

TEST PLANNING PACKAGE (TPP) 92-03  
REVISION 0  
MIDWAY VALLEY INVESTIGATIONS

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7 ASH 2/20/92

ALL SIGNATURES LISTED BELOW CONSTITUTE PROCEDURAL COMPLIANCE. I HAVE READ,  
UNDERSTOOD, AND COMPLIED WITH DOCUMENT QMP-17-01, REV. 3, ICN #2 IN  
ACCOMPLISHING MY RESPONSIBILITIES IN THIS PROCEDURE.

PACKAGE COMPILED AND VERIFIED BY: Ronald P. Nance  
NAME

2/20/92  
DATE

THE CONTENTS OF THIS PACKAGE ARE ACCURATE, COMPLETE, AND APPROPRIATE TO THE WORK  
ACCOMPLISHED.

PACKAGE AUTHENTICATED BY:

Joe S  
NAME

2/20/92  
DATE

Ronald P. Nance  
YMPO LRC PERSONNEL RECEIPT ACKNOWLEDGEMENT

2-20-92  
DATE

YMPO LRC PERSONNEL VERIFICATION SIGNATURE

DATE

YMP-071-R0  
10/30/91

**YUCCA MOUNTAIN SITE CHARACTERIZATION PROJECT  
TEST PLANNING PACKAGE APPROVAL AND RELEASE**

Test Planning Package Title: Midway Valley Investigations

Test Planning Package Number: 92-03

Responsible PE: J. Timothy Sullivan

**Summary of Scope:**

Trench and test pit mapping in Midway Valley in Area 25 at the Nevada Test Site to support evaluation of the location and recency of faulting near potential surface facilities.

Job Package Number: 92-05

WBS Number (third level): 1.2.3

Participants Affected: REECO, RSN, USGS

**Concurrence of requirements by affected Technical Project Officers:**

TPO: <u>USGS</u> <u>Larry R. Hunt</u>	Date: <u>02/19/92</u>
TPO: <u>N/A</u>	Date: <u>N/A</u>
TPO: <u>↓</u>	Date: <u>↓</u>
TPO: <u>↓</u>	Date: <u>↓</u>
TPO: <u>↓</u>	Date: <u>↓</u>

Release to: Project Control Branch

RCB for job package assembly  
for non-field work

YMPO Approvals:

RSED Director:

Date:

Affected Division Directors:

DD:

EDD

DD:

POCD

DD:

OA

Date:

Date:

Date:

## TEST PLANNING PACKAGE (TPP) 92-03 MIDWAY VALLEY INVESTIGATIONS

### 1. Study Plans or Scientific Investigations Plans

- o Study Plan 8.3.1.17.4.2 Revision 2 - "Study Plan for Evaluating the Location and Recency of Faulting Near Prospective Surface Facilities"; Principal Investigator - F. H. Swan, USGS-Geomatrix Consultants, Inc.

This revision was approved by the Regulatory & Site Evaluation Division on February 11, 1992.

### 2. Investigation Controls

#### o Interference

The proposed repository surface facilities and the Exploratory Studies Facility North Access pad are located in the same area immediately east of Exile Hill in Midway Valley. A meeting including the PI for this study, the PI for Soil and Rock Properties investigations to support Exploratory Studies Facility Title II design, and an RSN designer was held to evaluate potential test interference and coordinate the investigations. Proposed locations for excavations were discussed and subsequently located by all parties in the field. A summary of the coordination activities is provided in a letter to Dyer from Sullivan dated December 5, 1991.

#### o Impacts to Waste Isolation

To minimize potential impacts to waste isolation, the following test controls have been established by the Yucca Mountain Site Characterization Project Office (YMPO) for excavations outside the Conceptual Perimeter Drift Boundary on the basis of evaluations of test interference and impacts to waste isolation completed for approved TPP 90-1 and more recent updates that are included in the current revision of the Technical Requirements for the Yucca Mountain Site Characterization Project Surface-based Testing, Revision 5 (TRD):

- a. The quantities and source of water (e.g., Well J-13) used for construction and dust control shall be measured and recorded. A permanent record of this information shall be maintained.
- b. Outside the Conceptual Drift Perimeter Boundary, the amount of water used in site preparation and operations should be limited to the amount required for sanitation, dust control, compaction of engineered fill material and proper equipment operation.
- c. Trench excavations shall be limited to depths of no greater than 10 meters unless test controls have been re-evaluated and the greater depth found to be acceptable.
- d. The location of trenches, access roads, excavations and structures, and a chronology of construction and testing activities shall be maintained as a historical record.

2 RPW  
2/20/92

## TEST PLANNING PACKAGE (TPP) 92-03 MIDWAY VALLEY INVESTIGATIONS

### o Environmental Impacts

Environmental requirements for trench and test pit excavation have been included in Appendix D of the TRD and will be reflected in the standard drawing and specification that will guide the work. Environmental approval for each of the proposed excavation sites is required prior to initiating field activities.

A hazardous materials review meeting was held on December 12, 1991, and no additional investigation controls were defined. Other environmental requirements have been identified in the TRD and the Job Package.

### 3. Other Instructions

No special instructions apply.

### 4. References to SCP Comments and Study Plan that have been Considered Relative to Test (AP-1.14Q).

No study plan or SCP comments have been identified that impact Midway Valley activities in the Readiness Review.

### 5. References to Design Requirements

Excavation requirements for continued Midway Valley investigations were originally addressed in the letter from Sandia National Laboratories to YMO dated August 5, 1991. This letter was incorporated in Appendix A of the TRD. Subsequent meetings have clarified these requirements as needed.

### 6. Cost and Schedule Data (Including WBS, P&S, Project Networks)

Midway Valley field activities are included in WBS 1.2.3.2.8.4.2 and USGS PACS P&S account OG32842 scheduled to begin in late February 1992. Test pits and trenches on the east side of Exile Hill near the ESF north access portal will be described, mapped, and reviewed prior to November 1992. A final report will be completed by September 1993. Final reports for additional continuous trenches, other test pits, exploratory trenches, and the final surficial geology map of the Midway Valley study area will also be completed by September 1993.

Additional cost and schedule data is included in Job Package 92-05.

### 7. Quality Assurance Preparation - Grading Packages

Open QA deficiency documents that potentially impact these activities were identified during the Midway Valley Readiness Review and have been closed.

The following approved Quality Assurance Grading Report covers the testing activities.

USGS-S1232842A, B, C

This grading report was originally submitted by SNL and remains applicable to this investigation (ltr, Hayes to Dyer, dtd 12/23/91).

*SPW  
2/20/92*

TEST PLANNING PACKAGE TFP 92-03 MIDWAY VALLEY INVESTIGATIONS

WBS 1.2.3.2.8.4.2 — U. S. Geological Survey (USGS) "Midway Valley"

- o locating excavation sites in the field
- o technical direction for the field investigation including field coordination, as needed, of fault investigations and ESF soil and rock properties investigations that may be conducted in excavations near the pad for the ESF North Access. (see attachment 1)
- o prepare maps and descriptions of the excavations
- o analysis of samples

RPN  
2/20/92

TEST PLANNING PACKAGE (TPP) 92-03 MIDWAY VALLEY INVESTIGATIONS

8. Readiness Review (AP-5.13Q)

The YMPO Readiness Review for Midway Valley activities was conducted during December 1990 and January 1991. All open prerequisites were closed by January 21, 1991, for the initial trench investigation in Area A. Documentation is included in the Final Readiness Review Record Memorandum for Study 8.3.1.17.4.2, Records Package ID MNA.910205.0097 in the YMPO Records Center. Environmental compliance approval for each of the proposed investigation sites is required prior to initiating field activities. Documentation will be referenced or included in JP 92-05.

RPN  
4 2/20/92

**DIVISION OF SAFEGUARDS AND TRANSPORTATION**  
**STAFF LISTING**

MARCH 1992  
MAIL STOP 4E-4

New (301) 504-XXXX  
FTS 8-964-XXXX  
FAX 504-2474

51/20  
**OFFICE OF THE DIRECTOR (SGTR)**  
BURNETT, Robert F. 43365 4E1 (43367)  
TEN EYCK, Elizabeth Q. 43363 4E3 (43369)  
Lepre, Janet L. 43365 4E4  
\*Tipton, Lynn M. 43363 4E6

51/21  
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**Private (43377)**

\*Creed, James R. 43371 4E7  
\*Sherr, Theodore S. 43371 4E7  
Graaff, Patricia 43371 4A1

**Requirements Oversight Section**

Brown, Carrie 42382 4F9  
Castaneira, Rocio 42392 3F16  
Caudill, Steve 42443 4F5  
Chen, Yen-Ju 42131 4C13  
Dwyer, Priscilla A. 42478 4E12  
Floyd, William C. 42480 4F11  
Higdon, Joan 42477 4F3  
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\*Sawyer, Carl B. 42366 4F13

**Physical Security & MC&A Licensing**  
**Inspection Section**

Ting, Philip 43379 3E17  
Cassano, Richard 42168 3F13  
\*Ebert, Norma 42698 3E16  
Gaskin, Charles E. 42649 3E13  
Jackson, Raymond L. 42380 3C7  
Levy, Martin 42383 3E14  
Milstein, Richard 41867 3F14  
Pham, Thomas 42362 3E12  
Suarez, Elizabeth 42384 3F15

\*S. Ruffin (IMNS) on rotation to SGTB  
\*Karen Loubris starts SGIB 3/22  
\*L. Tipton to Ofc. of the EDO  
\*W. Murphey Acting Section Leader,  
Intl. Assistance Section  
\*C. Emeigh to Ofc. of the EDO (504-1736)

51/23  
**TRANSPORTATION BRANCH (SGTB)**  
**Private (43384)**

MACDONALD, Charles E. 42489 4D3  
Gilbert, Lauren M. 42489 4E24

**Cask Certification Section**

Chappell, Ross R. 42457 4D7  
Bailey, Marissa G. 42181 4F17  
\*Easton, Earl 42462 4E21  
\*Steve Ruffin 42222 4C11  
Huang, Daniel T. 42487 4E22  
Johnson, Ima 43382 4F21  
Lee, Henry W. 42485 4E20  
Osgood, Nancy 42459 4D8  
White, Bernard 42455 4F19  
\*Withee, Carl J. 42358 4C9  
Yang, Li 42483 4D16  
Ziegler, Eloise R. 42484 4F15

**Transportation Projects Section**

Bennington, Gloria M. 42461 4D6  
Cook, John R. 42458 4E23  
Lusardi, Margaret 42704 4D12  
Rentschler, Russel 42381 4E17

**Quality Assurance Section**

Jankovich, John P. 43414 4E11  
\*Broom, Jeannine M. (Jan) 42433 4F20  
Matula, Thomas 42437 4C7  
O'Connor, Stephen C. 42460 4E18

\*N. Ebert on temporary assignment

51/22  
**INTERNATIONAL SAFEGUARDS BRANCH (SGIB)**  
**Private (43499)**

SMITH, Charles N. (Mike) 43497 3D3  
Snodderly, Mary 43497 3D4

**International Assistance Section**

\*Emeigh, Charles W. 42396 3E21  
Barnett, Kristen 42635 3F21  
Giarratana, Angelo C. 42361 3C11  
Hoadley, Danielle A. 41382 3D8  
Horn, Brian G. 42391 3D12  
\*Loubris, Karen 43495 3D3  
\*Murphey, William M. 42363 3C9  
Tana, Patricia M. 42386 3F17  
Zibulsky, Harvey 42351 3D10

**Threat, Event, and Information**  
**Analysis Section**

Yardumian, Joseph 43380 3E19  
Davidson, John J. 42465 4C8  
Fadden, Mary A. 41499 3E20  
Gramann, Richard M. 42456 3D7  
Lessler, Lance J. 42481 3D14  
Salus, Amy 42387 3E22  
Warren, Roberta S. 41602 4C10

\*J. Broom out on maternity leave  
\*E. Easton Acting Section Leader,  
Transportation Projects Section  
\*T. Sherr Assigned to State Department  
\*J. Creed (RIII), Acting Branch  
Chief, Domestic Safeguards Branch  
\*C. Sawyer Acting Section Leader,  
Requirements Oversight Section  
\*C. Withee to Fuel Cycle Safety  
Branch, IMNS

Summary Account No. - 0G3284JC  
Summary Account Title - 8.3.1.17.4.2.2 Conduct Exploratory Trenching in Mi  
Status -  
Type of Effort - DISCRETE  
P&S Account No. - 0G32842  
P&S Account Manager - XXXXX  
P&S Account Title - Loc. & Rec. of Fault. Near Prosp. Surf. Facil.

Sch. Start Date - 02-oct-1992  
Sch. Finish Date - 01-jul-1993  
Pln. Start Date - 02-oct-1992  
Pln. Finish Date - 01-jul-1993  
Act. Start Date -  
Act. Finish Date -

Statement of Work

CONTINUE TO EXCAVATE TRENCH A-3 [3GFP011]:  
Extend and continue trenching.  
CONTINUE TO LOG TRENCHES THROUGH PROPOSED ESF [3GFP008]:  
Continue field investigation making maps showing vertical distribution of units and any faults.  
WRITE REPORT ON TRENCH A-3 [3GFP016]:  
Collect samples for age determinations.  
WRITE REPORT FOR TRENCHING OF PROPOSED ESF [3GFP008]:  
Write report on Quaternary tectonic history of Midway Valley.

PRODUCTS:

REPORT: TRENCH LOG ON A-3 - 2/93 [3GFP011M]  
REPORT: ESF TRENCHES - 7/93 [3GFP008M]

Fiscal Year 1992	Resource Distributions												Total
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
Budgeted Cost of Work Scheduled													
Subcontractor Dollars	0	0	0	0	0	0	0	0	0	0	0	0	0
Total BCWS	0	0	0	0	0	0	0	0	0	0	0	0	0

	Prior	Fiscal Year Distributions											At Complete
		FY1992	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	Future	
Annual Budget	0	0	200	0	0	0	0	0	0	0	0	0	200

INFORMATION COPY

Approvals

N/A

Summary Account Manager

Date

P&S Account Manager

Date



P&S Account No. - OR353M P&S Account Manager - LEONARD  
P&S Account Title - In Situ Strs. Drhlle. & Tets., & Qua. Flt. Trnchs.  
PWBS No. - 1.2.3.5.3.22 PWBS Manager - LONG  
PWBS Title - IN SITU STRS. DRHLLE. & TETS., & QUA. FLT. TRNCHS.  
Sch. Start Date - 30-sep-1991  
Sch. Finish Date - 24-may-1996

# Statement of Work

Provide labor, material, and equipment as necessary to trench in Midway Valley and in the vicinity of Yucca Mountain, support drilling and preliminary in situ stress tests in a single preliminary drillhole, and in situ stress tests in existing wells, based upon the results of testing in the first in situ stress drillhole.

(Reference Quality Assurance Grading Report(s) R90-1.2.3-0002, R91-1.2.3-0001)

		F i s c a l   Y e a r 1992												Total
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
Id Description														
OR35322D1 Complete Trenching/Geologic St		4	4	4	4	4	4	8	13	19	19	12	4	99
Total		4	4	4	4	4	4	8	13	19	19	12	4	99

Fiscal Year 1992	Resource Distributions												Total
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
Budgeted Cost of Work Scheduled	79	65	76	79	68	79	146	239	353	355	217	76	1837
Labor Hours	79	65	76	79	68	79	146	239	353	355	217	76	1837
Operating Dollars	4	4	4	4	4	4	8	13	19	19	12	4	99
Total BCWS	4	4	4	4	4	4	8	13	19	19	12	4	99

	Fiscal Year Distributions											At Complete	
	Prior	FY1992	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	Future	
Annual Budget	44	99	367	330	107	34	0	0	0	0	0	0	982

INFORMATION COPY

## Approvals

N/A

P&S Account Manager

Date

Technical Project Officer Date

Project WBS Element Manager Date

Summary Account No. - OR35322D1	Summary Account Manager - Mason/Leonard	Sch. Start Date - 01-oct-1991 Sch. Finish Date - 05-oct-1992
Summary Account Title - Complete Trenching/Geologic Studies (Quaternary)	Type of Effort - DISCRETE	
Status -		Pln. Start Date - 01-oct-1991 Pln. Finish Date - 05-oct-1992
P&S Account No. - OR353M	P&S Account Manager - LEONARD	Act. Start Date - Act. Finish Date -
P&S Account Title - In Situ Strs. Drllhle. & Tsts., & Qua. Flt. Trnchs.		

Statement of Work

Provide labor, material, and equipment as necessary to support the completion of trenching in Midway Valley and excavation of soil pits.

Fiscal Year 1992	Resource Distributions												Total
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
Budgeted Cost of Work Scheduled													
Labor Hours	79	65	76	79	68	79	146	239	353	355	217	76	1837
Labor Dollars	3	2	3	3	3	3	6	9	13	13	8	3	70
Other Direct Costs	1	1	1	1	1	1	2	4	6	6	4	1	30
Total BCWS	4	4	4	4	4	4	8	13	19	19	12	4	99

	Fiscal Year Distributions											At Complete	
	Prior	FY1992	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	Future	
Annual Budget	0	99	1	0	0	0	0	0	0	0	0	0	100

INFORMATION COPY

Approvals

N/A

Summary Account Manager

Date

P&S Account Manager

Date

Summary Account No. - OR35322D1	Summary Account Manager - Mason/Leonard	Sch. Start Date - 01-oct-1991
Summary Account Title - Complete Trenching/Geologic Studies (Quaternary)	Type of Effort - DISCRETE	Sch. Finish Date - 05-oct-1992
Status -		Pln. Start Date - 01-oct-1991
P&S Account No. - OR353M	P&S Account Manager - LEONARD	Pln. Finish Date - 05-oct-1992
P&S Account Title - In Situ Strs. Drllhle. & Tsts., & Qua. Flt. Trnchs.		Act. Start Date -
		Act. Finish Date -

ACTIVITY NUMBER	ACTIVITY DESCRIPTION	DURATION	WBS	PARTICIPANT CODE	EARLY START	EARLY FINISH	LATE START	LATE FINISH	FREE FLOAT	TOTAL FLOAT
OR35322C	EXC TRENCH FOR GEOLOGIC STUDIES -MIDWAY VALLEY	250	353M	OR	01-oct-91	05-oct-92	17-may-02	22-may-03	0	2610
PREDECESSOR ACTIVITIES										
OR353330	NATURAL INFILTRATION DRILLHOLES & CONSTRUCTION	REL SS	LAG 0	220 3533	OR	a01-oct-91	a07-may-92	08-sep-94	15-apr-95	0 1073
SUCCESSOR ACTIVITIES										
OR35322D	TRENCHING FOR GEOLOGIC STUDIES (QUARTENARY)	REL FS	LAG 0	250 353M	OR	a06-oct-92	a12-oct-93	23-may-03	27-may-04	736 2610

INFORMATION COPY

P&S Account No. - RS3522

P&S Account Manager - WRIGHT

Sch. Start Date - 05-nov-1990  
Sch. Finish Date - 30-sep-2001

P&S Account Title - Engineering, Design and Drilling Support

PWBS No. - 1.2.3.5.2.2

PWBS Manager - LONG

PWBS Title - ENGINEERING, DESIGN AND DRILLING SUPPORT

# Statement of Work

Provide drillhole engineering, design, inspection, reporting, and drill rig services to complete the testing program. RSN will maintain a staff of qualified field drilling personnel to provide on-site engineering, record keeping, and technical consulting to the operation. Drilling Engineering includes overall management of the RSN drilling support, planning, design engineering including estimating as may be required, preparation and implementation of drilling procedures, and on-site reporting activities. Other RSN services as survey, test lab support, and field engineering will be used as required by the operation. These services will be utilized through the field engineering group.

(Reference Quality Assurance Grading Report(s) RSN-GR-008)

		Fiscal Year 1992												Total
		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
Id	Description													
RS3522C92	Drillhole Engineering, Design,	91	74	87	91	78	91	91	82	91	91	87	87	1039
Total		91	74	87	91	78	91	91	82	91	91	87	87	1039

		Resource Distributions												Total
Fiscal Year 1992		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
Budgeted Cost of Work Scheduled														
Operating Dollars		91	74	87	91	78	91	91	82	91	91	87	87	1039
Total BCWS		91	74	87	91	78	91	91	82	91	91	87	87	1039

	Fiscal Year Distributions											At	
	Prior	FY1992	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	Future	Complete
Annual Budget	694	1039	3072	4118	4102	4118	4118	4118	4118	4118	4102	0	37719

INFORMATION COPY

# Approvals

N/A

P&S Account Manager

Date

Technical Project Officer Date

Project WBS Element Manager Date

Summary Account No. - RS3522C92	Summary Account Manager - Wright	Sch. Start Date - 01-oct-1991
Summary Account Title - Drillhole Engineering, Design, Insp. Reporting	Type of Effort - DISCRETE	Sch. Finish Date - 30-sep-1992
Status -		Pln. Start Date - 01-oct-1991
P&S Account No. - RS3522	P&S Account Manager - WRIGHT	Pln. Finish Date - 30-sep-1992
P&S Account Title - Engineering, Design and Drilling Support		Act. Start Date -
		Act. Finish Date -

#### Statement of Work

Provide drillhole engineering, design, inspection, reporting, and drill rig services to complete the testing program. RSN will maintain a staff of qualified field drilling personnel to provide on-site engineering, records keeping, and technical consulting to the operation. Drilling Engineering includes overall management of the RSN drilling support, planning, design engineering including estimating as may be required, preparation and implementation of drilling procedures, and on-site reporting activities. Other RSN services as survey, test lab support, and field engineering will be used as required by the operation. These services will be utilized through the field engineering group.

Fiscal Year 1992	Resource Distributions												Total
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	
Budgeted Cost of Work Scheduled													
Labor Dollars	91	74	87	91	78	91	91	82	91	91	87	87	1039
Total BCWS	91	74	87	91	78	91	91	82	91	91	87	87	1039

	Fiscal Year Distributions											At Complete	
	Prior	FY1992	FY1993	FY1994	FY1995	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	Future	
Annual Budget	0	1039	0	0	0	0	0	0	0	0	0	0	1039

INFORMATION COPY

#### Approvals

*[Signature]*

Summary Account Manager

Date

P&S Account Manager

Date

Database - RSN  
Prepared - 30-JAN-92:10:28

Planning and Control System (PACS)  
Summary Account Planning Sheet (SAS01)

Inc Dollars in Thousands (Unesc)

Summary Account No. - RS3522C92

Summary Account Manager - Wright

Sch. Start Date - 01-oct-1991  
Sch. Finish Date - 30-sep-1992

Summary Account Title - Drillhole Engineering, Design, Insp. Reporting

Type of Effort - DISCRETE

Pln. Start Date - 01-oct-1991  
Pln. Finish Date - 30-sep-1992

Status -

P&S Account No. - RS3522

P&S Account Manager - WRIGHT

Act. Start Date -  
Act. Finish Date -

P&S Account Title - Engineering, Design and Drilling Support

ACTIVITY NUMBER	ACTIVITY DESCRIPTION	DURATION	WBS	PARTICIPANT CODE	EARLY START	EARLY FINISH	LATE START	LATE FINISH	FREE FLOAT	TOTAL FLOAT
RS3522C2	ENGINEERING DESIGN DRILL SUPPORT	262	3522	RS	01-oct-91	30-sep-92	28-may-03	27-may-04	957	3041

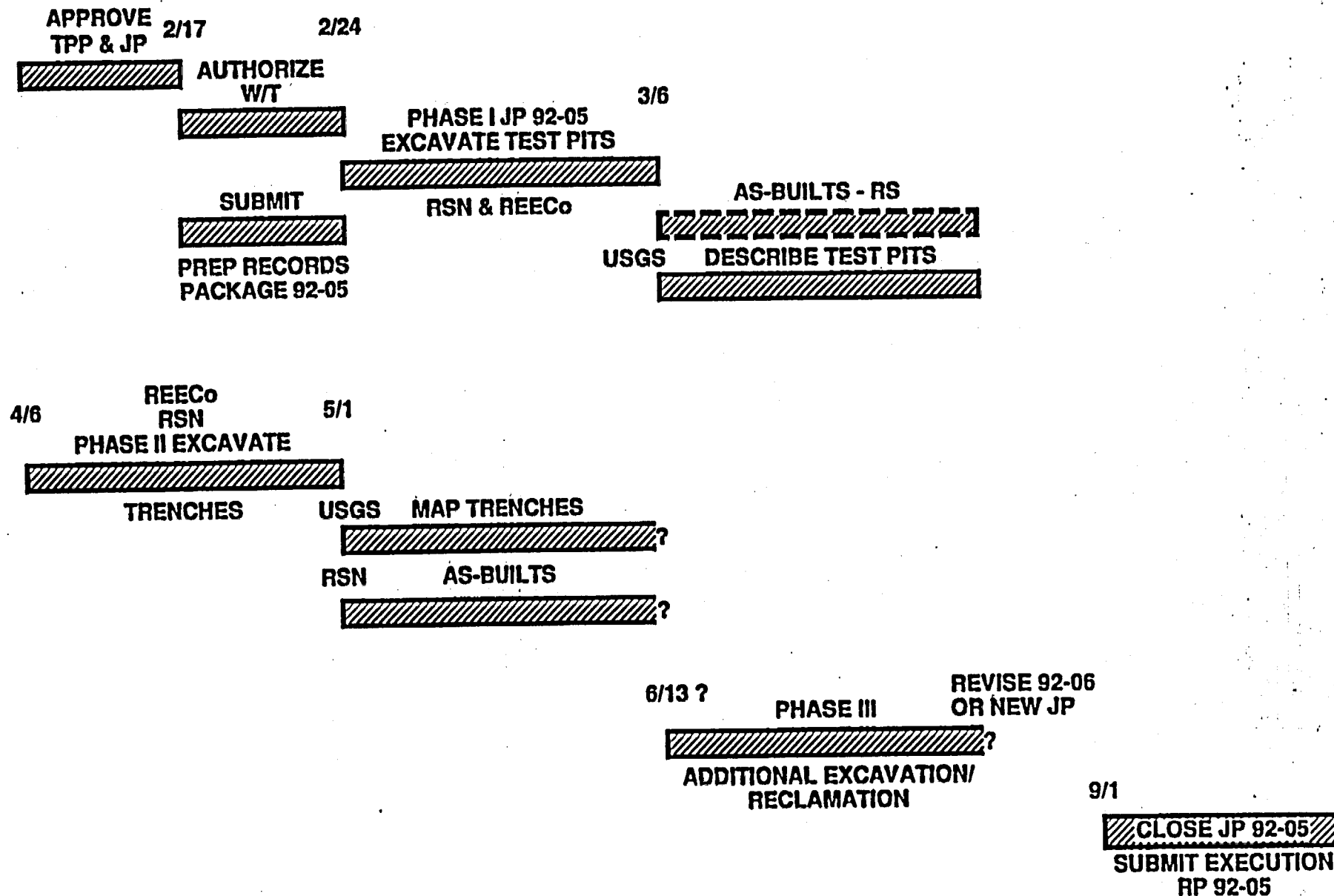
INFORMATION COPY

ATTACHMENT 2

SCHEDULE

# SCHEDULE FOR MIDWAY VALLEY TRENCHING

JTS 2/5/92





ATTACHMENT 3

ENVIRONMENTAL COMPLIANCE LETTERS



**Department of Energy**  
Yucca Mountain Site Characterization  
Project Office  
P. O. Box 98608  
Las Vegas, NV 89193-8608

WBS 1.2.5.4  
QA: N/A

OCT 11 1991

Uel S. Clanton, Chief, Site Investigations Branch, RSED, YMP

**REQUEST FOR LAND ACCESS AND ENVIRONMENTAL COMPLIANCE APPROVAL FOR MIDWAY VALLEY SOIL TEST PITS AND TRENCHES**

Your submittal for land access and environmental compliance approval for Midway Valley soil test pits has been processed. This letter grants approval for 6 of the 24 soil test pits, which include MWV-P1, MWV-P2, MWV-P3, MWV-P4, MWV-P5, and MWV-P15. The trenches have not been surveyed at this time. The following is provided regarding this activity:

1. The locations of the six soil test pits are on the Nevada Test Site. For access, only U.S. Department of Energy requirements apply.
2. The activity complies with applicable environmental regulatory requirements as defined by the Environmental Regulatory Compliance Plan.
3. The activity does not conflict with Environmental Monitoring and Mitigation Plan commitments. However, identification of any important resources, such as the desert tortoise or Native American artifacts, by field personnel should be reported to the Operations Control Branch (OCB).
4. The biological preactivity survey indicated that the soil test pits are in a common tortoise area. Many of the tortoises in the area are radio marked for study. Several of the sites have the centerline of specific routes into each of the soil test pits, which is flagged with red or orange flagging to minimize disturbance. The access routes are arranged so that all tortoise burrows are a minimum of 9 meters from the flagging. Since this activity is in an area with known tortoise activity, OCB would like to have a biologist present at the time of access of the backhoe, construction of the pit, and exit of the backhoe. The following stipulations are applicable:
  - a. Access to the sites must be along the flagged routes.
  - b. Please notify OCB at least a week before activities begin.
5. The archaeological preactivity survey for the six soil test pits indicated that no important cultural resources will be impacted by the proposed work.