

SEP 27 1988

MEMO FUNCHES

- 1 -

MEMORANDUM FOR: Jesse L. Funches, Director
Planning Management, Policy/Development
and Analysis Staff

FROM: Robert E. Browning, Director
Division of High-Level Waste Management

SUBJECT: FY 1989 OPERATING PLAN

Enclosed is a draft FY 1989 Operating Plan prepared by my staff as you requested in your Sept 9, 1988, memorandum. The operating plan was prepared based on the criteria you provided (i.e. the operating plan for FY 1989 will not be as detailed as previous years, since it is only intended to provide the Office Director information on status of major commitments, such as those in the Five-Year Plan (FYP), and accomplishments.) In addition, through interaction with our HLW program analyst it was decided that in the area of technical positions (TP's), only TP's which will be started or finalized in FY 1989 will be included in the FY 1989 operating plan. Likewise, the operating plan lists rulemakings for which work efforts will start towards receiving EDO approval, will receive EDO approval, or will be finalized in FY 1989.

Some of the milestone dates for listed work items may be subject to change after Commission review of the draft Commission paper, "Regulatory Strategy and Schedules for the High-Level Waste Repository Program," that is currently undergoing EDO review. Note that FTE and dollars reflect the current FY89 budget. The FTE figures in parentheses are preliminary estimates consistent with the Commission paper currently under review and may be revised. The TA dollars are also undergoing revision, but any changes will need to be coordinated with development of the Center's operating plan, which is not finalized at this time.

It should be noted that under Section (D) Pre-Licensing and Site Characterization Reviews, items 2 and 3, Review of DOE Study Plans and Review of DOE Study Reports currently have no milestones and no firm dates on specific plans. We recognize this is an activity in the FYP, and we will add the title and milestones as we get products to review.

If you have any questions concerning this draft operating plan please contact W. Walker of my staff on extension 20447.

151

Robert E. Browning, Director
Division of High-Level Waste Management

Enclosure: As stated

DISTRIBUTION					
Central File	NMSS RF	RBrowning	BYoungblood	JBunting	RBallard
JLinehan	WWalker	HLOB RF	PDR	LPDR	LSS
ACNW					
OFC: HLPM	:HLPM	:HLPM	:	:	:
NAME: Walker	:JLinehan	:RBrowning	:	:	:
DATE: 09/27/88	: 09/27/88	: 09/27/88	:	:	:

460.1
NH16
WM-1

8809280185 880927 PDC
PDR WASTE
WM-1

High-Level Waste Program
FY89 Operating Plan

I. High-Level Waste Repository Licensing Program Element

A. NWPA Regulatory Requirements & Technical Guidance

1. Prepare Technical Positions (B.Thomas)

	<u>FTE</u>	<u>\$K</u>
Complete 20 TPs during FY89-91 (16 in FY89)	6.2 (5.9)	763

	<u>Original</u>	<u>Current</u>	<u>Actual</u>
a. Postclosure seals in unsaturated Media			
(1) Public Comment Draft	10/88		
(2) Final TP issued	4/89		9/88
b. Waste Retrievalability			
(1) Start Work	5/89		
(2) Internal Draft	9/89		
(3) Public Comment	12/89		
(4) Final TP	8/90		
c. Retrievalability Demonstration During Site Characterization			
(1) Start Work	10/88		
(2) Internal Draft	12/88		
(3) Public Comment Draft	3/89		
(4) Final TP issued	11/89		
d. Repository Design			
(1) Start Work	8/89		
(2) Internal Draft	2/90		
(3) Public Comment Draft	5/90		
(4) Final TP issued	3/91		
e. Scope of Waste Package/EBS Testing			
(1) Start Work	11/88		
(2) Internal Draft	3/89		
(3) Public Comment Draft	7/89		
(4) Final TP issued	1/90		

	<u>Original</u>	<u>Current</u>	<u>Actual</u>
f. Waste Package Reliability Analysis			
(1) Start Work	5/89		
(2) Internal Draft	11/89		
(3) Public Comment Draft	2/90		
(4) Final TP issued	9/90		
g. Chemical Interactions in Fractured Unsaturated Rock			
(1) Start Work	8/88		
(2) Internal Draft	5/90		
(3) Public Comment Draft	9/90		
(4) Final TP issued	3/91		
h. Pre-Closure Earthquake Hazard			
(1) Internal Draft	8/88		
(2) Public Comment Draft	11/88		
(3) Final TP issued	6/89		
i. Probabilistic Seismic Hazard Analysis			
(1) Start Work	8/88		
(2) Internal Draft	3/90		
(3) Public Comment Draft	6/90		
(4) Final TP issued	1/91		
j. Tectonic Models			
(1) Start Work	8/88		
(2) Internal Draft	1/89		
(3) Public Comment Draft	4/89		
(4) Final TP issued	10/89		
k. Natural Resources Assessment Methods			
(1) Start Work	10/88		
(2) Internal Draft	6/89		
(3) Public Comment Draft	9/89		
(4) Final TP issued	4/90		
l. Geologic Mapping of Shafts and Drifts			
(1) Start Work	10/88		
(2) Internal Draft	4/89		
(3) Public Comment Draft	7/89		
(4) Final TP issued	2/91		

	<u>Original</u>	<u>Current</u>	<u>Actual</u>
m. Scenario Identification and Screening			
(1) Start Work	9/89		
(2) Internal Draft	2/90		
(3) Public Comment Draft	5/90		
(4) Final TP issued	12/90		
n. Data and Parameter Uncertainty			
(1) Start Work	10/88		
(2) Internal Draft	4/90		
(3) Public Comment Draft	7/90		
(4) Final TP issued	2/91		
o. Applicable Surface Design			
(1) Start Work	8/88		
(2) Internal Draft	1/89		
(3) Public Comment Draft	3/89		
(4) Final TP issued	10/89		
p. Volcanic Hazard Analysis			
(1) Start Work	9/89		
(2) Internal Draft	8/90		
(3) Public Comment Draft	11/90		
(4) Final TP issued	8/91		

2.	<u>Rulemaking Support</u>	<u>FTE</u>	<u>\$K</u>
	Start and continue work on 6 rulemakings in FY89. Initiate at least two rulemaking per year to resolve issues.	1.5 (4.1)	0

	<u>Original</u>	<u>Current</u>	<u>Actual</u>
a.	Design Basis Accident Dose Limit (R.Neel)		
	(1) Obtain NMSS Director Approval	5/89	
	(2) Submit Approval Package to EDO	7/89	
b.	Anticipated and Unanticipated Processes and Events (J. Trapp)		
	(1) Obtain NMSS Director Approval	1/89	
	(2) Submit Approval Package to EDO	4/89	
c.	Disturbed Zone (T. Verma)		
	(1) Obtain NMSS Director Approval	TBD	
	(2) Submit Approval Package to EDO	5/89	
d.	Substantially Complete Containment (C. Peterson)		
	(1) Obtain NMSS Director Approval	TBD	
	(2) Submit Approval Package to EDO	4/89	
e.	Negotiated Rulemaking on LSS (C. Cameron)		
	(1) Final Rule	12/88	
f.	NEPA Review Procedures on Adoption of DOE's EIS (J.Wolf)		
	(1) Final Rule	7/89	

3.	<u>Format and Content Guide Support</u>	<u>FTE</u>	<u>\$K</u>
	Complete draft in FY 89, final in FY90	1.8	0

	<u>Original</u>	<u>Current</u>	<u>Actual</u>
a.	Develop License Application Format and Content Guide (R. Johnson)		
	(1) Start Work	10/88	
	(2) Issue Draft	6/89	
	(3) Complete Final Guide	6/90	

4.	<u>NWPA, NWPAA Mandated Actions</u>	<u>FTE</u>	<u>\$K</u>	
	Review DOE, Mission Plan, PDS, and other programmatic documents, as necessary. Prepare quarterly progress reports for Commission.	0.7	0	
		<u>Original</u>	<u>Current</u>	<u>Actual</u>
a.	Review DOE Mission Plan and PDS Updates (J. Corrado)			
	(1) Receive Draft DOE Mission Plan Amendment	6/88		6/88
	(2) Submit Proposed NRC Comment to EDO	8/88		8/88
	(3) Submit Proposed Comments to Commission	8/88		8/88
	(4) Receive Draft PDS	12/88		
	(5) Submit Proposed NRC Comment to EDO	2/89		
	(6) Submit Proposed Comments to Commission	2/89		
b.	Prepare Quarterly Progress Reports			
	(1) NMSS Director Concurrence			
	1st Quarter	10/88		
	2nd Quarter	1/89		
	3rd Quarter	4/89		
	4th Quarter	8/89		
5.	<u>CNWRA Management and Capability Development</u>	<u>FTE</u>	<u>\$K</u>	
	Manage CNWRA			
	Complete CNWRA Phase-In by End of FY90	3.8 (1.8)	3,104	
		<u>Original</u>	<u>Current</u>	<u>Actual</u>
a.	Manage CNWRA (J. Bunting)			
	(1) Complete Revised Operations Plan	11/88		
	(2) Draft Staffing Plan	2/89		
6.	<u>Program Architecture</u> (J. Bunting)	<u>FTE</u>	<u>\$K</u>	
	Continue program architecture development.	(2.0)		

	<u>Original</u>	<u>Current</u>	<u>Actual</u>
a. Program Architecture			
(1) Draft Program Architecture (site-constrained)	1/89		
(2) Completion of baseline Program Architecture	10/89		
(3) Suggested priorities for undertaking proposed revisions to regulatory framework	1/89		
(4) Suggested priorities for undertaking the review of DOE's Site Characterization Program	1/89		
(5) Technology Transfer from existing TA Contractors should be completed by	9/90		
b. Open Item Tracking System Modification	10/88		
(1) Prepare work plan			
B. <u>Technical Assessment Capability for Repository Licensing Reviews</u>			
1. <u>Prepare Review Plans (R. Johnson)</u>	<u>FTE</u>	<u>\$K</u>	
Revise SCP Review Plan.	4.3	425	
Revise Study Plan Review Plan.			
Start LA Review Plan and Performance Assessment Review Strategy.			
	<u>Original</u>	<u>Current</u>	<u>Actual</u>
a. Revise SCP Review Plan			
(1) Start Work	9/88		
(2) Issue Draft	10/88		
(3) Issue Final	12/88		
b. Revise Study Plan Review Plan			
(1) Issue Final Review Plan	9/89		
c. Develop License Application Review Plan			
(1) Start Work	6/89		
(2) Complete Draft	9/90		
(3) Complete Final	1/92		

	<u>Original</u>	<u>Current</u>	<u>Actual</u>
d. Develop Performance Assessment Review Strategy			
(1) Complete draft Contractor Reports	4/89		
(2) Complete final Contractor Reports	10/90		
(3) Complete draft Post-Closure Review Strategy	6/89		
(4) Complete final Post-Closure Review Strategy	8/89		
2. <u>Develop Licensing Assessment Methods (J. Holonich)</u>	<u>FTE</u>	<u>\$K</u>	
	3.6	1,023	
	<u>Original</u>	<u>Current</u>	<u>Actual</u>
a. Develop Licensing Assessment Methods	TBD		
b. Preliminary Engineered Barrier System Performance	TBD		
c. Acquire and Exercise Preliminary Performance Assessment Methodology for Tuff	TBD		
C. <u>Quality Assurance</u>	<u>FTE</u>	<u>\$K</u>	
	4.0	230	

Complete staff QA Review Plan in FY89; complete seven audits in FY89.

1. Conduct Audits of DOE's QA Programs (J. Holonich)

Observe minimum of 7 DOE audits.
Conduct 2 independent audits.

	<u>Original</u>	<u>Current</u>	<u>Actual</u>
(1) LANL	10/88		
(2) LLL Audit	10/88		
(3) H&N Audit	11/88		
(4) F&S Audit	11/88		
(5) Audit 5	Not Scheduled		
(6) Audit 6	Not Scheduled		
(7) Audit 7	Not Scheduled		
2. <u>Review DOE QA Project and Program Plans (J. Holonich)</u>			
Review QA plans			

	<u>Original</u>	<u>Current</u>	<u>Actual</u>
a. NNWSI Project QA Plan			
(1) NRC Acceptance	9/88		
b. WMPO QA Program Plan			
(1) Review & Comment	11/88		
(2) Acceptance	3/89		
c. F&S QA Program Plan			
(1) Review and Comment	11/88		
(2) Acceptance	3/89		
d. H&N QA Program Plan			
(1) Review and Comment	12/88		
(2) Acceptance	4/89		
e. USGS QA Program Plan			
(1) Review and Comment	12/88		
(2) Acceptance	4/89		
f. SNL QA Program Plan			
(1) Review and Comment	1/89		
(2) Acceptance	5/89		
g. LANL QA Program Plan			
(1) Review and Comment	2/89		
(2) Acceptance	6/89		
h. REECO QA Program Plan			
(1) Review and comment	2/89		
(2) Acceptance	6/89		
i. Review Defense Waste Processing Facility (DWPF) Program Plan			
(1) Review and comment	TBD		
(2) Acceptance	TBD		

	<u>Original</u>	<u>Current</u>	<u>Actual</u>
j. Review West Valley Demonstration Project (WVDP) Program Plan			
(1) Review and comment	TBD		
(2) Acceptance	TBD		
3. <u>Prepare Review Plan on QA (J.Kennedy)</u>			
Complete Revised QA Review Plan			
a. Complete Internal Draft	10/88		
b. Issue Final QARP	12/88		
D. <u>Pre-Licensing and Site Characterization Reviews</u>			
1. <u>Review Yucca Mountain SCP (K. Stablein)</u>	<u>FTE</u>	<u>\$K</u>	
Comment on ESF within 3 months	9.3	900	
*Prepare SCA within 7 months			
	<u>Original</u>	<u>Current</u>	<u>Actual</u>
a. DOE Issues SCP	12/88		
b. NMSS Completes Acceptance Review	2/89		
c. NMSS Submits Comments on Exploratory Shaft to DOE	4/89		
d. NMSS Submits SCA:			
(1) to ACNW	7/89		
(2) to Commission	7/89		
(3) to DOE	8/89		

* FYP states 6 months, which has been updated at Commission request to include more Commission and ACNW involvement.