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**EDO PROGRAM REVIEW**

**JULY 15, 1980**

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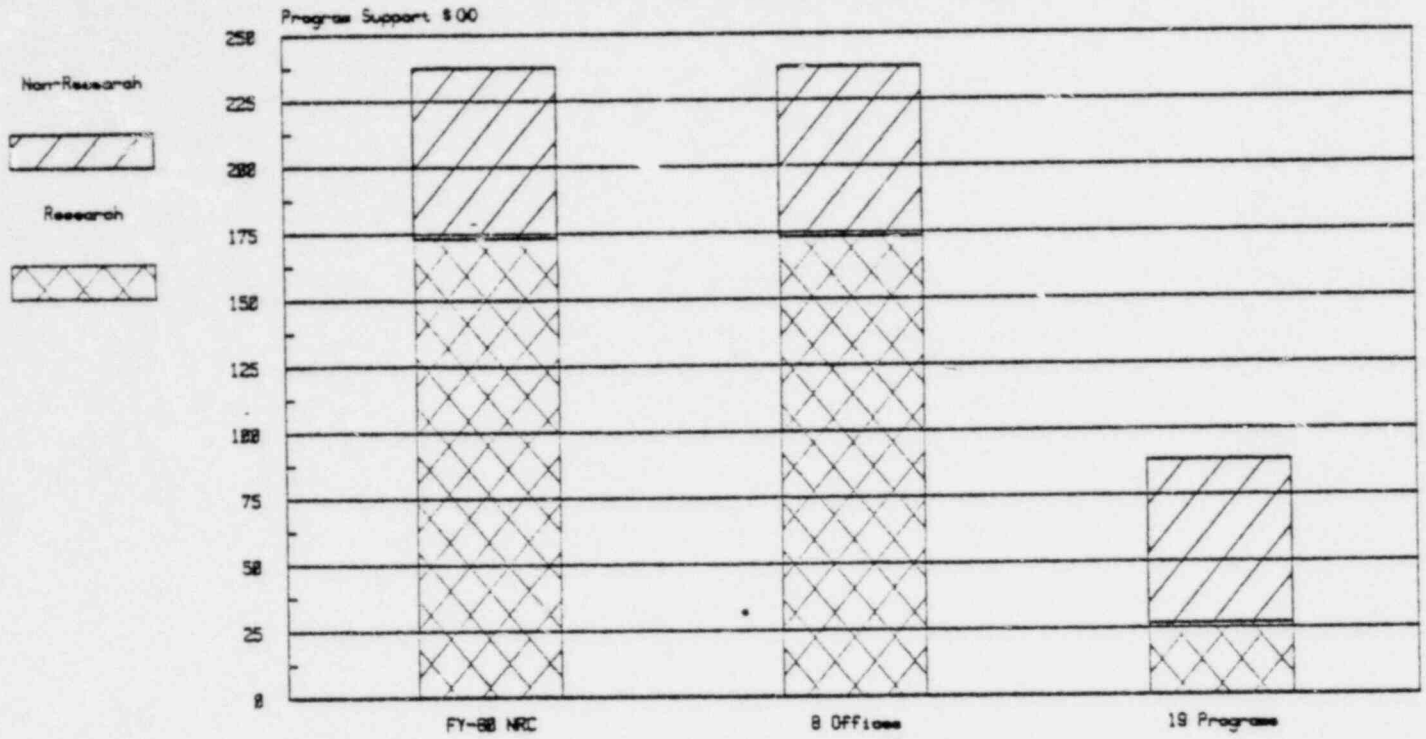
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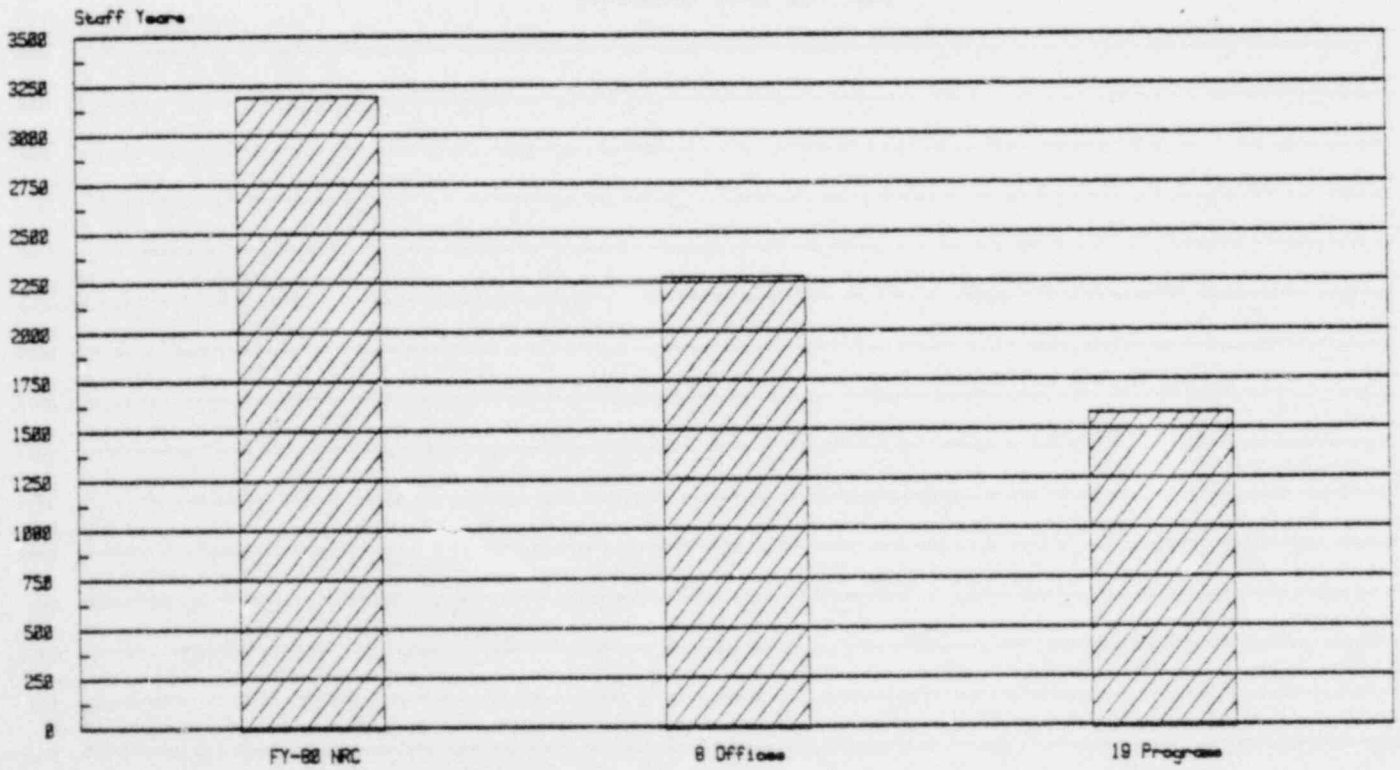
# OVERVIEW

Distribution of NRC Program Support \$



# OVERVIEW

Distribution of NRC Staff Years



## PLANS FOR FY 81

EDO ESTABLISH AND TRACK KEY MILESTONES, MAJOR RESOURCE LEVELS

- o IMPORTANT MILESTONES FOR 19 PROGRAMS, TMI ACTION PLAN AND OTHER MAJOR OFFICE TASKS
- o RESOURCE CONTROL AT PROGRAM OR MAJOR OBJECTIVE LEVEL
- o TIE TO SES PERFORMANCE APPRAISALS
- o SIMPLE REPORTING SCHEME TO EDO AND COMMISSION
- o IMPLEMENT VIA PROGRAM SECTION OF PPPG BEFORE START '81

OFFICE OF NUCLEAR REACTOR REGULATION

CASEWORK

FIRE PROTECTION

UNRESOLVED SAFETY ISSUES

OPERATING REACTOR LICENSING ACTIONS

SYSTEMATIC EVALUATION PROGRAM

QUALIFICATION OF SAFETY RELATED EQUIPMENT

DATE: 7/11/80

FY 80 PROGRAM AREA REVIEW

PROGRAM AREA: POWER REACTOR CASEWORK

MAJOR OBJECTIVES

- MO 1. DEVELOP TMI 2 LICENSE REQUIREMENTS FOR NEAR TERM OL PLANTS
- MO 2. RESUME ISSUANCE OF NEAR TERM OL'S
- MO 3. DEVELOP COMMISSION POLICY ON REQUIREMENTS TO RESUME ISSUANCE OF CP'S FOR SIX APPLICATIONS (11 UNITS)

ACCOMPLISHMENTS

- REQUIREMENTS DEVELOPED FROM NRC/TMI TASK ACTION PLAN (NUREG 0660)
- FL LICENSES ISSUED FOR THREE NTOL PLANTS (SEQUOYAH [MAR 80]; NORTH ANNA 2 [APR 80], AND SALEM 2 [APR 80])
- APPROVAL FOR LOW POWER TESTING (5%) ISSUED FOR NORTH ANNA 2 (JULY 3, 1980); SEQUOYAH (JULY 11, 1980); SALEM EXPECTED IN JULY 80
- SSER (No. 10) ON DIABLO CANYON ISSUED IN JUNE 1980
- ESTABLISHED REVIEW SCHEDULES FOR UPCOMING OL LICENSING ACTIONS
- COMMISSION POLICY PAPER (DRAFT) PREPARED IN JULY 1980 ON MATTERS AFFECTING CP REQUIREMENTS BASED ON NRC/TMI ACTION PLAN (NUREG-0660).

FY80 RESOURCES

(NRP)

SY     \$K

TOTAL            133    11,077

FY-80 PROGRAM AREA REVIEW

PROGRAM AREA FIRE PROTECTION

MAJOR OBJECTIVES

ACCOMPLISHMENTS

OPERATING REACTORS

- MO. 1 REVIEW PROPOSED DESIGN MODIFICATIONS  
(SER SECTION 3.1)
- MO. 2 RESOLVE OPEN ITEMS (SER SECTIONS 3.2 & 3.3)
- MO. 3 RESOLVE CONTESTED ISSUES
- MO. 4 ISSUE SER SUPPLEMENTS AND FINAL TECHNICAL  
SPECIFICATIONS
- MO. 5 REPLICATION TESTS OF APPROVED DESIGNS
- MO. 6 DEVELOP THREE YEAR AUDIT PROGRAM

- REVIEWS ARE BEING COMPLETED AS INFORMATION IS RECEIVED  
FROM LICENSEE
- REVIEWS ARE BEING COMPLETED AS INFORMATION IS RECEIVED  
FROM LICENSEE
- PUBLIC COMMENTS ON PROPOSED RULE TO RESOLVE CONTESTED  
ISSUES HAVE BEEN RECEIVED
- DEFERRED UNTIL FY-81 WHEN NRC STAFF AND LICENSEES AGREE  
ON REQUIRED MODIFICATIONS NEEDED IN FIRE PROTECTION  
PROGRAM
- INITIATED REQUESTS FOR INFORMATION TO THE LICENSEES
- INITIATE REQUEST TO CONSULTANT TO DRAFT PROGRAM

CASEWORK

- MO. 7 REVIEW FIRE PROTECTION PROGRAM FOR OPERATING  
LICENSE APPLICATIONS
- MO. 8 REVIEW FIRE PROTECTION PROGRAM FOR  
CONSTRUCTION PERMIT APPLICATION

- COMPLETED FOR OL'S THAT HAVE BEEN ISSUED - 3 ARE 90%  
COMPLETE
- ALL CP REVIEWS ARE DEFERRED INDEFINITELY

SAFETY TECHNOLOGY

- MO. 9 RESOLVE GENERIC ISSUES
- MO. 10 IMPROVE REGULATORY GUIDANCE
- MO. 11 VERIFY REGULATORY REQUIREMENTS

- DRAFT REPORTS ON GENERIC ISSUES HAVE BEEN PREPARED  
STAFF REVIEW HAS BEEN DEFERRED BECAUSE OF HIGHER  
PRIORITY WORK
- PROPOSED RULE AFFIRMED BY COMMISSION AND PUBLIC  
COMMENTS RECEIVED
- RESEARCH TEST PROGRAM IS ONGOING

## MAJOR ISSUES

- MO. 1 FIRE PROTECTION FEATURES TO ASSURE SHUTDOWN CAPABILITY ACCEPTANCE CRITERIA FOR ALTERNATE AND DEDICATED SHUTDOWN CAPABILITY.
- MO. 2 SAME
- MO. 3 SEVERAL ISSUES ARE CONTESTED BY SAME LICENSEE. A PROPOSED RULE TO RESOLVE THESE ISSUES HAS BEEN AFFIRMED BY THE COMMISSION. THREE MAJOR ISSUES HAVE BEEN RAISED WITH THE PUBLICATION OF THIS ISSUE:
- (1) WHETHER ALL PLANTS WILL HAVE TO BE REEVALUATED FOR CONFORMANCE TO THE RULE IN ITS FINAL FORM.
  - (2) WHETHER PLANTS WILL HAVE TO SHUTDOWN IF THEY DON'T MEET THE IMPLEMENTATION DATES SPECIFIED, AND
  - (3) WHICH ALTERNATIVES ACCEPTED BY THE STAFF REMAIN ACCEPTABLE (STAFF VS. APPLICANT PERCEPTIONS OF REQUIRED MODIFICATIONS).
- MO. 4 THE CONTESTED ISSUES, SEE PROPOSED RULE SECTION IIIA-Q.
- MO. 5 WHETHER DESIGNS APPROVED BY THE STAFF PROVIDE ADEQUATE FIRE PROTECTION AS DETERMINED BY THE REPLICATION TEST.
- MO. 6 OUR TECHNICAL SPECIFICATIONS REQUIRE A THIRD PARTY AUDIT OF THE FIRE PROTECTION PROGRAM AT OPERATING PLANTS. WE NEED A PROGRAM FOR ESTABLISHING THE CRITERIA FOR SUCH AUDITS AND OUR ASSOCIATED REVIEW PROGRAM.
- MO. 7 NONE
- MO. 8 NONE
- MO. 9 METHODS FOR DETERMINING FIRE DETECTOR LOCATIONS  
EFFECT OF INCREASING RADIATION LEVELS ON DETECTORS  
THE USE OF RETARDANTS  
THE PERFORMANCE CHARACTERISTICS OF WATER SHIELDS  
LER'S CONCERNING FIRES OR EQUIPMENT FAILURES
- MO. 10 RULE ON FIRE PROTECTION  
R.G. 1120 ON FIRE PROTECTION
- MO. 11 TESTS TO CONFIRM PRESENT STAFF POSITION  
BASIC RESEARCH ON FIRE PROTECTION SEALS, FIRE BARRIERS, GAS & WATER SUPPRESSION SYSTEMS  
FULL SCALE REPLICATION TESTS  
EVALUATION OF THE EFFECTIVENESS OF FIRE DETECTIVE SYSTEMS.

## FY-80 RESOURCES

NRR		RES		STD		IE		TOTAL	
SY	\$K	SY	\$K	SY	\$K	SY	\$K	SY	\$K
7.0	415	.5	500	.5	0	2.9	0	10.9	930



PROGRAM AREA: UNRESOLVED SAFETY ISSUES

MAJOR OBJECTIVES

- MO.1 MAINTAIN PROGRESS ON 17 UNRESOLVED SAFETY ISSUES (USI) CURRENTLY UNDER REVIEW
- MO.2 PREPARE REPORT TO CONGRESS ON NEW UNRESOLVED SAFETY ISSUES BY JULY 1980 FOLLOWING A SYSTEMATIC REVIEW OF ALL CANDIDATE ISSUES FROM THE TMI-2 INVESTIGATIONS AND OTHER SOURCES

ACCOMPLISHMENTS

- MO.1 - FOR 3 USIs NUREG REPORTS WITH A TECHNICAL RESOLUTION WERE PUBLISHED FOR COMMENT
- FOR 6 USIs CONTINUED PROGRESS WAS MADE WHICH WE ANTICIPATE WILL RESULT IN ISSUANCE OF A NUREG REPORT WITH A TECHNICAL RESOLUTION DURING THE REMAINDER OF FY 1980
- FOR 4 USIs CONTINUED PROGRESS WAS MADE IN A DEFINED PATH TOWARD RESOLUTION
- FOR 2 USIs WE NEED TO FINALIZE THE TASK ACTION PLAN
- FOR 2 USIs WE ANTICIPATE DIFFICULTY AND FURTHER DELAY IN ACHIEVING RESOLUTION
- MO.2 - A COMMISSION PAPER PROPOSING SIX NEW USIs WAS ISSUED ON JULY 9, 1980. AFTER REVIEW BY THE COMMISSION THE CONTENT WILL BE PUBLISHED AS A NUREG REPORT TO CONGRESS.

MAJOR ISSUES

- MO.1 - RESOLUTION OF SOME USIs WILL INVOLVE RULEMAKING (E.G., ATWS)
- ADDITIONAL EFFORT IS BEING MADE TO ASSURE A PLAN FOR IMPLEMENTATION AFTER THE TECHNICAL RESOLUTION OF A USI IS COMPLETED.

FY 80 RESOURCES

<u>NRR</u>	
<u>SY</u>	<u>\$K</u>
28	1,500

<u>FES</u>	
<u>SY</u>	<u>\$K</u>
1.8	600K

## FY 80 PROGRAM AREA REVIEW

### PROGRAM AREA: OPERATING REACTOR LICENSING ACTIONS

#### MAJOR OBJECTIVES

- MO 1. ASSURE PLANTS CONTINUE TO OPERATE SAFELY
- A. REVIEW DESIGN AND OPERATIONAL CHANGES
  - B. EVALUATE OPERATING EXPERIENCE AND INSPECTION AND ENFORCEMENT FINDINGS
  - C. ISSUE LICENSING ACTIONS AND CHANGES IN ALLOWABLE OPERATING CONDITIONS

#### MAJOR ISSUES

- MO 1. ASSURE PLANTS CONTINUE TO OPERATE SAFELY
- A. SIGNIFICANT INCREASE IN BACKLOG AND WORKLOAD BECAUSE OF TMI
  - B. INCREASING NUMBER OF ACTIONS ARE BEING CONTESTED BY LICENSEE AND/OR INTERVENORS

#### FY 80 RESOURCES

	NRR	
	SY	\$K
MO 1. ASSURE PLANTS CONTINUE TO OPERATE SAFELY	241	9,972

#### ACCOMPLISHMENTS

- PREPARATION OF NRC INPUT FOR LICENSING ACTIONS
- ISSUED EVALUATION FOR TMI-1 RESTART RE: COMPLIANCE WITH NRC ORDER
- COMPLETED THE EVALUATION OF ALL TMI SHORT TERM LESSONS LEARNED REQUIREMENTS
- COMPLETED 1500 LICENSING ACTIONS VS. 934 PROJECTED FOR THE PERIOD (10/79 TO 6/80). 3300 ACTIONS ARE OUTSTANDING

FY80 PROGRAM AREA REVIEWPROGRAM AREA: SEP (PHASE II, ELEVEN OLDER PLANTS)OBJECTIVES

MO. 1 REVIEW AND DOCUMENT COMPARISON WITH CURRENT CRITERIA

MO. 2 IDENTIFY MAJOR DEFICIENCIES EARLY

MO. 3 PROVIDE BASIS FOR INTEGRATED AND BALANCED BACKFIT DECISIONS

ACCOMPLISHMENTS

- STAFF HAS COMPLETED 500 SAFETY EVALUATIONS
- STAFF HAS DEVELOPED SITE SPECIFIC EARTHQUAKE RESPONSE SPECTRA
- STAFF HAS DEVELOPED CRITERIA FOR PIPE BREAKS AND TORNADO WINDS
- SEISMIC PROGRAM HAS RESULTED IN ONE SHOW CAUSE ORDER ON LIQUEFACTION AND MODIFICATION OF DEFICIENT SUPPORTS IN ALL PLANTS
- STAFF IS DEVELOPING POSITION ON FLOOD PROTECTION FOR ONE PLANT
- PALISADES CONTAINMENT OVERPRESSURIZATION CONCERN RESOLVED.
- PUBLISH NUREG-0098 ON SEISMIC CONSERVATISM
- LARGELY DEFERRED PENDING COMPLETION OF MO. 1

ISSUES

MO. 1 PROGRAM IS DIFFICULT DUE TO UNIQUE CONSIDERATIONS. LICENSEES ARE NOT AGGRESSIVELY PURSUING PROGRAM.

MO. 2 RESOLVING MAJOR DEFICIENCIES IS REQUIRING SIGNIFICANT EFFORT.

MO. 3 NECESSARY TO FIRST COMPLETE MO. 1 TO PROVIDE BASIS FOR DECISIONS.

RESOURCES

	SY	(MRR) \$K
MO. 1 REVIEW AND DOCUMENT COMPARISON WITH CURRENT CRITERIA	22.4	1525
MO. 2 IDENTIFY MAJOR DEFICIENCIES EARLY	9.2	35
MO. 3 PROVIDE BASIS FOR INTEGRATED AND BALANCED BACKFIT DECISIONS	.4	-
TOTALS	32.0	1560

FY80 PROGRAM AREA REVIEW

PROGRAM AREA: EQUIPMENT QUALIFICATION

MAJOR OBJECTIVES

ACCOMPLISHMENTS

- |       |   |   |
|-------|---|---|
| MO 1. | REVIEW OF ENVIRONMENTAL QUALIFICATION OF ELECTRICAL AND MECHANICAL EQUIPMENT IN OPERATING PLANTS  | STAFF HAS 69 OPERATING PLANT RESPONSES AND IS PROCEEDING WITH REVIEW  |
| MO 2. | REVIEW OF SEISMIC & DYNAMIC QUALIFICATION OF ELECTRICAL AND MECHANICAL EQUIPMENT FOR SAFETY SYSTEMS AND PERFORMANCE SEISMIC SAFETY MARGINS RESEARCH | STAFF HAS INITIATED REVIEW OF 11 SEP PLANTS   |
| MO 3. | IMPROVE BASIS FOR REGULATION  | COMMISSION ORDER (CLI-80-21) INSTRUCTED STAFF TO INITIATE RULE MAKING ON ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT ADDITIONALLY S.D. IS DEVELOPING AND UPDATING SEVERAL STANDARDS TO IMPROVE THE REGULATORY BASE  |
| MO 4. | INSPECT INDUSTRY QUALIFICATION TEST PROGRAMS AND PERFORM VERIFICATION AND METHODOLOGY Tests   | SEISMIC TESTING OF ELECTRICAL PANELS HAS BEEN COMPLETED AT SOUTHWEST RESEARCH INSTITUTE. PROGRAM WILL BE EXPANDED DUE TO TEST RESULTS. DYNAMIC TESTS WERE CONDUCTED TO DEVELOP METHODOLOGY FOR QUALIFICATION TESTING OF VALVES AND TO EVALUATE THE RESPONSE OF THESE COMPONENTS |

MAJOR ISSUES

- MO 1. COMMISSION ORDER OF MAY 23, 1980 (CLI-80-21) REQUIRES COMPLETION OF STAFF REVIEW OF SAFETY RELATED ELECTRICAL QUALIFICATION IN HARSH ENVIRONMENT BY 2/11/81.
- MO 2. SEISMIC & DYNAMIC QUALIFICATION OF EQUIPMENT MUST BE REASSESSED TO ASSURE THE ABILITY TO BRING THE PLANTS TO A SAFE SHUTDOWN CONDITION DURING A SEISMIC EVENT AND TO ASSURE EQUIPMENT OPERABILITY DURING TRANSIENTS AND ACCIDENTS.
- MO 3. COMMISSION ORDER OF MAY 23, 1980 INSTRUCTED THE STAFF TO INITIATE RULE MAKING ON THE ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT.
- MO 4. IMPROVE THE BASIS AGAINST WHICH THE REGULATORY PROCESS EVALUATES EQUIPMENT QUALIFICATION. AUDIT THE INDUSTRIES EQUIPMENT QUALIFICATION PROGRAM.

Y80 RESOURCES

	<u>SY</u>	<u>NRR</u> <u>\$K</u>	<u>SY</u>	<u>RES</u> <u>\$K</u>	<u>SY</u>	<u>S.D.</u> <u>\$K</u>	<u>SY</u>	<u>IE</u> <u>\$K</u>	<u>SY</u>	<u>TOTAL</u> <u>\$K</u>
MO 1. REVIEW OF ENVIRONMENTAL QUAL. OF ELECTRICAL AND MANUAL EQUIPMENT IN OPERATING PLANTS	(7)	474K	0	0	0	0	0	0	(7)	474K
MO 2. REVIEW OF SEISMIC AND DYNAMIC QUALIFICATION OF ELECTRICAL AND MECHANICAL EQUIPMENT	(7)	291K	0	0	0	0	0	0	(7)	291K
MO 3. IMPROVED BASIS FOR REGULATION	(5)	100K	0	0	(3.5)	10K	(2)	70	(8.5)	180K
MO 4. INSPECT INDUSTRY QUALIFICATION TEST PROGRAMS AND PERFORM VERIFICATION AND METHODOLOGY TESTS	0	0	(0.5)	900K	(0.2)	35	(0)	0	(2.7)	935K
<b>TOTAL</b>	<b>(19)</b>	<b>865K</b>	<b>(0.5)</b>	<b>900K</b>	<b>(3.7)</b>	<b>45K</b>	<b>(2)</b>	<b>70K</b>	<b>(25.7)</b>	<b>1800K</b>

OFFICE OF NUCLEAR MATERIAL SAFETY & SAFEGUARDS

WASTE MANAGEMENT

DOMESTIC SAFEGUARDS

TRANSPORTATION

FUEL CYCLE & MATERIAL SAFETY

SPENT FUEL STORAGE

## FY80 PROGRAM A' REVIEW

PROGRAM AREA: WASTE MANAGEMENT (HIGH-LEVEL)

### MAJOR OBJECTIVES

### ACCOMPLISHMENTS

- |   |  |
|---|--|
| <p>MO 1. CONDUCT SITE SCREENING AND CHARACTERIZATION REVIEWS</p> <p>MO 2. IMPROVE BASIS FOR REGULATION</p> <p>MO 3. ASSESS THE NATIONAL HIGH-LEVEL WASTE MANAGEMENT PROGRAM</p> | <p>- STAFF HAVE STARTED THE REVIEW OF DOE SITE SCREENING ACTIVITIES AND IN-SITU TESTING PLANS</p> <p>- PUBLISHED PROPOSED PROCEDURAL REGULATION DECEMBER 6, 1979.</p> <p>- PUBLISHED TECHNICAL REGULATION ANPRM ON MAY 13, 1980</p> <p>- COORDINATED THE PREPARATION OF THE NRC INPUT TO AND WILL COORDINATE THE REVIEW OF THE NATIONAL PLAN</p> |
|---|--|

### MAJOR ISSUES

- MO 1. HAC ACTIONS SUGGEST CURTAILMENT OF NRC ACTIVITY IN THIS AREA
- MO 2. PROCEDURAL RULE WILL BE SENT TO THE COMMISSION AS A FINAL RULE BY END OF FY80. TECHNICAL RULE WILL BE SENT TO COMMISSION AS A DRAFT RULE WITH EIS BY END OF FY80.
- MO 3. EXPECT EPA STANDARD FOR NRC REVIEW THIS SUMMER; NATIONAL PLAN SCHEDULED FOR PUBLIC REVIEW AND COMMENT BEGINNING IN SEPTEMBER.

### FY80 RESOURCES 1/

	<u>NMSS</u>		<u>RES</u>		<u>SD</u>		<u>IE</u>		<u>OTHERS</u>		<u>TOTAL</u>	
	<u>SY</u>	<u>\$K</u>	<u>SY</u>	<u>\$K</u>	<u>SY</u>	<u>\$K</u>	<u>SY</u>	<u>\$K</u>	<u>SY</u>	<u>\$K</u>	<u>SY</u>	<u>\$K</u>
MO 1. CONDUCT SITE SCREENING AND CHARACTERIZATION REVIEWS	7.2	1493.5	2.5	2340	0	0	0	0	0	61	9.7	3894.5
MO 2. IMPROVE BASIS FOR REGULATION	17.6	3425.3	1.8	960	12.3	830	0	0	0	0	31.7	5215.3
MO 3. ASSESS THE NATIONAL HIGH-LEVEL WASTE MANAGEMENT PROGRAM	5.6	356.2	0.3	0	0.4	0	0	0	0	0	6.3	356.2
<b>TOTAL</b>	<b>30.4</b>	<b>5275</b>	<b>4.6</b>	<b>3300</b>	<b>12.7</b>	<b>830</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>61</b>	<b>47.7</b>	<b>9466</b>

1/ RESOURCES DO NOT INCLUDE ORGANIZATIONAL SUPPORT OR THE FY80 SUPPLEMENTAL REQUEST OF \$4080K.

## FY80 PROGRAM AI REVIEW

PROGRAM AREA: WASTE MANAGEMENT (LOW-LEVEL)

### MAJOR OBJECTIVES

- MO 1. PERFORM HEALTH, SAFETY, AND ENVIRONMENTAL ASSESSMENTS
- MO 2. DEVELOP REGULATION FOR LLW DISPOSAL
- MO 3. DEVELOP GUIDANCE TO SUPPORT HEALTH, SAFETY, AND ENVIRONMENTAL ASSESSMENT

### ACCOMPLISHMENTS

- RENEWED ONE NRC LICENSE.
- COMPLETED TECHNICAL ASSISTANCE TO STATE OF WASHINGTON.
- PROVIDING CONTINUED TECHNICAL SUPPORT TO TMI PROGRAM OFFICE.
- COMPLETED PRELIMINARY DRAFT AND DISTRIBUTED FOR COMMENT.
- DRAFT TO COMMISSION APRIL 1981
- SPONSORED AND PARTICIPATED IN REGIONAL WORKSHOPS.
- COMPLETED DRAFT FORMAT AND CONTENT GUIDE.
- PREPARING VOLUME REDUCTION POLICY STATEMENT FOR THE COMM.
- COMPLETED STUDY ON LIQUID SCINTILLATION WASTE.

### MAJOR ISSUES

- MO 1. NO PLACE TO DISPOSE OF COMMERCIAL TRU WASTE IN COUNTRY AT PRESENT. NO STATES DEVELOPING SPECIFIC APPLICATIONS FOR NEW SITES.
- MO 2. POTENTIAL APPLICANTS HOLDING BACK APPLICATIONS FOR SITES SINCE COMPREHENSIVE REGULATIONS NOT OUT YET.
- MO 3. LICENSEES GENERATING SIGNIFICANT LLW. MUST DEVELOP TECHNICAL BASIS FOR DEALING WITH SPECIAL DISPOSAL PROBLEMS.

### FY80 RESOURCES <sup>1/</sup>

	NMSS		RES		SD		IE		OTHERS		TOTAL	
	SY	\$K	SY	\$K	SY	\$K	SY	\$K	SY	\$K	SY	\$K
MO 1. PERFORM HEALTH, SAFETY, AND ENVIRONMENTAL ASSESSMENTS	6.0	760	1.6	974	0	0	0.5	0	1.2	7	9.3	1741
MO 2. DEVELOP REGULATION FOR LLW DISPOSAL	7.0	465	0	0	4.3	0	0	0	0	0	11.3	465
MO 3. DEVELOP GUIDANCE TO SUPPORT HEALTH, SAFETY, AND ENVIRONMENTAL ASSESSMENTS	7.0	300	1.5	916	2.1	0	0	0	0	0	10.6	1216
<b>TOTAL</b>	<b>20</b>	<b>1525</b>	<b>3.1</b>	<b>1890</b>	<b>6.4</b>	<b>0</b>	<b>0.5</b>	<b>0</b>	<b>1.2</b>	<b>7</b>	<b>31.2</b>	<b>3422</b>

<sup>1/</sup> DOES NOT INCLUDE ORGANIZATION SUPPORT OR FY80 SUPPLEMENT OF \$900K.



DATE: 7/6/80

FY80 PROGRAM AREA REVIEW

PROGRAM AREA: WASTE MANAGEMENT (URANIUM RECOVERY)

MAJOR OBJECTIVES

- MO 1. URANIUM RECOVERY LICENSING
- MO 2. IMPROVE BASIS FOR REGULATION

ACCOMPLISHMENTS

- COMPLETED 34 MAJOR CASE REVIEWS AND STARTED REVIEW OF DOE REMEDIAL ACTION PROGRAM
- COMPLETION OF GEIS ON URANIUM MILLING AND ASSOCIATED REGULATIONS; ON SCHEDULE FOR END OF FY80

MAJOR ISSUES

- MO 1. PETITION TO INTERVENE ON WESTERN NUCLEAR SPLIT ROCK MILL LICENSE RENEWAL HAS BEEN FILED.  
BACKLOG IS REMAINING AT UNCOMFORTABLY HIGH LEVELS.

FY80 RESOURCES 1/

	NMSS		RES		SD		IE		OTHERS		TOTAL	
	SY	\$K	SY	\$K	SY	\$K	SY	\$K	SY	\$K	SY	\$K
MO 1. URANIUM RECOVERY	19.4	1840	0	0	0	0	3.5	0	0.3	22	23.2	1862
MO 2. IMPROVE BASIS FOR REGULATION	4.1	140	1.3	648	1.2	0	0	0	1.8	500	8.4	1288
TOTAL	23.5	1980	1.3	648	1.2	0	3.5	0	2.1	522	31.6	3150

1/ RESOURCES DO NOT INCLUDE ORGANIZATIONAL SUPPORT OR THE FY80 SUPPLEMENTAL REQUEST OF \$200K.

## FY 80 PROGRAM AREA REVIEW

PROGRAM AREA: DOMESTIC SAFEGUARDS

## ACCOMPLISHMENTS

- MD 1. LICENSING: INPUT OF REFINED ACCOUNTABILITY MEASURES TO EXISTING MC&A PROGRAMS TO FURTHER THEIR EFFECTIVENESS AND TO CONTRIBUTE TO THE NEW MC&A UPGRADE RULE. STAFF REVIEW HAS BEEN INITIATED ON REACTOR CONTINGENCY PLANS, GUARD TRAINING AND QUALIFICATION PLANS; CATEGORIES I/II/III MATERIALS PROTECTION PLANS FOR POWER AND NON-POWER REACTORS, AND CATEGORY I/II/III FUEL FACILITY SECURITY AND TRANSPORT PLANS.
- MD 2. RESOLUTION OF GENERIC AND TECHNICAL ISSUES: ADDRESSED SAFEGUARDS ISSUES RELATING TO PROTECTION AGAINST INSIDER THEFT OF BOMB QUANTITIES OF NUCLEAR MATERIAL AND SABOTAGE OF SPENT FUEL SHIPMENTS THROUGH URBAN AREAS. ADDRESSED ISSUES RELATING TO INSIDER SABOTAGE OF REACTORS. PUBLISHED RULES, IMPLEMENTATION GUIDANCE AND PROVIDED TESTIMONY DEALING WITH MAJOR ISSUES INVOLVING SPENT FUEL SHIPMENTS, REACTOR SAFEGUARDS, TRANSIENT SHIPMENTS, STRATEGIC SNM, AND CATEGORY II/III MATERIAL. DEVELOPED CAPABILITY ALTERNATIVES TO REQUIRE MORE TIMELY AND LOCALIZED MC&A DETECTION AND RESOLUTION OF MATERIAL LOSSES, WHICH WILL BE AN INTEGRAL PART OF AN MC&A UPGRADE RULE.
- MD 3. INSPECTION: STAFF HAS DEVELOPED, MAINTAINED AND CONDUCTED INSPECTION PROGRAMS FOR MC&A AND PHYSICAL SECURITY AT FUEL FACILITIES, REACTORS, AND SHIPMENTS OF SNM, INCLUDING SPENT FUEL.

## MAJOR ISSUES

- MD 1. ADEQUACY OF MC&A AND PHYSICAL PROTECTION PROGRAMS AT LICENSED FACILITIES AND TRANSPORTATION ACTIVITIES.
- MD 2. THE PROTECTION OF PUBLIC HEALTH AND SAFETY FROM: THEFT OF SNM AT LICENSED FACILITIES, SABOTAGE OF POWER REACTORS BY AN INSIDER, SABOTAGE OF SPENT FUEL SHIPMENTS. RESOLUTION OF INVENTORY DIFFERENCES AT FUEL CYCLE FACILITIES, THEFT OF CATEGORY I MATERIALS IN TRANSIENT SHIPMENTS.

FY 80 RESOURCES	NMSS		RES		I&E		SD		NRR		ADM		TOTAL	
	SY	\$K	SY	\$K	SY	\$K	SY	\$K	SY	\$K	SY	\$K	SY	\$K
MD 1. LICENSING	43	751	--	--	--	--	--	--	6	--	--	1,161	49	1,912
MD 2. RESOLUTION OF GENERIC & TECHNICAL ISSUES	55	1,049	8	4,000	--	--	14	2,300	--	--	--	--	77	7,349
MD 3. INSPECTION	--	--	--	--	90	1,000	--	--	--	--	--	--	90	1,000
TOTAL	98	1,800	8	4,000	90	1,000	14	2,300	6	--	--	1,161	216	10,261

FY80 PROGRAM AREA REVIEW

PROGRAM AREA: TRANSPORTATION

DATE: JULY 7, 1980

MAJOR OBJECTIVE:

ACCOMPLISHMENTS

MO 1. CERTIFY TRANSPORTATION  
PACKAGES

- DOE SPENT FUEL SHIPPING CASK CERTIFIED.
- OVER 100 QUALITY ASSURANCE PROGRAMS APPROVED.

MAJOR ISSUES:

- MO 1. MODEL NO. NFS-4 SPENT FUEL CASK.
- MO 1. FRACTURE TOUGHNESS CRITERIA FOR TRANSPORTATION CASKS.

FY80 RESOURCES<sup>1/</sup>

	<u>NMSS</u>		<u>RES</u>		<u>SD</u>		<u>IE</u>		<u>TOTAL</u>	
	<u>SY</u>	<u>\$K</u>	<u>SY</u>	<u>\$K</u>	<u>SY</u>	<u>\$K</u>	<u>SY</u>	<u>\$K</u>	<u>SY</u>	<u>\$K</u>
MO 1. CERTIFY TRANSPORTATION PACKAGES	11.7	--	--	--	--	--	--	--	11.7	--
MO 2. IMPROVE BASIS FOR REGULATION	0.3	195	1.2	687	8.0	281	--	--	9.5	1163
MO 3. INSPECTION	--	--	--	--	--	--	27.0	--	27.0	--
<b>TOTAL</b>	<b>12.0</b>	<b>195</b>	<b>1.2</b>	<b>687</b>	<b>8.0</b>	<b>281</b>	<b>27.0</b>	<b>--</b>	<b>48.2</b>	<b>1163</b>

<sup>1/</sup> RESOURCES DO NOT INCLUDE ORGANIZATIONAL SUPPORT OR THE FY80 SUPPLEMENTAL REQUEST.

FY-80 PROGRAM AREA REVIEW

PROGRAM AREA: FUEL CYCLE AND MATERIAL SAFETY

DATE: JULY 7, 1980

MAJOR OBJECTIVES:

ACCOMPLISHMENTS

MO 1. FUEL CYCLE & MATERIAL LICENSING PROGRAM

- TERMINATED LICENSE AT U.S. NUCLEAR, OAK RIDGE, TN, RELEASED FACILITY FOR UNRESTRICTED USE.
- AMENDED ALL URANIUM FUEL FACILITIES LICENSES TO COMPLY WITH EPA REGULATIONS.
- REVIEW OF RETIRED DOCKET FILES HAS IDENTIFIED MORE THAN 200 CANDIDATE SITES FOR FURTHER INVESTIGATION.
- COMPLETED 2129 MATERIALS LICENSE REVIEWS.
- PROVIDED ADVICE TO STATE OF ARIZONA ON DISPOSITION OF AMERICAN ATOMICS TRITIUM WASTE.
- CONDUCTED EIS SCOPING MEETING IN PRATTVILLE, AL, FOR PROPOSED WESTINGHOUSE FACILITY.

MO 2. IMPROVE BASIS FOR REGULATION OF FUEL CYCLE & MATERIALS PROGRAM

- DEVELOPED GUIDE FOR INTERIM STORAGE OF LOW-LEVEL WASTE.

MAJOR ISSUES:

- MO 1. ALARA PROGRAM FOR MEDICAL LICENSEES.
- MO 2. REVISION OF 10 CFR PART 20

FY80 RESOURCES<sup>1/</sup>

	<u>NMSS</u>		<u>RES</u>		<u>SD</u>		<u>IE</u>		<u>TOTAL</u>	
	<u>SY</u>	<u>\$K</u>	<u>SY</u>	<u>\$K</u>	<u>SY</u>	<u>\$K</u>	<u>SY</u>	<u>\$K</u>	<u>SY</u>	<u>\$K</u>
MO 1. FUEL CYCLE AND MATERIAL LICENSING PROGRAM	67.5	1520	--	--	--	--	--	--	67.5	1520
MO 2. IMPROVE BASIS FOR REGULATION FOR FUEL CYCLE & MATERIALS PROGRAM	12.5	507	1.8	2220	12.0	85	--	--	26.3	2812
MO 3. INSPECTION	--	--	--	--	--	--	78.9	291	78.9	291
<b>TOTAL</b>	<b>80.0</b>	<b>2027</b>	<b>1.8</b>	<b>2220</b>	<b>12.0</b>	<b>85</b>	<b>78.9</b>	<b>291</b>	<b>172.7</b>	<b>4623</b>

<sup>1/</sup> RESOURCES DO NOT INCLUDE ORGANIZATIONAL SUPPORT OR THE FY80 SUPPLEMENTAL REQUEST.

FY80 PROGRAM AREA REVIEW

PROGRAM AREA: SPENT FUEL STORAGE

DATE: JULY 7, 1981

MAJOR OBJECTIVE:

ACCOMPLISHMENTS

MO 1. PERFORM SAFETY AND ENVIRONMENTAL ASSESSMENTS FOR LICENSING DECISIONS & REMEDIAL ACTIONS

- GE MORRIS SPENT FUEL RENEWAL APPLICATION BEING PROCESSED.

MAJOR ISSUE:

MO 1. AFR SPENT FUEL STORAGE LICENSING

- AFR LICENSING RULE HAS BEEN SENT TO THE COMMISSION. DOE LICENSE APPLICATIONS EXPECTED LATE IN FY81.

FY80 RESOURCES <sup>1/</sup>

	<u>NMSS</u>		<u>RES</u>		<u>SD</u>		<u>IE</u>		<u>TOTAL</u>	
	<u>SY</u>	<u>\$K</u>	<u>SY</u>	<u>\$K</u>	<u>SY</u>	<u>\$K</u>	<u>SY</u>	<u>\$K</u>	<u>SY</u>	<u>\$K</u>
MO 1. LICENSING	2.5	250	--	--	--	--	--	--	2.5	250
MO 2. IMPROVE BASIS FOR REGULATION	--	--	--	--	3.0	--	--	--	3.0	--
MO 3. INSPECTION	--	--	--	--	0.6	--	0.6	--	0.6	--
<b>TOTAL</b>	<b>2.5</b>	<b>250</b>	<b>--</b>	<b>--</b>	<b>3.0</b>	<b>--</b>	<b>0.6</b>	<b>--</b>	<b>6.1</b>	<b>250</b>

<sup>1/</sup> RESOURCES DO NOT INCLUDE ORGANIZATIONAL SUPPORT OR THE FY80 SUPPLEMENTAL REQUEST.

OFFICE OF INSPECTION & ENFORCEMENT

REVISED INSPECTION PROGRAM

FY 1980 PROGRAM AREA REVIEW

PROGRAM AREA: Revised Inspection Program

MAJOR OBJECTIVES

1. By June 7, 1980, have one resident inspector or the equivalent thereof) at each site having one or more units in pre-op, startup, or operation.
2. By September 30, 1980 have a second resident inspector on dual unit sites and a third resident inspector on triple unit sites. (67 residents)
3. Revise program to integrate region-based inspectors and resident inspectors inspection effort.
4. Increase direct verification of licensee activities through expanded independent measurement/direct observation program.
5. Evaluate licensee performance, effectiveness of the IE inspection program and confirm inspector objectivity.
6. By September 30, 1980 have a resident inspector assigned to 24 construction sites.
7. By September 30, 1980 have two resident inspectors assigned to selected fuel facilities.

ACCOMPLISHMENTS

- Achieved as of 6/7/80.
- Fifty-three Operations residents assigned as of June 30, 1980.
- Inspection program is now based on total integration of region based and resident inspector expertise. TMI lessons learned incorporated in inspection program.
- Time spent at the site directly observing licensee/contractor activities and assessing safety conditions has increased. 20% increase in contract activities over 79 associated with independent measurement efforts.
- Five management and one series of program appraisals have been accomplished and criteria have been defined against which inspector objectivity will be measured.
- Sixteen Construction residents assigned as of June 30, 1980.
- Two Safeguards residents assigned as of June 30, 1980.

MAJOR ISSUES

Achievement of 100% resident assignments by end of FY 1980 made difficult by:

- Financial impact of relocating
- Hiring freeze
- Higher turnover rate for inspectors in general

Achievement of FY 1980 PAT program goals not possible:

- Same type personnel needed for both resident inspectors and PAT;
- PAT is #1 priority. Used on TMI investigation
- PAT only 47% staffed as of 7/1/80.

FY-80 RESOURCES

I&E	SY-316
	\$K-3,298



OFFICE OF NUCLEAR REGULATORY RESEARCH

LONG RANGE RESEARCH PLAN

RISK ASSESSMENT

## FY 80 PROGRAM AREA REVIEW

PROGRAM AREA: LONG RANGE RESEARCH PLAN

MAJOR OBJECTIVE(S): TO DEVELOP A SCHEDULE OF ACTIVITIES FOR IDENTIFYING AND RESOLVING SIGNIFICANT RESEARCH POLICY ISSUES, AND TO COORDINATE A 5-YEAR PLAN.

ACCOMPLISHMENTS: COORDINATED THE PREPARATION OF A LONG RANGE RESEARCH PLAN FOR THE SAFEGUARDS, REACTOR ENVIRONMENTAL EFFECTS, WASTE MANAGEMENT AND FUEL CYCLE DECISION UNITS. PLAN FORWARDED TO EDO, COMMISSION, AND ACPS FOR REVIEW (7/10/80).

SCHEDULE: LONG RANGE RESEARCH PLAN FOR THE REMAINING RES DECISION UNITS TO BE COMPLETED 9/30/80.

MAJOR ISSUE: LONG RANGE RESEARCH PLAN FOR FAST BREEDER REACTORS AND ADVANCED CONVERTERS IS UNCERTAIN BECAUSE OF FUTURE FUNDING CONSTRAINTS FOR THESE DECISION UNITS.

FY 1980 PROGRAM AREA REVIEW

Program Area: Risk Assessment

Major Objectives

Accomplishments

- |   |  |
|---|--|
| MO 1. Develop Methodology for Probabilistic Predictions   | - Published NUREGs on Estimators for the Binomial Failure Rate Common Cause Model, and Bayesian Analysis of Component Failure Data   |
| MO 2. Develop and Apply Systematic Methods to Predict Accident Scenarios for NPP and Other Facilities of the Nuclear Fuel Cycle | - Published Report of the Task Force on Interim Operation of Indian Point, in Conjunction with OPE<br>- Supported NRR with Auxiliary Feedwater Systems Reliability Reviews, TMI-2 Cleanup Risk Studies, Short Term System Improvements, and Cost-Benefit Study for Use of Potassium Iodide |
| MO 3. Develop and Analyze Data Bases on Human Reliability, Common Cause Failures, Component and System Failure Rates            | - Published NUREGs on Data Summaries of Pumps, Control Rods and Drive Mechanisms, Diesel Generators, and Valves at Nuclear Power Plants  |

Major Issues

- MO 1. To satisfy the need for improved methods and software.
- MO 2. To identify obvious outliers while developing a skilled cadre for application of probabilistic/deterministic techniques (IREP).
- MO 3. To improve the data base for quantitative risk assessments of NPP.

FY 1980 Resources<sup>1</sup>

	RES (PAS)		IE \$K	NRR		TOTALS	
	SY	\$K		SY	\$K	SY	\$K
MO 1. Develop Methodology for Probabilistic Predictions	5.5	1200					
MO 2. Develop and Apply Systematic Methods to Predict Accident Scenarios for NPP and Other Facilities of the Nuclear Fuel Cycle	12.5	3650					
MO 3. Develop and Analyze Data Bases on Human Reliability,	5.0	1100					
TOTAL -	23.0	5950	87	8.0	638	31	6675

1. Resources Do Not Include Organizational Support or the FY 1980 Supplemental Request.

OFFICE OF STANDARDS DEVELOPMENT

LOW LEVEL RADIATION

DECOMMISSIONING

PROGRAM AREA: HEALTH EFFECTS FROM LOW LEVEL RADIATION

MAJOR OBJECTIVES

MO 1. IMPROVE THE TECHNICAL BASES FOR IMPLEMENTING STANDARDS AND REGULATIONS

MO 2. ESTABLISH APPROPRIATE STANDARDS FOR RADIATION PROTECTION OF THE GENERAL PUBLIC, SPECIAL SUB-GROUPS WITHIN THE GENERAL PUBLIC AND OCCUPATIONAL POPULATIONS

ACCOMPLISHMENTS

TECHNICAL REPORTS AND EVALUATIONS ON

- IMPROVING UNDERSTANDING OF DOSE-EFFECT RELATIONSHIPS (BIOLOGICAL DISTRIBUTION AND DOSES FROM RADIONUCLIDES AND FUEL MATERIALS, HEALTH EFFECTS RESEARCH - EPIDEMIOLOGY, EPIDEMIOLOGY FEASIBILITY PLANNING STUDY CONTRACTOR REPORT)
- IMPROVING BASIS FOR DETERMINATION OF EXPOSURE AND DOSE (DOSIMETRY PERFORMANCE TESTING, NEUTRON CALIBRATION SOURCE MODERATION)
- ASSESSING EFFECTIVENESS OF PROTECTION PROGRAMS (RESPIRATOR AND DOSIMETRY PERFORMANCE TESTING)
- ACTIVITIES RELATED TO RADIATION POLICY COUNCIL AND INTERAGENCY COMMITTEE ON RADIATION RESEARCH
- ACTIVITIES TO ESTABLISH APPROPRIATE ALARA LEVELS

MAJOR ISSUES & PROBLEMS

MO 1. PERFORMANCE TESTING FOR PERSONNEL DOSIMETRY AND EMERGENCY USE OF RESPIRATORS ARE MAJOR ISSUES

MO 2. PROBLEM WITH ESTABLISHMENT OF RADIATION POLICY COUNCIL AGENDA. EXTENSIVE 10 CFR 20 REVISION COMMENTS - WILL TAKE CONSIDERABLE TIME TO CHARACTERIZE, CONTRACTOR ON FEASIBILITY/PLANNING STUDY MET WITH RELUCTANCE OF A FEDERAL AGENCY TO SUPPLY DATA ESTABLISHMENT OF MEDICAL ALARA PROGRAM

FY 80 RESOURCES

	<u>SD</u>		<u>RES</u>		<u>NRR</u>		<u>NMSS</u>		<u>TOTAL</u>	
	SY	\$K	SY	\$K	SY	\$K	SY	\$K	SY	\$K
MO 1. TECHNICAL BASES	2.1	380	1.9	1684	.1	80			4.1	2144
MO 2. APPROPRIATE STANDARDS	1.5		.1	130			.2	75	1.8	205

DATE: 7/08/80

EY80 PROGRAM AREA REVIEW

PROGRAM AREA: DECOMMISSIONING

MAJOR OBJECTIVES

- 0 1. DEVELOP INFORMATION BASE
- 0 2. DEVELOP GENERAL POLICY
- 0 3. DEVELOP REGULATORY CHANGES

ACCOMPLISHMENTS

- TECHNICAL REPORTS COMPLETED FOR PWR, BWR & MOST FUEL CYCLE FACILITIES
- WORKING PAPER OF DRAFT GEIS READY FOR INTEROFFICE REVIEW (7/25/80)
- DRAFT STAFF REPORTS ON MAJOR ISSUES COMPLETED
- DRAFT STAFF REPORT ON SUGGESTED CHANGES COMPLETED

MAJOR ISSUES & PROBLEMS

- 0 1. CONTRACTOR WAS 9 MONTHS LATE WITH BWR TECHNICAL REPORT
  - 0 2 & 3. CONTRACTOR EFFORT ON DRAFT GEIS WAS UNSATISFACTORY
- ASSURING AVAILABILITY OF FUNDS FOR DECOMMISSIONING IS HIGHLY CONTROVERSIAL
- CRITERIA FOR ACCEPTABLE RESIDUAL RADIOACTIVITY WAS NOT AVAILABLE

EY80 RESOURCES

	SD		RES		OTHER		TOTALS	
	SY	\$K	SY	\$K	SY	\$K	SY	\$K
0 1. DEVELOP INFORMATION BASE	3.0	820.	0.7	400	2.0	-	5.7	1220
0 2 & 3. DEVELOP POLICY & REGULATIONS	2.0	54.2	-	-	0.6	-	2.6	54.2

OFFICE OF INTERNATIONAL PROGRAMS

INTERNATIONAL EFFORTS

FY 80 PROGRAM AREA REVIEW

Date: 7/9/80

Program Area: International Efforts

Major Objectives

Accomplishment

- |  |  |
|--|--|
| MO 1. Export-Import Licensing;<br>International Safeguards;<br>Intelligence Support<br>(PPPG A.3.e.) | - Took steps to improve timeliness and quality of export licensing reviews; prepared proposed Part 75 to implement the U.S. voluntary safeguards offer; took steps to acquire improved international safeguards and nonproliferation/intelligence information. |
| MO 2. Regulatory and Safety Research<br>Information Exchanges<br>(PPPG B.2.g.)                       | - Took first steps in post-TMI upgrading of NRC and multilateral efforts to acquire and use foreign reactor operating data; signed several new and renewed exchange agreements.  |
| MO 3. Safety Assistance to IAEA and<br>Developing Countries;<br>International Standards              | - Provided safety assistance to developing countries in key areas, within staff resource restraints imposed by TMI; completed work on several IAEA power reactor safety guides.  |

Major Issues

- MO 1. Whether all NRC actions necessary for ratification of the U.S./IAEA Safeguards Agreement can be completed in time to complete ratification at the outset of NPT Review Conference, to begin August 11.
- MO 2. How responsive will foreign agencies be to NRC and NEA efforts to acquire reactor operating data.
- MO 3. Whether available technical staff resources, which have decreased since TMI, can be focused further in key areas to best serve safety assistance interests.

FY 80 Resources <sup>1/</sup>

	IP		NMSS		IE		SD		RES		NRR		TOTAL	
	SY	\$K	SY	\$K	SY	\$K	SY	\$K	SY	\$K	SY	\$K	SY	\$K
MO 1.	10		7	(292)	1								18	(292)
MO 2.	5	(12)							2		1		8	(12)
MO 3.	2	(82)			1		5				1		9	(82)
<b>TOTAL</b>	<b>17</b>	<b>(94)</b>	<b>7</b>	<b>(292)</b>	<b>2</b>		<b>5</b>		<b>2</b>		<b>2</b>		<b>35</b>	<b>(386)</b>

<sup>1/</sup> Resources do not include organizational support.



OFFICE OF THE EXECUTIVE DIRECTOR FOR OPERATIONS

EMERGENCY PREPAREDNESS

FY 80 PROGRAM AREA REVIEW

PROGRAM AREA: Emergency Preparedness

MAJOR OBJECTIVES

- MO 1. UPGRADE EMERGENCY PREPAREDNESS AT AND AROUND NUCLEAR REACTORS
- MO 2. UPGRADE EMERGENCY PREPAREDNESS AT AND AROUND MATERIALS LICENSEE AND FUEL CYCLE FACILITIES
- MO 3. UPGRADE THE AGENCY'S PLANS FOR RESPONDING TO INCIDENTS AT NUCLEAR FACILITIES

ACCOMPLISHMENTS

- STAFF HAVE GONE THROUGH RULEMAKING PROCEEDINGS TO PREPARE FINAL RULE PRESENTLY BEFORE THE COMMISSION. STAFF AND FEMA HAVE JOINTLY PUBLISHED FOR INTERIM USE AND COMMENT CRITERIA FOR PREPARATION AND EVALUATION OF PLANS.
- STAFF HAS PREPARED COMMISSION PAPER DESCRIBING RULEMAKING AND CRITERIA PREPARATION SCHEDULE.
- STAFF IS PREPARING A COMPREHENSIVE AGENCY PLAN FOR RESPONDING TO NUCLEAR INCIDENTS AT NUCLEAR FACILITIES. STAFF HAS PREPARED A SERIES OF COMMISSION PAPERS DESCRIBING FOUR POSSIBLE ALTERNATIVES FOR A NUCLEAR DATA LINK (NDL) WHICH IDENTIFIED RESPECTIVE COSTS.

MAJOR ISSUES

- MO 1. FINAL RULE IS BEFORE THE COMMISSION. COMMENTS HAVE BEEN RECEIVED ON CRITERIA WHICH ARE BEING REVISED AND WILL BE REISSUED BY THE END OF FY 80.
- MO 2. DRAFT CRITERIA FOR PREPARATION AND EVALUATION OF RADIOLOGICAL CONTINGENCY PLANS AROUND NMSS LICENSEES WILL BE AVAILABLE BY JULY 31, 1980. ADVANCE NOTICE OF PROPOSED RULEMAKING WILL BE PUBLISHED DECEMBER 31, 1980.
- MO 3. THE COMPREHENSIVE AGENCY PLAN FOR RESPONDING TO NUCLEAR INCIDENTS AT NUCLEAR FACILITIES WILL BE SUBMITTED TO CONGRESS BY SEPTEMBER 30, 1980. STAFF IS REFINING THE COMMISSION-FAVORED NDL ALTERNATIVE IN TERMS OF COST AND RELATIONSHIP TO OTHER DATA HANDLING REQUIREMENTS (SPDS, TSC, & EOF). THE NDL SPECIFICATIONS SUITABLE FOR COMPETITIVE BIDDING WILL BE PREPARED BY END OF FY 1980.

FY 80 RESOURCES

	NRR		SD		NMSS		IE		SP		TOTAL	
	SY	\$K	SY	\$K	SY	\$K	SY	\$K	SY	\$K	SY	\$K
MO 1.	21	1350	2	340			10	157	8	1920	41	3767
MO 2.			1		8.3	400					9.3	400
MO 3.							8	285			8	285
	21	1350	3	340	8.3	400	18	442	8	1920	58.3	4,452

OFFICE FOR ANALYSIS AND EVALUATION OF OPERATIONAL DATA

OPERATIONAL DATA

FY80 PROGRAM AREA REVIEWPROGRAM AREA: OPERATIONAL DATA ANALYSISMAJOR OBJECTIVES

MO 1. IMPLEMENT ORGANIZATIONAL AND ADMINISTRATIVE ACTIVITIES NECESSARY TO ACHIEVE AN INTEGRATED NRC PROGRAM FOR THE COLLECTION AND EVALUATION OF OPERATIONAL DATA.

MO 2. PERFORM ANALYSIS AND EVALUATION OF OPERATIONAL DATA.

MAJOR ISSUES

1. REVISED REPORTING REQUIREMENTS - STAFF PAPER TO THE COMMISSION IN JANUARY 1981.
2. FUTURE UTILIZATION OF AND IMPROVEMENT OF THE NUCLEAR PLANT RELIABILITY DATA SYSTEM (NPRDS) - STAFF PAPER TO THE COMMISSION IN AUGUST 1980.
3. ORGANIZATIONAL RESPONSIBILITIES AND FUNCTIONS TO BE DEFINED IN AN NRC MANUAL CHAPTER FOR OPERATIONAL SAFETY DATA REVIEW PROCEDURES.
4. PROPER STAFFING LEVELS AND NEED FOR PROGRAM SUPPORT COORDINATION FOR SPECIFIC ACTIVITIES INVOLVING OPERATIONAL DATA ANALYSIS.

FY80 RESOURCES 1/

AEOD		NRR		NMSS		MPA		IE		RES		SD		SP		IP		ADM		TOTAL
SY	\$K	SY	\$K	SY	\$K	SY	\$K	SY	\$K	SY	\$K	SY	\$K	SY	\$K	SY	\$K	SY	\$K	
22.0	110	8.5	200	6.3	80	5.5	125	18.0	50	4.0	1900	0.8	-	-	-	0.5	-	-	-	65.6 SY 2465K

1/ BASED ON ESTIMATES DEVELOPED DURING THE PROGRAM AREA REVIEW OF THE FY 1982 BUDGET REQUEST.

THREE MILE ISLAND

ACTION PLAN

TMI ACTION ITEMS COMPLETED AS OF JUNE 1980

I.A.2.1	Immediate upgrading of operator and Senior Operator training and qualifications.	(NRR)
I.A.3.1	Revised scope and criteria for licensing exams.	(NRR)
I.B.1.1	Management for operations - long term improvements.	(NRR)
I.B.1.2	Management for operations - evaluation of NTOL applicants.	(IE)
I.D.6	Control Room Design - Technology Transfer Conference.	(RES)
II.B.6	Support of Study to reduce risks at operating reactors near high population densities (NUREG/Cr 1409, 10, 11).	(NRR)
II.B.7	Safety Review Consideration - analysis of hydrogen control.	(NRR)
III.A.2.2	Development of guidance and criteria.	(NRR)
IV.E.5	Assess currently operating reactors.	(NRR)

MAJOR ISSUES RELATED TO TMI ACTION PLAN

II.B.8	Rulemaking Proceeding on Degraded-Core Accidents (SD) - NRC Office Coordination, Unresolved Safety Issue.
II.F.2	Identification of and Recovery from Conditions Leading to Inadequate Core Cooling (NRR) - Uncertainty with January 1, 1981 Implementation.
III.A.2.a	Upgrade Licensee Emergency Support Facilities (SD) - Action Dependent on Final Rule.