHER OFFICE/INDIVIDUAL:

CONTACT: WALTER PASEDAG (X27193)

PURPOSE AND SCOPE: EVALUATE THE OFF-SITE RADIOLOGICAL CONSEQUENCES OF CONTAINMENT PURGING AND VENTING WHILE THE REACTOR IS PRESSURIZED. RECOMMEND PURGING AND VENTING REQUIREMENTS BASED ON THESE EVALUATIONS.

SCHEDULE: (ORIGINAL) APRIL 1980 (CURRENT) COMPLETE GENERIC EVALUATION BY 01/30/81.

ACCOMPLISHMENTS: CONTRACTOR REPORT HAS BEEN COMPLETED

CURRENT STATUS: EVALUATION OF CONTRACTOR'S CALCULATIONS AND FINDINGS IS IN PROGRESS  
ISSUES:

II.E.4.4(5) CONTAINMENT DESIGN - PURGING (NRR)

NRR

REVISED: 01/81

YELLOW

\*\*COMPLETION DATE > FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: ICSB/DSI CONTACT: DAVID SHUM (X29414)

OTHER OFFICE/INDIVIDUAL: NRR/J. ZUDANS, J.T. BEARD, W. PASEDAG

PURPOSE AND SCOPE: ISSUE MODIFIED PURGING AND VENTING REQUIREMENTS BASED ON RESULTS OF STUDIES FROM THE ABOVE SECTIONS II.E.4.4(1), (2), (3), AND (4).

SCHEDULE: (ORIGINAL) IMPLEMENT BY DECEMBER 1981 (CURRENT) ISSUE MODIFIED REQUIREMENTS BY DECEMBER 1981 AND IMPLEMENT BY DECEMBER 1982.

ACCOMPLISHMENTS: CONTRACT WITH LLNL INITIATED BY CSB 8/7/80

CURRENT STATUS: THE CONCERNS OF PURGING AND VENTING SYSTEM DESIGN ADEQUACY ARE BEING EVALUATED FOR ALL OPERATING PLANTS.

ISSUES: NONE.

II.E.5.1  
YELLOW

DESIGN EVALUATION OF B&W REACTORS (NRR)

NRR

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: 03761) RESPONSIBLE BRANCH/DIVISION: RSB/DSI

CONTACT: WALTON JENSEN (X29459)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: TO REDUCE THE SENSITIVITY OF B&W PLANTS TO FEEDWATER TRANSIENTS, WITH EMPHASIS ON THE OVERCOOLING TRANSIENTS OBSERVED AT B&W PLANTS.

SCHEDULE: (ORIGINAL) RESPONSES RECEIVED & UNDER REVIEW 09/80. (CURRENT) RESPONSES TO BE REVIEWED IN CONCERT WITH II.E.5.2 FOR EVENTUAL IMPLEMENTATION 09/81.

ACCOMPLISHMENTS: RESPONSES TO 10/25/79 ORDERS RECEIVED.

CURRENT STATUS: FURTHER IMPLEMENTATION AWAITING OUTCOME OF STAFF REVIEW OF II.E.5.2.

ISSUES: INSUFFICIENT RESOURCES AVAILABLE INHOUSE. TECHNICAL ASSISTANCE HAS BEEN INITIATED WITH ANL TO PERFORM REVIEW (FIN A2114). CURRENT PROJECTED COMPLETION DATE IS SEPTEMBER 1981.

II.E.5.2  
GREEN

B&W REACTOR TRANSIENT RESPONSE TASK FORCE (NRR)

NRR

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION:

CONTACT: BOB REID (X27381)

OTHER OFFICE/INDIVIDUAL: NRR/R. S. BAER

PURPOSE AND SCOPE: 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. DIVISION OF SAFETY TECHNOLOGY REVIEW 08/80. ISSUE IMPLEMENTATION REQUIREMENTS TO LICENSEES 12/80.

ACCOMPLISHMENTS: SAME AS CURRENT SCHEDULE.

CURRENT STATUS: THE DIVISION OF LICENSING IS PREPARING AN IMPLEMENTATION PACKAGE FOR TRANSMITTAL TO LICENSEES. THE IMPLEMENTATION IS BEING RECONCILED WITH THE IMPLEMENTATION OF ACTION ITEMS OF NUREG-0660 AND OTHER NRC REQUIREMENTS CURRENTLY BEING IMPLEMENTED FOR OPERATING REACTORS. THE REVIEW BY DST EXPANDED CERTAIN OF THE RECOMMENDATIONS TO INCLUDE REACTORS OF OTHER VENDORS INCLUDING BWRs.

ISSUES:

II.E.6  
INACTIVE  
GREEN

IN SITU TESTING OF VALVES - TEST ADEQUACY STUDY (NRR)

HRR

REVISED: 10/80

\*\*COMPLETION DATE > FY81 \*PRIORITY -

(TACS: 42416) RESPONSIBLE BRANCH/DIVISION: EQB/DE

CONTACT: JOHN ZUDANS (X27363)

OTHER OFFICE/INDIVIDUAL: NRR/F. CHERNY

PURPOSE AND SCOPE: PURPOSE OF THIS PROGRAM IS TO ESTABLISH THE ADEQUACY OF CURRENT REQUIREMENTS FOR VALVE TESTING IN PROVIDING ASSURANCE OF VALVE FUNCTIONS. SCOPE WILL BE LIMITED TO SAFETY-RELATED VALVES.

SCHEDULE: (ORIGINAL) INITIATION DATE IS EXPECTED BEGINNING OF FY-81. COMPLETION IS ANTICIPATED END OF FY-82. (CURRENT) SAME

ACCOMPLISHMENTS: NONE

CURRENT STATUS: PROPOSED PLAN IS TO CONTRACT FOR THIS WORK DURING FY 81-82. THE DETAILED SCOPE OF WORK MUST BE DEFINED.

ISSUES: NONE



II.F.1(1)  
REQMENT  
GREEN

ADDITIONAL ACCIDENT MONITORING INSTRUMENTATION (NRR)  
(PARTICULATE AND RADIOIODINE MONITOR)

NRR,IE,ADM

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI CONTACT: PHIL STODDART (X27682)

OTHER OFFICE/INDIVIDUAL: NRR/D. BANGART, B. GAMMILL

PURPOSE AND SCOPE: 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 (NUREG-0737) 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.

ISSUES:

REQUIREMENT WAS ISSUED ON 09/13/79; REPORTS DUE BY 01/01/81; NRR IS  
REVIEWING REPORTS AND WILL ADDRESS THE REQUIREMENT IN AN ORDER TO BE  
ISSUED IN 02/81; NRR IS ESTABLISHING THE REVIEW SCHEDULE.

II.F.1(2)  
REQMENT  
GREEN

ADDITIONAL ACCIDENT MONITORING INSTRUMENTATION (NRR)  
(NOBLE GAS MONITOR)

NRR,IE,ADM

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI CONTACT: PHIL STODDART (X27582)

OTHER OFFICE/INDIVIDUAL: NRR/D. BANGART, W. GAMMILL

PURPOSE AND SCOPE: REQUIRES HIGH RANGE NOBLE GAS EFFLUENT MONITORS TO BE INSTALLED

SCHEDULE: (ORIGINAL) NUREG-0578 PUBLISHED -01/81

(NUREG-0737) COMPLETE INSTALLATION - 01/82.

ACCOMPLISHMENTS: NUMEROUS MEETINGS HAVE BEEN HELD WITH INSTRUMENTATION VENDORS AND UTILITIES  
TO DISSCUSS 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.

ISSUES:

REQUIREMENT WAS ISSUED ON 09/13/79; REPORTS DUE BY 01/01/81; NRR IS  
REVIEWING REPORTS AND WILL ADDRESS THE REQUIREMENT IN AN ORDER TO BE  
ISSUED IN 02/81; NRR IS ESTABLISHING THE REVIEW SCHEDULE.

II.F.1(3)  
REQMENT  
GREEN

ADDITIONAL ACCIDENT MONITORING INSTRUMENTATION (NRR)

NRR,IE,ADM

REVISED: 01/81

(CONTAINMENT RADIATION MONITOR)

\*\*COMPLETION DATE > FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RAB/DSI CONTACT: FRANK SKOPEC (X27895)

OTHER OFFICE/INDIVIDUAL: NRR/D. COLLINS, S. BLOCK, P. STODDARD, B. MORRIS

PURPOSE AND SCOPE: 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: A CONTRACT TO EVALUATE LICENSEES' PROPOSED ALTERNATIVES IS BEING PREPARED.

ISSUES: THERE ARE NO QUALIFIED MONITORS. MONITORS HAVE FAILED QUALIFICATION TESTS AND WILL BE MODIFIED AND RETESTED. LICENSEES ARE PROPOSING TO PLACE MONITORS IN CONTAINMENT PENETRATIONS PROTECTED FROM POST LOCA ENVIRONMENTS BECAUSE THERE ARE NO QUALIFIED MONITORS. PLACEMENT IN PENETRATIONS WOULD SHIELD OUT THE LOW ENERGY GAMMAS FROM XE-133.

- \* NUREG-0737 REQUIREMENT
- \* TO BE IMPLEMENTED BY 01/01/82
- \* LICENSEES HAVE SUBMITTED COMMITMENTS
- \* NRR WILL COMPLETE COMMITMENTS REVIEW BY 05/01/81
- \* ORDERS TO BE ISSUED IN SPRING 1981
- \* IE WILL VERIFY IMPLEMENTATION

II.F.1(4)  
REQMENT  
GREEN

ADDITIONAL ACCIDENT MONITORING INSTRUMENTATION (NRR)

NRR,IE,ADM

REVISED: 01/81

(CONTAINMENT PRESSURE MONITOR)

\*\*COMPLETION DATE > FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: ICSB/DSI

CONTACT: MEL FIELDS (X29417)

OTHER OFFICE/INDIVIDUAL: NRR/W. MORRIS

PURPOSE AND SCOPE: 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. (NUREG-0737) 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: AWAITING RESPONSES FROM LICENSEES AND OL APPLICANTS TO NUREG-0737 REQUIREMENTS.

ISSUES: NONE

- \* NUREG-0737 REQUIREMENT
- \* TO BE IMPLEMENTED BY 01/01/82
- \* LICENSEES HAVE SUBMITTED COMMITMENTS
- \* NRR WILL COMPLETE COMMITMENTS REVIEW BY 05/01/81
- \* ORDERS TO BE ISSUED IN SPRING 1981
- \* IE WILL VERIFY IMPLEMENTATION

II.F.1(5)  
REQMENT  
GREEN

ADDITIONAL ACCIDENT MONITORING INSTRUMENTATION (HRR)  
(CONTAINMENT WATER LEVEL MONITOR)

HRR, IE, ADM

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: JSCB/DSI CONTACT: MEL FIELDS (X29417)  
OTHER OFFICE/INDIVIDUAL: HRR/W. MORRIS

PURPOSE AND SCOPE: 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. (NUREG-0737) 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: AWAITING RESPONSES FROM LICENSEES AND OL APPLICANTS TO NUREG-0737 REQUIREMENTS.  
ISSUES: NONE

- \* NUREG-0737 REQUIREMENT
- \* TO BE IMPLEMENTED BY 01/01/82
- \* LICENSEES HAVE SUBMITTED COMMITMENTS
- \* HRR WILL COMPLETE COMMITMENTS REVIEW BY 05/01/81
- \* ORDERS TO BE ISSUED IN SPRING 1981
- \* IE WILL VERIFY IMPLEMENTATION



II.F.1(6)  
REQMENT  
GREEN

ADDITIONAL ACCIDENT MONITORING INSTRUMENTATION (NRR)  
(CONTAINMENT HYDROGEN MONITOR)

NRR,IE,ADM

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ICSB/DSI CONTACT: JAMES SHAPAKER (X29416)  
OTHER OFFICE/INDIVIDUAL: NRR/W. MORRIS

PURPOSE AND SCOPE: 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. (NUREG-0737) 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: AWAITING RESPONSES FROM LICENSEES AND OL APPLICANTS TO NUREG-0737 REQUIREMENTS.

ISSUES: NONE

- \* NUREG-0737 REQUIREMENT
- \* TO BE IMPLEMENTED BY 01/01/82
- \* LICENSEES HAVE SUBMITTED COMMITMENTS
- \* NRR WILL COMPLETE COMMITMENTS REVIEW BY 05/01/81
- \* ORDERS TO BE ISSUED IN SPRING 1981
- \* IE WILL VERIFY IMPLEMENTATION

II.F.2

IDENTIFICATION OF AND RECOVERY FROM CONDITIONS LEADING

TO INADEQUATE CORE COOLING (NRR)

GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 1

COMMISSION(TACS:42028)

RESPONSIBLE BRANCH/DIVISION: CPB/DSI

CONTACT: LARRY PHILLIPS (X27140)

OTHER OFFICE/INDIVIDUAL: NRR/T. HUANG, B. MORRIS, B. SHERON

NRR,IE

REVISED: 01/81

PURPOSE AND SCOPE: TO ASSURE ADEQUACY OF SYSTEMS AND METHODS TO IDENTIFY AND PROVIDE RECOVERY FROM CONDITIONS LEADING TO INADEQUATE CORE COOLING.

SCHEDULE: (ORIGINAL) NOT PROVIDED (NUREG-0737) 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 NRP 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 NSSS VENDORS HAVE NOT PROPOSED THE REACTOR VESSEL WATER LEVEL MEASUREMENT SYSTEMS. SOME PROPOSED REACTOR VESSEL WATER LEVEL INSTRUMENTS ARE BEING PREPARED FOR TESTS. TMI-1 RESTART HEARING; MET ED IS CONTESTING.

COMMISSION ACTION: REVIEW

REQUIREMENT WAS ISSUED ON 09/13/79; REPORTS DUE BY 01/01/81; NRR IS REVIEWING REPORTS AND WILL ADDRESS THE REQUIREMENT IN AN ORDER TO BE ISSUED IN 02/81; NRR IS ESTABLISHING THE REVIEW SCHEDULE.

II.F.3  
REQMENT  
YELLOW

INSTRUMENTATION FOR MONITORING ACCIDENT

CONDITIONS (REG. GUIDE 1.97) (SD)

NRR,SD,IE

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: RSSB/DES CONTACT: ALAN HINTZE (X35913)

OTHER OFFICE/INDIVIDUAL: NRR/J. ROSENTHAL

PURPOSE AND SCOPE: 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:

CURRENT STATUS: WAS REVIEWED BY ACRS 08/06 & 08/07/80. WAS REFERRED BACK TO STAFF TO REFORMAT GUIDE AND TO TRY TO OBTAIN MORE COMPLETE INDUSTRY AGREEMENT ON SCOPE AND TECHNICAL APPROACH. PLANT SPECIFIC GUIDANCE WILL BE PROVIDED AS REQUESTED BY LICENSEES THROUGHOUT FY81.

ISSUE: 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.

II.F.4  
INACTIVE  
GREEN

STUDY OF CONTROL AND PROTECTION ACTION DESIGN REQUIREMENTS (NRR) NRR

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 3  
(TACS:43286) RESPONSIBLE BRANCH/DIVISION: ICSB/DSI CONTACT: ERNIE ROSSI (X29431)  
OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: TO ADDRESS THREE SPECIFIC RECOMMENDATIONS RELATED TO CONTROL  
AND PROTECTION OF SYSTEM DESIGNS. RECOMMENDATIONS WERE MADE BY SPECIAL INQUIRY GROUP.

SCHEDULE: (ORIGINAL) UNSPECIFIED. (CURRENT) INITIATE JAN.1982, COMPLETE JAN.1983

ACCOMPLISHMENTS: NONE

CURRENT STATUS: NO WORK HAS BEEN INITIATED. PRESENTLY NO MANPOWER IS AVAILABLE TO BEGIN THE TASK.

ISSUES: NONE IDENTIFIED.

II.F.5  
YELLOW

CLASSIFICATION OF INSTRUMENTATION, CONTROL,  
AND ELECTRICAL EQUIPMENT (SD)

SD

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: R55B/DES

CONTACT: ERIC WEISS (X35913)

OTHER OFFICE/INDIVIDUAL: NRR/C. ROSSI

PURPOSE AND SCOPE: 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 1981.

ACCOMPLISHMENTS: DRAFT OF P-827 REVIEWED BY THE IEEE NUCLEAR POWER ENGINEERING COMMITTEE (NPEC)

CURRENT STATUS: NPEC REVIEW RESULTED IN STANDARD RETURNED TO WORK GROUP FOR IMPROVEMENT NEXT MEETING 1/81.

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.



II.G.1  
COMPLETE

POWER SUPPLIES FOR PRESSURIZER RELIEF VALVES, BLOCK  
VALVES, AND LEVEL INDICATIONS (NRR)

NRR,IE

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: PSB/DSI CONTACT: ROBERT FITZPATRICK (X28350)  
OTHER OFFICE/INDIVIDUAL: IE/M. KIDD; NRR/A. UNGARO  
PURPOSE AND SCOPE: 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: SAME AS CURRENT SCHEDULES.  
ISSUES: NONE

II.H.1 MAINTAIN SAFETY OF TMI-2 AND MINIMIZE ENVIRONMENTAL IMPACT (NRR) NRR,IE REVISED: 01/81

GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY 1  
COMMISSION(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:

CONTACT: BERNIE SNYDER (X27347)

PURPOSE AND SCOPE: 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) ISSUE A FINAL PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT TO COMMISSION FOR REVIEW - 02/81.

ACCOMPLISHMENTS: ISSUED THE DRAFT PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT ON AUGUST 22, 1980.

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.

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: REVIEW EIS

II.H.2  
YELLOW

OBTAIN TECHNICAL DATA ON THE CONDITIONS INSIDE THE  
TMI-2 CONTAINMENT STRUCTURE (RES)

RES

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: ASTR/RES CONTACT: RON FOULDS (X74323)

OTHER OFFICE/INDIVIDUAL: IE/M. KIDD HRR/B. SNYDER

PURPOSE AND SCOPE: 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) SAME

ACCOMPLISHMENTS: A RADIATION MONITOR WAS REMOVED (08/15/80) FROM CONTAINMENT AND HAS BEEN SENT TO SANDIA FOR EVALUATION. A SEMINAR EXPLAINING THE PROGRAMS TO PROSPECTIVE INTERNATIONAL PARTICIPANTS WAS HELD NOV 21-22.

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.

II.H.3  
GREEN

EVALUATE AND FEEDBACK INFORMATION OBTAINED FROM TMI (NRR)

NRR

REVISED: 10/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: SAFER  
OTHER OFFICE/INDIVIDUAL:

CONTACT: BERNIE SNYDER (X27347)

PURPOSE AND SCOPE: NRR WILL EVALUATE THE RESEARCH AND ANALYSIS RESULTS FROM TMI CLEANUP PROGRAMS FOR SAFETY SIGNIFICANCE, REVISE REGULATORY PROGRAMS AS APPROPRIATE, ESTABLISH BACKFITTING AND 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 GOALS WILL BE MET AS CLEANUP AND EVALUATION OF TECHNICAL DATA PROCEED BETWEEN 1980 TO 1985.

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), AND (3) ACCOMPLISHED MAN ENTRIES INTO THE TMI-2 REACTOR BUILDING (07/80, 9/80, 10/80, 12/80).

CURRENT STATUS: THE CLEANUP AND RECOVERY OPERATIONS ARE CURRENTLY IN PROGRESS. THE DRAFT PROGRAMMATIC ENVIRONMENTAL IMPACT STATEMENT WAS ISSUED FOR PUBLIC COMMENT ON AUGUST 22, 1980 AND COMMENT PERIOD ENDED ON NOVEMBER 20, 1980.

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.

II.H.4(1)  
YELLOW

DETERMINE IMPACT OF TMI ON SOCIOECONOMIC  
AND REAL PROPERTY VALUES (RES)

RES

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3

(TACS: 42426) RESPONSIBLE BRANCH/DIVISION: EER/SAFER CONTACT: CLARK PRICHARD (X74358)

OTHER OFFICE/INDIVIDUAL: NRR/M. KALTMAN

PURPOSE AND SCOPE: 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) SAME

ACCOMPLISHMENTS: CONTRACT SIGNED 04/80. ALL PROPERTIES INSPECTED 06/80. AVAILABLE DATA SCREENED 05/80.  
CONTROL AREA SELECTED 05/80.

CURRENT STATUS: RESEARCH PROGRESS IS ON SCHEDULE. COMPLETION IS EXPECTED 01/01/81. THE FINAL  
RESULTS WILL BE PUBLISHED AS A NUREG.

ISSUES: NONE



II.H.4(2)  
GREEN

POST-LICENSING STUDIES OF THE SOCIOECONOMIC IMPACTS OF NUCLEAR POWER PLANT SITING  
AND REAL PROPERTY VALUES (RES)

REVISED: 01/81

RES

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: 42426) RESPONSIBLE BRANCH/DIVISION: SAB

CONTACT: MICHAEL KALTMAN (X28595)

OTHER OFFICE/INDIVIDUAL: NONE

PURPOSE AND SCOPE: 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) SAME

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 TO DATE (NUREG/CR-1215 - 01/80)

CURRENT STATUS: PROJECT IS ON SCHEDULE. CURRENT EFFORTS ARE FOCUSED ON REPORT PRODUCTION.

ISSUES: NONE

II.J.1.1  
GREEN

ESTABLISH A PRIORITY SYSTEM FOR CONDUCTING VENDOR INSPECTIONS (IE) IE

REVISED: 10/80

\*\*COMPLETION DATE > FY81 \*PRIORITY -

(TACS: NONE ) RESPONSIBLE BRANCH/DIVISION: DRRRI/IE CONTACT: WAYNE REINMUTH (X27551)

OTHER OFFICE/INDIVIDUAL: IE/J. SNIEZEK: REGION IV/U. POTAPOVS

PURPOSE AND SCOPE: 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

CURRENT STATUS: CONTRACTOR TO PROPOSE SYSTEM (6/81).

ISSUES: NONE

II.J.1.2  
GREEN

MODIFY EXISTING VENDOR INSPECTION PROGRAM (IE)

IE

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -

(TACS: NONE ) RESPONSIBLE BRANCH/DIVISION: DPDA/IE CONTACT: SAMUEL BRYAN (X28180)

OTHER OFFICE/INDIVIDUAL: IE/J. C. GLYNN, REGION IV/U. POTAPOVS

PURPOSE AND SCOPE: 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.

CURRENT STATUS: TO ISSUE EIGHT MORE PROCEDURES APRIL 1981.

ISSUES: NONE

II.J.1.3 INCREASE REGULATORY CONTROL OVER PRESENT NONLICENSEES (IE)

IE

REVISED: 01/81

INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY -

COMMISSION(TACS: NONE ) RESPONSIBLE BRANCH/DIVISION: RCI/IE CONTACT: NORMAN MOSELEY (X28160)

GREEN OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG

PURPOSE AND SCOPE: 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: TO PRESENT COMMISSION PAPER IN NOV. 1982. THIS WILL FOLLOW REVISIONS TO 10 CFR 21 IN  
LATE 1981 (ITEM II.J.4)

ISSUES: REVISIONS TO PART 21 ALLOWING ENHANCED ENFORCEMENT MAY RESULT IN MORE EFFECTIVE CONTROL OVER  
ACTIVITIES OF NON-LICENSEES WHICH MAY NEGATE NEED OR DESIRABILITY OF DIRECT LICENSING.

COMMISSION ACTION: REVIEW PAPER AND MAKE A DECISION IN 1983.

II.J.1.4 ASSIGN RESIDENT INSPECTORS TO REACTOR VENDORS

INACTIVE AND ARCHITECT-ENGINEERS (IE)

IE

REVISED: 01/81

COMMISSION\*\*COMPLETION DATE > FY81 \*PRIORITY -

GREEN (TACS: NONE ) RESPONSIBLE BRANCH/DIVISION: DRRRI/IE CONTACT: WAYNE REINMUTH (X27551)

OTHER OFFICE/INDIVIDUAL: IE/REGION IV/U. POTAPOVS

PURPOSE AND SCOPE: 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: TO PRESENT COMMISSION PAPER OCT. 1981

ISSUES: BUDGET PRESSURES HAVE ELIMINATED RESOURCES FROM FY82 BUDGET, BUT A LIMITED TRIAL PROGRAM IN FY82 MIGHT BE POSSIBLE.

COMMISSION ACTION: TO REVIEW COMMISSION PAPER AND DECIDE LATE 1981.



II.J.2.1  
COMPLETE

REORIENT CONSTRUCTION INSPECTION PROGRAM (IE)  
COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: NONE ) RESPONSIBLE BRANCH/DIVISION: DPDA/IE  
OTHER OFFICE/INDIVIDUAL: IE

IE

REVISED: 01/81

CONTACT: SAMUEL BRYAN (X28180)

PURPOSE AND SCOPE: 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. IN ADDITION, A TRIAL PROGRAM INVOLVING TEAM INSPECTIONS IS TO BE COMPLETED  
IN JUNE 1981.

ISSUES:

II.J.2.2  
GREEN

INCREASE EMPHASIS ON INDEPENDENT MEASUREMENT IN  
CONSTRUCTION INSPECTION PROGRAM (IE)

IE

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 3

(TACS: NONE ) RESPONSIBLE BRANCH/DIVISION: DRRRI/IE CONTACT: WAYNE REINMUTH (X27551)

OTHER OFFICE/INDIVIDUAL: IE/H. D. THORNBURG, W. LAUDAN, W. R. RUTHERFORD; REGION I/R. CARLSON

PURPOSE AND SCOPE: 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 DELIVERED.

CURRENT STATUS: (1) BUYING FIRST VAN IN FY80 - COMPLETED. (2) EVALUATING FRANKLIN IN FY80 - COMPLETED. (3) EVALUATION OF PROGRAM AND STAFFING OF NRC VAN - THE CONTRACTOR WORK IS PROCEEDING ON A TIMELY BASIS BUT THE NRC VAN IS NOT STAFFED AND THAT WORK IS NOT PROCEEDING.

ISSUES: NOT BEHIND SCHEDULE SINCE PRIORITY 3 ALLOWS UP TO TWO YEARS TO INITIATE ACTION; HOWEVER, DUE TO BUDGET PRESSURE, NRC VAN IS NOT FULLY STAFFED. CANNOT COMPLETE PROGRAM BY SEPT. 1981 (IE INITIAL TARGET) WITH CURRENT RESOURCES. IE TO RECONSIDER OPTIONS IN EARLY 1981 AND DECIDE ON ONE OR A COMBINATION OF THE FOLLOWING: SLIP SCHEDULE ALLOCATE MORE PEOPLE; UTILIZE CONTRACTOR; REDUCE SCOPE.

II.J.2.3  
GREEN

ASSIGN RESIDENT INSPECTORS TO ALL CONSTRUCTION SITES (IE)

IE

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY -

(TACS: NONE ) RESPONSIBLE BRANCH/DIVISION: DRRRI/IE CONTACT: GERRY KLINGLER (X28019)

OTHER OFFICE/INDIVIDUAL: IE

PURPOSE AND SCOPE: 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:

CURRENT STATUS: 18 CONSTRUCTION RESIDENT INSPECTORS ON-SITE. TO HAVE 24 ON-SITE BY 10/81. TO HAVE 32 ON-SITE BY 10/82.

ISSUES:

II.J.3.1  
GREEN

ORGANIZATION AND STAFFING TO OVERSEE DESIGN AND CONSTRUCTION (NRR) NRR

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: 42061) RESPONSIBLE BRANCH/DIVISION: LQB/DHFS CONTACT: JAMES SNELL (X28986)

OTHER OFFICE/INDIVIDUAL: IE/W. REINMUTH, SD/H. ASHAR

PURPOSE AND SCOPE: 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). SD TO ISSUE REG. GUIDE FOR COMMENT BY 03/81 AND FINAL BY 08/81. (CURRENT) SD TO ISSUE A REGULATORY GUIDE FOR COMMENT BY 7/1/81.

ACCOMPLISHMENTS: NRR FIRST DRAFT PREPARED AND SENT TO SD 10/80.  
CURRENT STATUS: SD PREPARED WORKING PAPER 1 TO REGULATORY GUIDE  
ISSUES: TO AVOID OR MINIMIZE MAKING GUIDANCE PRESCRIPTIVE.

II.J.3.2  
YELLOW

MANAGEMENT FOR DESIGN AND CONSTRUCTION - ISSUE REG. GUIDE (SD)

SD,ADM

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 3

(TACS: 42061) RESPONSIBLE BRANCH/DIVISION: SCSB

CONTACT: HANS ASHAR (X35997)

OTHER OFFICE/INDIVIDUAL: NRR/J. SNELL

PURPOSE AND SCOPE: DEVELOP CRITERIA TO IMPROVE LICENSE APPLICANTS' OVERSIGHT OF DESIGN, CONSTRUCTION AND MODIFICATION ACTIVITIES.

(SEE SCHEDULE: (ORIGINAL) CRITERIA - FOLLOW SCHEDULE I.B.1.1, PARTS (1)-(5). SD TO ISSUE REG. GUIDE FOR I.B.1.1) COMMENT BY 03/81 AND FINAL BY 08/81. (CURRENT) PROVIDE SD WITH DRAFT MATERIAL 10/80. SD TO

ISSUE REG. GUIDE FOR COMMENT BY 07/81 AND FINAL 01/82.

ACCOMPLISHMENTS: WORKING ON I.B.1.1 FIRST. NO SPECIFIC ACCOMPLISHMENTS FOR THIS TASK.

CURRENT STATUS: CONSIDERING HOW TO EXPAND I.B.1.1 TO INCLUDE CRITERIA FOR DESIGN AND CONSTRUCTION ACTIVITIES.

ISSUES: NEED TO COMPLETE ACCEPTABLE DRAFT OF I.B.1.1 WHICH II.J.3.2 IS DEPENDENT ON.



II.J.4.1  
YELLOW

REVISE DEFICIENCY REPORTING REQUIREMENTS (IE)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: NONE ) RESPONSIBLE BRANCH/DIVISION: DPDA/IE  
OTHER OFFICE/INDIVIDUAL:

IE,SD

REVISED: 01/81

CONTACT: GEORGE GOWER (X27246)

PURPOSE AND SCOPE: NRC WILL IMPROVE, AS NECESSARY, THE REPORTING REQUIREMENTS OF 10 CFR 50.55E AND 10 CFR 21 TO ASSURE THAT ALL REPORTABLE ITEMS ARE REPORTED PROMPTLY AND COMPLETELY. IMPROVMENTS ARE TO BE IMPLEMENTED BY RULE CHANGE AND COORDINATED WITH TASK I.E.6.

SCHEDULE: (ORIGINAL) (1) IE SUBMIT RECOMMENDED 50.55(E) CHANGES TO SD 04/80; (2) SD ISSUE FOR COMMENT 50.55(E) RULE CHANGES 04/81; (3) IE SUBMIT RECOMMENDED PART 21 CHANGES TO SD 8/80. (4) SD REVISE 10 CFR 21 ON A SCHEDULE CONSISTENT WITH ANY NEEDED LEGISLATION. (CURRENT) SAME

ACCOMPLISHMENTS:

CURRENT STATUS: (1) RECOMMENDATIONS COMPLETED ON SCHEDULE. (2) OSD SUBMITTED DRAFT TO IE 11/12/80 (SD IS WAITING FOR R (3) RECOMMENDATIONS COMPLETED TWO MONTHS LATE. (4) OSD MAY HAVE PROBLEMS ISSUING IN A TIMELY MANNER.

ISSUES: ON ITEM (2), IE IS WORKING WITH SD TO EXPEDITE PROCESS OF ISSUING PROPOSED 10 CFR 50.55E CHANGES FOR COMMENT. ON ITEM (4), LITTLE PROGRESS HAS BEEN MADE. IE IS WORKING WITH SD TO EXPEDITE ISSUANCE.

II.K.1(1)  
REQMENT  
RED

MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF  
FEEDWATER ACCIDENTS - IE BULLETINS (NRR)  
(REVIEW TMI-2 PH'S AND DETAILED CHRONOLGY OF THE TMI-2 ACCIDENT)

NRR

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: ORB/DSI CONTACT: BOB REID (X27381)  
OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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: COMPLETION OF REVIEW OF RESPONSES TO BULLETINS HAS BEEN DELAYED BY HIGH PRIORITY  
EFFORTS.

ISSUES:

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81

II.K.1(2)  
REQMENT  
RED?

MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF  
FEEDWATER ACCIDENTS - IE BULLETINS (NRR)  
(REVIEW TRANSIENTS SIMILAR TO TMI-2)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

HRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81

II.K.1(3)  
REQMENT  
RED?

MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF  
FEEDWATER ACCIDENTS - IE BULLETINS (NRR)  
(REVIEW OPERATING PROCEDURES)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81

II.K.1(4)  
REQMENT  
RED?

MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF  
FEEDWATER ACCIDENTS - IE BULLETINS (HRR)  
(REVIEW OPERATING PROCEDURE AND TRAINING INSTRUCTIONS)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

HRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81



II.K.1(5)  
REQMENT  
RED?

MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF  
FEEDWATER ACCIDENTS - IE BULLETINS (NRR)  
(SAFETY-RELATED VALVE POSITION)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81

II.K.1(6)  
REQMENT  
RED?

MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF  
FEEDWATER ACCIDENTS - IE BULLETINS (NRR)  
(REVIEW CONTAINMENT ISOLATION INITIATION DESIGN AND PROCEDURES)

NRR

REVISED:

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:

CONTACT:

OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81

II.K.1(7)  
REQMENT  
RED?

MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF  
FEEDWATER ACCIDENTS - IE BULLETINS (NRR)  
(IMPLEMENT POSITIVE POSITION CONTROLS ON VALVES)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81

II.K.1(8)  
REQMENT  
REC:

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)

NRR

REVISED:

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:

CONTACT:

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81

II.K.1(9)  
REQMNT  
RED?

MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF  
FEEDWATER ACCIDENTS - IE BULLETINS (NRR)  
(REVIEW PROCEDURES)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81



II.K.1(10)  
REQMENT  
RED?

MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF  
FEEDWATER ACCIDENTS - IE BULLETINS (NRR)  
(REVIEW AND MODIFY PROCEDURES)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81

II.K.1(11)  
REQMENT  
RED?

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)  
\*\*COMPLETION DATE BY END OF FY81 \*\*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81

II.K.1(12) MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF  
REQMENT FEEDWATER ACCIDENTS - IE BULLETINS (NRR)  
RED? (COMMUNICATIONS REQUIREMENTS)

NRR

REVISED:

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:

CONTACT:

PURPOSE AND SCOPE:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81

II.K.1(13)  
REQMENT  
RED?

MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF  
FEEDWATER ACCIDENTS - IE BULLETINS (NRR)  
(PROPOSE TECHNICAL SPECIFICATION CHANGES)  
\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81

II.K.1(14)  
REQMENT  
RED?

MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF  
FEEDWATER ACCIDENTS - IE BULLETINS (NRR)  
(REVIEW OPERATING MODES AND PROCEDURES)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81



II.K.1(15)  
REQMENT  
RED?

MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF  
FEEDWATER ACCIDENTS - IE BULLETINS (NRR)  
(FACILITIES WITH NON-AUTOMATIC AFW INITIATION OPERATOR COMMUNICATOR MODIFICATIONS)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81

II.K.1(16)  
REQMENT  
RED?

MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF  
FEEDWATER ACCIDENTS - IE BULLETINS (NRR)  
(PZR POR VALVE DIRECTIVES)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81

II.K.1(17)  
REQMENT  
RED?

MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF  
FEEDWATER ACCIDENTS - IE BULLETINS (NRR)  
(PZR TRIP FOR SAFETY INJECTION)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81

II.K.1(18)  
REQMENT  
RED?

MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF  
FEEDWATER ACCIDENTS - IE BULLETINS (NRP)  
(NATURAL CIRCULATION PROCEDURES AND TRAINING)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81

II.K.1(19)  
REQMENT  
RED?

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)  
NRR  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

REVISED:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81



II.K.1(20)  
REQMENT  
RED?

MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF  
FEEDWATER ACCIDENTS - IE BULLETINS (NRR)  
(MANUAL REACTOR TRIP TRAINING)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81

II.K.1(21)  
REQMENT  
RED?

MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF  
FEEDWATER ACCIDENTS - IE BULLETINS (NRR)  
(AUTOMATIC SAFETY GRADE REACTOR TRIP)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81

II.K.1(22)  
REQMENT  
RED?

MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF  
FEEDWATER ACCIDENTS - IE BULLETINS (NRR)  
(APPROPRIATE AUXILIARY HEAT REMOVAL SYSTEMS WHEN FW SYSTEM NOT OPERABLE)

NRR

REVISED:

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:

CONTACT:

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81

II.K.1(23)  
REQMENT  
RED?

MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF  
FEEDWATER ACCIDENTS - IE BULLETINS (NRR)  
(USES AND TYPES OF RV LEVEL)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81

II.K.1(24)  
REQMENT  
RED?

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)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-03.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81



II.K.1(25)  
REQMENT  
RED?

MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF  
FEEDWATER ACCIDENTS - IE BULLETINS (NRR)  
(OPERATOR ACTION GUIDELINES)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81

II.K.1(26)  
REQMENT  
RED?

MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF  
FEEDWATER ACCIDENTS - IE BULLETINS (NRR)  
(REVISE EMERGENCY PROCEDURES AS NEEDED IN II.K.1(25))  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81

II.K.1(27)  
REQMENT  
RED?

MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF  
FEEDWATER ACCIDENTS - IE BULLETINS (NRR)  
(ACTIONS TO DEAL WITH INADEQUATE CORE COOLING CONDITIONS)

NRR

REVISED:

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:

CONTACT:

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81

II.K.1(28)  
REQMENT  
RED?

MEASURES TO MITIGATE SMALL-BREAK LOCAS AND LOSS OF  
FEEDWATER ACCIDENTS - IE BULLETINS (NRR)  
(AUTOMATIC RCP TRIP FOR ALL REQUIRED CONDITIONS)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* THIS REQUIREMENT WAS ISSUED BY IE BULLETINS 79-05, 79-06, AND 79-08.
- \* LICENSEES HAVE SUBMITTED COMMITMENTS TO THIS REQUIREMENT.
- \* SCHEDULE: (ORIGINAL) 03/30/80  
(CURRENT) 04/30/81

II.K.2(1)  
YELLOW

COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR)  
(UPGRADE TIMELINESS AND RELIABILITY OF AFW SYSTEM)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:

NRR,IE

REVISED: 11/80

CONTACT: BOB REID (X27381)

(SEE  
CURRENT  
STATUS)

PURPOSE AND SCOPE: 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.

ACCOMPLISHMENTS:

CURRENT STATUS: 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 OTSG; 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: 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.



II.K.2(2)  
REQMENT  
GREEN

COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR)

NRR,IE

REVISED:

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(PROCEDURES AND TRAINING TO INITIATE AND CONTROL AFW)  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:

CONTACT:

OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* REQUIREMENT ISSUED NUREG'S 0694 AND 0737
- \* REQUIREMENT ADDRESSED IN EACH NEW OL
- \* EXCEPTIONS WILL BE HIGHLIGHTED DURING COMMISSION OL REVIEW

II.K.2(3)  
YELLOW

COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (HRR)  
(HARD-WIRED CONTROL-GRADE ANTICIPATORY REACTOR TRIPS)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:

NRR,IE

REVISED:

CONTACT:

PURPOSE AND SCOPE:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.2(4)  
YELLOW

COMMISSION ORDERS ON B&W PLANYS TO MITIGATE ACCIDENTS (NRR)  
(SMALL BREAK LOCA ANALYSIS, PROCEDURES, AND OPERATOR TRAINING)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR,IE

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.2(5)  
YELLOW

COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR)  
(COMPLETE TMI-2 SIMULATOR TRAINING FOR ALL OPERATORS)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR,IE

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.2(6)  
YELLOW

COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR)  
(REEVALUATE ANALYSIS FOR DUAL-LEVEL SETPOINT CONTROL)

NRR,IE

REVISED:

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:

CONTACT:

PURPOSE AND SCOPE:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)



II.K.2(7)  
YELLOW

COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR)

NRR,IE

REVISED:

(REEVALUATE TRANSIENT OF 9/24/77)

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION:

CONTACT:

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.2(8)  
REQMENT  
GREEN  
(SEE  
II.E.1.1)

COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR)

NRR,IE

REVISED: 01/81

(CONTINUED UPGRADE OF AFW SYSTEM)

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: ASB/DSI

CONTACT:

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE:

(THIS ITEM IS BEING IMPLEMENTED AS PART OF II.E.1.1 - 01/81)

II.K.2(9)  
REQMENT  
YELLOW

COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR)  
(FAILURE MODE EFFECTS ANALYSIS ON THE INTEGRATED CONTROL SYSTEM)

NRR,IE

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS:43287) RESPONSIBLE BRANCH/DIVISION: ICSB/DSI CONTACT: ERNIE ROSSIE (X29431)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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 RECOMMENDED MODIFICATIONS (01/81)

(CURRENT) COMPLETE REVIEW OF LICENSEE RESPONSES (05/81)

ACCOMPLISHMENT:

CURRENT STATUS: A GENERIC FAILURE-MODE-AND EFFECTS ANALYSIS OF THE ICS (BAW-1564) WAS SUBMITTED ON AUGUST 1, 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:

NOTE(1): 01/21/81 UPDATE SUBMITTAL BY NRR INDICATES THAT A REQUIREMENT HAS BEEN DEVELOPED FROM THIS TASK AND IS BEING IMPLEMENTED ON OPERATING REACTORS AND OPERATING LICENSE APPLICATIONS.

IMPLEMENTATION STATUS ON OR'S WILL BE OBTAINABLE FROM THE OPERATING REACTORS LICENSING ACTIONS TRACKING SYSTEM (ORLATS - IN DEVELOPMENT IN NRR). THE REQUIREMENT FOR OPERATING LICENSE APPLICANTS IS BEING IMPLEMENTED IN THE COURSE OF LICENSE APPLICATION REVIEW AND APPROVAL.

\*CONTACT FOR OR INFORMATION: DAVE VERELLI (X29795)

\*CONTACT FOR OL INFORMATION: BOB TEDESCO (X27425)

II.K.2(10)  
REQMENT  
GREEN

COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR)

NRR,IE

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(SAFETY-GRADE ANTICIPATORY REACTOR TRIP)

(TACS:43287) RESPONSIBLE BRANCH/DIVISION: ICSB/DSI

CONTACT: PHIL BENDER (X29524)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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: IN ACCORDANCE WITH IE BULLETIN 79-05B, THE B&W LICENSEES SUBMITTED A CONCEPTUAL DESIGN FOR A SAFETY-GRADE, ANTICIPATORY REACTOR TRIP WHICH WOULD BE INITIATED UPON TURBINE TRIP AND LOSS OF FEEDWATER ONLY. INCLUDED IN THE LICENSEES' RESPONSES WAS A GENERIC EVALUATION PREPARED BY B&W WHICH PROPOSED THAT THE ANTICIPATORY REACTOR TRIP ON LOW STEAM GENERATOR LEVEL WAS NOT NECESSARY.

ISSUES: THE STAFF WILL COMPLETE ITS REVIEW OF THE GENERIC EVALUATION BY B&W WHICH INDICATES THAT THE PROPOSED ANTICIPATORY TRIP ON LOW STEAM GENERATOR LEVEL IS UNNECESSARY. FURTHER CLARIFICATION WILL BE PROVIDED ON THIS MATTER, IF REQUIRED, FOLLOWING COMPLETION OF THE STAFF REVIEW.

REQUIREMENT WAS ISSUED ON 05/00/79; REPORTS DUE BY 01/01/81; NRR IS REVIEWING REPORTS AND WILL ADDRESS THE REQUIREMENT IN AN ORDER TO BE ISSUED IN 02/81; NRR IS ESTABLISHING THE REVIEW SCHEDULE.

II.K.2(11)  
REQMENT  
GREEN

COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR)  
(OPERATING TRAINING AND DRILLING)

NRR,IE

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS:43295) RESPONSIBLE BRANCH/DIVISION: OLB/DHFS CONTACT: JOE MCMILLEN (X27476)

OTHER OFFICE/INDIVIDUAL: NRR/R. BENEDICT; D. FISCHER

PURPOSE AND SCOPE: THIS ITEM ADDRESSES ACTION PLAN ITEMS I.A.3.1, I.A.2.2, I.A.2.5, AND 1G1 FOR B&W PLANTS.  
SCHEDULE: (ORIGINAL) SEE INDIVIDUAL ACTION PLANS I.A.3.1, I.2.2, I.A.2.5, G.1. (CURRENT) SAME

ACCOMPLISHMENTS:

CURRENT STATUS:

ISSUES: NRR BELIEVES THIS ACTION PLAN TASK SHOULD BE DROPPED. B&W PLANTS WILL BE ADDRESSED WITH  
OTHER FACILITIES IN THE INDIVIDUAL ACTION PLANS.

NOTE(2): 01/21/81 UPDATE SUBMITTAL BY NRR INDICATES THAT A REQUIREMENT HAS  
BEEN ISSUED AND IS BEING IMPLEMENTED ON OPERATING REACTORS.  
STATUS OF IMPLEMENTATION ON OPERATING REACTORS WILL BE TRACKED  
IN THE OPERATING REACTORS LICENSING ACTIONS TRACKING SYSTEM (ORLATS).  
THE ORLATS IS CURRENTLY UNDER DEVELOPMENT IN NRR.  
\*CONTACT FOR OR INFORMATION: DAVE VERELLI (X29795)



II.K.2(12)  
YELLOW

COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR)  
(TRANSIENT ANALYSIS AND PROCEDURES FOR MANAGEMENT OF SMALL BREAKS)  
\*\*COMPLETION DATE BY END OF FY81 -PRIORITY 1

NRR.IE

REVISED:

(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:

CONTACT:

PURPOSE AND SCOPE:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.2(13)  
REQMENT  
GREEN

COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR)

NRR,IE

REVISED: 01/81

(THERMAL-MECHANICAL REPORT)

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI

CONTACT: JACK GUTTMANN (X29455)

OTHER OFFICE/INDIVIDUAL: NRR/R. REEDE

PURPOSE AND SCOPE: 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) SAME

ACCOMPLISHMENTS:

CURRENT STATUS: AWAITING APPLICANTS' SUBMITTAL

ISSUES:

REQUIREMENT WAS ISSUED ON 08/21/79; REPORTS DUE BY 01/01/81; NRR IS  
REVIEWING REPORTS AND WILL ADDRESS THE REQUIREMENT IN AN ORDER TO BE  
ISSUED IN 02/81; NRR IS ESTABLISHING THE REVIEW SCHEDULE.

II.K.2(14)  
REQMENT  
GREEN

COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR) NRR,IE  
(DEMONSTRATE THAT PREDICTED LIFT FREQUENCY OF PORVS AND SRVS IS ACCEPTABLE)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT:  
OTHER OFFICE/INDIVIDUAL:

REVISED:

(SEE  
II.K.3(7))

PURPOSE AND SCOPE:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.2(15)  
REQMENT  
YELLOW

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)

NRR,IE

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS:42618) RESPONSIBLE BRANCH/DIVISION: RSB/DSI  
OTHER OFFICE/INDIVIDUAL: NRR/R. REID

CONTACT: JACK GUTTMANN (X29455)

PURPOSE AND SCOPE: 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 - SER IN PREPARATION

CURRENT STATUS: SLUG FLOW IS NOT CONSIDERED A PROBLEM

ISSUES: NONE

NOTE(1): 01/21/81 UPDATE SUBMITTAL BY NRR INDICATES THAT A REQUIREMENT HAS  
BEEN DEVELOPED FROM THIS TASK AND IS BEING IMPLEMENTED ON OPERATING  
REACTORS AND OPERATING LICENSE APPLICATIONS.  
IMPLEMENTATION STATUS ON OR'S WILL BE OBTAINABLE FROM THE OPERATING  
REACTORS LICENSING ACTIONS TRACKING SYSTEM (ORLATS - IN DEVELOPMENT IN NRR).  
THE REQUIREMENT FOR OPERATING LICENSE APPLICANTS IS BEING IMPLEMENTED IN THE  
COURSE OF LICENSE APPLICATION REVIEW AND APPROVAL.  
\*CONTACT FOR OR INFORMATION: DAVE VERELLI (X29795)  
\*CONTACT FOR OL INFORMATION: BOB TEDESCO (X27425)

II.K.2(16)  
REQMENT  
YELLOW

COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR)  
(IMPACT OF RCP SEAL DAMAGE FOLLOWING SMALL BREAK LOCA WITH  
LOSS OF OFFSITE POWER)

NRR,IE

REVISED: 01/81

\*COMPLETION DATE BY > FY81 \*PRIORITY 1

(TACS:42616) RESPONSIBLE BRANCH/DIVISION: RSB/DSI  
OTHER OFFICE/INDIVIDUAL: NRR/R. REID

CONTACT: J. GUTTMANN (X29455)

PURPOSE AND SCOPE: INVESTIGATE THE CONSEQUENCE OF LOSING COOLANT TO THE SEALS OF THE REACTOR COOLANT  
PUMPS.

SCHEDULE: (ORIGINAL) 01/81 (CURRENT) 11/81

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?

NOTE(1): 01/21/81 UPDATE SUBMITTAL BY NRR INDICATES THAT A REQUIREMENT HAS  
BEEN DEVELOPED FROM THIS TASK AND IS BEING IMPLEMENTED ON OPERATING  
REACTORS AND OPERATING LICENSE APPLICATIONS.

IMPLEMENTATION STATUS ON OR'S WILL BE OBTAINABLE FROM THE OPERATING  
REACTORS LICENSING ACTIONS TRACKING SYSTEM (ORLATS - IN DEVELOPMENT IN NRR).  
THE REQUIREMENT FOR OPERATING LICENSE APPLICANTS IS BEING IMPLEMENTED IN THE  
COURSE OF LICENSE APPLICATION REVIEW AND APPROVAL.

\*CONTACT FOR OR INFORMATION: DAVE VERELLI (X29795)

\*CONTACT FOR OL INFORMATION: BOB TEDESCO (X27425)



II.K.2(17)  
REQMENT  
YELLOW

COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR) NRR,IE  
(ANALYSIS OF POTENTIAL VOIDING IN RCS DURING ANTICIPATED TRANSIENTS)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

REVISED: 01/81

(TACS:42619) RESPONSIBLE BRANCH/DIVISION: RSB/DSI CONTACT: JACK GUTTMANN (X29455)  
OTHER OFFICE/INDIVIDUAL: NRR/R. REID

PURPOSE AND SCOPE: DETERMINE THE CONSEQUENCE OF VOIDING IN THE REACTOR VESSEL AND THE HOT LEGS DURING  
NORMAL ANTICIPATED TRANSIENTS.

SCHEDULE: (ORIGINAL) 01/81 (CURRENT) 02/81

ACCOMPLISHMENTS:

CURRENT STATUS: SER IN PREPARATION

ISSUES: COULD NATURAL CIRCULATION BE LOST DURING NORMAL ANTICIPATED TRANSIENTS?

- \* NUREG-0737 REQUIREMENT
- \* TO BE IMPLEMENTED BY 01/01/82
- \* LICENSEES HAVE SUBMITTED COMMITMENTS
- \* NRR WILL COMPLETE COMMITMENTS REVIEW BY 05/01/81
- \* ORDERS TO BE ISSUED IN SPRING 1981
- \* IE WILL VERIFY IMPLEMENTATION

II.K.2(18)  
YELLOW

COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR)  
(ANALYSIS OF LOSS OF FEEDWATER AND OTHER ANTICIPATED TRANSIENTS)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR,IE

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.2(19)  
REQMENT  
YELLOW

COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR) NRR,IE  
(BENCHMARK ANALYSIS OF SEQUENTIAL AFW FLOW TO ONCE-THROUGH STEAM GENERATOR)

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS:42420) RESPONSIBLE BRANCH/DIVISION: RSB/DSI CONTACT: JACK GUTTMANN (X29455)  
OTHER OFFICE/INDIVIDUAL: NRR/R. REID

PURPOSE AND SCOPE: 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:

CURRENT STATUS: SER BEING WRITTEN

ISSUES:

- \* NUREG-0737 REQUIREMENT
- \* TO BE IMPLEMENTED BY 01/01/82
- \* LICENSEES HAVE SUBMITTED COMMITMENTS
- \* NRR WILL COMPLETE COMMITMENTS REVIEW BY 05/01/81
- \* ORDERS TO BE ISSUED IN SPRING 1981
- \* IE WILL VERIFY IMPLEMENTATION

II.K.2(20)  
REQMENT  
YELLOW

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)

NRR,IE

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS:42621)

RESPONSIBLE BRANCH/DIVISION: RSB/DSI  
OTHER OFFICE/INDIVIDUAL: NRR/R. REID

CONTACT: J. GUTTMANN (X29455)

PURPOSE AND SCOPE: 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:

CURRENT STATUS: SER BEING WRITTEN

ISSUES: LOSS OF NATURAL CIRCULATION

NOTE(2): 01/21/81 UPDATE SUBMITTAL BY NRR INDICATES THAT A REQUIREMENT HAS  
BEEN ISSUED AND IS BEING IMPLEMENTED ON OPERATING REACTORS.  
STATUS OF IMPLEMENTATION ON OPERATING REACTORS WILL BE TRACKED  
IN THE OPERATING REACTORS LICENSING ACTIONS TRACKING SYSTEM (ORLATS).  
THE ORLATS IS CURRENTLY UNDER DEVELOPMENT IN NRR.  
\*CONTACT FOR OR INFORMATION: DAVE VERELLI (X29795)

II.K.2(21)  
YELLOW

COMMISSION ORDERS ON B&W PLANTS TO MITIGATE ACCIDENTS (NRR)

NRR,IE

REVISED:

(LOFT 3-1 PREDICTIONS)

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION:

CONTACT:

OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)



II.K.3(1)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(INSTALLATION AND TESTING OF AUTOMATIC POWER-OPERATED  
RELIEF VALVE ISOLATION SYSTEM)

NRR

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS:42029) RESPONSIBLE BRANCH/DIVISION: ICSB/DSI CONTACT: HULBERT LI (X29433)  
OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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:

- \* NUREG-0737 REQUIREMENT
- \* TO BE IMPLEMENTED BY 07/01/81
- \* LICENSEES HAVE SUBMITTED COMMITMENTS
- \* NRR WILL COMPLETE COMMITMENTS REVIEW BY 05/01/81
- \* ORDERS TO BE ISSUED IN SPRING 1981
- \* IE WILL VERIFY IMPLEMENTATION

II.K.3(2)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(REPORT ON OVERALL SAFETY EFFECT OF PORV ISOLATION SYSTEM)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

REQUIREMENT WAS ISSUED ON 05/07/80; LICENSEES TO IMPLEMENT BY 01/01/81;  
NRR IS REVIEWING REPORTS AND WILL ADDRESS THE REQUIREMENT IN AN  
ORDER TO BE ISSUED ON 02/81; NRR IS ESTABLISHING THE REVIEW SCHEDULE.

II.K.3(3)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(REPORT SAFETY AND RELIEF VALVE FAILURES PROMPTLY AND CHALLENGES ANNUALLY)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

REQUIREMENT WAS ISSUED ON 05/07/80; LICENSEES TO IMPLEMENT BY 01/01/81;  
NRR IS REVIEWING REPORTS AND WILL ADDRESS THE REQUIREMENT IN AN  
ORDER TO BE ISSUED ON 02/81; NRR IS ESTABLISHING THE REVIEW SCHEDULE.

II.K.3(4)  
YELLOW

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)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.3(5)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)

NRR

REVISED: 01/81

(AUTOMATIC TRIP OF REACTOR COOLANT PUMPS)

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: R5B/DSI

CONTACT: BRIAN SHERON (X29453)

OTHER OFFICE/INDIVIDUAL: RES/H. SULLIVAN

PURPOSE AND SCOPE: 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 CONDITONS FOR POST TEST PREDICTION.  
ISSUES: NONE IDENTIFIED TO DATE

- \* NUREG-0737 REQUIREMENT
- \* TO BE IMPLEMENTED BY 07/01/81
- \* LICENSEES HAVE SUBMITTED COMMITMENTS
- \* NRR WILL COMPLETE COMMITMENTS REVIEW BY 05/01/81
- \* ORDERS TO BE ISSUED IN SPRING 1981
- \* IE WILL VERIFY IMPLEMENTATION



II.K.3(6)  
YELLOW

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(INSTRUMENTATION TO VERIFY NATURAL CIRCULATION)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.3(7)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR) NRR  
(EVALUATION OF PORV OPENING PROBABILITY DURING OVERPRESSURE TRANSIENT)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

REVISED:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

REQUIREMENT WAS ISSUED ON 10/31/80; REPORTS DUE BY 01/01/81; NRR IS  
REVIEWING REPORTS AND WILL ADDRESS THE REQUIREMENT IN AN ORDER TO BE  
ISSUED IN 02/81; NRR IS ESTABLISHING THE REVIEW SCHEDULE.

II.K.3(8)  
YELLOW

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(FURTHER STAFF CONSIDERATION OF NEED FOR DIVERSE DECAY HEAT REMOVAL  
METHOD INDEPENDENT OF SGS)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: CONTACT:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

REVISED:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.3(9)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(PROPORTIONAL INTEGRAL DERIVATIVE CONTROLLER MODIFICATION)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS:42029) RESPONSIBLE BRANCH/DIVISION: DOL

NRR

REVISED: 01/81

CONTACT: NOT PROVIDED

OTHER OFFICE/INDIVIDUAL: NRR/P. BENDER

PURPOSE AND SCOPE: 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.

ISSUES:

REQUIREMENT WAS ISSUED ON 05/07/80; LICENSEE TO IMPLEMENT BY 01/01/81;  
REPORTS TO BE SUBMITTED BY 12/01/80; NRR IS EVALUATING REPORTS; NRR  
TO ISSUE ORDER IN 02/81 ADDRESSING PLANT SPECIFIC REQUIREMENTS; OIE  
TO VERIFY IMPLEMENTATION.

II.K.3(10)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)

NRR

REVISED: 01/81

(PROPOSED ANTICIPATORY TRIP MODIFICATION)

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS:42029) RESPONSIBLE BRANCH/DIVISION: ICSB/DSI

CONTACT: P. BENDER (X29425)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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.

ISSUES:

- \* NUREG-0737 REQUIREMENT
- \* TO BE IMPLEMENTED BY TBD
- \* LICENSEES HAVE SUBMITTED COMMITMENTS
- \* NRR WILL COMPLETE COMMITMENTS REVIEW BY 05/01/81
- \* ORDERS TO BE ISSUED IN SPRING 1981
- \* IE WILL VERIFY IMPLEMENTATION



II.K.3(11)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(CONTROL USE OF PORV SUPPLIED BY CONTROL COMPONENTS, INC.  
UNTIL FURTHER REVIEW COMPLETE)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* NUREG-0737 REQUIREMENT
- \* TO BE IMPLEMENTED BY TBD
- \* LICENSEES HAVE SUBMITTED COMMITMENTS
- \* NRR WILL COMPLETE COMMITMENTS REVIEW BY 05/01/81
- \* ORDERS TO BE ISSUED IN SPRING 1981
- \* IE WILL VERIFY IMPLEMENTATION

II.K.3(12)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(CONFIRM EXISTENCE OF ANTICIPATORY REACTOR TRIP UPON TURBINE TRIP)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS:42029) RESPONSIBLE BRANCH/DIVISION: DOL

NRR

REVISED: 01/81

CONTACT: LICENSING PM

OTHER OFFICE/INDIVIDUAL: NRR/P. BENDER

PURPOSE AND SCOPE: 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) DESIGN MODIFICATIONS (IF REQ'D)  
(CURRENT) DESIGN MODIFICATIONS (IF REQ'D)

ACCOMPLISHMENTS:

CURRENT STATUS: CONFIRMATION OF PROPOSED MODIFICATION IS TO BE COMPLETED BY JANUARY 1, 1981. THE MODIFICATIONS SHOULD BE COMPLETED BY THE FIRST 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 NEXT REFUELING OUTAGE. CONFIRMATION OF EXISTING TRIPS TO BE HANDLED BY PROJECT MANAGER. IF DESIGN MODIFICATIONS ARE REQUIRED, THE DESIGN IS TO BE REVIEWED BY ICSB/DSI.

ISSUES:

REQUIREMENT WAS ISSUED ON 05/07/80; REPORTS DUE BY 01/01/81; NRR IS REVIEWING REPORTS AND WILL ADDRESS THE REQUIREMENT IN AN ORDER TO BE ISSUED IN 02/81; NRR IS ESTABLISHING THE REVIEW SCHEDULE.

II.K.3(13)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(SEPARATION OF HPCI AND RCIC INITIATION LEVELS)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB, ICSB/DSI CONTACT: WAYNE HODGES (X28454)  
OTHER OFFICE/INDIVIDUAL:

NRR

REVISED: 01/81

PURPOSE AND SCOPE: 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  
(NUREG-0737) ANALYSES AND PROPOSED MODS 1/1/81; IMPLEMENT 7/1/81

ACCOMPLISHMENTS:

CURRENT STATUS: AWAITING GENERIC SUBMITTAL FROM BWR OWNERS GROUP

ISSUES:

REQUIREMENT WAS ISSUED ON 05/07/80; REPORTS DUE BY 01/01/81; NRR IS  
REVIEWING REPORTS AND WILL ADDRESS THE REQUIREMENT IN AN ORDER TO BE  
ISSUED IN 02/81; NRR IS ESTABLISHING THE REVIEW SCHEDULE.

II.K.3(14)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)

NRR

REVISED: 01/81

(ISOLATION CONDENSERS ON HIGH RADIATION)

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: CSB/DSI

CONTACT: MEL FIELDS (X29417)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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. (NUREG-0737) DESIGN MODIFICATIONS SHALL BE  
COMPLETED BY 01/82.

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: NONE

- \* NUREG-0737 REQUIREMENT
- \* TO BE IMPLEMENTED BY 01/01/82
- \* LICENSEES HAVE SUBMITTED COMMITMENTS
- \* NRR WILL COMPLETE COMMITMENTS REVIEW BY 05/01/81
- \* ORDERS TO BE ISSUED IN SPRING 1981
- \* IE WILL VERIFY IMPLEMENTATION

II.K.3(15)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(MODIFY BREAK DETECTION LOGIC TO PREVENT SPURIOUS  
ISOLATION OF HPCI AND RCIC SYSTEMS)

NRR

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB, ICSB/DSI CONTACT: WAYNE HODGES (X29454)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: MODIFY PIPE-BREAK-DETECTION CIRCUITRY TO PREVENT ISOLATION OF SYSTEM(S)

DUE TO START-UP PRESSURE TRANSIENT

SCHEDULE: (ORIGINAL) IMPLEMENT CHANGES 1/1/81

(NUREG-0737) IMPLEMENT CHANGES - POST IMPLEMENTATION REVIEW 7/1/81

ACCOMPLISHMENTS:

CURRENT STATUS: AWAITING SUBMITTALS

ISSUES: STAFFING REQUIREMENTS AND COMPLETION DATES CAN BE ESTIMATED AFTER RECEIPT OF SUBMITTALS.

REQUIREMENT WAS ISSUED ON 05/07/80; REPORTS DUE BY 01/01/81; NRR IS  
REVIEWING REPORTS AND WILL ADDRESS THE REQUIREMENT IN AN ORDER TO BE  
ISSUED IN 02/81; NRR IS ESTABLISHING THE REVIEW SCHEDULE.



II.K.3(16)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(REDUCTION OF CHALLENGES AND FAILURES OF RELIEF VALVES-  
FEASIBILITY STUDY AND SYSTEM MODIFICATION)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/01)

REQUIREMENT WAS ISSUED ON 05/07/80; REPORTS DUE BY 04/01/81; NRR IS  
REVIEWING REPORTS AND WILL ADDRESS THE REQUIREMENT IN AN ORDER TO BE  
ISSUED IN 02/81; NRR IS ESTABLISHING THE REVIEW SCHEDULE.

II.K.3(17) FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
REQMENT MITIGATE ACCIDENTS (NRR)  
GREEN (REPORT ON OUTAGE OF ECC SYSTEMS)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

REQUIREMENT WAS ISSUED ON 05/07/80; REPORTS DUE BY 01/01/81; NRR IS  
REVIEWING REPORTS AND WILL ADDRESS THE REQUIREMENT IN AN ORDER TO BE  
ISSUED IN 02/81; NRR IS ESTABLISHING THE REVIEW SCHEDULE.

II.K.3(18)  
REQMENT  
GREEN

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)

NRR

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS:42029) RESPONSIBLE BRANCH/DIVISION: RSB/DSI CONTACT: WAYNE HODGES (X29454)  
OTHER OFFICE/INDIVIDUAL: NRR/D. THATCHER

PURPOSE AND SCOPE: 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 (NUREG-0737) STUDY (04/81); PROPOSE MODIFICATIONS (04/82); IMPLEMENT  
MODIFICATIONS (FIRST REFUELING).

ACCOMPLISHMENTS:  
CURRENT STATUS:  
ISSUES:

REQUIREMENT WAS ISSUED ON 05/07/80; REPORTS DUE BY 04/01/81; NRR TO  
ISSUE ORDER (02/81) TO REQUIRE IMPLEMENTATION; NRR TO ESTABLISH REVIEW  
SCHEDULE AFTER RECEIPT OF REPORTS.

II.K.3(19)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(INTERLOCK ON RECIRCULATING PUMP LOOPS)

NRR

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI

CONTACT: WAYNE HODGES (X29454)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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:

CURRENT STATUS: AWAITING SUBMITTALS

ISSUES: STAFFING REQUIREMENT AND COMPLETION DATE CAN BE ESTIMATED AFTER RECEIPT OF SUBMITTALS.

- \* NUREG-0737 REQUIREMENT
- \* TO BE IMPLEMENTED BY 07/01/81
- \* LICENSEES HAVE SUBMITTED COMMITMENTS
- \* NRR WILL COMPLETE COMMITMENTS REVIEW BY 05/01/81
- \* ORDERS TO BE ISSUED IN SPRING 1981
- \* IE WILL VERIFY IMPLEMENTATION

II.K.3(20)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(LOSS OF SERVICE WATER FOR BIG ROCK POINT)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: ASB/DSI  
OTHER OFFICE/INDIVIDUAL:

NRR

REVISED: 01/81

CONTACT: NICK FLORAVANTE (X28941)

PURPOSE AND SCOPE: TO EVALUATE ACCEPTABILITY OR THE CONSEQUENCES OF A LOSS OF SERVICE WATER TO  
SCHEDULE: (ORIGINAL) 01/81 (NUREG-0737) 07/81  
ACCOMPLISHMENTS: LETTER ISSUED TO LICENSEE REQUESTING INFORMATION 5/07/80.  
CURRENT STATUS: LICENSEE TO PROVIDE INFORMATION CONTAINING EVALUATION OF ACCEPTABILITY OF THE  
CONSEQUENCES OF A LOSS OF SERVICE WATER TO THE ESSENTIAL PLANT COMPONENTS IN THE EVENT OF A  
LOSS OF OFFSITE POWER BY 01/01/81.  
ISSUES:

- \* NUREG-0737 REQUIREMENT
- \* TO BE IMPLEMENTED BY 07/01/81
- \* LICENSEES HAVE SUBMITTED COMMITMENTS
- \* NRR WILL COMPLETE COMMITMENTS REVIEW BY 05/01/81
- \* ORDERS TO BE ISSUED IN SPRING 1981
- \* IE WILL VERIFY IMPLEMENTATION



II.K.3(21)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(RESTART OF CORE SPRAY AND LOW-PRESSURE  
COOLANT-INJECTION SYSTEMS)

NRR

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS:42029) RESPONSIBLE BRANCH/DIVISION: ICSB/DSI CONTACT: DALE THATCHER (X29426)  
OTHER OFFICE/INDIVIDUAL: NRR/W. HODGES

PURPOSE AND SCOPE: 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) SAME

ACCOMPLISHMENTS:

CURRENT STATUS:

ISSUES:

REQUIREMENT WAS ISSUED ON 05/07/80; REPORTS DUE BY 01/01/81; NRR IS  
REVIEWING REPORTS AND WILL ADDRESS THE REQUIREMENT IN AN ORDER TO BE  
ISSUED IN 02/81; NRR IS ESTABLISHING THE REVIEW SCHEDULE.

II.K.3(22)  
REQMENT  
GREEN

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)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS:42029) RESPONSIBLE BRANCH/DIVISION: ICSB/DSI  
OTHER OFFICE/INDIVIDUAL: NRR/W. HODGES

NRR

R/ VISED: 01/81

CONTACT: DALE THATCHER (X29426)

PURPOSE AND SCOPE: 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 (NUREG-0737) VERIFY PROCEDURES (01/81) MODIFY DESIGN (01/82)  
ACCOMPLISHMENTS:  
CURRENT STATUS:  
ISSUES:

REQUIREMENT WAS ISSUED ON 05/07/80; LICENSEE TO IMPLEMENT BY 01/01/81;  
REPORTS TO BE SUBMITTED BY 01/01/81; NRR IS EVALUATING REPORTS; NRR  
TO ISSUE ORDER IN 02/81 ADDRESSING PLANT SPECIFIC REQUIREMENTS; OIE  
TO VERIFYING IMPLEMENTATION.

II.K.3(23)  
YELLOW

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(CENTRAL WATER LEVEL RECORDING)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.3(24)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(ADEQUACY OF HPCI AND RCIC SPACE COOLING)

NRR

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI

CONTACT: WAYNE HODGES (X29454)

OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE- 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: AWAITING SUBMITTALS

ISSUES: STAFFING REQUIREMENT AND COMPLETION DATE CAN BE ESTIMATED AFTER RECEIPT OF SUBMITTALS.

- \* NUREG-0737 REQUIREMENT
- \* TO BE IMPLEMENTED BY 01/01/82
- \* LICENSEES HAVE SUBMITTED COMMITMENTS
- \* NRR WILL COMPLETE COMMITMENTS REVIEW BY 05/01/81
- \* ORDERS TO BE ISSUED IN SPRING 1981
- \* IE WILL VERIFY IMPLEMENTATION

II.K.3(25) FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
REQMENT MITIGATE ACCIDENTS (NRR)  
GREEN (EFFECT OF LOSS OF AC POWER ON PUMP SEALS)

NRR

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI

CONTACT: WAYNE HODGES (X29454)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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)

(NUREG-0737) BWR SUBMITTAL (07/81) BWR MODIFICATIONS COMPLETE/PWR SUBMITTAL (01/82) PWR COMPLETE  
MODIFICATIONS (07/82)

ACCOMPLISHMENTS:

CURRENT STATUS: AWAITING SUBMITTALS

ISSUES: STAFFING REQUIREMENT AND COMPLETION DATE CAN BE ESTIMATED AFTER RECEIPT OF SUBMITTALS

- \* NUREG-0737 REQUIREMENT
- \* TO BE IMPLEMENTED BY 07/01/81
- \* LICENSEES HAVE SUBMITTED COMMITMENTS
- \* NRR WILL COMPLETE COMMITMENTS REVIEW BY 05/01/81
- \* ORDERS TO BE ISSUED IN SPRING 1981
- \* IE WILL VERIFY IMPLEMENTATION



II.K.3(26) FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
YELLOW MITIGATE ACCIDENTS (NRR)  
(STUDY EFFECT OF RHR ON RELIABILITY OF ITS USE  
FOR FUEL POOL COOLING)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

HRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.3(27)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(PROVIDE COMMON REFERENCE LEVEL FOR VESSEL  
LEVEL INSTRUMENTATION)

NRR

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS:42029) RESPONSIBLE BRANCH/DIVISION: HFEB/DHFS CONTACT: DOMNIC TONDI (X28424)

OTHER OFFICE/INDIVIDUAL: NRR/W. HODGES, D. THATCHER

PURPOSE AND SCOPE: 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 OF THE ACTIVE FUEL ARE REASONABLE REFERENCE POINTS.

SCHEDULE: (ORIGINAL) NONE (NUREG-0737) 07/81

ACCOMPLISHMENTS:

CURRENT STATUS:

ISSUES:

REQUIREMENT WAS ISSUED ON 05/07/80; REPORTS DUE BY 01/01/81; NRR IS  
REVIEWING REPORTS AND WILL ADDRESS THE REQUIREMENT IN AN ORDER TO BE  
ISSUED IN 02/81; NRR IS ESTABLISHING THE REVIEW SCHEDULE.

II.K.3(28)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(STUDY AND VERIFY QUALIFICATION OF ACCUMULATORS  
ON ADS VALVES)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

- \* NUREG-0737 REQUIREMENT
- \* TO BE IMPLEMENTED BY 01/01/82
- \* LICENSEES HAVE SUBMITTED COMMITMENTS
- \* NRR WILL COMPLETE COMMITMENTS REVIEW BY 05/01/81
- \* ORDERS TO BE ISSUED IN SPRING 1981
- \* IE WILL VERIFY IMPLEMENTATION

II.K.3(29)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO

MITIGATE ACCIDENTS (NRR)

(STUDY TO DEMONSTRATE PERFORMANCE OF ISOLATION CONDENSERS)

\*\*COMPLETION DATE > FY81

\*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI

CONTACT: WAYNE HODGES (X29454)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: DEMONSTRATE ADEQUACY OF ISOLATION CONDENSERS WITH NON-CONDENSIBLES.

SCHEDULE: (ORIGINAL) SUBMIT EVALUATION (04/81)

(NUREG-0737) SUBMIT EVALUATION - POST IMPLEMENTATION REVIEW (04/81)

ACCOMPLISHMENTS:

CURRENT STATUS: AWAITING SUBMITTALS

ISSUES: STAFFING REQUIREMENT AND COMPLETION DATE CAN BE ESTIMATED AFTER RECEIPT OF SUBMITTALS.

REQUIREMENT WAS ISSUED ON 05/07/80; REPORTS DUE BY 04/01/81; NRR IS  
REVIEWING REPORTS AND WILL ADDRESS THE REQUIREMENT IN AN ORDER TO BE  
ISSUED IN 02/81; NRR IS ESTABLISHING THE REVIEW SCHEDULE.

NRR

REVISED: 01/81

II.K.3(30)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(REVISED SBLOCA MODEL TO COMPLY WITH

NRR

REVISED: 01/81

10 CFR 50.46, APPENDIX K)

\*\*COMPLETION DATE > FY81

\*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI

CONTACT: ED THROM (X29458)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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 WESTINGHOUSE AND BABCOCK & WILCOX TO DISCUSS PROGRAM OUTLINE

CURRENT STATUS: MEETINGS WITH EXXON, GENERAL ELECTRIC AND COMBUSTION ENGINEERING SCHEDULED FOR

01/81 TO DISCUSS PROGRAM OUTLINES

ISSUES: TO BE DEFINED DURING REVIEW OF REVISED MODEL SUBMITTALS.

REQUIREMENT WAS ISSUED ON 05/07/80; REPORTS DUE BY 11/15/80; NRR IS REVIEWING REPORTS AND WILL ADDRESS THE REQUIREMENT IN AN ORDER TO BE ISSUED IN 02/81; NRR IS ESTABLISHING THE REVIEW SCHEDULE.

II.K.3(31)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(PLANT SPECIFIC CALCULATIONS TO SHOW COMPLIANCE WITH  
10 CFR 50.46)

NRR

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI CONTACT: ED THROM (X29458)  
OTHER OFFICE/INDIVIDUAL:

(SEE  
II.K.3(30))

PURPOSE AND SCOPE: 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 WESTINGHOUSE AND BABCOCK & WILCOX TO DISCUSS PROGRAM OUTLINE  
CURRENT STATUS: MEETINGS WITH EXXON, GENERAL ELECTRIC AND COMBUSTION ENGINEERING SCHEDULED FOR  
01/81 TO DISCUSS PROGRAM OUTLINES  
ISSUES: TO BE DEFINED DURING REVIEW OF REVISED MODEL SUBMITTALS.

- \* NUREG-0737 REQUIREMENT
- \* TO BE IMPLEMENTED BY 01/01/83
- \* LICENSEES HAVE SUBMITTED COMMITMENTS
- \* NRR WILL COMPLETE COMMITMENTS REVIEW BY 05/01/81
- \* ORDERS TO BE ISSUED IN SPRING 1981
- \* IE WILL VERIFY IMPLEMENTATION



II.K.3(32)  
YELLOW

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(PROVIDE EXPERIMENTED VERIFICATION OF TWO-PHASE  
NATURAL CIRCULATION MODELS)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.3(33)  
YELLOW

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(EVALUATE ELIMINATION OF PORV FUNCTION)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.3(34)  
YELLOW

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(RELAP-4 MODELS DEVELOPMENT)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.3(35)  
YELLOW

FINAL RECOMMENDATIONS OF B& : TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(EVALUATION OF EFFECTS OF CORE FLOOD TANK  
INJECTION ON SMALL-BREAK LOCAS)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.3(36)  
YELLOW

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(ADDITIONAL STAFF AUDIT CALCULATIONS OF B&W  
SMALL-BREAK LOCA ANALYSES)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.3(37)  
YELLOW

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(ANALYSIS OF B&W PLANT RESPONSE TO ISOLATED  
SMALL-BREAK LOCA)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)



II.K.3(38)  
YELLOW

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)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.3(39)  
YELLOW

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)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.3(40)  
REQMENT  
YELLOW

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(EVALUATION OF RCP SEAL CHANGE AND LEAKAGE  
DURING A SMALL-BREAK LOCA)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:

NRR

REVISED:

CONTACT:

(SEE  
II.K.2(16))

PURPOSE AND SCOPE:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

NOTE(2): 01/21/81 UPDATE SUBMITTAL BY NRR INDICATES THAT A REQUIREMENT HAS  
BEEN ISSUED AND IS BEING IMPLEMENTED ON OPERATING REACTORS.  
STATUS OF IMPLEMENTATION ON OPERATING REACTORS WILL BE TRACKED  
IN THE OPERATING REACTORS LICENSING ACTIONS TRACKING SYSTEM (ORLATS).  
THE ORLATS IS CURRENTLY UNDER DEVELOPMENT IN NRR.  
\*CONTACT FOR OR INFORMATION: DAVE VERELLI (X29795)

II.K.3(41)  
YELLOW

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(SUBMIT PREDICTIONS FOR LOFT TEST  
L3-6 WITH RCPS RUNNING)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.3(42)  
YELLOW

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(SUBMIT REQUESTED INFORMATION ON THE EFFECTS OF  
NON-CONDENSIBLE GASES)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.3(43)  
REQMENT  
YELLOW

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(EVALUATION OF MECHANICAL EFFECTS OF SLUG FLOW  
ON STEAM GENERATOR TUBES)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:

NRR

REVISED:

(SEE  
II.K.2(15))

PURPOSE AND SCOPE:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

NOTE(2): 01/21/81 UPDATE SUBMITTAL BY NRR INDICATES THAT A REQUIREMENT HAS  
BEEN ISSUED AND IS BEING IMPLEMENTED ON OPERATING REACTORS.  
STATUS OF IMPLEMENTATION ON OPERATING REACTORS WILL BE TRACKED  
IN THE OPERATING REACTORS LICENSING ACTIONS TRACKING SYSTEM (ORLATS).  
THE ORLATS IS CURRENTLY UNDER DEVELOPMENT IN NRR.  
\*CONTACT FOR OR INFORMATION: DAVE VERELLI (X29795)



II.K.3(44)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(EVALUATION ANTICIPATED TRANSIENTS WITH SINGLE FAILURE)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI  
OTHER OFFICE/INDIVIDUAL:

NRR

REVISED: 01/81

CONTACT: WAYNE HODGES (X29454)

PURPOSE AND SCOPE: SHOW THAT TRANSIENTS COMBINED WITH WORST SINGLE FAILURE WILL NOT RESULT IN  
SIGNIFICANT FUEL DAMAGE.

SCHEDULE: (ORIGINAL) SUBMITTAL - POST IMPLEMENTATION REVIEW (01/81) (CURRENT) SAME

ACCOMPLISHMENTS:

CURRENT STATUS: AWAITING SUBMITTALS

ISSUES: STAFFING REQUIREMENT AND COMPLETION DATE CAN BE ESTIMATED AFTER RECEIPT OF SUBMITTALS.

REQUIREMENT WAS ISSUED ON 05/07/80; REPORTS DUE BY 01/01/81; NRR IS  
REVIEWING REPORTS AND WILL ADDRESS THE REQUIREMENT IN AN ORDER TO BE  
ISSUED IN 02/81; NRR IS ESTABLISHING THE REVIEW SCHEDULE.

II.K.3(45)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(EVALUATE DEPRESSURIZATION WITH OTHER THAN FULL ADS)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI  
OTHER OFFICE/INDIVIDUAL:

NRR

REVISED: 01/81

CONTACT: WAYNE HODGES (X29454)

PURPOSE AND SCOPE: ANALYZE DEPRESSURIZATION MODES OTHER THAN FULL ADS FOR POSSIBLE INCLUSION IN  
EMERGENCY PROCEDURES.

SCHEDULE: (ORIGINAL) SUBMITTAL - POST IMPLEMENTATION REVIEW (01/81) (CURRENT) SAME

ACCOMPLISHMENTS:

CURRENT STATUS: AWAITING SUBMITTAL

ISSUES: STAFFING REQUIREMENT AND COMPLETION DATE CAN BE ESTIMATED AFTER RECEIPT OF SUBMITTAL

REQUIREMENT WAS ISSUED ON 05/07/80; REPORTS DUE BY 01/01/81; NRR IS  
REVIEWING REPORTS AND WILL ADDRESS THE REQUIREMENT IN AN ORDER TO BE  
ISSUED IN 02/81; NRR IS ESTABLISHING THE REVIEW SCHEDULE.

II.K.3(46)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(RESPONSE TO LIST OF CONCERNS FROM ACRS CONSULTANT)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI

NRR

REVISED: 01/81

CONTACT: WAYNE HODGES (X29454)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: RESPOND TO CONCERNS RAISED BY ACRS CONSULTANT

SCHEDULE: (ORIGINAL) SUBMIT RESPONSE (07/80)

(CURRENT) ISSUED QUESTION ON RESPONSE (06/80)

ACCOMPLISHMENTS: REVIEWED RESPONSE AND ISSUED 1 QUESTION

CURRENT STATUS: AWAITING RESPONSE TO QUESTION

ISSUES: COMPLETION DATE DEPENDS ON DATE OF RESPONSE TO OUTSTANDING QUESTION.

NOTE(1): 01/21/81 UPDATE SUBMITTAL BY NRR INDICATES THAT A REQUIREMENT HAS  
BEEN DEVELOPED FROM THIS TASK AND IS BEING IMPLEMENTED ON OPERATING  
REACTORS AND OPERATING LICENSE APPLICATIONS.  
IMPLEMENTATION STATUS ON OR'S WILL BE OBTAINABLE FROM THE OPERATING  
REACTORS LICENSING ACTIONS TRACKING SYSTEM (ORLATS - IN DEVELOPMENT IN NRR).  
THE REQUIREMENT FOR OPERATING LICENSE APPLICANTS IS BEING IMPLEMENTED IN THE  
COURSE OF LICENSE APPLICATION REVIEW AND APPROVAL.  
\*CONTACT FOR OR INFORMATION: DAVE VERELLI (X29795)  
\*CONTACT FOR OL INFORMATION: BOB TEDESCO (X27425)

II.K.3(47)  
YELLOW

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(TEST PROGRAM FOR SMALL-BREAK LOCA MODEL VERIFICATION)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.3(48)  
YELLOW

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(ASSESS CHANGE IN SAFETY RELIABILITY AS RESULT OF  
IMPLEMENTING B&OTF RECOMMENDATIONS)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.3(49)  
YELLOW

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(REVIEW OF PROCEDURES - NRC)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)



II.K.3(50)  
YELLOW

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(REVIEW OF PROCEDURES - NSSS VENDORS)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

HRR

REVISED:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.3(51)  
YELLOW

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(SYMPTOM-BASED EMERGENCY PROCEDURES)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.3(52)  
YELLOW

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(OPERATOR AWARENESS OF REVISED EMERGENCY PROCEDURES)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.3(53)  
YELLOW

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(TWO OPERATORS IN CONTROL ROOM)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.3(54)  
YELLOW

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(SIMULATOR UPGRADE FOR SMALL-BREAK LOCAS)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.3(55)  
YELLOW

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)  
(OPERATOR MONITORING OF CONTROL BOARD)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)



II.K.3(56) FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
YELLOW MITIGATE ACCIDENTS (NRR)  
(SIMULATOR TRAINING REQUIREMENTS)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR

REVISED:

CONTACT:

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE - 01/81)

II.K.3(57)  
REQMENT  
GREEN

FINAL RECOMMENDATIONS OF B&O TASK FORCE TO  
MITIGATE ACCIDENTS (NRR)

NRR

REVISED: 01/81

(IDENTIFY WATER SOURCES PRIOR TO MANUAL ADS)

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RSB/DSI

CONTACT: WAYNE HODGES (X29454)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: REVISE EMERGENCY PROCEDURES TO INCLUDE VERIFICATION THAT LOW PRESSURE COOLING SYSTEMS  
ARE AVAILABLE PRIOR TO MANUAL ADS.

SCHEDULE: (ORIGINAL) INCLUDE IN EMERGENCY GUIDELINES (07/81) (CURRENT) SAME

ACCOMPLISHMENTS: THIS REVISION HAS BEEN INCLUDED IN EMERGENCY PROCEDURE GUIDELINES WHICH ARE UNDER REVIEW.

CURRENT STATUS: REVIEW OF GUIDELINES IS IN PROGRESS

ISSUES:

- \* NUREG-0737 REQUIREMENT
- \* TO BE IMPLEMENTED BY TBD
- \* LICENSEES HAVE SUBMITTED COMMITMENTS
- \* NRR WILL COMPLETE COMMITMENTS REVIEW BY 05/01/81
- \* ORDERS TO BE ISSUED IN SPRING 1981
- \* IE WILL VERIFY IMPLEMENTATION

TMI ACTION PLAN TRACKING SYSTEM (APTS)

JANUARY 1981 ISSUE

CHAPTER III ACTION ITEMS (RUN DATE: 02/13/81)

SUMMARY OF ACTION ITEMS:

CHAPTER III:	<u>78</u>	(EMERGENCY PREPAREDNESS AND RADIATION EFFECTS)
NRR LEAD :	<u>42</u>	PRIORITY '1' ITEMS : <u>5</u>
SD LEAD :	<u>12</u>	PRIORITY '1' ITEMS : <u>0</u>
IE LEAD :	<u>11</u>	PRIORITY '1' ITEMS : <u>0</u>
RES LEAD :	<u>1</u>	PRIORITY '1' ITEMS : <u>0</u>
OTHER LEAD :	<u>12</u>	PRIORITY '1' ITEMS : <u>4</u>

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

COMPLETE :	<u>7 (2,0,4,0,1)</u>	PRIORITY '1' ITEMS	<u>3 (2,0,0,0,1)</u>
RED ITEMS :	<u>1 (1,0,0,0,0)</u>	PRIORITY '1' ITEMS	<u>0</u>
YELLOW ITEMS :	<u>25 (17,2,2,1,3)</u>	PRIORITY '1' ITEMS	<u>0</u>
GREEN ITEMS :	<u>45 (22,10,5,0,8)</u>	PRIORITY '1' ITEMS	<u>6 (3,0,0,0,3)</u>
TOTAL :	<u>78 (42,12,11,1,12)</u>	TOTAL :	<u>9 (5,0,0,0,4)</u>

*REQMNT :	<u>15 (11,3,0,0,1)</u>	PRIORITY '1' ITEMS	<u>4 (3,0,0,0,1)</u>
*INACTIVE :	<u>8 (8,0,0,0,0)</u>	PRIORITY '1' ITEMS	<u>0</u>
*COMMISSION ACTION ITEMS :	<u>8 (2,0,3,0,3)</u>	PRIORITY '1' ITEMS	<u>0</u>
*NO INFORMATION RECEIVED :	<u>0</u>	PRIORITY '1' ITEMS	<u>0</u>

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

COMMENTS:

III.A.1.1(1) UPGRADE EMERGENCY PREPAREDNESS (NRR)

NRR,IE,SP,ADM

REVISED: 01/81

COMPLETE

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: 42427) RESPONSIBLE BRANCH/DIVISION: EPLB, EPPD CONTACT: FRANK PAGANO (X27846)

OTHER OFFICE/INDIVIDUAL: IE/J. WIGGINTON

PURPOSE AND SCOPE: OBTAIN PROMPT UPGRADING OF EMERGENCY PREPAREDNESS AT AND AROUND ALL NUCLEAR POWER PLANTS.

INSURE LICENSEE, STATE AND LOCAL EMERGENCY PLANS ARE INTEGRATED FOR OVERALL SITE EMERGENCY PREPAREDNESS.

SCHEDULE: (ORIGINAL) SITE REVIEW PROGRAM FOR ALL OPERATING PLANTS AND NTOLS BEGAN SEPTEMBER 1979 AND WAS COMPLETED

BY JULY 1980. (CURRENT) NEW LICENSEE EMERGENCY PLANS AS A RESULT OF THE NEW RULE ARE BEING

REVIEWED FOR ACCEPTABILITY. INTERIM EVALUATION REPORTS TO BE COMPLETED ON ALL OPERATING PLANTS BY APRIL 1981.

ACCOMPLISHMENTS: NUREG-0654, REVISION 1 PUBLISHED NOVEMBER 1980; 10CFR50, APPENDIX E REVISION WENT INTO

EFFECT NOVEMBER 3, 1980; NUREG-0696, REVISION 1 SENT TO COMMISSION 1/8/81.

(SEE

II.A.2)

CURRENT STATUS: THE NEW REGULATIONS FOR EMERGENCY PREPAREDNESS REQUIRED LICENSEES TO SUBMIT REVISED

EMERGENCY PLANS BY JANUARY 2, 1981, AND TO SUBMIT IMPLEMENTING PROCEDURES BY MARCH 1, 1981. ALL

PLANS MUST BE IMPLEMENTED BY APRIL 1, 1981. A REVIEW SCHEDULE IS BEING SET UP FOR EMERGENCY

PREPAREDNESS IMPLEMENTATION APPRAISAL (EPIA) BY WHICH NRC TEAMS WILL REVIEW PLANS AND

PROCEDURES, AND WILL MAKE SITE VISITS TO VERIFY THAT PLANS ARE IMPLEMENTED.

ISSUES: THE SCHEDULE FOR REVIEW AND IMPLEMENTATION INCLUDES ABOUT 49 OLS AND ABOUT 16 NTOLS. IT WILL BE

DIFFICULT BECAUSE OF MANPOWER CONSTRAINTS TO ACCOMPLISH THIS IN ONE CALENDAR YEAR (4/1/81-4/1/82)

III.A.1.1(2) STATUS INFORMATION IS INCLUDED IN III.A.1.1(1)

III.A.1.2(1) UPGRADE LICENSEE EMERGENCY SUPPORT FACILITIES (NRR)

NRR, SD, SP

REVISED: 0

REQMENT  
GREEN

\*\*COMPLETION DATE > FY81 \*PRIORITY 1

(TACS: 41047)

RESPONSIBLE BRANCH/DIVISION: EPDR, EPPO  
OTHER OFFICE/INDIVIDUAL: NRR/FRANK G. PAGANO, W. MINNERS, L. BELTRACCHI; DIE/B. WEISS  
RES/O. BASSETT

CONTACT: STEVE RAMOS (X27435)

PURPOSE AND SCOPE: EMERGENCY OPERATIONS WILL BE IMPROVED BY THE ESTABLISHMENT OF DEDICATED AREAS FOR AND CONTROL, SUPPORT, AND COORDINATION OF ONSITE AND OFFSITE FUNCTIONS DURING REACTOR ACCIDENT SCHEDULE: (ORIGINAL) INITIATION SEPTEMBER 13, OCT. 30, AND APRIL 25, 1980-ESTABLISHED REQUIREMENTS 1/1 TSC/EOF IN PLACE; 1/1/81-FULL TSC/EOF. SRP REVISED 12/80. (CURRENT) INITIATION 9/13/79. BASIC INSTALLATION - 1/1/80. SUBMIT DESIGN FOR APPROVAL 1/1/81. SPDS OPERATIONAL 1/1/82. ALL SUPPORT FACILITIES OPERATIONAL - 04/01/82

ACCOMPLISHMENTS: PUBLIC COMMENTS RECEIVED ON NUREG-0696; DOCUMENT WAS REWRITTEN 12/80.

CURRENT STATUS: REVISION 1 TO NUREG-0696 SENT TO COMMISSION FOR APPROVAL ON 1/8/81; DATE FOR SUBMITTING DESIGNS FOR ESFS HAS BEEN CHANGED FROM 1/1/81 TO 90 DAYS AFTER PUBLICATION OF NUREG-0696. IMPLEMENTATION DATES OF 7/1/82 TO HAVE THE ESF FUNCTIONAL BUT NOT NECESSARILY COMPLY WITH ALL CRITERIA, AND 6/1/82 TO COMPLY WITH ALL CRITERIA OF NUREG-0696 HAVE NOT BEEN CHANGED.

ISSUES: CHILK 01/21/81 MEMO TO DIRCKS INSTRUCTS ISSUANCE OF ITEM II.A.1.2 NOTING TWO COMMISSION APPROVED OPTIONS FOR THE EOF.

- \* NUREG-0737 REQUIREMENT
- \* TO BE IMPLEMENTED BY TBD
- \* LICENSEES HAVE SUBMITTED COMMITMENTS
- \* NRR WILL COMPLETE COMMITMENTS REVIEW BY 05/01/81
- \* ORDERS TO BE ISSUED IN SPRING 1981
- \* IE WILL VERIFY IMPLEMENTATION

III.A.1.2(2) AND III.A.1.2(3) STATUS INFORMATION IS INCLUDED IN III.A.1.2(1)

III.A.1.3(1) MAINTAIN SUPPLIES OF THYROID BLOCKING AGENT (KI) (NRR)

NRR

REVISED: 01/81

YELLOW \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3

COMMISSION(TACS: 42428) RESPONSIBLE BRANCH/DIVISION: Eppo

CONTACT: BRIAN GRIMES (X27415)

OTHER OFFICE/INDIVIDUAL: NRR/FRANK G. PAGANO, S. RAMOS, RES/R. BLOND

PURPOSE AND SCOPE: 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: COMMISSION REQUESTED RESUBMITTAL OF SECY 80-257 TO INCLUDE COMMENTS OF THE ENDOCRINE SOCIETY. SECY 80-257A SUBMITTED TO COMMISSION ON SEPTEMBER 18, 1980.

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

III.A.1.3(2) STATUS INFORMATION IS INCLUDED IN III.A.1.3(1)



III.A.2.1(1) AMEND 10 CFR 50 AND APPENDIX E (TO PART 50) (SD)

SD,SP

REVISED: 01/81

REQMENT  
GREEN

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3

(TACS: 42429) RESPONSIBLE BRANCH/DIVISION: SESD/SHSS

CONTACT: (MICHAEL JAMGOCHIAN (X35966)

OTHER OFFICE/INDIVIDUAL: NRR/FRANK PAGANO, STEVE RAMOS

PURPOSE AND SCOPE: 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 CANNOT 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.

COMMISSION ACTION: REVIEW AND APPROVE

REQUIREMENT WAS ISSUED ON 08/19/80; REPORTS DUE BY 01/02/80 AND 03/01/81; NRR TO ISSUE ORDER (02/81) TO REQUIRE IMPLEMENTATION; NRR TO ESTABLISH REVIEW SCHEDULE AFTER RECEIPT OF REPORTS.

III.A.2.1(2), AND III.A.2.1(3) STATUS INFORMATION IS INCLUDED IN III.A.2.1(1)

III.A.2.2  
REQMENT  
GREEN

DEVELOPMENT OF GUIDANCE AND CRITERIA (NRR)

NRR

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3

(TACS: 42430) RESPONSIBLE BRANCH/DIVISION: EPLB, EPPD CONTACT: FRANK PAGANO (X27846)

OTHER OFFICE/INDIVIDUAL: NRR/STEVE RAMOS

PURPOSE AND SCOPE: NRC STAFF DEVELOPING GUIDANCE AND CRITERIA NEEDED FOR EXTENSIVE IMPROVEMENTS IN EMERGENCY PREPAREDNESS AT NUCLEAR POWER PLANTS.

SCHEDULE: (ORIGINAL) ORIGINAL SCHEDULE WAS MET. (CURRENT) NUREG DOCUMENTS IN ACCOMPLISHMENTS ARE INTERIM AND WILL BE PUBLISHED IN EARLY 1981.

ACCOMPLISHMENTS: REVISION 1 TO NUREG-0654 WAS PUBLISHED NOVEMBER, 1980; APPENDIX 1 TO NUREG-0654 REPLACES NUREG-0610; REVISION 1 TO NUREG-0696 WILL BE PUBLISHED EARLY 1981.

CURRENT STATUS: AN EMERGENCY PREPAREDNESS IMPLEMENTATION APPRAISAL PACKAGE IS BEING DEVELOPED WITH WHICH TO REVIEW EMERGENCY PREPAREDNESS BASED UPON THE NEW DOCUMENTS. A MEETING OF ALL NRC EMERGENCY PREPAREDNESS PERSONNEL TO DISCUSS THIS EPIA PROGRAM IS SCHEDULED THE WEEK OF FEBRUARY 23, 1981. (PUBLICATION OF REVISION TO NUREG-0696 IS DELAYED).

ISSUES:

- \* NUREG-0737 REQUIREMENT
- \* TO BE IMPLEMENTED BY 06/01/83
- \* LICENSEES HAVE SUBMITTED COMMITMENTS
- \* NRR WILL COMPLETE COMMITMENTS REVIEW BY 05/01/81
- \* ORDERS TO BE ISSUED IN SPRING 1981
- \* IE WILL VERIFY IMPLEMENTATION

III.A.3.1  
REQMENT  
GREEN

EMERGENCY PREPAREDNESS - NRC ROLE IN RESPONDING TO  
NUCLEAR EMERGENCIES (EDO)

IE,MPA

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:

CONTACT: KEN PERKINS (X28297)

PURPOSE AND SCOPE: 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  
(GORDON FOWLER). UPDATE FOR OTHER AGENCY PROCEDURES IS BEING ADDRESSED BY FEMA IN THE  
"NATIONAL RADIOLOGICAL EMERGENCY PREPAREDNESS PLAN" DRAFT DATED 09/30/80. REVISED DRAFT  
ISSUED BY 12/31/80. REVISION TO NUREG-0610 WILL APPEAR AS APPENDIX I 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

III.A.3.2

EMERGENCY PRFPAREDNESS - IMPROVE OPERATION CENTERS (IE)

IE,ADM

REVISED: 01/81

YELLOW

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

COMMISSION(TACS: 42431) RESPONSIBLE BRANCH/DIVISION: DEP/IE

CONTACT: BERNIE WEISS (X29575)

OTHER OFFICE/INDIVIDUAL: IE/J. HIMES, L. BELL, D. ROSANO, E. WEINSTEIN, K. JACKSON

PURPOSE AND SCOPE: 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) SAME AS ORIGINAL.

ACCOMPLISHMENTS: IMPROVED OPERATIONS CENTER PROCEDURES; TWO DIRECT AND DEDICATED TELEPHONE SYSTEMS; PHYSICAL UPGRADING OF OPERATIONS CENTER; TRAINING OF RESPONSE TEAMS; EXERCISES AND DRILLS.

CURRENT STATUS: (1) OPS CENTER IMPROVEMENTS COMPLETED ON SCHEDULE. (2) OPS CENTER FINAL MODIFICATIONS AWAITING DECISIONS ON RELOCATION/CONSOLIDATION AND OVERALL COMMUNICATIONS SYSTEM. (3) REGIONAL INTERIM MODIFICATIONS HAVE BEEN MADE. FINAL MODIFICATIONS AWAIT DECISION ON OVERALL COMMUNICATIONS SYSTEM. ESTIMATE COMPLETION 6/81 FOLLOWING SUCH DECISION.

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 SPRING 1981. (SEE TASK III.A.3.3)

COMMISSION ACTON: DECIDE ON RELOCATION/CONSOLIDATION. REVIEW PAPER ON OVERALL COMMUNICATIONS SYSTEM IN SPRING 1981 AND DECIDE.

III.A.3.3(1) EMERGENCY PREPARADNESS - COMMUNICATIONS (IE)

IE,ADM,NRR

REVISED: 01/81

COMPLETE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: 42432) RESPONSIBLE BRANCH/DIVISION: DEP/IE

CONTACT: BERNIE WEISS (X29575)

OTHER OFFICE/INDIVIDUAL: IE/L. BELL, R. ROSANO, ADM/V.KERR

PURPOSE AND SCOPE: 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). FOR FUTURE OPERATING REACTORS, TELEPHONES ARE ROUTINELY BEING INSTALLED PRIOR TO FUEL LOAD.

ISSUES:

III.A.3.3(2) COMMUNICATIONS (IE)

IE,ADM,NRR

REVISED: 01/81

GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: DEP/IE CONTACT: BERNIE WEISS (X29575)  
OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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

CURRENT STATUS: TO ISSUE REQUISITION IN EARLY 1981. LIMITED CAPABILITY SYSTEM TO BE OBTAINED FOR  
INTERIM WHILE AWAITING DELIVERY.

ISSUES:



III.A.3.3(3) EMERGENCY PREPAREDNESS - COMMUNICATIONS (IE)

IE,ADM,NRR

REVISED: 01/81

COMPLETE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: DEP/IE

CONTACT: BERNIE WEISS (X29575)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: COORDINATE WITH OTHER AGENCIES TO SUPPLEMENT FIELD RADIOS.

SCHEDULE: (ORIGINAL) CONTINUE (CURRENT) SAME AS ORIGINAL.

ACCOMPLISHMENTS:

CURRENT STATUS: COMPLETE - CONTINUING.

ISSUES:

III.A.3.3(4) EMERGENCY PREPAREDNESS - COMMUNICATIONS (IE)  
YELLOW \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
COMMISSION(TACS: ) RESPONSIBLE BRANCH/DIVISION: DEP/IE

IE,ADM,NRR

REVISED: 01/81

CONTACT: BERNIE WEISS (X29575)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: STUDY THE NEED FOR A BACKUP COMMUNICATIONS SYSTEM AND PRESENT A COMMISSION PAPER.

SCHEDULE: (ORIGINAL) AUGUST 1980. (CURRENT) SPRING 1981. (SEE CURRENT STATUS)

ACCOMPLISHMENTS: A HF RADIO BACKUP SYSTEM HAS BEEN PURCHASED AND IS IN TRIAL USE IN REGION II. RESULTS OF THE TRIAL PROGRAM WILL BE AVAILABLE FOR THE PAPER.

CURRENT STATUS: ESTIMATE PAPER ON BACKUP SYSTEM (AND ENTIRE COMMUNICATIONS SYSTEM) WILL BE SUBMITTED SPRING 1981 ( 8 OR 9 MONTHS LATE).

ISSUES: THE BACKUP SYSTEM STUDY WAS DELAYED WHILE PREPARING REPORTS ON THE OVERALL SYSTEM TO CONGRESS. THIS STUDY WILL BE MADE PART OF A REPORT ON THE ENTIRE SYSTEM RATHER THAN DEALING SEPARATELY WITH A BACKUP SYSTEM.

COMMISSION ACTION: REVIEW COMMISSION PAPER AND DECIDE IN SPRING 1981.

III.A.3.3(5) EMERGENCY PREPAREDNESS - COMMUNICATIONS (IE)

IE,ADM,HRR

REVISED: 01/81

COMPLETE

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: DEP/IE

CONTACT: BERNIE WEISS (X29575)

OTHER OFFICE/INDIVIDUAL: HRR/E. MARKEE, W. BIVINS

PURPOSE AND SCOPE: 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:

III.A.3.3(6) EMERGENCY PREPAREDNESS - COMMUNICATIONS (IE)

IE.ADM.NRR

REVISED: 01/81

COMPLETE \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: DEP/IE

CONTACT: BERNIE WEISS (X29575)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: LIASION WITH OTHER AGENCIES

SCHEDULE: (ORIGINAL) CONTINUE. (CURRENT) SAME AS ORIGINAL.

ACCOMPLISHMENTS:

CURRENT STATUS: COMPLETE - CONTINUING.

ISSUES:

III.A.3.4

NUCLEAR DATA LINK (IE)

IE,RES,ADM

REVISED: 01/81

GREEN

\*\*COMPLETION DATE > FY81 \*PRIORITY 3

COMMISSION(TACS: 42148) RESPONSIBLE BRANCH/DIVISION: DEP/IE CONTACT: BERNIE WEISS (X29575)

OTHER OFFICE/INDIVIDUAL: RES/O. BASSETT; NRR/W. MINNERS

PURPOSE AND SCOPE: 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 2/80. (2) COMMISSION DECISIONS TO DETERMINE FUTURE DIRECTION. (CURRENT) SAME

ACCOMPLISHMENTS:

CURRENT STATUS: (1) PHASE 1 STUDY COMPLETED. (2) COMMISSION DECISION TO DETERMINE FUTURE DIRECTION. SEVERAL REPORTS AND PAPERS HAVE BEEN ISSUED. STAFF TO PROVIDE COMMISSION PAPER IN JANUARY 1981 ON MOVING FORWARD.

ISSUES: THIS ITEM IS NOT BEHIND THE SCHEDULE GIVEN IN THE ACTION PLAN. PRIORITY 3 ALLOWS UP TO TWO YEARS TO INITIATE ACTION. HOWEVER, THE DECISION ON FUTURE DIRECTION HAS NOT YET BEEN MADE.

COMMISSION ACTION: REVIEW COMMISSION PAPER (JANUARY 1981) AND DECIDE ON FUTURE DIRECTION.

III.A.3.5  
GREEN

EMERGENCY PREPAREDNESS - TRAINING, DRILLS, AND TESTS (IE)

IE

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -

(TACS: ) RESPONSIBLE BRANCH/DIVISION: DEP/IE

CONTACT: BERNIE WEISS (X29575)

OTHER OFFICE/INDIVIDUAL: IE/L. BELL, J. HIMES, D. ROSANO

PURPOSE AND SCOPE: 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:

CURRENT STATUS: CONTINUING ACTIVITIES AS INDICATED IN THE ACTION PLAN. A COMMISSION PAPER ON THE MASTER

SCHEDULE WILL BE PROVIDED IN EARLY 1981.

ISSUES:



III.A.3.6(1) EMERGENCY PREPAREDNESS - NRC AND OTHER AGENCIES (EDO)

IE

REVISED: 01/81

GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2

COMMISSION(TACS: ) RESPONSIBLE BRANCH/DIVISION:

CONTACT: KEN PERKINS (X28297)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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. FEMA PUBLISHED A REVISED DRAFT FOR COMMENT 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.

ISSUES:

COMMISSION ACTION: REVIEW

III.A.3.6(2) AND III.A.3.6(3) STATUS INFORMATION IS INCLUDED IN III.A.3.6(1)

III.B.1  
COMPLETE

TRANSFER OF EMERGENCY PREPAREDNESS RESPONSIBILITIES TO FEMA (EDO) IE,ADM,CON

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: ) RESPONSIBLE BRANCH/DIVISION:

CONTACT: KEN PERKINS (X28297)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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:

III.B.2(1)  
GREEN

IMPLEMENTATION OF NRC'S AND FEMA'S RESPONSIBILITIES (EDO)

IE

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 1

(TACS: 42433) RESPONSIBLE BRANCH/DIVISION: EDO

CONTACT: KEN PERKINS (X28297)

OTHER OFFICE/INDIVIDUAL: IE/B. GRIMES

PURPOSE AND SCOPE: 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) SAME AS ORIGINAL.

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:

III.B.2(2) STATUS INFORMATION IS INCLUDED IN III.B.2(1)

III.C.1(1)  
YELLOW

PUBLIC INFORMATION - PROVIDE TO NEWS MEDIA AND PUBLIC (OPA)

OPA,IE

REVISED: 10/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: OPA  
OTHER OFFICE/INDIVIDUAL:

CONTACT: FRANK INGRAM (X27715)

PURPOSE AND SCOPE: 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; RECOMMEND DOE PUBLISH ADDITIONAL INFORMATION (OPEN); PILOT PROGRAM - SEMINARS FOR NEWS MEDIA 06/80

ACCOMPLISHMENTS: REVIEW OF PUBLICLY AVAILABLE DOCUMENTS COMPLETE 06/80.  
CURRENT STATUS: DOE INITIATING DEVELOPMENT OF NEW LITERATURE; NRC RECOMMENDATION MAY NOT BE NECESSARY.  
SEMINARS NOT GIVEN OUTSIDE NRC.

ISSUES: QUESTION OF PROPRIETY OF NRC SPONSORING SEMINARS HAS TO BE RESOLVED.

III.C.1(2) AND III.C.1(3) STATUS INFORMATION IS INCLUDED IN III.C.1(1)

III.C.2(1)  
GREEN

PUBLIC INFORMATION - PROVIDE TRAINING (OPA)  
\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: OPA  
OTHER OFFICE/INDIVIDUAL:

OPA

REVISED: 10/80

CONTACT: FRANK INGRAM (X27715)

PURPOSE AND SCOPE: 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

III.C.2(2) STATUS INFORMATION IS INCLUDED IN III.C.2(1)

III.D.1.1(1) PRIMARY COOLANT SOURCES OUTSIDE THE CONTAINMENT STRUCTURE (NRR) NRR

REVISED: 01/81

REQMENT \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
YELLOW (TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI CONTACT: DICK BANGART (X27633)

OTHER OFFICE/INDIVIDUAL: NRR/V. MALAFEEW, W. GAMMILL, D. COLLINS

PURPOSE AND SCOPE: REVIEW DATA SUBMITTED IN RESPONSE TO CATEGORY A LESSONS-LEARNED SHORT-TERM  
RECOMMENDATION 2.1.G.A ON SYSTEM LEAKAGE.

SCHEDULE: (ORIGINAL) REQUIREMENTS ISSUED 09/79; REQUIREMENTS CLARIFIED 10/79. (CURRENT) SEE ISSUES

ACCOMPLISHMENTS: LEAK RATE TESTING RESULTS OR TESTING COMMITMENTS TO SATISFY LESSONS LEARNED  
SHORT-TERM RECOMMENDATION 2.1.6.A COMPLETED 01/01/80. REQUESTS FOR PROPOSALS ISSUED TO THREE NATIONAL  
LABS IN DECEMBER 1980.

CURRENT STATUS: POTENTIAL NATIONAL LABORATORY CONTRACTORS ARE BEING EVALUATED TO DETERMINE THE  
BEST QUALIFIED TO PERFORM THE SYSTEM LEAKAGE EVALUATION.  
ISSUES:



III.D.1.1(2) PRIMARY COOLANT SOURCES OUTSIDE THE CONTAINMENT STRUCTURE (NRR) NRR

REVISED: 01/81

REQMENT \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
YELLOW (TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI CONTACT: DICK BANGART (X27633)

OTHER OFFICE/INDIVIDUAL: NRR/V. MALAFEEW, W. GAMMILL

PURPOSE AND SCOPE: NRR CONTRACTOR WILL REVIEW INFORMATION ON DESIGN FEATURES TO PREVENT, MINIMIZE AND  
DETECT LEAKAGE FOR SYSTEMS THAT MAY CONTAIN HIGHLY RADIOACTIVE FLUIDS AFTER AN ACCIDENT.

SCHEDULE: (ORIGINAL) ISSUE CONTRACT IN FY80

(CURRENT) ISSUE CONTRACT 2/81

ACCOMPLISHMENTS: REQUESTS FOR PROPOSALS ISSUED TO THREE NATIONAL LABS IN DECEMBER 1980.

CURRENT STATUS: AWAITING NATIONAL LABORATORY CONTRACTOR PROPOSALS TO DETERMINE THE BEST QUALIFIED.  
ISSUES:

III.D.1.1(3) PRIMARY COOLANT SOURCES OUTSIDE THE CONTAINMENT STRUCTURE (NRR) NRR

REVISED: 01/81

REQMENT  
RED

\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI CONTACT: DICK BANGART (X27633)

OTHER OFFICE/INDIVIDUAL: NRR/V. MALAFEEW, W. GAMMILL

PURPOSE AND SCOPE: BASED ON RESULTS OF III.D.1.1(2). DEVELOP PROPOSED SYSTEM ACCEPTANCE  
CRITERIA FOR DESIGN FEATURES TO MINIMIZE OR DETECT LEAKAGE FOR DEGRADED CORE RULEMAKING.

SCHEDULE: (ORIGINAL) FY81  
(CURRENT) FY82

ACCOMPLISHMENTS: REQUESTS FOR PROPOSALS ISSUED TO THREE NATIONAL LABS IN DECEMBER 1980.  
CURRENT STATUS: AWAITING NATIONAL LABORATORY CONTRACTOR PROPOSALS TO DETERMINE THE BEST QUALIFIED.  
ISSUES:

III.D.1.2  
INACTIVE  
GREEN

RADIOACTIVE GAS MANAGEMENT (NRR)

NRR, RES, ADM

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 3

(TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI CONTACT: DICK BANGART (X27633)

OTHER OFFICE/INDIVIDUAL: NRR/W.GAMMILL, V. MALAFEEW,

PURPOSE AND SCOPE: 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) SAME AS ORIGINAL.

ACCOMPLISHMENTS: NONE

CURRENT STATUS: NONE

ISSUES: 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.

III.D.1.3(1) VENTILATION SYSTEM AND RADIOIODINE ADSORBER CRITERIA (NRR)

NRR,IE,RES,ADM

REVISED:01/810

INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 2  
GREEN (TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI CONTACT: DICK BANGART (X27633)

OTHER OFFICE/INDIVIDUAL: NRR/W. GAMMILL, C. MILLER

PURPOSE AND SCOPE: 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) EVALUATE NEED FOR LICENSEE REVIEW OF AIRBORNE RAD. MAT'L. CONTROL 09/30/82.

IF NECESSARY, REQUIRE LICENSEE TO UPGRADE FILTRATION SYSTEMS 09/30/82. (CURRENT) SAME

ACCOMPLISHMENTS: N/A

CURRENT STATUS: N/A

ISSUES: N/A

III.D.1.3(2) VENTILATION SYSTEM AND RADIOIODINE ADSORBER CRITERIA (NRR)

HRR,IE,RES,ADM

REVISED: 01/81

GREEN

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: DSI/ETSB CONTACT: DICK BANGART (X27633)

OTHER OFFICE/INDIVIDUAL: NRR/W. GAMMILL

PURPOSE AND SCOPE: REVISE APPROPRIATE STANDARD REVIEW PLANS (9.4.1, 9.4.2, 9.4.3, 9.4.4, 9.4.5, 11.3, 12.2) AND REG. GUIDES 1.52 AND 1.140.

SCHEDULE: (ORIGINAL) REVISE GEG. GUIDES 1.52 AND 1.40, AS NECESSARY

(CURRENT) ALL STANDARD REVIEW PLANS BEING REVISED

ACCOMPLISHMENTS: STANDARD REVIEW PLAN REVISION UNDERWAY AS OF 01/81.

CURRENT STATUS:

ISSUES:

III.D.1.3(3) VENTILATION SYSTEM AND RADIOIODINE ADSORBER CRITERIA (NRR)

NRR,IE,RES,ADM

REVISED: 01/81

INACTIVE  
GREEN

\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI CONTACT: DICK BANGART (X27633)  
OTHER OFFICE/INDIVIDUAL: NRR/C.MILLER, W. GAMMILL

PURPOSE AND SCOPE: IMPLEMENT SURVEILLANCE TESTING OF NON-ESF FILTRATION SYSTEMS AND DEVELOP  
ADDITIONAL CRITERIA FOR RADIOIODINE ADSORBER HOLDING CAPACITY.

SCHEDULE: (ORIGINAL) DEVELOP CRITERIA FOR HOLDING CAPACITY AMEND TECH SPECS TO REQUIRE  
SURVEILLANCE REQUIREMENTS. (CURRENT) SAME AS ORIGINAL.

ACCOMPLISHMENTS: NO ACTIVITY UNTIL FY82

CURRENT STATUS: N/A

ISSUES:



III.D.1.3(4) VENTILATION SYSTEM AND RADIOIODINE ADSORBER CRITERIA (NRR)

NRR,IE,RES,ADM

REVISED: 01/81

GREEN

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI CONTACT: DICK BANGART (X27633)

OTHER OFFICE/INDIVIDUAL: NRR/R.SHERRY, C.MILLER, W. GAMMILL

PURPOSE AND SCOPE: CONDUCT RESEARCH TO EVALUATE RADIOIODINE COLLECTION MEDIA PERFORMANCE UNDER ACCIDENT CONDITIONS.

SCHEDULE: (ORIGINAL) INITIATE RESEARCH AT NAVAL RESEARCH LABORATORY (NRL) ON PERFORMANCE OF ACTIVATED CHARCOAL UNDER ACCIDENT CONDITIONS 10/80. (CURRENT) SAME AS ORIGINAL.

ACCOMPLISHMENTS: RESEARCH INITIATED AT NRL ON 10/80

CURRENT STATUS:

ISSUES:

III.D.1.4  
INACTIVE  
GREEN

RADWASTE SYSTEM DESIGN FEATURES TO AID IN ACCIDENT

NRR,SD,ADM

REVISED: 01/81

RECOVERY AND DECONTAMINATION (NRR)

\*\*COMPLETION DATE > FY81 \*PRIORITY 3

(TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI

CONTACT: RICHARD BANGART (X27633)

OTHER OFFICE/INDIVIDUAL: NRR/W.GAMMILL

PURPOSE AND SCOPE: NRR 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) ISSUE A CONTRACT TO INITIATE THE STUDY 10/81. (CURRENT) SAME AS ORIGINAL.

ACCOMPLISHMENTS: NONE

CURRENT STATUS: N/A

ISSUES: N/A

III.D.2.1(1) RADIOLOGICAL MONITORING OF EFFLUENTS (NRR)

NRR,SD,ADM

REVISED: 01/81

INACTIVE  
GREEN

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI CONTACT: PHIL STODDART (X27682)

OTHER OFFICE/INDIVIDUAL: NRR/W. GAMMIL, R. BANGART

PURPOSE AND SCOPE: 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) ISSUE CONTRACT TO INITIATE THE SUBJECT STUDY 10/81. (CURRENT) SAME AS ORIGINAL.

ACCOMPLISHMENTS: NONE

CURRENT STATUS: N/A

ISSUES: N/A

III.D.2.1(2) RADIOLOGICAL MONITORING OF EFFLUENTS (NRR)

NRR,SD,ADM

REVISED: 01/81

INACTIVE  
GREEN

\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: )

RESPONSIBLE BRANCH/DIVISION: ETSB/DSI

CONTACT: DICK BANGART (X27633)

OTHER OFFICE/INDIVIDUAL: NRR/P. STODDART, W. GAMMILL

PURPOSE AND SCOPE: FEASIBILITY STUDY OF REQUIRING DEVELOPMENT OF PWR ATMOSPHERIC STEAM DUMP  
MONITORING OF BOTH NOBLE GAS AND RADIOIODINE AFTER AN ACCIDENT

SCHEDULE: (ORIGINAL) AWARD CONTRACT FOR FEASIBILITY STUDY 10/81. (CURRENT) SAME AS ORIGINAL.

ACCOMPLISHMENTS: N/A

CURRENT STATUS: N/A

ISSUES:

III.D.2.1(3) RADIOLOGICAL MONITORING OF EFFLUENTS (NRR)

NRR,SD,ADM

REVISED: 01/81

INACTIVE \*\*COMPLETION DATE > FY81 \*PRIORITY 2

GREEN (TACS: ) RESPONSIBLE BRANCH/DIVISION: ETSB/DSI CONTACT: DICK BANGART (X27633)

OTHER OFFICE/INDIVIDUAL: NRR/P. STODDART, W. GAMMILL

PURPOSE AND SCOPE: USE RESULTS OF III.D.2.1(1) AND (2) TO REVISE REG. GUIDES 1.21 AND 1.97, AS NECESSARY.

SCHEDULE: (ORIGINAL) EVALUATION OF III.D.2.1(1) AND (2) RESULTS FOR NEED TO REVISE R.G. 1.21 AND 1.97

AND REVISION OF PROPOSAL PREPARATION FY83. (CURRENT) SAME AS ORIGINAL.

ACCOMPLISHMENTS: NONE

CURRENT STATUS: N/A

ISSUES:

III.D.2.2(1) RADIOIODINE, CARBON-14, AND TRITIUM PATHWAY DOSE ANALYSIS (NRR) NRR,SD,RES,ADM  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3

REVISED: 01/81

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RAB/DSI CONTACT: FRANK CONGEL (X27542)  
OTHER OFFICE/INDIVIDUAL: NRR/R. BANGART, W. PASEDAG

PURPOSE AND SCOPE: (1) IMPROVE UNDERSTANDING AT RADIOIODINE PARTITIONING IN THE PRIMARY COOLANT AND  
CONTAINMENT DURING NORMAL AND ACCIDENT CONDITIONS. (2) BEHAVIOR OF RADIOIODINE, CARBON-14, AND  
TRITIUM IN THE ENVIRONMENT WILL BE MODELED AND USED IN REACTOR ASSESSMENTS.

SCHEDULE: (ORIGINAL) PNL CONTRACT TO STUDY FOOD PATH BEHAVIOR OF I2 AT TMI 10/80; REQUEST TO RES TO  
DETERMINE I2 SPECIES DURING NORMAL/ACCIDENT CONDITIONS 09/80; USE RESULTS OF ABOVE STUDY &  
ESTABLISH ENVIRONMENTAL BEHAVIOR OF I2 09/82. (CURRENT) UPDATE UNAVAILABLE.

ACCOMPLISHMENTS: PNL CONTRACT DESCRIBING I BEHAVIOR IN TMI SITE ENVIRONS DUE MOMENTARILY.

CURRENT STATUS: RES USERS REQUEST IS BEING PREPARED.

ISSUES: NONE

III.D.2.2(2), III.D.2.2(3), AND III.D.2.2(4) STATUS INFORMATION IS INCLUDED IN III.D.2.2(1)



III.D.2.3(1) LIQUID PATHWAY RADIOLOGICAL CONTROL (NRR)

NRR

REVISED: 10/80

YELLOW

\*\*COMPLETION DATE > FY81 \*PRIORITY 3  
(TACS: 12523) RESPONSIBLE BRANCH/DIVISION: HGE/DOE CONTACT: WILLIAM BIVINS (X28003)  
OTHER OFFICE/INDIVIDUAL: NRR/R. BALLARD

PURPOSE AND SCOPE: 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. EVALUATION OF OTHER SITES WAS TO BEGIN IN FY 82 OR LATER. (CURRENT) WITH THE EXCEPTION OF THE ITEM NOTED UNDER CURRENT STATUS, THIS EFFORT IS ON SCHEDULE.

ACCOMPLISHMENTS: EVALUATION OF THE LIQUID PATHWAY EFFECTS OF A CLASS 9 ACCIDENT FOR THE ZION UNIT AND FOR THE SUMMER UNIT ARE COMPLETE AND HAVE BEEN PROVIDED TO PROJECT MANAGEMENT. COMPLETED AUGUST 8 AND ABOUT JULY 15, RESPECTIVELY. THE SUMMER ANALYSES HAVE BEEN REVISED TO REFLECT WATER USE AND FISHERIES UPDATE AND WILL BE SUPPLIED TO PM BY 10/30/80.

CURRENT STATUS: THE INDIAN POINT REVIEW IS ABOUT 20 - 30 PERCENT COMPLETE. THE GROUNDWATER PATHWAY FOR THIS UNIT IS UNIQUE AND PROVIDES LITTLE OPPORTUNITY FOR HOLDUP OF AN ACCIDENTAL RELEASE FROM THE PLANT. THIS HAS REQUIRED A MORE DETAILED ASSESSMENT OF THE LIQUID PATHWAY USERS AND ITS AFFECT ON MAN. DATA IS BEING COLLECTED TO BETTER DEFINE THE FOOD CHAIN PATHWAY AND TO FURTHER DEFINE INFORMATION DESCRIBING THE GROUNDWATER PATHWAY. WE ARE UNAWARE OF ANY ADVERSE IMPACT ON OTHER PHASES OF THIS STUDY. MODELS ARE BEING FURTHER REFINED BASED UPON OUR EXPERIENCE WITH THE INDIAN POINT-ZION-SUMMER EXERCISE.

ISSUES: THE ACTION PLAN PROVIDES INADEQUATE GUIDANCE WITH RESPECT TO THE EVALUATION OF OTHER PLANTS. IT CALLS FOR ADDITIONAL SITE WORK TO BE INITIATED IN FY 82 OR LATER. THIS IS NOT CONSISTENT WITH THE REQUIREMENTS PLACED ON THIS BRANCH BY THE NRC REVIEW REQUIREMENTS THAT WE ASSESSED THE LIQUID PATHWAY. MODIFICATION OF THE ACTION PLAN SCHEDULE WILL BE REQUIRED, BUT IS NOT YET ACCOMPLISHED. THE FINAL SCHEDULES WILL BE AFFECTED SOMEWHAT BY RULEMAKING ON CLASS 9 ACCIDENTS.

III.D.2.3(2), III.D.2.3(3), AND III.D.2.3(4) STATUS INFORMATION IS INCLUDED IN III.D.2.3(1)

III.D.2.4(1) OFFSITE DOSE MEASUREMENTS (RES)

NRR,RES,IE,ADM

REVISED: 01/81

YELLOW

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3

(TACS: ) RESPONSIBLE BRANCH/DIVISION:

CONTACT:

OTHER OFFICE/INDIVIDUAL: NRR/W. MEINEKE

PURPOSE AND SCOPE: RES WILL STUDY THE FEASIBILITY OF ENVIRONMENTAL MONITORS CAPABLE OF MEASURING

REAL-TIME RATES OF EXPOSURE TO UNMONITORED RELEASES OF RAM.

SCHEDULE: (ORIGINAL)

(CURRENT) UPDATE UNAVAILABLE.

ACCOMPLISHMENTS:

CURRENT STATUS: NRR WORK EFFORT WILL BE INITIATED IN RAB AND WILL INVOLVE INPUT FROM EMERGENCY

PLANNING OFFICE.

ISSUES:

III.D.2.4(2)  
GREEN

OFFSITE DOSE MEASUREMENTS (IE)

NRR,RES,IE,ADM

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: DSRSI/IE

CONTACT: LARRY COHEN (X28188)

OTHER OFFICE/INDIVIDUAL: IE/M. SLOBODIEN

PURPOSE AND SCOPE: 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:

CURRENT STATUS: (1) INSTALLATION OF DOSIMETERS COMPLETED ON SCHEDULE. (2) PROCEEDING TO IMPLEMENT  
SOFTWARE FOR QUARTERLY REPORTS 4/81.

ISSUES:

III.D.2.5  
INACTIVE  
GREEN

OFFSITE DOSE CALCULATION MANUAL (NRR)

NRR,IE

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 3

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RAB/DSI

CONTACT: FRANK CONGEL (X27542)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: PREPARE A DOSE MANUAL THAT CAN BE USED BY LICENSEE AND NRC STAFF TO QUICKLY EVALUATE  
OFFSITE DOSES DURING AN ACCIDENT.

SCHEDULE: (ORIGINAL) (CURRENT) DELAYED UNTIL FY 82.

ACCOMPLISHMENTS: NONE

CURRENT STATUS:

ISSUES: THERE APPEARS TO BE REDUNDANT EFFORT ON PRODUCING THIS MANUAL. EPPD AND I&E ARE EITHER DRAFTING  
OR HAVE DRAFTED A MANUAL TO ACCOMPLISH THIS SAME GOAL. RAB IS PARTICIPATING IN THE REVIEW AND  
PREPARATION OF THESE MANUALS. ADDITIONAL EFFORT BY RAB MAY NOT BE NECESSARY IF THE FINAL MANUAL  
MEETS THE NEEDS OF THIS TAP.

III.D.2.6  
GREEN

INDEPENDENT RADIOLOGICAL MEASUREMENTS (IE)

IE

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY -

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: DRSI/IE

CONTACT: LARRY COHEN (X28188)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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.

ACCOMPLISHMENTS:

CURRENT STATUS: TASK FORCE REPORT ON INDEPENDENT MEASUREMENTS COMPLETED. ALL REGIONS HAVE FULLY EQUIPPED MOBILE LABS. TO UPGRADE INSPECTION PROGRAM 6/82. TO COMPLETE INSTALLATION OF EQUIPMENT IN REGIONAL OFFICES 6/83.

ISSUES:

III.D.3.1(1) RADIATION PROTECTION PLANS (NRR)

NRR,SD

REVISED: 01/81

YELLOW

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS:42928) RESPONSIBLE BRANCH/DIVISION: RAB/DSI CONTACT: RICH SERBU (X27621)

OTHER OFFICE/INDIVIDUAL: IE/J. CUNNINGHAM; DSI/D. COLLINS

PURPOSE AND SCOPE: TO ASSURE A COMPREHENSIVE RADIATION PROTECTION PROGRAM THAT WILL FUNCTION EFFECTIVELY DURING ROUTINE OPERATIONS, ANTICIPATED OPERATIONAL OCCURRENCES AND EMERGENCIES.

SCHEDULE: (ORIGINAL) NUREG-0660 ISSUED. INITIATE WORK. (CURRENT) LETTER TO LICENSEES NOTIFYING OF ACTION 05/80; DRAFT PLAN GUIDE CIRCULATED WITHIN NRC FOR COMMENT 09/80; PLAN GUIDE DISCUSSED WITH ACRS, 12/80; ISSUE DRAFT PLAN GUIDE FOR PUBLIC COMMENT, 02/81.

ACCOMPLISHMENTS: DRAFT GUIDE CIRCULATED WITHIN NRR FOR COMMENT. IE HP APPRAISALS PROVIDING INFORMATION FOR INCORPORATION INTO GUIDE.

CURRENT STATUS: BECAUSE OF HP APPRAISAL FINDINGS SCHEDULE HAS BEEN MOVED UP FOR ISSUANCE OF REQUIREMENT TO DEVELOP AND IMPLEMENT RADIATION PROTECTION PLANS. NEW SCHEDULE WOULD REQUIRE DEVELOPMENT EARLY NEXT YEAR AND WOULD REQUIRE THAT LASTING SOLUTIONS TO APPRAISAL FINDINGS BE INCORPORATED IN THE PLAN.

ISSUES: ACCELERATED SCHEDULE WILL TAX MANPOWER.

III.D.3.1(2) THROUGH III.D.3.1(9) STATUS INFORMATION IS INCLUDED IN III.D.3.1(1)



III.D.3.2(1) HEALTH PHYSICS IMPROVEMENTS (SD)

SD

REVISED: 01/81

GREEN

\*\*COMPLETION DATE > FY81 \*PRIORITY -

(TACS: ) RESPONSIBLE BRANCH/DIVISION: OHSB

CONTACT: ROBERT ALEXANDER (X35975)

OTHER OFFICE/INDIVIDUAL: OHSB/N. DENNIS (X35970)

PURPOSE AND SCOPE: ESTABLISH REGULATORY CERTIFICATION PROGRAM FOR PERSONNEL DOSIMETRY PROCESSORS.

SCHEDULE: (ORIGINAL) DECISION GROUP D (CURRENT) PUBLICATION OF PROPOSED RULE FOR COMMENTS 07/81; 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.

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).

III.D.3.2(2) HEALTH PHYSICS IMPROVEMENTS (SD)

SD

REVISED: 01/81

GREEN

\*\*COMPLETION DATE > FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: OHSB  
OTHER INDIVIDUAL: OHSB/S.MCGUIRE

CONTACT: ROBERT ALEXANDER (X35975)

PURPOSE AND SCOPE: SPECIFY ACCEPTABLE PROGRAMS FOR USE OF AUDIBLE ALARM DOSIMETERS  
SCHEDULE: (ORIGINAL) DECISION GROUP D (CURRENT) ACTIVE GUIDE TO BE PUBLISHED IN APRIL, 1981.  
ACCOMPLISHMENTS: PUBLICATION OF DRAFT GUIDE FOR COMMENT AUGUST, 1979.  
CURRENT STATUS: ELD REVIEW IN PROGRESS. FINAL EDITING AND OFFICE CONCURRENCE ARE NEXT STEPS.  
ISSUES:

III.D.3.2(3) HEALTH PHYSICS IMPROVEMENTS (SD)

SD

REVISED: 01/81

GREEN \*\*COMPLETION DATE > FY81 \*PRIORITY -  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: OHSB/SH55 CONTACT: ROBERT ALEXANDER (35975)  
OTHER INDIVIDUAL: OHSB/WALTER S. COOL  
PURPOSE AND SCOPE: 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.  
SCHEDULE: (ORIGINAL) DECISION GROUP D. (CURRENT) INITIAL DRAFT REGULATION 12-30-83, PROPOSED RULE  
PUBLISHED IN FR 09-28-84.  
ACCOMPLISHMENTS: RFPA NRC-1-80-021 TRANSMITTED TO DIVISION OF CONTRACTS 3-25-80.  
CURRENT STATUS: ANSI N42 WORKING GROUP ESTABLISHED, PERFORMANCE STANDARD(S) BEING DRAFTED. CONTRACT NOT  
YET ADVERTISED.  
ISSUES:

III.D.3.2(4) STATUS INFORMATION IS INCLUDED IN III.D.3.2(3)

III.D.3.3(1)  
REQMENT  
GREEN

INPLANT RADIATION MONITORING (NRR)

NRR.SD

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3

(TACS:43278) RESPONSIBLE BRANCH/DIVISION: RAB/DSI

CONTACT: DOUG COLLINS (X27614)

OTHER OFFICE/INDIVIDUAL: NRR/C. HINSON

PURPOSE AND SCOPE: 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. (CURRENT) SAME AS ORIGINAL.

ACCOMPLISHMENTS: CATEGORY A SER, 3/80 - ABILITY TO DETECT IODINE.

CURRENT STATUS: MOST LICENSEES CAN MEASURE RADIOIODINE CONCENTRATIONS NOW BECAUSE THEY WILL USE SILVER ZEOLITE CARTRIDGES WITH A SINGLE CHANNEL ANALYZER. THE COUNTING CAN BE DONE IN A LOW BACKGROUND AREA, SUCH AS THE TECHNICAL SUPPORT CENTER.

ISSUES: NONE

REQUIREMENT WAS ISSUED ON 05/07/80; LICENSEE TO IMPLEMENT BY 01/01/81;  
REPORTS TO BE SUBMITTED BY 12/01/80; NRR IS EVALUATING REPORTS; NRR  
TO ISSUE ORDER IN 02/81 ADDRESSING PLANT SPECIFIC REQUIREMENTS; OIE  
TO VERIFY IMPLEMENTATION.

III.D.3.3(2) STATUS INFORMATION IS INCLUDED IN III.D.3.3(1)

III.D.3.3(3) INPLANT RADIATION MONITORING (SD)

NRR,SD

REVISED: 11/80

YELLOW

\*\*COMPLETION DATE

\*PRIORITY 3

(TACS: )

RESPONSIBLE BRANCH/DIVISION:

CONTACT:

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE:

(NRR REASSIGNED LEAD ON THIS TASK TO SD 01/81)

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE-01/81).

III.D.3.3(4) INPLANT RADIATION MONITORING (SD))  
YELLOW \*\*COMPLETION DATE \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:  
PURPOSE AND SCOPE:

NRR,SD

REVISED: 11/80

CONTACT:

(NRR REASSIGNED LEAD ON THIS TASK TO SD 01/81)

(STATUS INFORMATION WAS NOT PROVIDED FOR INCLUSION IN THIS UPDATE-01/81).



III.D.3.4(1) CONTROL ROOM HABITABILITY (NRR)

NRR.SD.IE

REVISED: 01/81

REQMENT  
GREEN

\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: 42235) RESPONSIBLE BRANCH/DIVISION: AEB/DSI CONTACT: HARRY KRUG (X27849)  
OTHER OFFICE/INDIVIDUAL: IE/M. KIDD; NRR/T. QUAY

PURPOSE AND SCOPE: 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 ON SCHEDULED LICENSEES TO SUBMIT DETAILED INFORMATION PER 7 MAY 1980 LETTER BY 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. SATISFY OPERATING REACTORS REQUIREMENTS AS PER (1) ABOVE ON A CASE-BY-CASE BASIS. (CURRENT) SAME AS ORIGINAL.

ACCOMPLISHMENTS: (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.

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/PROBLEMS: 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 TA FUNDING IS INADEQUATE TO COMPLETE ALL OPERATING REACTOR REVIEWS.

REQUIREMENT WAS ISSUED ON 05/07/80; REPORTS DUE BY 01/01/81; NRR IS REVIEWING REPORTS AND WILL ADDRESS THE REQUIREMENT IN AN ORDER TO BE ISSUED IN 02/81; NRR IS ESTABLISHING THE REVIEW SCHEDULE.

III.D.3.4(2) REVISION OF STANDARD REVIEW PLAN 6.4 (NRR)

NRR,SD,IE

REVISED: 01/81

REQMENT  
GREEN

\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
(TACS: 43272) RESPONSIBLE BRANCH/DIVISION: AEB/DSI CONTACT: HARRY KRUG (X27849)  
OTHER OFFICE/INDIVIDUAL: IE/M. KIDD; NRR/T. QUAY

PURPOSE AND SCOPE: IN CONJUNCTION WITH THE DEGRADED CORE RULEMAKING (ITEM II.B.8), OTHER SOURCES AND PATHWAYS OF RADIOACTIVITY AND RADIATION THAT MAY LEAD TO CONTROL ROOM HABITABILITY PROBLEMS WILL BE EVALUATED. THIS EFFORT MAY RESULT IN THE NEED TO REVISE SRP 6.4.

(SEE  
II.B)

SCHEDULE: (ORIGINAL) PROMULGATION OF III.D.3.4

(CURRENT) SCHEDULE TO BE DEVELOPED DEPENDING UPON RULEMAKING  
ACCOMPLISHMENTS: DEPENDS ON THE DEGRADED CORE RULEMAKING SCHEDULE AND, THEREFORE, NO ACTION HAS BEEN INITIATED ON THIS ITEM.

CURRENT STATUS:

ISSUES/PROBLEMS:

- \* NUREG-0737 REQUIREMENT
- \* TO BE IMPLEMENTED BY TBD
- \* LICENSEES HAVE SUBMITTED COMMITMENTS
- \* NRR WILL COMPLETE COMMITMENTS REVIEW BY 05/01/81
- \* ORDERS TO BE ISSUED IN SPRING 1981
- \* IE WILL VERIFY IMPLEMENTATION

III.D.3.5(1) RADIATION WORKER EXPOSURE DATA BASE (SD)

SD

REVISED: 01/81

GREEN

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RHSB/DSHSS CONTACT: ROBERT GOLDSMITH (X35860)

OTHER OFFICE/INDIVIDUAL: RHSB/D. FLACK

PURPOSE AND SCOPE: 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) SAME

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.

ISSUES:

III.D.3.5(2) RADIATION WORKER EXPOSURE BASE (SD)

NRR,SD,IE

REVISED: 01/81

GREEN

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RHSB/OSHSS CONTACT: ROBERT GOLDSMITH (35860)

OTHER OFFICE/INDIVIDUAL: RHSB/DIANE FLACK

PURPOSE AND SCOPE: INVESTIGATE MEANS OF OBTAINING EMPLOYEE HEALTH DATA BY NON-LEGISLATIVE MEANS.

SCHEDULE: (ORIGINAL) DECISION GROUP D

(CURRENT) COMPLETION BY END OF FY81

ACCOMPLISHMENTS: INITIAL COORDINATION WITH DOE, AIF, EPRI AND NRC (MPA) ACCOMPLISHED

CURRENT STATUS: CONTACTS WITH APPROPRIATE ORGANIZATIONS CONTINUING

ISSUES: AIF AND EPRI PURSUING VOLUNTARY INDUSTRY REGISTRY.

III.D.3.5(3) RADIATION WORKER EXPOSURE BASE (SD)

NRR,SD,IE

REVISED: 01/81

GREEN

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RHSB/OSHSS CONTACT: R. BAKER (X35860)

OTHER OFFICE/INDIVIDUAL: RHSB/DIANE FLACK

PURPOSE AND SCOPE: 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 TO BE COMPLETED ON WORKER DATA REQUIREMENT BY 2/6/81.

ACCOMPLISHMENTS: EXAMINATION OF ALTERNATIVES OF RECORDS REQUIREMENTS COMPLETED 12/80

CURRENT STATUS: SELECTION OF STAFF POSITION ON ALTERNATIVES UNDERWAY

ISSUES: SHOULD COLLECTION OF MEDICAL DATA ON WORKER BE VOLUNTARY OR REQUIRED/ CURRENTLY, IS

COLLECTION OF SUCH DATA FOR HEALTH EFFECT RESEARCH PURPOSES LAWFUL?

IMI ACTION PLAN TRACKING SYSTEM (APTS)

JANUARY 1981 ISSUE

CHAPTER IV ACTION ITEMS (RUN DATE: 02/13/81)

SUMMARY OF ACTION ITEMS:

CHAPTER IV :	<u>26</u>	(PRACTICES AND PROCEDURES)
NRR LEAD :	<u>9</u>	PRIORITY '1' ITEMS : <u>0</u>
SD LEAD :	<u>5</u>	PRIORITY '1' ITEMS : <u>0</u>
IE LEAD :	<u>3</u>	PRIORITY '1' ITEMS : <u>0</u>
RES LEAD :	<u>5</u>	PRIORITY '1' ITEMS : <u>0</u>
OTHER LEAD :	<u>4</u>	PRIORITY '1' ITEMS : <u>0</u>

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

COMPLETE :	<u>0</u>
RED ITEMS :	<u>0</u>
YELLOW ITEMS :	<u>7 (6,0,0,0,1)</u>
GREEN ITEMS :	<u>19 (3,5,3,5,3)</u>
TOTAL :	<u>26 (9,5,3,5,4)</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>

*REQMENT :	<u>1 (0,0,1,0,0)</u>
*INACTIVE :	<u>4 (0,2,0,0,2)</u>
*COMMISSION ACTION ITEMS :	<u>10 (6,1,1,0,2)</u>
*NO INFORMATION RECEIVED :	<u>0</u>

PRIORITY '1' ITEMS :	<u>0</u>
PRIORITY '1' ITEMS :	<u>0</u>
PRIGRITY '1' ITEMS :	<u>0</u>
PRIORITY '1' ITEMS :	<u>0</u>

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

COMMENTS:



02/13/81 (CHAPTER IV - PRACTICES AND PROCEDURES)

IV.A.1 SEEK LEGISLATIVE AUTHORITY IN ENFORCEMENT PROCESS (OGC) OGC,ELD,IE REVISED: 12/80  
GREEN \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
COMMISSION(TACS: ) RESPONSIBLE BRANCH/DIVISION: OGC CONTACT: CARL STOIBER (X43224)  
OTHER OFFICE/INDIVIDUAL: NRR/D. COLLINS  
PURPOSE AND SCOPE: 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 BEING REVIEWED BY COMMISSION.  
ISSUES: DECISION MUST BE MADE AS TO WHETHER OR NOT TO SEEK LEGISLATIVE AUTHORITY FOR ADDITIONAL  
FINE LEVYING CAPABILITIES UNDER SPECIFIC CONDITIONS.  
COMMISSION ACTION: REVIEW

IV.A.2  
GREEN  
COMMISSION(TACS:

REVISE ENFORCEMENT POLICY (IE)

IE

ED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -

RESPONSIBLE BRANCH/DIVISION: EIO/IE

CONTACT: DUDLEY THOMPSON (X28487)

OTHER OFFICE/INDIVIDUAL: ELD/JAMES LIEBERMAN

PURPOSE AND SCOPE: 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.

CURRENT STATUS: TO REVISE POLICY 3/81. TO ISSUE REGULATIONS 6/81.

ISSUES:

COMMISSION ACTION: APPROVAL OF PUBLICATION.

IV.B.1  
GREEN

REVISE PRACTICES FOR ISSUANCE OF INSTRUCTIONS  
AND INFORMATION TO LICENSEES (IE)

IE,NRR,OSD,NMSS,ELD

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY -

(TACS: ) RESPONSIBLE BRANCH/DIVISION: DPDA/IE

CONTACT: NORMAN MOSELY (X28160)

OTHER OFFICE/INDIVIDUAL: IE/JIM TAYLOR

PURPOSE AND SCOPE: 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) ESTABLISH INTEROFFICE TASK GROUP TO REVIEW METHODS 06/81; PREPARE  
COMMISSION PAPER WITH RECOMMENDED METHODS 08/81; REVISE OFFICE PROCEDURES TO IMPLEMENT  
SELECTED METHOD(S) 11/81.

ACCOMPLISHMENTS:

CURRENT STATUS: PROCEDURES TO BE IMPLEMENTED EARLY PER EDO MEMO OF 12/10/80. ANY REMAINING  
PART OF TASK TO BE SCHEDULED AFTER THAT.

ISSUES: EDO HAS DIRECTED EARLY IMPLEMENTATION OF CERTAIN PROCEDURES WHICH MAY ELIMINATE THE NEED  
FOR PART OF THIS TASK.

IV.C.1  
INACTIVE  
GREEN

EXTEND LESSONS LEARNED FROM TMI TO OTHER NRC PROGRAMS (NMSS)

NMSS,NRR

REVISED: 11/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL:

CONTACT: BOB BROWNING (X74200)

PURPOSE AND SCOPE:

SCHEDULE: (ORIGINAL)

(CURRENT)

ACCOMPLISHMENTS:

CURRENT STATUS: THIS PROJECT IS NOT SCHEDULED FOR ANY ACTION FOR AT LEAST 6 MONTHS. (UNTIL 05/81).

ISSUES:

IV.D.1  
YELLOW  
COMMISSION(TACS:

NRC STAFF TRAINING (ADM)  
\*\*COMPLETION DATE > FY81 \*PRIORITY 2  
) RESPONSIBLE BRANCH/DIVISION:  
OTHER OFFICE/INDIVIDUAL: ADM/L. COOPER; IE/J. LEDOUX

ADM

REVISED: 11/80

CONTACT: PETER GOLDMAN (X28259)

PURPOSE AND SCOPE: IMPROVE AND EXPAND NRC TRAINING PROGRAM FOR THE TECHNICAL STAFF AND RESIDENT INSPECTORS;  
AND DEVELOP A TRAINEESHIP/FELLOWSHIP PROGRAM.

SCHEDULE: (ORIGINAL) OBTAIN CONTRACTOR SURVEY ASSISTANCE 08/81; COMMISSION PAPER ON NRC TRAINING PROGRAM  
FORWARDED 06/80; INCREASE SIMULATOR TRAINING 09/80; PROVIDE MULTI-DISCIPLINARY EDUCATION AND TRAINING  
(CONTINUING). (CURRENT) OBTAIN CONTRACTOR SURVEY ASSISTANCE - ACTION CHANGED; COMMISSION PAPER ON NRC  
TRAINING PROGRAM (SEE STATUS) 07/80; INCREASE SIMULATOR TRAINING 1982; PROVIDE MULTI-DISCIPLINARY  
EDUCATION AND TRAINING (SEE ISSUES) CONTINUING.

ACCOMPLISHMENTS: COMMISSION APPROVED (IN PART) SECY-80-331 9/25/80. NEW MULTI-DISCIPLINARY TRAINING  
PROVIDED IN HUMAN FACTORS AND SYSTEMS SAFETY TO APPROXIMATELY 90 PROFESSIONALS. FURTHER TRAINING  
FUNDED.

CURRENT STATUS: ORAU STRUCTURING ALTERNATIVE TRAINEESHIP/FELLOWSHIP PROGRAMS. 20 UNIVERSITIES EXPRESSED  
INTEREST. UNIVERSITY FACULTY DEPT. HEADS TO MEET WITH ORAU WEEK OF 1/26/81. YET DETERMINED  
LEGAL AUTHORITIES EXIST TO OBTAIN GOVERNMENT SERVICE OBLIGATION WITHOUT SEEKING NEW STATUTORY AUTHORITY.  
A VARIETY OF SAFETY AND SYSTEMS MANAGEMENT TRAINING IS BEING CONDUCTED AT BOTH MANAGERIAL & SUBORDINATE  
LEVELS; SIMULATOR TRAINING CONTINUING AT PREVIOUS LEVEL; REACTOR SYSTEMS TECHNOLOGY  
TRAINING INCREASED TO MEET HIGHER DEMAND. TECHNICAL TRAINING NEEDS REVIEW TO BE CONDUCTED  
IN-HOUSE BY MDTs WITH THE COOPERATION OF XOMA/IE. OFFICE OF IE IS DEVELOPING A PROGRAM SIMILAR  
TO THE TRAINEESHIP PROGRAM, TO PROVIDE 20 NEWLY RECRUITED EMPLOYEES WITH A LESSER TRAINING PROGRAM  
DESIGNED TO INCREASE THE CADRE OF INSPECTORS. THIS PROGRAM WOULD CEASE AND BE REPLACED BY THE  
TRAINEESHIP PROGRAM ONCE IT'S APPROVED. \*\*

ISSUES: DUE TO REGULATORY REQUIREMENTS IMPOSED UPON NUCLEAR INDUSTRY, DEMANDS FOR SIMULATOR TRAINING  
INCREASED; NRC UNABLE TO INCREASE ITS USAGE.

COMMISSION ACTION: REVIEW

IV.E.1(1)  
GREEN

EXPAND RESEARCH ON QUANTIFICATION OF SAFETY DECISION-MAKING (RES) RES

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY -

(TACS: ) RESPONSIBLE BRANCH/DIVISION: SRR/RES

CONTACT: WILLIAM VESELY (X74505)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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" 09/80. (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: 08/80.  
ACCOMPLISHMENTS: COMPLETED TWO NUREGS AND FOUR DRAFT REPORTS 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:

IV.E.1(2) THROUGH IV.E.1(5) STATUS INFORMATION IS INCLUDED IN IV.E.1(1)



IV.E.2(1) PLAN FOR EARLY RESOLUTION OF SAFETY ISSUES (NRR)  
YELLOW \*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 2  
COMMISSION(TACS: 40042) RESPONSIBLE BRANCH/DIVISION: DSI/SPEB  
OTHER OFFICE/INDIVIDUAL:

NRR,SD,RES,AEOD,IE

REVISED: 10/80

CONTACT: THOMAS COX (X28966)

PURPOSE AND SCOPE: 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) (1) DRAFT PLAN FOR NRR MANAGEMENT REVIEW 11/7/80; (2) RECOMMENDED PLAN FOR COMMISSION REVIEW 1/9/81; (3) FINAL PLAN THAT INCORPORATES COMMISSION COMMENTS 3/6/81.

ACCOMPLISHMENTS:

CURRENT STATUS: EFFORT JUST GETTING UNDERWAY.

ISSUES: NONE IDENTIFIED AT THIS TIME.

COMMISSION ACTION: REVIEW OF PLAN.

IV.E.2(2) THROUGH IV.E.2(6) STATUS INFORMATION IS INCLUDED IN IV.E.2(1)

IV.E.3  
GREEN

PLAN FOR RESOLVING ISSUES AT CONSTRUCTION PERMIT STAGE (NRR)

NRR,ELD

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 3

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: DST

CONTACT: WARREN MINNERS (X27581)

OTHER OFFICE/INDIVIDUAL: NOT ASSIGNED

PURPOSE AND SCOPE: 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)

CURRENT STATUS: PUBLIC COMMENT PERIOD ENDS 02/09/81.

ISSUES:

IV.E.4  
GREEN

RESOLVE GENERIC ISSUES BY RULEMAKING (SD)

SD,ADM

REVISED: 11/80

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: ) RESPONSIBLE BRANCH/DIVISION: SCSB/DES

CONTACT: LOUIS FRANK (X35997)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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.

CURRENT STATUS:

ISSUES: NEED TO IDENTIFY COGNIZANT NRR PERSONNEL FOR GUIDANCE AND REVIEW OF PROGRAM UNDER DEVELOPMENT.

IV.E.5  
GREEN

ASSESS CURRENTLY OPERATING REACTORS (NRR)

NRR,RES,IE,SD

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 2

(TACS: 40048) RESPONSIBLE BRANCH/DIVISION: DST/SPEB CONTACT: MICHAEL BOYLE (X27058)

OTHER OFFICE/INDIVIDUAL: NRR/W. MILSTEAD

PURPOSE AND SCOPE: 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 7/28/80; (2) ISSUANCE OF COMPREHENSIVE PLAN 03/15/81; PLAN COMPLETION 10/01/87. (CURRENT) SAME

ACCOMPLISHMENTS: DRAFT PLAN OF THE INTEGRATED PROGRAM TO ASSESS THE SAFETY OF ALL OPERATING REACTORS HAS BEEN SUBMITTED TO THE COMMISSION; 90-DAY STATUS REPORT SUBMITTED; COMPREHENSIVE PLAN IS CURRENTLY BEING DRAFTED.

CURRENT STATUS: NO ISSUES OR PROBLEMS ENCOUNTERED SINCE PROGRAM HAS NOT YET BEEN INITIATED.  
ISSUES:

IV.F.1  
REQMENT  
GREEN

INCREASED IE SCRUTINY OF POWER ASCENSION TEST PROGRAM (IE)

IE

REVISED: 01/81

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3

(TACS: ) RESPONSIBLE BRANCH/DIVISION: DRRRI/IE CONTACT: JAMES SHIEZEK (X28098)

OTHER OFFICE/INDIVIDUAL: IE

PURPOSE AND SCOPE: 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.

ISSUES: NONE

IV.F.2  
GREEN

EVALUATE THE IMPACTS OF FINANCIAL DISINCENTIVES  
TO THE SAFETY OF NUCLEAR POWER PLANTS (NRR)

NRR,SD,RES,IE

REVISED: 11/80

\*\*COMPLETION DATE BY END OF FY81 \*PRIORITY 3

(TACS: 42407) RESPONSIBLE BRANCH/DIVISION: UTILITY FINANCE BRANCH, DE CONTACT: ROBERT WOOD (X28336)

OTHER OFFICE/INDIVIDUAL: NRR/JIM PETERSON, MICHAEL KARLOWICZ

PURPOSE AND SCOPE: 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: PRELIMINARY CONTACTS WITH FERC, NARUC, AND IRS HAVE BEEN MADE.

CURRENT STATUS: CONTINUING TO GATHER INFORMATION FROM REGULATORY ORGANIZATIONS AND PRELIMINARILY IDENTIFY  
POSSIBLE DISINCENTIVES.

ISSUES: NONE



IV.G.1  
INACTIVE  
GREEN

DEVELOP A PUBLIC AGENDA FOR RULEMAKING (ADM)

ADM

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 3

(TACS: NONE) RESPONSIBLE BRANCH/DIVISION: ADM

CONTACT: JOHN PHILIPS (X27086)

OTHER OFFICE/INDIVIDUAL: ADM/L. COOPER

PURPOSE AND SCOPE: 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: NONE TO DATE

CURRENT STATUS: PROGRAM SCHEDULED FOR FY 83.

ISSUES: NONE

IV.G.2

PERIODIC AND SYSTEMATIC REEVALUATION OF EXISTING RULES (SD)

SD

REVISED: 01/81

GREEN

\*\*COMPLETION DATE > FY81 \*PRIORITY 3

COMMISSION( WM105-8 ) RESPONSIBLE BRANCH/DIVISION: WMSB/SHSS CONTACT: PAT RATHBUN (X35981)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: TO COORDINATE AND ASSURE THE COMPLETION OF A PERIODIC AND SYSTEMATIC REEVALUATION OF EXISTING NRC REGULATIONS WITH RESPECT TO SAFETY ISSUES AND THE COMMISSION'S COMMITMENT TO COMPLY WITH EXECUTIVE ORDER 12044, "IMPROVING GOVERNMENT REGULATIONS," AND THE REGULATORY FLEXIBILITY ACT (PUBLIC LAW 96-354). 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

CURRENT STATUS: IMPLEMENTATION OF REVIEW PROCEDURES FOR ALL FORTHCOMING RULEMAKINGS

ISSUES: NONE

COMMISSION ACTION: REVIEW

IV.G.3  
INACTIVE  
GREEN

IMPROVE RULEMAKING PROCEDURES (SD)

SD

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: WMSB/SHSS CONTACT: PAT RATHBUN (X35981)  
OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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

IV.G.4  
INACTIVE  
GREEN

STUDY ALTERNATIVES FOR IMPROVED RULEMAKING PROCESS (SD)

SD

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 3  
(TACS: ) RESPONSIBLE BRANCH/DIVISION: WMSB/SHSS CONTACT: PAT RATHBUN (X35981)  
OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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.

SCHEDULE: (ORIGINAL) SCHEDULE WILL BE ESTABLISHED IN NORMAL NRC BUDGETARY PROCESS.

ACCOMPLISHMENTS: NONE

CURRENT STATUS: NONE

ISSUES: NONE

IV.H  
GREEN

NRC PARTICIPATION IN THE RADIATION POLICY COUNCIL (SD)

SD

REVISED: 01/81

\*\*COMPLETION DATE > FY81 \*PRIORITY 3

(TACS: ) RESPONSIBLE BRANCH/DIVISION: RHSB/DSHSS CONTACT: ED PODELAK (X35860)

OTHER OFFICE/INDIVIDUAL:

PURPOSE AND SCOPE: 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: CURRENT RPC ACTIVITIES INVOLVE THE ESTABLISHMENT OF ACTION PLANS FOR THE REVIEW OF EACH OF THE POLICY ISSUES INCLUDED IN THE 1981-1983 AGENDA. THE NRC STAFF HAS ACTIVELY PARTICIPATED IN THESE EFFORTS THROUGH PARTICIPATION ON INTERAGENCY TASK GROUPS, THE RPC WORKING GROUP, AND THE RPC ITSELF.

ISSUES:

**UNION OF  
CONCERNED  
SCIENTISTS**

1346 Connecticut Avenue, N.W.  
Dupont Circle Building, Suite 1101  
Washington, D.C. 20036

(202) 296-5600

16 February 1982

Mr. J. M. Felton  
Director, Division of Rules and Records  
Office of Administration  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

FREEDOM OF INFORMATION  
ACT REQUEST

FOIA-82-103  
Rec'd 2-19-82

Dear Mr. Felton:

Pursuant to the Freedom of Information Act, please make available at the 1717 H Street, N.W., Washington, D.C., Public Document Room the following documents:

- A. Iterations 1 and 2 of the Action Plan Tracking System Report (APTS) which were completed in late 1980 and early 1981 (you have previously released the May 1981 and September 1981 issues).
- B. The January 1982 iteration of the Action Plan Tracking System Report.
- C. Any and all documents which are related to the Action Plan Tracking System Reports; specifically, memos, letters, etc., directing that the system be developed, specifying what should be included in the system, and any documents directing that Action Plan items be deleted from the system.

If you or your staff have any questions regarding this request, please do not hesitate to contact me at the number above.

Sincerely,

*Steven C. Sholly*  
Steven C. Sholly

Technical Research Assistant

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