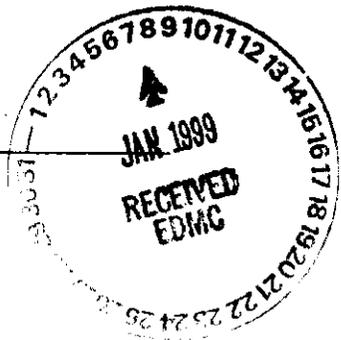


Meeting Minutes
Inter Agency Management Integration Team (IAMIT)
EPA Conference Room
712 Swift Blvd., Richland
August 25, 1998

Appvl: *Jackson King* Date: 9-22-98
for Peter M. Knollmeyer RL (A5-11)
IAMIT Representative

Appvl: *Douglas R. Sherwood* Date: 9/22/98
Douglas R. Sherwood, EPA (B5-01)
IAMIT Representative

Appvl: *Michael A. Wilson* Date: 9/22/98
Michael A. Wilson, Ecology (B5-18)
IAMIT Representative



Prepared by
Appvl: *Larry D. Arnold* Date: 9/22/98
Larry D. Arnold (H8-67)
Fluor Daniel Hanford, Inc.

Distribution

Andersan-Moore, M.	Ecology	B5-18	McLeod, R. G.	RL	H0-12
Arnold, L. D.	FDH	H8-67	McCoy, M. W.	PNNL	P7-79*
Blazek, M. L.	ODOE	OR*	Mecca, J. E.	RL	A5-11
Brown, W. R.	FDH	H8-67	Miera, F. R.	RL	A5-15
Christensen, R. F.	RL	K8-50	Morrison, R. D.	FDH	H8-67*
Corriveau, C.	BHI	H0-17*	Murphy, J.	RL	H0-12
Cusack, L.	Ecology	B5-18	Rasmussen, J. E.	RL	A5-15*
Dronen, V.	BHI	H0-09	Robertson, O.	RL	H0-12
Farabee, A.	RL	R3-79	Sanders, G. H.	RL	A5-15*
Goldberg, G.	RL	H0-12	Sherwood, D. R.	EPA	B5-01*
Hajner, R. S.	BHI	H0-11	Soper, W.	Ecology	B5-18
Hansen, C. A.	RL	S7-41*	Stanley, R.	Ecology	Lacey*
Hensley, J.	Ecology	B5-18	Wallace, J. J.	FDH	L4-88
Hopkins, A. M.	FDH	N1-26	Wilson, M. A.	Ecology	B5-18*
Kinzer, J. E.	RL	S7-50	Yerxa, J. K.	RL	A5-15*
Klos, D. B.	FDH	N2-51	EDMC		H6-08

* W/Attachments

**Inter Agency Management Integration Team
EPA Conference Room
712 Swift Blvd., Richland
August 25, 1998**

Fast Flux Test Facility (FFTF) Change Request M-81-97-01A

Al Farabee, U.S. Department of Energy (DOE), presented an update on the FFTF M-81-97-01A Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) change package (Attachment 1 and 2). Roger Stanley, State of Washington Department of Ecology (Ecology), presented the three key issues regarding Ecology's position:

1. DOE comments on funding FFTF Standby Activities from N.E.
2. What should be done with milestones currently in the package.
3. The State Attorney General is reviewing whether the DOE overstepped their authority by placing the FFTF on standby.

Ecology went on to say that issues ~~1~~ and 2 will be addressed in the Tri-Party Agreement Change Package. Ecology will address issue 3 via the Response to Public Comments Document.

Action: The 3 parties prefer that funding for FFTF be requested out of N.E. for FY 1999 and FY 2000, and proposed language needs to be drafted reflecting this.

Action: Regarding milestones currently in the Tri-Party Agreement Change Package the parties still must reach agreement on how to define "hold in abeyance".

Action: Roger Stanley, Ecology, will schedule 2 future dates to attempt to reach agreement on the FFTF change package.

Tank Waste Remediation System (TWRS) Privatization

Roger Stanley, Ecology, provided a proposed schedule and action matrix for coordination of privatization related TWRS negotiations with the Hanford Advisory Board and the public (Attachment 3).

Ecology proposed that a draft Agreement In Principle, prepared by Ecology and provided to the DOE, should guide the negotiation discussions.

Milestone M-40-07 Dispute

An extension was signed by the DOE and Ecology extending the ongoing dispute through October 28, 1998 at the IAMIT level (Attachment 4).

Fiscal Year (FY) 1999 IAMIT and Milestone Review Schedule

All three parties approved the proposed schedule for FY 1999 IAMIT and milestone review meetings (Attachment 5).

Single Shell Tank Corrective Action Dispute

Jackson Kinzer, DOE-RL, presented the TWRS programs plans to fund the Single-Shell Tank Actions in support of the Hanford Vadose Zone Program (Attachment 6). Mike Wilson, Ecology, expressed Ecology's interest in the process and how the Vadose Program will be integrated with TWRS and Environmental Restoration (ER) Programs, and how Ecology will be a part of the key decision process.

Rich Holten, DOE-RL presented the ER Programs position with regard to managing the Vadose Program with TWRS (Attachment 7). Proposed planning actions were presented for FY 1999 and FY 2000 regarding Resource Conservation and Recovery Act (RCRA) Corrective Action.

Mike Wilson, Ecology stated that this Tri-Party Agreement Dispute is not currently recognized by Ecology. Doug Sherwood, U. S. Environmental Protection Agency (EPA), expressed concern that items not covered under the Tri-Party Agreement would require full RCRA Compliance and are more costly and time consuming.

Milestone M-41-24 Dispute Discussion:

This dispute was elevated to the IAMIT stage on Thursday 8/20/98. Roger Stanley of Ecology pointed out that Ecology's position is that the Milestone M-41 series will be handled in the current consent order action. Ecology also made a request for the latest information regarding the M-41-24 dispute from the DOE as follows:

"During the past 4-6 weeks Ecology TWRS interim stabilization project staff have periodically requested that they be provided concise information documenting the basis for DOE's request that interim milestone M-41-24 be modified. Requested information has not been received to date. Because the dispute regarding this interim milestone has now been elevated to the Inter Agency Management Integration Team, Ecology is again requesting this information. It would be appreciated if this information could be provided at DOE's earliest opportunity."

Waste Information Data System/ Appendix C Update

Waste Information Data System/Appendix C was discussed. George Sanders, DOE-RL, presented DOE's position regarding future waste sites. DOE policy is that future sites added to Appendix C should be a 3 party issue, not a unilateral decision. The EPA, DOE and Ecology will meet by 8/27/98 to discuss future waste site discovery identification and the regulatory selection process. The DOE will take the lead to call the meeting.

**AGENDA
INTER AGENCY MANAGEMENT INTEGRATION TEAM (IAMIT)
MEETING**

**August 25, 1998
1:00 PM - 2:40 PM**

**EPA CONFERENCE ROOM
712 SWIFT BLVD., SUITE 5**

(CHAIRPERSON: P.M. Knollmeyer)

**1:00 pm FFTF – ECOLOGY RESPONSE AND DISCUSSION
(R. Stanley, O. Farabee)**

**1:20 pm TWRS PRIVATIZATION NEGOTIATION PATH FORWARD
(R. Stanley, L. Erickson)**

**1:50 pm MILESTONE M-40-07 DISPUTE EXTENSION
(P. Knollmeyer, M. Wilson)**

**2:00 pm SINGLE-SHELL TANK CORRECTIVE ACTION DISPUTE DISCUSSION
(R. Holten, R. Lober)**

**2:15 pm MILESTONE M-41-24 DISPUTE DISCUSSION
(D. Bryson)**

**2:25 pm WASTE INFORMATION DATA SYSTEM/APPENDIX C UPDATE
CHANGE REQUEST (R. Stanley, G. Goldberg, D. Faulk)**

2:40 pm ADJOURN

IMAGENDA.AUG.DOC

CHANGE NUMBER M-81-97-01A	FEDERAL FACILITY AGREEMENT AND CONSENT ORDER CHANGE CONTROL FORM <small>DO NOT USE BLUE INK TYPE OR PRINT USING BLACK INK.</small>	DATE DRAFT AUGUST 11, 1998
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Originator **O. A. Farabee, Director of FFTF Standby Project Office** Phone (509) 376-8089

Class of Change

I - Signatories II - Executive Manager III - Project Manager

Change Title

Agreements in regard to DOE's Fast Flux Test Facility (FFTF) for standby and transition activities, placement of Agreement transition milestones and targets in abeyance (M-81-00 series), and modification of Agreement milestone M-20-29A

Description/Justification of Change

In January of 1997, the Secretary of the U.S. Department of Energy (DOE), issued DOE's decision to maintain Hanford's Fast Flux Test Facility (FFTF) in a standby mode pending a decision, to be made by December 1998, on whether or not FFTF will be evaluated: for use by the nation's nuclear weapons complex; and/or for medical isotopes production. This evaluation would be through a National Environmental Policy Act (NEPA) Environmental Impact Statement (EIS) process and could lead to a decision to restart FFTF.

As a consequence of FFTF being placed in standby, facility transition work has been limited to activities that would not inhibit reactor restart, and Agreement work schedules are no longer achievable. In recognition of this condition, DOE, Ecology and EPA (hereafter the parties) proposed that Agreement M-81-00 series milestones and target dates be deleted (See the parties' Tentative Agreement on this subject dated October 14, 1997 and their associated (draft) Agreement change number M-81-97-01 dated October 3, 1997). This proposed Agreement modification was the subject of public review and comment during a review period running from November 24, 1997 to February 20, 1998.

During the course of this review and comment period the parties received over 8000 individual comments, either written or oral. Based on the review of comments received, the parties have agreed that rather than delete Agreement M-81-00 series milestones and target dates, they will be held in abeyance (temporary suspension) until the Secretary of Energy issues a final decision on whether or not to restart FFTF.

Should the Secretary of Energy decide that FFTF has no tritium production and/or isotope production role, and that FFTF transition and initiation of the surveillance and maintenance phase should occur, the parties agree:

- (1) That within ninety days (90) after such final Secretarial decision, DOE shall issue a draft Agreement change control request detailing a proposed set of FFTF transition milestones and associated targets. Such proposal shall be sufficiently detailed so as to effectively drive each phase of transition work, and shall also include proposed modifications to TPA interim milestone M-20-29A (Sodium Storage and Reaction Facilities closure planning). Following receipt of this draft change request, the parties agree to enter into the negotiation of a new FFTF transition milestone series.
- (2) Should these negotiations not result in Tentative Agreement within 120 days, Agreement M-81-00 series milestones shall be immediately and automatically reinstated (no longer held in abeyance), with the exception that the elapsed time since November 1995 (sodium drain halted) will be added to each M-81-00 series milestone and target completion date.

Should the Secretary of Energy decide to restart FFTF, based on an EIS Record of Decision, the parties agree:

- (1) That these M-81-00 series milestones and target dates will be deleted, and
- (2) That, at such time the Secretary of Energy decides that FFTF operation is no longer necessary and the decision is made to shut down the facility, the parties agree to negotiate an appropriate set of Agreement milestones and target dates within one hundred and twenty (120) days.

Agreement Appendix D, Table D is hereby modified as follows:

(Insert prior to milestone series)

The following Agreement M-81-00 series milestones and target dates (reproduced below) have been placed in abeyance in accordance with the terms of this M-81-97-01A change request.

Milestone	Description	Due Date
M-81-00	Complete FFTF Facility Transition and initiate the surveillance and maintenance phase. This major milestone will be achieved by completion of all activities necessary to achieve the end point criteria for placing the facility in a safe and stable surveillance and maintenance mode.	12/31/2001 (in abeyance)
M-81-00-T01	Complete Reactor Defueling. At the completion of defueling, there will be 236 non-fueled components in the reactor vessel, 113 fueled components in the interim decay storage and 258 fueled components in the fuel storage facility.	9/30/95 Completed 4/19/95
M-81-00-T02	Complete transfer of Irradiated Fuel to Dry Cask Storage. The Irradiated Fuel assemblies and pin containers will be transferred from the interim decay storage vessel and the fuel storage facility to the IEM cell for residual sodium removal, loaded into a core component container, transferred to the reactor service building cask loading station for placement into an interim storage cask for dry storage, and transferred to the interim storage area located in the northeast corner to the FFTF complex.	10/31/98 (in abeyance)
M-81-00-T03	Complete transfer of unirradiated fuel to the Plutonium Finishing Plant. Thirty two unirradiated fuel assemblies presently stored in the interim decay storage vessel will be transferred to the IEM cell for washing and drying, loaded into existing approved shipping containers, and transferred to an appropriate storage area in the Plutonium Finishing Plant.	10/31/98 (in abeyance)
M-81-00-T04	Complete transfer of special fuel to the Idaho National Engineering Laboratory for consolidated storage. Sodium-bonded irradiated metal and carbide fuel pins from assemblies cleaned and disassembled in the IEM Cell will be loaded into existing, approved shipping casks, and transported to the Idaho National Engineering Laboratory in Idaho Falls, Idaho, for consolidated storage. One unirradiated metal fuel assembly will also be dispositioned in a similar manner.	10/31/98 (in abeyance)

- M-81-00-T05 Complete auxiliary systems deactivation. 3/21/2001
(in abeyance)
- A major portion of the plant auxiliary systems are required to support hot sodium circulation prior to draining the sodium. As these systems, and the balance of plant systems, become available for shutdown, they will be deactivated to a safe, stable condition.
- M-81-01 Initiate sodium storage facility construction. 2/28/97
completed
10/09/95
- This milestone will be achieved when the construction contractor is issued the notice to proceed with construction by the contracting officer.
- M-81-02 Complete sodium storage facility startup. 7/31/98
completed
01/97
- This milestone will be achieved by completion of the sodium storage facility startup activities which include final testing of the mechanical and electrical systems and confirmation that the facility is ready to receive sodium from FFTF. Construction of the new facility closely coupled to the FFTF complex is required to support sodium drain operations. This new facility will be designed, constructed and operated in compliance with RCRA and WAC 173-303 storage requirements. The facility will provide storage capacity for the 260,000 gallons of FFTF metallic sodium coolant.
- M-81-02-T01 Submit final sodium disposition evaluation report/decision point. 6/30/98
(in abeyance)
- Under this target DOE will submit its final report following evaluation of the acceptable sodium product form for the TWRS Tank Sludge Pretreatment Process (i.e., caustic washing). This evaluation will be conducted in concert with TWRS TPA Milestone M-50-03 (due date March 31, 1998). This Hanford Site Radioactive (FFTF, Hallam, and Sodium reaction experiment) sodium evaluation will address other conversion options for disposal of the sodium if the product use for TWRS is not viable, regardless of which option is selected, a new sodium reaction facility will be constructed adjacent to the sodium storage facility to convert the bulk metallic sodium to the appropriate chemical form. This report will include a decision on the final disposition of the Hanford Site Radioactive Sodium (e.g., disposal or reuse). Appropriate milestones and target dates will be established for construction and operation of the sodium reaction facility based on the option selected.
- M-81-03 Submit FFTF End Point Criteria Document. 12/31/98
(in abeyance)
- A document identifying the end point criteria necessary to place the FFTF in a safe and stable configuration will be developed. This document will be provided to EPA and Ecology for review, and approval for the hazardous substances proposed to remain at the facility.

The following M-20-29A interim milestone due date is modified by this action. The parties agree to revisit and reestablish a due date as appropriate should FFTF transition resume:

M-20-29A	Submit sodium storage facility and sodium reaction facility closure plan or request for procedural closure as defined in section 6.3.3 of this Tri-Party Agreement to EPA and Ecology.	12/31/99 TBD
----------	--	----------------------------

A potential use for the sodium as feedstock in the TWRS Program has been identified and will be evaluated as discussed pursuant to M-81-02-T01. The sodium will be stored as product material in the sodium storage facility until the final disposition of the material is determined. FFTF is proceeding on the basis of providing RCRA and WAC 173-303 compliant storage for the sodium. The sodium reaction facility is included in the permit request, even though the sodium reaction facility availability and regulatory status will be determined by the 1998 evaluation/decision point. If the sodium use for the TWRS is confirmed, a request for procedural closure as defined in section 6.3.3 of the Tri-Party Agreement will be submitted for the sodium storage facility and sodium reaction facility units. If the sodium is determined to be a waste, a closure plan will be submitted for the two units.

Impact of Change

Approval of this change control request:

- (1) Places current Agreement M-81-00 series milestones and target dates in abeyance until the Secretary Of Energy issues a final decision on whether or not to restart FFTF.
- (2) And allows all activities required during the standby condition to proceed without jeopardizing any necessary future FFTF mission(s).

Affected Documents

The Hanford Federal Facility Agreement and Consent Order, as amended, and Hanford Site internal planning, work authorization, and budget documents (e.g., Project Management Plans, Baseline Change Control documents and Multi Year Work Plans).

Approvals

_____ Approved Disapproved
DOE Date

_____ Approved Disapproved
EPA Date

_____ Approved Disapproved
Ecology Date

Change Number M-92-98-01	Federal Facility Agreement and Consent Order Change Control Form <small>Do not use blue ink. Type or print using black ink.</small>	Date July 17, 1998
Originator O. A. Farabee, Director of FFTF Standby Project Office Phone 376-8089		
Class of Change <input type="checkbox"/> I - Signatories <input checked="" type="checkbox"/> II - Executive Manager <input type="checkbox"/> III - Project Manager		
Change Title Place M-92-09 and M-92-10 interim milestones for sodium facilities acquisition planning and Hanford Site Sodium Project Management Plan in abeyance. Delete reference to M-81-02-T01 Target from the M-92-10 milestone description.		
Description/Justification of Change <p>In January 1997, the Secretary of the U.S. Department of Energy made a decision to maintain Hanford's Fast Flux Test Facility (FFTF) in a standby mode pending a decision on whether or not the Facility will play a role in the nation's tritium production strategy, and/or medical isotopes production. As a consequence FFTF deactivation activities associated with sodium drain from the plant and fuel storage vessels were suspended, resulting in the M-92-09 and M-92-10 milestones being no longer valid. The majority (approximately 86%) of Hanford's radioactive sodium is associated with the FFTF and remains circulating throughout the plant. The remaining radioactive sodium, Hallam and Sodium Reactor Experiment (SRE), continues to be safely stored in the 200 West area of the Hanford Site.</p> <p>This Change Request places the Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) interim milestones on sodium facility acquisition planning (M-92-09) and developing a Sodium Project Management Plan (M-92-10) in abeyance until after a decision is made on the future of FFTF. At that time reliable decisions can be made for acquisition of sodium facilities and a comprehensive Sodium Project Management Plan can be developed. This change also deletes reference to the M-81-02-T01 Target from the M-92-10 milestone description.</p> <p>Should the Secretary of Energy's decision be that FFTF has no future mission and the FFTF is to resume transition to a shutdown status, the DOE Richland Operations Office (RL) shall issue within 120 days of the Secretarial decision a draft Agreement change control request for proposed dates to the subject interim milestones.</p> <p>Should the Secretary of Energy decide to restart the FFTF, based on an EIS Record of Decision, the existing M-92-09 and M-92-10 milestones will be deleted and RL shall issue within 120 days of the Secretarial decision a draft Agreement change control request for the Hallam and SRE sodium inventories.</p>		
Impact of Change Approval of this change request places the current Tri-Party Agreement M-92-09 and M-92-10 interim milestones in abeyance until after a decision is made to FFTF's future and deletes reference to the M-81-02-T01 target from the M-92-10 milestone description.		
Affected Documents The <u>Hanford Federal Facility Agreement and Consent Order</u> , as amended, and Hanford Site planning and budget documents (e.g., Project Management Plans and Multi Year Work Plans).		

Approvals		___ Approved	___ Disapproved
DOE	Date	___ Approved	___ Disapproved
EPA	Date	___ Approved	___ Disapproved
Ecology	Date	___ Approved	___ Disapproved

The following M-92 interim milestones are effected by this action:

Note: ~~Struck out~~ text indicates text to be deleted. The following Agreement interim milestones have been placed in abeyance in accordance with the terms of this M-92-98-01 change request.

Milestone	Description	Due Date
M-92-09	Complete acquisition of new facilities, modifications of existing facilities, and/or modification of planned facilities necessary for storage, treatment/processing, and disposal of Hanford site sodium.	TBE (by October 1998) (in abeyance)
M-92-10	Submit Hanford Site Sodium Project Management Plan (PMP) to Ecology pursuant to Agreement Action Plan section 11.5.	October 1998 (in abeyance)

The Hanford Site Sodium PMP will include all plan elements required by Agreement Action Plan section 11.5.

Should DOE determine (pursuant to the Hanford Site Sodium PMP and Agreement interim milestone M-50-03) that TWRS use of Hanford Site radioactive sodium (FFTF, Hallam & Sodium Reactor Experiment) is warranted, it shall specify in its TWRS, High Level Waste Vitrification Plant Request For Proposal(s) that use of Hanford site radioactive sodium is a requirement.

Should the Hanford Site PMP and findings pursuant to Agreement interim milestone M-50-03 determine that TWRS use of Hanford site radioactive sodium is not warranted DOE shall issue accompanying proposed Agreement change requests for alternate Hanford Site radioactive sodium disposition (e.g., necessary milestones and target dates associated with the construction of the sodium reaction facility). ~~See also Agreement target date M-81-02-T01.~~

DRAFT
(8/24/98)

**HAB and Public Involvement
Renegotiation of TWRS Elements of the
Tri-Party Agreement**

Outline

Element	HAB Action	Public Involvement	Timing
Draft Agreement in Principle	Committee review and sounding board	--	Sept 28 - Oct 16, 1998
Negotiators discuss major issues in each area with IIAB <ul style="list-style-type: none"> ➤ retrieval & treatment milestones ➤ related TWRS milestones: stabilization, characterization, closure ➤ enforceability & dispute provisions 	Committee review, Board sounding board	Focus sheet on key issues	November 1998
Negotiators discuss status of negotiations with HAB	Committee review, Board sounding board	Revised focus sheet on key issues	January - March 1999
Draft Agreement and Change Package	Committee review, Board advice	Focus sheet, including key issues identified by HAB; regional public meetings; 45-60 day comment period; both accessible hard copy and electronic texts; comment opportunities	April-May 1999
Response to comments	Committee review of response	Response available 15 days prior to signing	June 1999

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To <i>Roger Stanky</i>	From <i>Max Power</i>
Co.	Co.
Dept.	Phone #
Fax #	Fax #



August 25, 1998

EXTENSION TO DISPUTE RESOLUTION FOR HANFORD FEDERAL FACILITY AGREEMENT AND
CONSENT ORDER MILESTONE M-40-07

On April 9, 1997 the U.S. Department of Energy invoked the dispute resolution provisions of Tri-Party Agreement Article VIII concerning the State of Washington Department of Ecology assertions about completion of Interim Milestone M-40-07. The dispute was elevated to the Inter Agency Management Integration Team (IAMIT) level on April 28, 1998, and was extended through August 25, 1998 at the IAMIT level. The dispute is further extended through October 28, 1998 at the IAMIT level.

Peter M. Knollmeyer
Assistant Manager,
Facility Transition
U.S. Department of Energy
Richland Operations Office

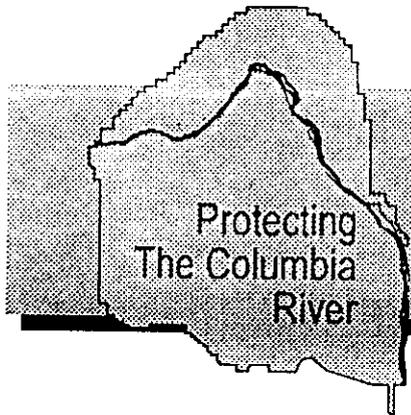
Michael A. Wilson
Manager, Nuclear Waste Program
State of Washington
Department of Ecology

- cc: L. D. Arnold, FDH
- S. L. Dahl, Ecology
- B. G. Erlandson, LMHC
- C. C. Haass, DOE
- C. L. Sohn, DOE
- A. B. Stone, Ecology
- A. M. Umek, FDH
- G. H. Sanders, DOE
- M. L. Blazek, OOE
- D. Powaukee, Nez Perce
- R. Jim, YIN
- B. Burke, CTUIR
- Administrative Record

Fiscal Year 1999 Tri-Party Agreement Milestone Review and IAMIT Meeting Schedule

The following FY 1999 TPA meeting schedule has been reviewed and approved by the DOE, EPA and Ecology IAMIT representatives. The IAMIT and TPA Milestone Reviews are scheduled for the same day.

<u>Date</u>	<u>Milestones</u>	<u>IAMIT Chairperson</u>
October 27, 1998 (Tuesday)	TWRS Program Review: M-40, 41, 43, 44, 45, 46 M-50, 51 M-60, 61, 90	M. A. Wilson
November 17, 1998 (Tuesday)	M-13, 15, 16, 24, 93 M-82, 89, 92	P. M. Knollmeyer
December 15, 1998 (Tuesday)	M-19, 26-01, 32, 34 M-20 M-91	D. R. Sherwood
January 26, 1999 (Tuesday)	TWRS Program Review: M-40, 41, 43, 44, 45, 46 M-50, 51 M-60, 61, 90	M. A. Wilson
February 23, 1999 (Tuesday)	M-13, 15, 16, 24, 93 M-82, 89, 92	P. M. Knollmeyer
March 23, 1999 (Tuesday)	M-19, 26-01, 26-05, 32, 34, M-20 M-91	D. R. Sherwood
April 27, 1999 (Tuesday)	TWRS Program Review: M-40, 41, 43, 44, 45, 46 M-50, 51 M-60, 61, 90	M. A. Wilson
May 25, 1999 (Tuesday)	M-13, 15, 16, 24, 93 M-82, 89, 92	P. M. Knollmeyer
June 22, 1999 (Tuesday)	M-19, 26-01, 26-05, 32, 34, M-20 M-91	D. R. Sherwood
July 27, 1999 (Tuesday)	TWRS Program Review: M-40, 41, 43, 44, 45, 46 M-50, 51 M-60, 61, 90	M. A. Wilson
August 24, 1999 (Tuesday)	M-13, 15, 16, 24, 93 M-82, 89, 92	P. M. Knollmeyer
September 28, 1999 (Tuesday)	M-19, 26-01, 32, 34, M-20 M-91	D. R. Sherwood



Hanford Site

Groundwater/Vadose Zone Integration Project

TWRS VADOSE ZONE IAMIT MEETING

Date: August 25, 1998

GW/VZ INTEGRATION PROJECT PERSPECTIVE

- View 200 Area from holistic point of view
 - ER + TWRS sites together when necessary
 - Analogous sites
 - 200 East vs 200 West
- Need to show near term field progress
- Build on successes in 100 Area Projects; e.g. combined RCRA/CERCLA/NEPA approach

GW/VZ INTEGRATION PROJECT PLANNING STRATEGY

- April Project Plan proposed following:
 - Summer 98: Gap analysis, S&T Roadmaps, Consolidated Multi Year Work Plans (minimal change to budget allocations)
 - Fall 98: Prepare Long Range Plan
 - Spring 99: Take lead in preparing integrated FY 2000 GW/VZ budget proposal
- Shift in strategy
 - Stakeholders and Undersecretary expect visible near term progress beyond planning
 - ✓ – More active role in FY 98⁹ Multi Year Work Plans

GW/VZ INTEGRATION PROJECT POSITION ON FY 99 BUDGET/WORK PLANS

- No significant changes to currently funded work scope
- Show visible progress in understanding of vadose zone
- Attempt limited integration of TWRS and ER sites
- Continue with Integration Project
 - Finish S&T Roadmaps
 - Prepare Long Range Plan
 - Begin Peer Review process
- Implement selective S&T initiatives
- Initiate high level uncertainty analyses

GW/VZ INTEGRATION PROJECT POSITION FY 99 BUDGET

- \$31M of workscope above line; includes \$4.8 M specifically for TWRS VZ
- Up to \$10M additional funding needed for program
 - \$5M needs to be identified ASAP for 2nd Tank Farm characterization, S&T roadmaps, Peer Reviews, and Initiation of uncertainty analyses
 - Approximately another \$5M needed sometime in first quarter to integrate EM field characterization with two tank farms and implement key S&T initiatives

GW/VZ INTEGRATION PROJECT PROPOSED PATH FORWARD

- Tri-Parties (technical staff) agree to GW/VZ prioritized workscope at cost account level
- Obtain stakeholder input and validate/change work scope as seen necessary
- DOE commits to FY 99 funding; phased approach if needed
- Report back to IAMIT next month
- Complete regulatory actions; e.g. negotiate milestones or work on other documents

Groundwater/Vadose Activities
FY 1999 Funding

ATTACHMENT 1

Program Office	PBS Number	UAS Name	IPL 1999	CUM
EM40	ER08	Min Safe - Groundwater Management CERCLA/RCRA Monitoring & Reporting	10,211	10,211
EM30		Surface Surveillance - Columbia River Monitoring	385	10,596
Subtotal: Min-Safe			10,596	
EM40	ER08	Groundwater/Vadose Zone Integration	2,000	12,596
Subtotal: Essential Services			12,596	
EM40	ER08	100 HR Groundwater Remedial Action	2,385	14,981
EM40	ER08	100 KR Groundwater Remedial Action	1,201	16,182
EM40	ER08	100 NR Groundwater Remedial Action	711	16,893
Subtotal: Urgent Risks			16,893	
EM40	ER08	200 ZP Groundwater Remedial Action	1,615	18,508
EM40	ER08	200 UP Groundwater Remedial Action	256	18,764
EM40	ER08	Groundwater Management Well Maintenance & Decommissioning	883	19,647
EM40	ER02	200 Assess - 200-CW-1 Gable Mtn Pond	832	20,479
EM40	ER02	200 Assess - 200-CW-5 U-Pond/Z Ditches	251	20,730
EM40	ER02	200 Assess - 200-CS-1 Chemical Sewer Group	281	21,011
EM40	ER02	200 Assess - 200-PW-2 Uranium Rich Process Waste	42	21,053
EM40	ER02	200 NPL Common - Prototype Barrier	260	21,313
EM40	ER02	200 NPL Common Assessment/Remedial Action	281	21,594
EM30	TW03	TWRS VZ - Characterization Plan (\$300K in FY 98)	200	21,794
EM30	TW03	TWRS VZ - Initial Vadose Zone Characterization, 1 tank farm	2,000	23,794
EM30	TW03	TWRS VZ - Sampling & Decommissioning of SX Borehole	500	24,294
EM30	TW03	TWRS VZ - Corrective Measures	650	24,944
EM30	TW03	TWRS VZ - Retrieval/Closure Alternatives Model	100	25,044
EM30	TW03	TWRS VZ - Geophysical Logging and Analysis	1,350	26,394
EM30	TW03	TWRS - Performance Retrieval Report	330	26,724
EM30		ILAW - Characterization and Performance Assessment	2,600	28,994
EM30		HTI - Vadose Characterization/Cone Penetrometer	1,000	29,994
Subtotal: Compliance			30,324	
EM40	ER08	Groundwater - Vadose Monitoring	379	30,703
EM40	ER08	Groundwater - Modeling	969	31,672
Subtotal: Baseline Funding			31,672	
Additional Requirements				
EM40	ER08	GWVZ - Peer Reviews	725	32,397
EM40	ER08	GWVZ - Science & Technology Roadmaps	800	33,197
EM40	ER08	GWVZ - Dev. System Assess. Capability	1,000	34,197
EM30	TW03	TWRS VZ - Initial Vadose Zone Characterization, additional tank farm	2,000	36,197
Subtotal: Increment A			4,525	
		200 Area Characterization	1,500	37,697
		Large Scale Field Test	2,000	39,697
		Conceptual Model Verification	1,000	40,697
EM40	ER08	GWVZ - Peer Reviews, Data Control, S&T Roadmapping	500	41,197
Subtotal: Increment B			5,000	
		200 Area Characterization	2,000	43,197
EM40	ER08	GWVZ - Dev. System Assess. Capability	1,000	44,197
		S&T Roadmap Implementation	5,000	49,197
Subtotal: Increment C			8,000	
Total: Additional Requirements			27,525	
Total Funding Requirements			49,197	49,197