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START

October 15, 1990

Meeting Minutes Transmittal/Approval
Unit Managers Meeting: 200-BP-1 Operable Unit
450 Hills Street, Rm 47
August 16, 1990

From/
Appvl.: _____ Date: 10-16-90
Julie K. Erickson, 200-BP-1 Unit Manager, DOE-RL (A6-95)

Appvl.: _____ Date: 10/16/90
Douglas R. Sherwood, 200-BP-1 Unit Manager, EPA (B5-01)

Appvl.: _____ Date 10/16/90
Larry Goldstein, 200-BP-1 Unit Manager, WA Department of Ecology

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Meeting Minutes are attached. Minutes are comprised of the following:

- Attachment #1 - Meeting Summary/Summary of Commitments and Agreements
- Attachment #2 - Agenda for the Meeting
- Attachment #3 - Attendance List
- Attachment #4 - Commitments/Agreements Status List
- Attachment #5 - Groundwater Well Drilling Status
- Attachment #6 - Leak Detection Engineering Study
- Attachment #7 - 200-BP-1 Final Procedure Revision Schedule (8/14/90)
- Attachment #8 - Schematic of the One-Direction Line Stopping Method of Hot Tapping (IPSCO INC)

Prepared by: _____ Date: _____
SWEC Support Services

Concurrence by: _____ Date: _____
WHC RI Coordinator

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200-BP-1 Operable Unit Managers Meeting
450 Hills Street, Room 47
August 16, 1990

Distribution:

Donna Lacombe, PRC
Ward Staubitz, USGS
Doug Fassett, SWEC (A4-35)
Jack Waite, WHC (B2-35)
Tom Wintczak, WHC (B2-15)
Mel Adams, WHC (H4-55)
Wayne Johnson, WHC (H4-55)
Rich Carlson, WHC (H4-55)
Brian Sprouse, WHC (H4-22)
Bill Price, WHC (SO-03)
Ralph O. Patt,
OR Water Resources Dept.
Doug Dunster, Golder Assoc.
Mike Thompson, DOE (A6-95)
Diane Clark, DOE (A5-55)

cc. Ronald D. Izatt (A6-95)
Director, DOE-RL, ERD
Ronald E. Gerton (A6-80)
Director, DOE-RL, WMD
Roger D. Freeberg (A6-95)
Chief, Rstr. Br., DOE-RL/ERD
Steven H. Wisness (A6-95)
Tri-Party Agreement Proj. Mgr
Richard D. Wojtasek (B2-15)
Prgm. Mgr. WHC
Mary Harmon, DOE-HQ (EM-442)

ADMINISTRATIVE RECORD: 200-BP-1; Care of Susan Wray, WHC (H4-22)

Please inform Doug Fassett (SWEC) of deletions or additions to the distribution list.

Attachment #1

Meeting Summary and Summary of Commitments and Agreements
200-BP-1 Operable Unit Managers Meeting
450 Hills Street, Room 47
August 16, 1990

Meeting Summary/Summary of Commitments and Agreements

I. EPA expressed concern that wet soils may prevent helium migration from pipe leaks. WHC agreed to consider this potential problem. For soil samples, auguring is expected to be the best method.

2. Groundwater well drilling status was discussed. WHC will assume the responsibility for site management and site safety. This decision was based on health and safety violations in an audit of Kaiser Engineering Hanford (KEH). KEH has not agreed with this decision. Drilling can be resumed within one week once an agreement is reached.

3. WHC will put together a plan by next month for near surface soil sampling and a surface cleanup schedule. WHC agreed with Ecology's suggestion to discuss surface clean-up with Wayne Johnson (WHC).

4. Safety issues are delaying Phase IA well installation. If there is a need for Phase IB wells, the RI milestone may be missed.

Action Item #BP1.39: **Deep boreholes through the cribs will be started in November. Leach tests will be done soon after. Describe the leach test methodology for 200-BP-1 at the next UMM meeting. Action: Rich Carlson**

5. *Discussions were held on the practice of leaving newly installed wells open until sufficient samples had been taken to determine if an aquifer test could be performed. WHC and DOE suggested wells could be left open up to 9 months if time was allotted for two sampling and analysis cycles prior to final completion (if contaminated) or longer if an aquifer test was to be performed. Due to the limited number of suitable locations for aquifer testing and the lack of available data, every candidate well requires thorough investigation prior to completion until the aquifer test requirements have been met. Wells clearly in contaminated zones will be completed without delay. EPA and Ecology agree that candidate aquifer test wells nay be left open to determine suitability for aquifer testing.*

Attachment #2

200-BP-1 Unit Managers Meeting Agenda
450 Hills Street, Room 47
August 16, 1990

Introduction:

Status:

- Action Items
- Work Plan
- Remedial Investigation
  - o Groundwater Well Construction
  - o Groundwater Well Remediation
  - o Leak Detection Engineering Study
  - o Near Surface Soil Sampling Plan
- Schedule

Issues:

Other Topics:

Agreements and Commitments

Attachment #3

Attendance List
200-BP-1 Operable Unit Managers Meeting
August 16, 1990

NAME	ORG.	O.U. Role	PHONE
Cline, Chuck	Ecology	Geohydrology.	206-438-7556
Goldstein, Larry	Ecology	Unit Manager	206-438-7018
Osweiler, Mike	Ecology	CERCLA Unit	206 438-2018
Thompson, K. Michael	DOE-RL	Acting for J. Erickson, OU Mgr.	509-376-6421
Drost, Brian	USGS	EPA Support	206-593-6510
Staubitz, Ward	USGS	EPA Support	206-593-6510
Lacombe, Donna	PRC	EPA Support	206-624-2692
Davis, Kathy	SWEC	GSSC	509-376-0412
Fassett, Doug	SWEC	GSSC	509-376-3136
Buckmaster, Mark	WHC	Env. Eng.	509-376-1792
Patterson, Jim	WHC	ER Programs	509-376-0568
Gardner, Martin	WHC	Env. Field Services	509-376-5527
Carlson, Rich	EPA	RI Coordinator	509-376-9529
Sherwood, Doug	EPA	Unit Manager	509-376-9027

Attachment #4

Commitments/Agreements Status List
200-BP-1 Operable Unit
August 16, 1990

Item No.	Action	Status
2BP1.35:	The question of unsealed wells will be incorporated into the joint (EPA/Ecology) letter concerning well remediation, rehabilitation. Action: Doug Sherwood	Open According to Chuck Cline the package should be available soon. (7/18/90) All parties agreed that wells in areas where no contamination is found may be temporarily cased and capped. (8/16/90)
2BP1.37:	Surface/near-surface detection techniques for pipes and leak areas and an engineering study by Bovay will be discussed at the next Unit Managers Meeting. Action: Rich Carlson. (7/18/90, BP1-UMM)	Open (7/18/90)
2BP1.38:	Determine the USGS position on the feasibility of performing geophysical logging through cased wells. Action: Ward Staubitz for EPA (7/18/90, BP1.UMM)	Closed The USGS believes quantitative logging is not possible for conditions at Hanford. Qualitative logging using gamma, neutron gamma, and gamma density is applicable. WHC agreed to run the logs. USGS is available to answer questions. (8/16/90)
2BP1.39	Deep boreholes through the cribs will be completed in November. Leach tests will be done soon after that. Describe the leach test methodology for 200-BP-1 at the next UMM meeting. Action: Rich Carlson (8/16/90, BP1.UMM)	Open (8/16/90)

GROUNDWATER WELL DRILLING STATUS

GENERAL

- A new letter of instruction was submitted jointly by WHC Projects and Environmental Engineering, Technology, and Permitting to KEH requiring the use of EII's, following the direction of the field team leader, and that WHC will provide site safety. I understand that KEH agrees to all but site safety.

HEALTH AND SAFETY

- Kaiser suspended all drilling activities on May 24 due to health & safety issues identified during a DOE-RL audit.
- Responsible charge for site management and safety remains an issue between WHC and KEH.
- WHC has interpreted DOE Order 5480.10A, Part J as having site management and safety responsibilities. KEH does not concur with this interpretation and desires to prepare site specific safety plans and implement site safety duties at the drill sites.
- A DOE Tiger Team finding identifies various aspects of this issue.
- The issue is being worked by WHC and KEH upper level management at this time.
- Once resolution is reached, drilling can be reinitiated within one week.

ANALYTICAL LABORATORY READINESS

- Numerous meetings have occurred over the past several months between OSM, EQA, EEG, and PNL to obtain the needed analytical services for 200-BP-1. This has been a cumbersome process as WHC has had to wait for the preparation of a QAPP, technical procedures, and a Technical Program Plan that is acceptable to meet the data quality objectives of 200-BP-1.
- The PNL 325 laboratory is resubmitting technical procedures per the attached schedule. Numerous errors were identified in the procedures by WHC reviewers.
- Assuming the resubmitted procedures are acceptable the lab readiness review could be completed by the end of August supporting sample reciept the beginning of September.
- The laboratory is currently incorporating WHC comments on the recently prepared TPP and project specific QAPP.

LEAK DETECTION ENGINEERING STUDY

- Work Plan Task 3 calls for the investigation of the underground distribution system for leaks
- The work plan calls for pressure testing with a tracer gas (to be identified) to locate pipe leaks.
- The work plan calls for use of soil gas probes installed at 10 ft. intervals for gas collection.
- The work plan also identifies potential difficulties with installing soil probes and that testing would need to be done. If soil probes can't be used, hollow-stem augering methods could be used.
- WHC determined that an engineering study should be performed to evaluate leak detection and pipe isolation methods.
- The ES evaluated alternatives based on 5 weighted criteria including environmental protection, worker safety/ALARA, ease of use, cost, and availability.
- The ES identifed two pipe isolation methods. The "hot tap" method is the preferred alternative.
- Five leak detection alternatives were evaluated including liquid dye, camera study, nondestructive, air pressure, and tracer gas. Tracer gas was the preferred alternative which confirms the work plan requirement. Helium is the tracer gas of choice.
- However, the ES recommends the use of a portable helium detector for detection on the soil surface versus use of soil probes which must be installed in the ground.
- Helium can be detected at ground level, has a high diffusion rate through Hanford soils, and is relatively inexpensive.

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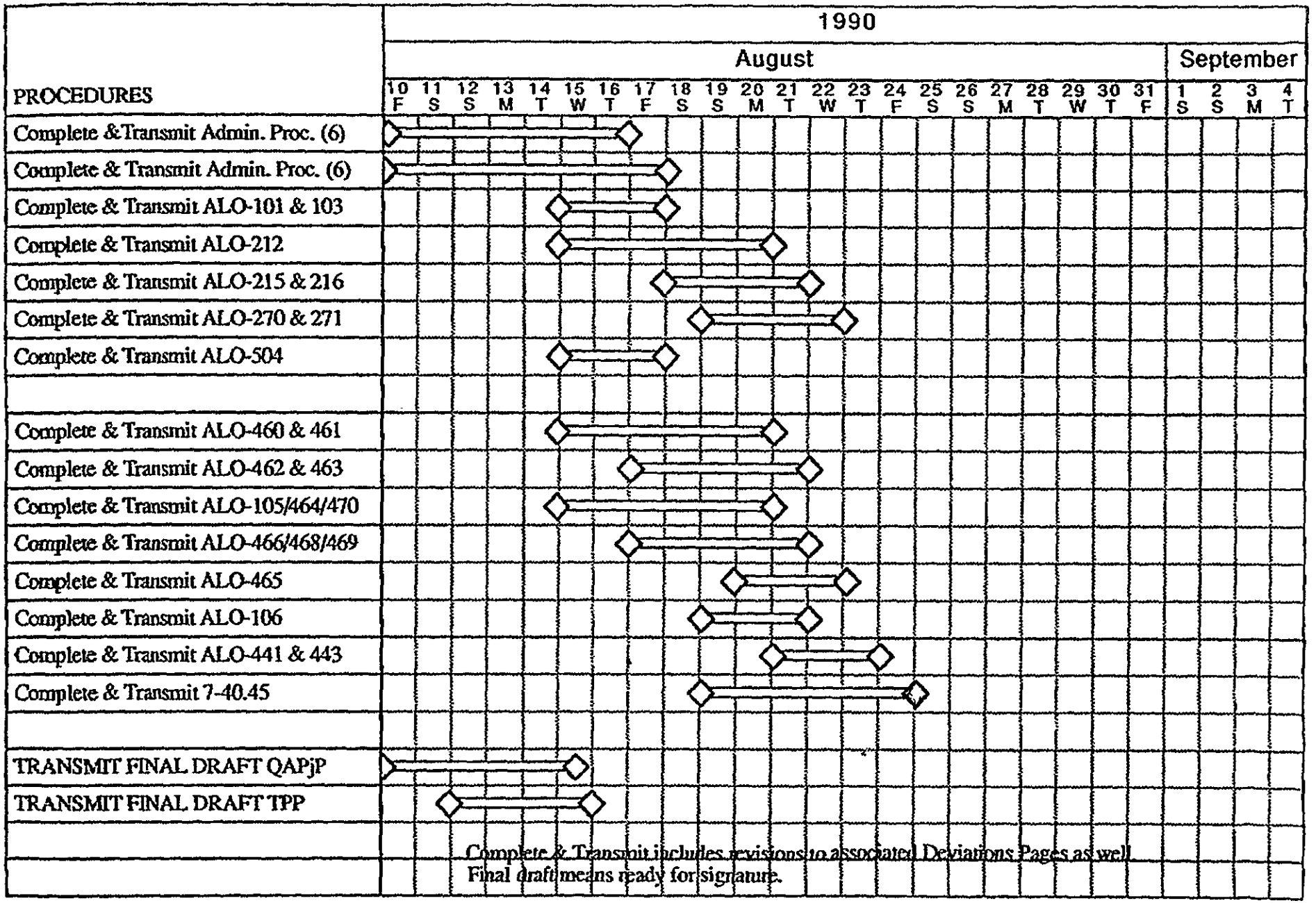
200-BP-1 FINAL PROCEDURE REVISION SCHEDULE (8/14/90)



Tue, Aug 14, 1990

ATTACHMENT #7

ALO 08:30 08/15/90

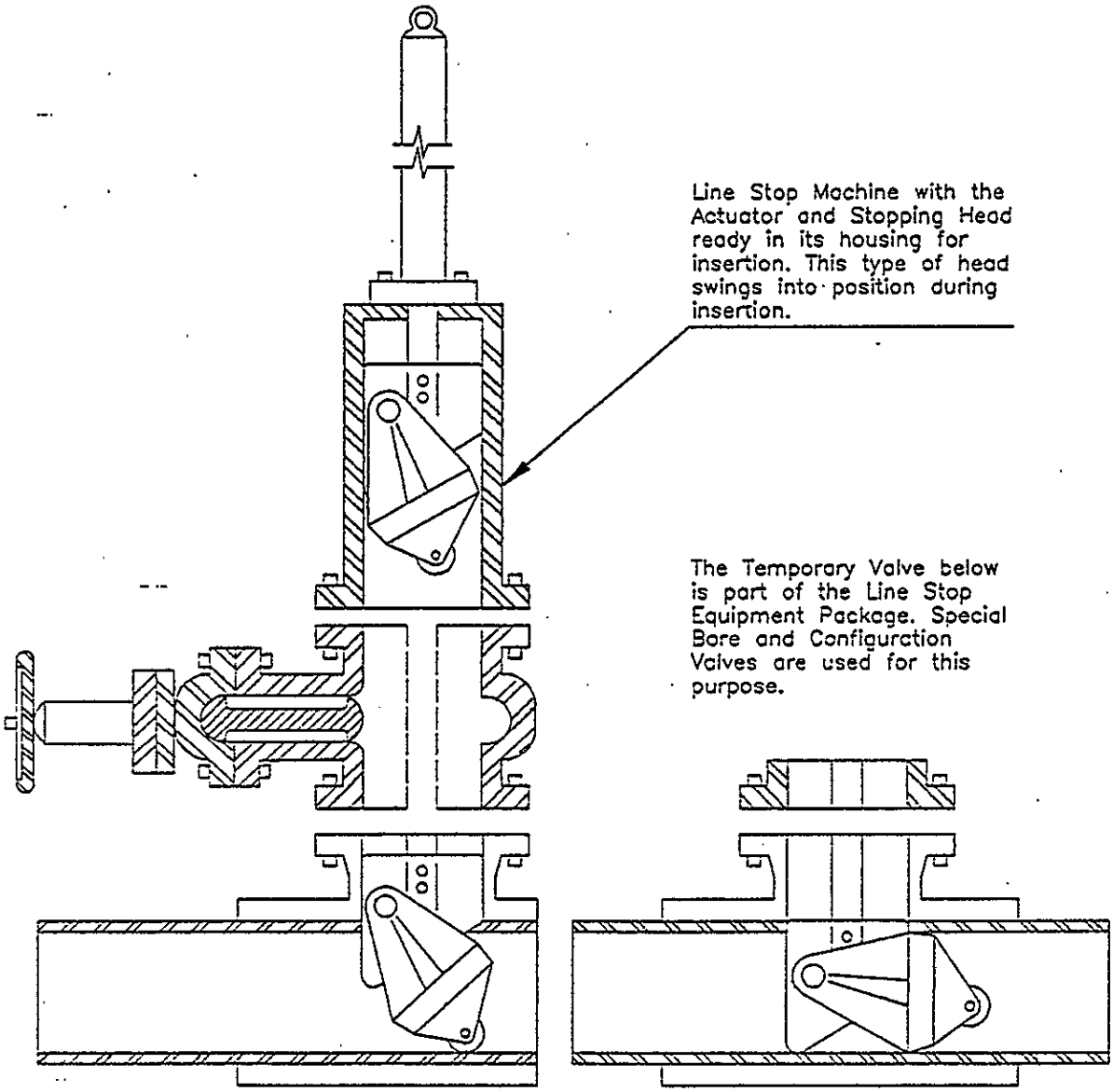


FIGURE 3. Schematic of the One—Direction Line Stopping Method of Hot Tapping (IPSCO INC.).