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Final

Meeting Minutes Transmittal/Approval
Unit Manager's Meeting: 200-BP-1 Operable Unit
450 Hills Street, Richland, WA
June 25, 1992

APPROVAL: Allan C Harris Date 7-30-92
Allan Harris, 200-BP-1 Unit Manager, RL (A5-19)

APPROVAL: Paul A Beaver Date 7-30-92
Paul Beaver, 200-BP-1 Unit Manager, EPA (B5-01)

APPROVAL: [signature] For Dib Goswami Date 7-30-92
Dib Goswami, 200-BP-1 Unit Manager, WA Department of Ecology

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 - Status of Action Items
Attachment #5 - Format of Sampling Data
Attachment #6 - Task 3 Activities
Attachment #7 - 200-BP-1 Well Remediation Activities
Attachment #8 - Sorption/Column Leach Testing
Attachment #9 - Summary Table of 200-BP-1 Task 2 & 4 Drilling
Attachment #10 - Moisture Content vs. Depth
Attachment #11 - Sample Validation Summary
Attachment #12 - 200-BP-1 Cone Penetrometer Locations
Attachment #13 - 200-BP-1 Operable Unit Schedule

AUG 1992 RECEIVED EDMC

Prepared by: Suzanne Clarke Date: 7/30/92
Suzanne Clarke, Kay Kimmel, GSSC (A4-35)

Concurrence by: [signature] Date: 7/30/92
Mark Buckmaster, WHC RI Coordinator (H4-55)

9 2 1 2 6 5 4 1 3 5 6

Attachment #1

Meeting Summary and Summary of Commitments and Agreements
Unit Manager's Meeting: 200-BP-1 Operable Unit
June 25, 1992

1. **SIGNING OF THE May 200-BP-1 MEETING MINUTES:**

   Minutes from the May meeting were reviewed and approved with no changes.

2. **ACTION ITEM UPDATE: (See Attachment 4 for status)**

   2BP.53 1/2 Closed. Format presented 06/25/92. Groundwater data will be presented at the July UMM. See Attachment #5.

   2BP.54 Closed. Presented at June UMM. See Attachment #6.

3. **NEW ACTION ITEMS (INITIATED June 25, 1992):**

   No new action items initiated.

4. **STATUS OF REMEDIAL INVESTIGATION TASKS:**

   - Task 3, Surface/Near Surface Soil Sample/Analysis: Radiological Data has not yet been validated. See Attachment #6.
   - Well Remediation Activities: See Attachment #7.
   - Column Leach/Sorption Testing: See Attachment #8.
   - Crib Drilling: Cleanup activities are slow due to the heat. See Summary Table of Task 2 & 4 Drilling (Attachment #9) and Moisture Content vs. Depth (Attachment #10).
   - Sample Validation Summary: See Attachment #11.
   - Cone Penetrometer-Integrated Demonstration: See Attachment #12. Suggested an interim meeting in a couple weeks.

5. **SCHEDULE:** See Attachment #13.

9 2 1 2 6 3 4 1 3 5 7

Attachment #2

200-BP-1 UNIT MANAGERS MEETING AGENDA
JUNE 25, 1992
12:30-2:00 PM
450 HILLS ST., ROOM 47

Introduction:

Status:

Action Items:

- o Data Summary Format and Groundwater Data
- o Task 3 Summary Tables

Remedial Investigation:

- o Well Remediation
- o Column Leach/Sorption Testing
- o Chemical Data Status

Issues:

- o Cone Penetrometer

Other Topics:

- o Schedule

Agreements and Commitments:

9 2 1 2 6 5 4 1 3 5 8

Attachment #3

200-BP-1 Operable Unit Manager's Meeting
Official Attendance Record
June 25, 1992

Please print clearly and use black ink

PRINTED NAME	SIGNATURE	ORGANIZATION	O.U. ROLE	TELEPHONE
Suzanne Clarke	Suzanne Clarke	SWEC	GSSC to DOE/RL	509-372-0630
Andree De Angeles	Andree DeAngeles	PRC	EPA Support	206-624-2692
Nancy Uziemblo	Nancy Uziemblo	ECOLOGY	Unit Manager 200 AAMS	509 546-2999
LISA CHETNIK TREICHEL	Lisa Chetnik Treichel	DOE-HQ/EM 442	Observer Program Mgr	301-903-8177
KAY KIMMEL	Kay Kimmel	SWEC	GSSC	509-372-0610
Ward Staubitz	[illegible]	USGS	EPA Support	206-593-6510
Dib Goswami	[illegible]	Ecology	Unit Mgr	509-546-4301
Paul Beaver	Paul Beaver	EPA	Unit Mgr	376-8665
RICH MULLEN	Rich Mullen	PARAMETRIX	Ecology Support	206-455-2550
Jon Sprecher	Jon Sprecher	Brown & Caldwell	Ecology Support	(503) 244-7005
CHUCK CLINE	Charles S. Cline	Ecology	Geohyd. Support	(206) 438-7556
Brian Drost	Brian Drost	USGS	EPA Support	206-593-6510
Allan C. Harris	Allan C. Harris	DOE	O.U. Manager	509-376-4339
H A PARKER	H A Parker	WHC	ESCORT	
Ken HOFFMANN	Ken Hoffmann	WHC	Proj. Geologist	509-376-3725
Hal Downey	H. D. Downey	WHC	ER Program office	509-376-5539

Attachment #4

ACTION ITEMS

Item Number	Action	Status
2BP.53	Provide format for sampling data and present first 3 quarters of groundwater data. Action: Buckmaster	Closed: Format of sampling data presented at the June UMM. Open: Groundwater data will be presented at the July UMM.
2BP.54	Provide summary tables of Task 3 data. Action: Buckmaster	Closed: Presented at June UMM.

9 2 1 2 5 5 4 1 3 6 0

INORGANIC ANALYSIS, SOIL MATRIX, (mg/Kg) 18-Jun-92

Project	200-BP-1																		
Case	SDG	9110L121		9110L144		9110L189		9110L868		9110L909				9110L994				9111L316	
Sample Number		B015K1		B015K5		B015K7		B015G3		B015G5		B015G7		B015H3		B015H5		B015K9	
Location		216-B-49A		216-B-50C		216-B-49A		216-B-49A		216-B-50B		216-B-50B		216-B-50B		216-B-49A		216-B-49A	
		162.0-164.5		28.0-30.5		190.5-193.0		104.5-107.0		3.5-6.0		12.0-16.0		28.0-30.5		135.0-137.5		217.0-219.5	
Remarks										DUPLICATE		DUPLICATE		DUPLICATE		DUPLICATE			
Sample Date		10/22/91		10/23/91		10/25/91		09/30/91		10/03/91		10/03/91		10/09/91		10/09/91		11/04/91	
Inorganic Analytes	CRQL	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Aluminum	40	2610	J	2680		4660		2920	J	4360		4000		4470	J	3320	J	2950	
Antimony	12	4.06	UJ	3.77	U	4.13	UJ	3.95	U	4.03	UJ	3.93	UJ	4.09	U	4.14	U	4.10	U
Arsenic	2	0.61	J	1.00	B	1.80	B	1.70	B	1.70	B	1.80	B	1.70	B	1.50	J	0.65	B
Barium	40	40.80		45.60		47.00		35.90	B	70.50		62.50		63.90		63.50		52.80	
Beryllium	1	0.30	B	0.24	B	0.50	B	0.28	B	0.30	B	0.30	B	0.27	B	0.35	B	0.23	B
Cadmium	1	0.61	U	0.56	U	0.62	UJ	0.59	U	0.60	U	0.59	U	0.88	J	0.41	B	0.62	U
Calcium	1000	3640	J	5440		3730		5090	J	4180		7280		6200	J	5570	J	3640	J
Chromium	2	4.00		3.90		10.60		4.70		5.60		6.80		8.40		4.60		12.40	J
Cobalt	10	3.90	B	4.10	B	7.10	B	5.10	B	7.70	B	6.40	B	7.80	B	5.50	B	5.00	B
Copper	5	8.50		8.80		11.70		9.00		11.30		11.50		12.40	J	11.10		11.80	
Iron	20	6500	J	7450		12100		7340	J	11400		11700		13300	J	7680		8110	
Lead	0.6	2.60	J	2.20		5.10	J	2.60		4.60		3.50		4.10	J	3.90	J	1.40	J
Magnesium	1000	1880	J	2000		3240		2170	J	3010		3210		5300	J	2010	J	2120	
Manganese	3	129	J	162		210		141	J	259		240		231	J	158	J	155	
Mercury	0.04	.05	UJ	0.08	B	0.08	J	0.10	U	0.10	UJ	0.10	UJ	0.20		0.05	UJ	0.07	U
Nickel	8	4.50	B	5.20	B	11.20		5.90	B	9.00		8.40		26.70	J	6.10	B	11.00	
Potassium	1000	733	B	474	B	1220		815	B	1450		1020		713	B	705	B	677	U
Selenium	1	.40	UJ	0.39	UJ	0.42	UJ	0.40	U	0.41	U	0.38	U	0.41	U	0.39	U	0.40	UJ
Silver	2	2.03	UJ	1.88	U	2.07	U	1.98	U	2.01	UJ	1.97	UJ	2.04	UJ	2.07	U	2.05	U
Sodium	1000	1370		938	B	2750		2410	J	94	B	200	B	1080		1440	J	699	B
Thallium	2	.40	U	0.39	U	0.42	U	0.40	J	0.41	U	0.38	U	0.41	UJ	0.39	UJ	0.40	UJ
Vanadium	10	11.50		9.10	B	21.50		11.10		16.50		16.10		20.50		11.30		16.10	
Zinc	4	19.60		16.00		29.70		18.40		26.60		23.80		26.40		16.60		27.70	J
Cyanide	2	1.03	UJ	1.03	UJ	1.1	UJ	1	U	1	UJ	1	UJ	1	UJ	1.5	J	1	UJ
Bismuth	40	40.6	U	28.6	B	31.3		40.30	U	40.30	U	39.30	U	23.30	B	31	R	30.80	U
% Solids	0.1	96.8		96.9		93.5		97.9		97.1		95.9		97.8		95.6		96.5	
Chloride by IC	4							20.4	J	10.30	J	11.10	J					23.60	

PESTICIDE/PCB ORGANIC ANALYSIS, SOIL MATRIX, (ug/Kg) 18-Jun-92

Project	200-BP-1																		
Case	SDG	9110L121		9110L144		9110L189		9110L868		9110L909				9110L994				9111L316	
Sample Number		B015K1		B015K5		B015K7		B015G3		B015G5		B015G7		B015H3		B015H5		B015K9	
Location		216-B-49A		216-B-50C		216-B-49A		216-B-49A		216-B-50B		216-B-50B		216-B-50B		216-B-49A		216-B-49A	
		162.0-164.5		28.0-30.5		190.5-193.0		104.5-107.0		3.5-6.0		12.0-16.0		28.0-30.5		135.0-137.5		217.0-219.5	
Remarks														SPLIT					
Sample Date		10/22/91		10/23/91		10/25/91		09/30/91		10/03/91		10/03/91		10/09/91		10/09/91		11/04/91	
Extract Date		10/30/01		10/30/91		10/30/91		10/11/91		10/11/91		10/11/91		10/21/91		10/21/91		11/11/91	
Analysis Date		12/01/91		12/01/91		12/01/91		11/02/91		11/02/91		11/02/91		11/08/91		11/08/91		12.06/91	
Pesticide/PCB Compound	CRQL	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
alpha-BHC	8.0	16	UJ	16	U	17	U	16	UJ	16	UJ	17	UJ	8	UJ	8.2	UJ	16	U
beta-BHC	8.0	16	UJ	16	U	17	U	16	UJ	16	UJ	17	UJ	8	UJ	8.2	UJ	16	U
delta-BHC	8.0	16	UJ	16	U	17	U	16	UJ	16	UJ	17	UJ	8	UJ	8.2	UJ	16	U
gamma-BHC (Lindane)	8.0	16	UJ	16	U	17	U	16	UJ	16	UJ	17	UJ	8	UJ	8.2	UJ	16	U
Heptchlor	8.0	16	UJ	16	U	17	U	16	UJ	16	UJ	17	UJ	8	UJ	8.2	UJ	16	U
Aldrin	8.0	16	UJ	16	U	17	U	16	UJ	16	UJ	17	UJ	8	UJ	8.2	UJ	16	U
Heptachlor epoxide	8.0	16	UJ	16	U	17	U	16	UJ	16	UJ	17	UJ	8	UJ	8.2	UJ	16	U
Endosulfan I	8.0	16	UJ	16	U	17	U	16	UJ	16	UJ	17	UJ	8	UJ	8.2	UJ	16	U
Dieldrin	16.0	32	UJ	32	U	34	U	32	UJ	32	UJ	34	UJ	16	UJ	16	UJ	32	U
4,4'-DDE	16.0	32	UJ	32	U	34	U	32	UJ	32	UJ	34	UJ	16	UJ	16	UJ	32	U
Endrin	16.0	32	UJ	32	U	34	U	32	UJ	32	UJ	34	UJ	16	UJ	16	UJ	32	U
Endosulfan II	16.0	32	UJ	32	U	34	U	32	UJ	32	UJ	34	UJ	16	UJ	16	UJ	32	U
4,4'-DDD	16.0	32	UJ	32	U	34	U	32	UJ	32	UJ	34	UJ	16	UJ	16	UJ	32	U
Endosulfan sulfate	16.0	32	UJ	32	U	34	U	32	UJ	32	UJ	34	UJ	16	UJ	16	UJ	32	U
4,4'-DDT	16.0	32	UJ	32	U	34	U	32	UJ	32	UJ	34	UJ	16	UJ	16	UJ	32	U
Methoxychlor	80.0	160	UJ	160	U	170	U	160	UJ	160	UJ	170	UJ	80	UJ	82	UJ	160	U
Endrin Ketone	16.0	32	UJ	32	U	34	U	32	UJ	32	UJ	34	UJ	16	UJ	16	UJ	32	U
alpha-Chlordane	80.0	160	UJ	160	U	170	U	160	UJ	160	UJ	170	UJ	80	UJ	82	UJ	160	U
gamma-Chlordane	80.0	160	UJ	160	U	170	U	160	UJ	160	UJ	170	UJ	80	UJ	82	UJ	160	U
Toxaphene	160.0	320	UJ	320	U	340	U	320	UJ	320	UJ	340	UJ	160	UJ	160	UJ	320	U
Arochlor-1016	80.0	160	UJ	160	U	170	U	160	UJ	160	UJ	170	UJ	80	UJ	82	UJ	160	U
Arochlor-1221	80.0	160	UJ	160	U	170	U	160	UJ	160	UJ	170	UJ	80	UJ	82	UJ	160	U
Arochlor-1232	80.0	160	UJ	160	U	170	U	160	UJ	160	UJ	170	UJ	80	UJ	82	UJ	160	U
Arochlor-1242	80.0	160	UJ	160	U	170	U	160	UJ	160	UJ	170	UJ	80	UJ	82	UJ	160	U
Arochlor-1248	80.0	160	UJ	160	U	170	U	160	UJ	160	UJ	170	UJ	80	UJ	82	UJ	160	U
Arochlor-1254	160.0	320	UJ	320	U	340	U	320	UJ	320	UJ	340	UJ	160	UJ	160	UJ	320	U
Arochlor-1260	160.0	320	UJ	320	U	340	U	320	UJ	320	UJ	340	UJ	160	UJ	160	UJ	320	U

SEMIVOLATILE ORGANIC ANALYSIS, SOIL MATRIX, (ug/Kg) 18-Jun-92 Page 1

Project	200-BP-1																	
Case	SDG	9110L121		9110L144		9110L189		9110L868		9110L909				9110L994				9111L316
Sample Number		B015K1		B015K5		B015K7		B015G3		B015G5		B015G7		B015H3		B015H5		B015K9
Location		216-B-49A		216-B-50C		216-B-49A		216-B-49A		216-B-50B		216-B-50B		216-B-50B		216-B-49A		216-B-49A
		162.0-164.5		28.0-30.5		190.5-193.0		104.5-107.0		3.5-6.0		12.0-16.0		28.0-30.5		135.0-137.5		217.0-219.5
Remarks																		
Sample Date		10/22/91		10/23/91		10/25/91		09/30/91		10/03/91		10/03/91		10/09/91		10/09/91		11/04/91
Extract Date		10/29/91		10/29/91		10/31/91		10/08/91		10/08/91		10/08/91		10/21/91		10/21/91		11/08/91
Analysis Date		11/19/91		11/13/91		11/12/91		10/16/91		10/17/91		10/17/91		10/29/91		10/30/91		11/19/91
Semivolatile Compound	CRQL	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Phenol	330	340	U	350	U	350	U	340	UJ	340	U	340	U	330	UJ	350	UJ	340	U
bis(2-Chloroethyl)ether	330	340	U	350	U	350	U	340	UJ	340	U	340	U	330	UJ	350	UJ	340	U
2-Chlorophenol	330	8	J	350	U	350	U	340	UJ	340	U	340	U	330	UJ	350	UJ	340	U
1,3-Dichlorobenzene	330	340	U	350	U	350	U	340	UJ	340	U	340	U	330	UJ	350	UJ	340	U
1,4-Dichlorobenzene	330	340	U	350	U	350	U	340	UJ	340	U	340	U	330	UJ	350	UJ	340	U
Benzyl Alcohol	330	340	U	350	U	350	U	340	UJ	340	U	340	U	330	UJ	350	UJ	340	U
1,2-Dichlorobenzene	330	340	U	350	U	350	U	340	UJ	340	U	340	U	330	UJ	350	UJ	340	U
2-Methylphenol	330	340	U	350	U	350	U	340	UJ	340	U	340	U	330	UJ	350	UJ	340	U
bis(2-Chloroisopropyl)ether	330	340	U	350	U	350	U	340	UJ	340	U	340	U	330	UJ	350	UJ	340	U
4-Methylphenol	330	340	U	350	U	350	U	340	UJ	340	U	340	U	330	UJ	350	UJ	340	U
N-Nitroso-di-n-propylamine	330	340	U	350	U	350	U	340	UJ	340	U	340	U	330	UJ	350	UJ	340	U
Hexachloroethane	330	340	U	350	U	350	U	340	UJ	340	U	340	U	330	UJ	350	UJ	340	U
Nitrobenzene	330	340	U	350	U	350	U	340	UJ	340	U	340	U	330	UJ	350	UJ	340	U
Isophorone	330	340	U	350	U	350	U	340	UJ	340	U	340	U	330	UJ	350	UJ	340	U
2-Nitrophenol	330	340	U	350	U	350	U	340	UJ	340	U	340	U	330	UJ	350	UJ	340	U
2,4-Dimethylphenol	330	340	U	350	U	350	U	340	UJ	340	U	340	U	330	UJ	350	UJ	340	U
Benzoic acid	1600	1700	UJ	1700	U	1700	U	1700	UJ	1700	UJ	1700	UJ	60	J	710	J	1700	U
bis(2-Chloroethoxy)methane	330	340	U	350	U	350	U	340	UJ	340	U	340	U	330	UJ	350	UJ	340	U
2,4-Dichlorophenol	330	340	U	350	U	350	U	340	UJ	340	U	340	U	330	UJ	350	UJ	340	U
1,2,4-Trichlorobenzene	330	340	U	350	U	350	U	340	UJ	340	U	340	U	330	UJ	350	UJ	340	U
Naphthalene	330	340	U	350	U	350	U	340	UJ	340	U	340	U	330	UJ	350	UJ	340	U
4-Chloroaniline	330	340	U	350	U	350	U	340	UJ	340	U	340	U	330	UJ	350	UJ	340	U
Hexachlorobutadiene	330	340	U	350	U	350	U	340	UJ	340	U	340	U	330	UJ	350	UJ	340	U
4-Chloro-3-methylphenol	330	340	U	350	U	350	U	340	UJ	340	U	340	U	330	UJ	350	UJ	340	U
2-Methylnaphthalene	330	340	U	350	U	350	U	340	UJ	340	U	340	U	330	UJ	350	UJ	340	U
Hexachlorocyclopentadiene	330	340	U	350	UJ	350	UJ	340	UJ	340	UJ	340	UJ	330	UJ	350	UJ	340	U
2,4,6-Trichlorophenol	330	340	U	350	U	350	U	340	UJ	340	U	340	U	330	UJ	350	UJ	340	U

VOLATILE ORGANIC ANALYSIS, SOIL MATRIX, (ug/Kg) 18-Jun-92

Project	200-BP-1																	
Case	SDG	9110L121		9110L144		9110L189		9110L868		9110L909				9110L994				9111L316	
Sample Number		B015K1		B015K5		B015K7		B015G3		B015G5		B015G7		B015H3		B015H5		B015K9	
Location		216-B-49A		216-B-50C		216-B-49A		216-B-49A		216-B-50B		216-B-50B		216-B-50B		216-B-49A		216-B-49A	
		162.0-164.5		28.0-30.5		190.5-193.0		104.5-107.0		3.5-6.0		12.0-16.0		28.0-30.5		135.0-137.5		217.0-219.5	
Remarks																			
Sample Date		10/22/91		10/23/91		10/25/91		09/30/91		10/03/91		10/03/91		10/09/91		10/09/91		11/04/91	
Analysis Date		10/28/91		10/28/91		11/06/91		10/07/91		10/08/91		10/08/91		10/22/91		10/21/91		11/12/91	
Volatile Organic Compound	CRQL	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Chloromethane	10	10	U	11	U	10	U	10	UJ	10	U	10	U	10	U	10	U	10	U
Bromomethane	10	10	U	11	U	10	U	10	UJ	10	U	10	U	10	U	10	UJ	10	U
Vinyl Chloride	10	10	U	11	U	10	U	10	UJ	10	U	10	U	10	U	10	U	10	U
Chloroethane	10	10	U	11	U	10	U	10	UJ	10	U	10	U	10	UJ	10	UJ	10	U
Methylene Chloride	5	16	U	18	U	11	U	13	UJ	11	U	13	U	7	U	5	U	7	J
Acetone	10	17	U	58	B	15	UJ	34	UJ	20	U	27	U	32	UJ	23	UJ	27	R
Carbon Disulfide	5	5	U	6	U	5	U	5	UJ	5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethene	5	5	U	6	U	5	U	5	UJ	5	U	5	U	5	U	5	U	5	U
1,1-Dichloroethane	5	5	U	6	U	5	U	5	UJ	5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethene (total)	5	5	U	6	U	5	U	5	UJ	5	U	5	U	5	U	5	U	5	UJ
Chloroform	5	5	U	6	U	5	U	5	UJ	5	U	5	U	5	U	5	U	5	U
1,2-Dichloroethane	5	5	U	6	U	5	U	5	UJ	5	U	5	U	5	U	5	U	5	U
2-Butanone	10	10	U	11	U	10	U	10	UJ	10	U	10	U	10	UJ	10	UJ	10	UJ
1,1,1-Trichloroethane	5	5	U	6	U	5	U	5	UJ	5	U	5	UJ	5	U	5	U	5	U
Carbon Tetrachloride	5	5	U	6	U	5	U	5	UJ	5	U	5	UJ	5	U	5	U	5	U
Vinyl Acetate	10	10	U	11	U	10	U	10	UJ	10	U	10	UJ	10	U	10	U	10	U
Bromodichloromethane	5	5	U	6	U	5	U	5	UJ	5	U	5	UJ	5	U	5	U	5	U
1,2-Dichloropropane	5	5	U	6	U	5	U	5	UJ	5	U	5	UJ	5	U	5	U	5	U
cis-1,3-Dichloropropene	5	5	U	6	U	5	U	5	UJ	5	U	5	UJ	5	U	5	U	5	U
Trichloroethene	5	5	U	6	U	5	U	5	UJ	5	U	5	UJ	5	U	5	U	5	U
Dibromochloromethane	5	5	U	6	U	5	U	5	UJ	5	U	5	UJ	5	U	5	U	5	U
1,1,2-Trichloroethane	5	5	U	6	U	5	U	5	UJ	5	U	5	UJ	5	U	5	U	5	U
Benzene	5	5	U	6	U	5	U	5	UJ	5	U	5	UJ	5	U	5	U	5	U
trans-1,3-Dichloropropene	5	5	U	6	U	5	U	5	UJ	5	U	5	UJ	5	U	5	U	5	U
Bromoform	5	5	U	6	U	5	U	5	UJ	5	U	5	UJ	5	U	5	U	5	U
4-Methyl-2-pentanone	10	1	J	11	U	10	U	10	UJ	10	U	10	UJ	10	U	10	UJ	10	U
2-Hexanone	10	10	U	11	U	10	U	10	UJ	10	U	10	UJ	10	U	10	UJ	10	UJ
Tetrachloroethene	5	5	U	6	U	5	U	5	UJ	5	U	5	UJ	5	U	5	U	5	U

VOLATILE ORGANIC ANALYSIS, WATER MATRIX, (ug/L) 18-Jun-92

Project	200-BP-1		
Case	SDG	9110L189	
Sample Number		B015H2	
Location		216-B-49A	
		TRIP BLANK	
Remarks			
Sample Date		10/25/91	
Analysis Date		11/01/91	
Volatile Organic Compound	CRQL	Result	Q
Chloromethane	10	10	U
Bromomethane	10	10	U
Vinyl Chloride	10	10	U
Chloroethane	10	10	U
Methylene Chloride	5	10	U
Acetone	10	10	UJ
Carbon Disulfide	5	5	U
1,1-Dichloroethene	5	5	U
1,1-Dichloroethane	5	5	U
1,2-Dichloroethene (total)	5	5	U
Chloroform	5	5	U
1,2-Dichloroethane	5	5	U
2-Butanone	10	10	U
1,1,1-Trichloroethane	5	5	U
Carbon Tetrachloride	5	5	U
Vinyl Acetate	10	10	U
Bromodichloromethane	5	5	U
1,2-Dichloropropane	5	5	U
cis-1,3-Dichloropropene	5	5	U
Trichloroethene	5	5	U
Dibromochloromethane	5	5	U
1,1,2-Trichloroethane	5	5	U
Benzene	5	5	U
trans-1,3-Dichloropropene	5	5	U
Bromoform	5	5	U
4-Methyl-2-pentanone	10	10	U
2-Hexanone	10	10	UJ
Tetrachloroethene	5	5	U

200-BP-1, TASK 3, NEAR SURFACE SOIL SAMPLE DATA SUMMARY

ABBREVIATIONS

U The material was analyzed for, but was not detected above the level of the associated value. The associated value may be the Sample Quantitation Limit (SQL) or the Detection Limit (DL).
J The associated value is an estimated quantity.
UJ The material was analyzed for but was not detected. The associated value is an estimate and may be inaccurate or imprecise.
R The data are unusable.
B The material was analyzed for, and was above the Instrument Detection Limit but below the Contract Required Detection Limit.

Sample Number	Location			Nitrate (mg/kg)	Phosphate (mg/kg)	Sulfate (mg/kg)	Bismuth (mg/kg)	Selenium (mg/kg)	Total Cyanide (mg/kg)	Cyanide Lab
	North	East	Elevation							
200-BP-1 Detection Limits				1.0	5.0	20.0	10.0	0.5	0.5	
1 BOOJ48	137,590.774	573,613.030	629.34	8.2 J	4.2 J	2.3 R	28.3 U	0.208 U	0.519 U	Weston
									0.3 U	PNL
3 BOOJ49	137,580.927	573,613.230	628.95	7.4 J	1.2 UJ	1.2 R	30.1 U	0.280 U	0.574 U	Weston
									0.3 U	PNL
4 BOOJ50	137,581.749	573,608.363	629.29	2.0 J	1.2 UJ	1.2 R	33.0 U	0.212 U	0.573 U	Weston
									0.3 U	PNL
5 BOOJ51	137,587.814	573,604.650	629.62	4.5 J	2.5 UJ	2.5 R	31.2 U	0.189 U	0.521 U	Weston
									0.3 U	PNL
6 BOOJ52	137,577.262	573,597.297	630.81	23.1 J	1.2 UJ	1.2 R	26.9 U	0.180 U	0.538 U	Weston
									0.3 U	PNL
7 BOOJ53	137,612.625	573,604.993	626.11	2.5 UJ	2.5 UJ	2.5 UJ	25.9 U	0.208 U	0.519 U	Weston
									0.3 U	PNL
8 BOOJ54	137,617.479	573,609.522	627.56	1.2 UJ	1.2 UJ	1.2 R	28.1 U	0.190 B	0.549 U	Weston

Sample Number	Location			Nitrate (mg/kg)	Phosphate (mg/kg)	Sulfate (mg/kg)	Bismuth (mg/kg)	Selenium (mg/kg)	Total Cyanide (mg/kg)	Cyanide Lab
	North	East	Elevation							
200-BP-1 Detection Limits				1.0	5.0	20.0	10.0	0.5	0.5	
9 BOOJ55	137,611.161	573,607.314	626.92	1.2 UJ	1.2 UJ	1.2 R	29.8 U	0.173 U	0.567 U	Weston
10 BOOJ56	137,611.070	573,612.736	627.99	1.2 UJ	1.2 UJ	1.2 R	24.9 U	0.193 U	0.534 U	Weston
11 BBOJ60	1137,656.579	573,651.439	620.68	6.4 J	1.2 UJ	1.2 R	27.3 U	0.175 U	0.511 U	Weston
									0.3 U	PNL
12 BOOJ61	137,662.888	573,655.159	620.41	7.6 J	1.2 UJ	1.2 R	30.0 U	0.182 U	0.500 U	Weston
									0.3 U	PNL
13 BOOJ62	137,653.438	573,656.267	620.94	2.7 J	1.2 UJ	1.2 R	24.3 U	0.174 U	0.510 U	Weston
									0.3 U	PNL
13 DUP BOOJ75	137,653.438	573,656.267	620.94	< 20.0*	< 20.0*	< 20.0*	10.2*	0.41*	< 0.1*	K-25
									0.3 U	PNL
14 BOOJ63	137,655.713	573,661.673	620.77	1.3 J	1.2 UJ	1.2 R	25.1 U	0.156 U	0.513 U	Weston
									0.3 U	PNL
15 BOOJ64	137,682.174	573,692.301	619.08	7.8 J	2.7 J	1.2 R	25.4 U	0.203 U	0.508 U	Weston
16 BOOJ65	137,725.962	573,572.803	619.94	1.2 UJ	1.2 UJ	1.2 R	25.4 U	0.203 U	0.508 U	Weston
									0.3 U	PNL
17 BOOJ66	137,618.481	573,498.442	630.90	8.5 J	1.2 UJ	1.2 R	24.2 U	0.180 U	0.522 U	Weston
									0.3 U	PNL
17 DUP BOOJ76	137,618.481	573,498.442	630.90	< 20.0*	< 20.0*	< 20.0*	10.0*	0.42*	0.1*	K-25
									0.3 U	PNL
18 BOOJ68	137,559.272	573,475.623	636.95	1.2 UJ	1.2 UJ	1.2 R	27.1 U	0.151 U	0.507 U	Weston

Sample Number	Location			Nitrate (mg/kg)	Phosphate (mg/kg)	Sulfate (mg/kg)	Bismuth (mg/kg)	Selenium (mg/kg)	Total Cyanide (mg/kg)	Cyanide Lab
	North	East	Elevation							
200-BP-1 Detection Limits				1.0	5.0	20.0	10.0	0.5	0.5	
19 BOOJ69	137,533.388	573,498.296	639.56	5.0 J	1.2 UJ	1.2 R	26.0 U	0.196 U	0.529 U	Weston
20 BOOJ70	137,527.656	573,503.630	639.81	5.0 J	1.4 J	1.2 R	27.1 U	0.168 U	0.520 U	Weston
21 BOOJ71	137,523.308	573,503.479	640.45	1.2 UJ	1.2 UJ	1.2 R	26.1 U	0.161 U	0.531 U	Weston
									0.3 U	PNL
22 BOOJ72	137,523.168	573,498.778	640.32	26.9 J	1.9 J	1.2 R	25.9 U	0.196 U	0.526 U	Weston
23 BOOJ73	137,520.236	573,502.104	640.96	23.9 J	1.5 J	1.2 R	24.9 U	0.170U	0.535 U	Weston
24 BOOJ57	137,530.593	573,358.789	643.35	1.2 UJ	1.2 UJ	1.2 R	27.0 U	0.198 U	0.527 U	Weston
									0.3 U	PNL
25 BOOJ58	137,579.765	573,399.297	637.47	1.2 UJ	1.2 UJ	1.2 R	28.8 U	0.180 U	0.525 U	Weston
									0.3 U	PNL
26 BOOJ59	137,603.389	573,329.833	636.98	1.2 UJ	1.2 UJ	1.2 R	27.3 U	0.200 B	0.527 U	Weston
									0.3 U	PNL
27 BOOJ67	137,582.316	573,684.670	625.23	2.9 J	1.2 UJ	1.2 R	30.6 U	0.186 U	0.511 U	Weston
QA SAM BOOJ74				1.2 UJ	1.2 UJ	1.2 R	27.3 U	0.187 U	0.500 U	Weston
QA SAM BOOJ77				1.2 UJ	1.2 UJ	354 R	23.5 U	0.155 UJ	0.500 U	Weston

*Data is not validated.

Sample Number	Total Alpha (pCi/g)	Total Beta (pCi/g)	Tc-99 (pCi/g)	Sr-90 (pCi/g)	Cs-137 (pCi/g)	Co-60 (pCi/g)	Pu-238 (pCi/g)	Pu-239/240 (pCi/g)	Total U (pCi/g)	Ru-106 (pCi/g)	Other Isotopes
Detection Limit	0.2	0.1	5.0	1.0	1.0	1.0	0.5	0.5	1.0	0.2	
1/BOOJ48	6.8 ± 4.6	200. ± 10.0	< 0.7	< 0.02	71.8 ± 7.2	< 0.06			< 2.0	< 1.0	K-40, Ra-226, Th-228
3/BOOJ49	4.6 ± 2.3	44.0 ± 3.0	< 0.3	18.0 ± 2.0	11.6 ± 1.2	< 0.03	< 0.05	< 0.02		< 0.4	K-40, Ra-226, Th-228
4/BOOJ50	3.6 ± 2.1	49.0 ± 3.0	< 0.2	2.0 ± 0.5	15.3 ± 1.5	< 0.04	< 0.04	< 0.01	< 0.9	< 0.6	K-40, Ra-226, Th-228
5/BOOJ51	7.3 ± 4.7	190. ± 10.0	1.4 ± 0.7	< 0.03	93.6 ± 9.4	< 0.06				< 2.0	K-40, Ra-226, Th-228
6/BOOJ52	6.3 ± 4.4	330. ± 10.0	< 0.7	< 0.04	265. ± 27.0	< 0.05			< 3.0	< 2.0	K-40, Ra-226
7/BOOJ53	8.9 ± 5.0	91.0 ± 5.0	< 1.0	< 0.02	28.3 ± 2.8	< 0.06			< 2.0	< 1.0	K-40, Ra-226, Th-228
8/BOOJ54	2.7 ± 2.0	38.0 ± 3.0	< 0.3	2.6 ± 1.4	1.25 ± 0.12	< 0.03	< 0.08	< 0.02	< 0.8	< 0.3	K-40, Ra-226, Th-228
9/BOOJ55	5.5 ± 2.4	55.0 ± 4.0	< 0.7	< 0.5	3.51 ± 0.35	< 0.04	< 0.1	< 0.03	< 0.9	< 0.4	K-40, Ra-226, Th-228
10/BOOJ56	4.4 ± 2.2	40.0 ± 3.0	< 0.6	0.53 ± 0.11	1.92 ± 0.19	< 0.04	< 0.02	< 0.01	3.1 ± 1.3	< 0.5	K-40, Ra-226, Th-228
11/BOOJ60	3.6 ± 2.1	65.0 ± 4.0	< 0.9	< 0.03	6.07 ± 0.61	< 0.03	< 0.02	< 0.01	< 0.6	< 0.3	K-40, Th-228
12/BOOJ61	5.2 ± 4.2	40.0 ± 3.0	< 0.7	< 0.02	7.13 ± 0.71	< 0.06			< 1.0	< 0.7	K-40, Th-228
13/BOOJ62	< 2.0	32.0 ± 3.0	< 0.6	< 0.08	1.67 ± 0.17	< 0.04	< 0.03	< 0.01	< 0.8	< 0.3	K-40, Th-228
13D/BOOJ75											
14/BOOJ63	4.2 ± 2.2	35.0 ± 3.0	< 0.7	< 0.02	6.33 ± 0.63	< 0.04	< 0.03	< 0.01	< 0.8	< 0.4	K-40, Th-228
15/BOOJ64	4.7 ± 4.0	220. ± 10.0	< 0.8	< 0.02	149. ± 15.0	< 0.06			< 4.0	< 3.0	K-40
16/BOOJ65	8.9 ± 5.0	96.0 ± 5.0	< 0.6	< 0.02	53.3 ± 5.3	< 0.05			< 3.0	< 2.0	K-40, Th-228
17/BOOJ66	3.1 ± 2.0	34.0 ± 3.0	< 0.7	0.26 ± 0.06	17.2 ± 1.7	< 0.04	< 0.03	< 0.02	2.9 ± 1.4	< 0.5	K-40, Ra-226, Th-228
17D/BOOJ76											
18/BOOJ68	6.4 ± 2.6	91.0 ± 5.0	< 0.6	0.97 ± 0.09	21.3 ± 2.1	< 0.03	< 0.09	< 0.04	< 1.0	< 0.6	K-40, Ra-226, Th-228
19/BOOJ69	2.6 ± 1.9	49.0 ± 3.0	< 0.6	1.1 ± 0.1	4.43 ± 0.44	< 0.008	< 0.08	< 0.03	< 0.2	< 0.1	K-40, Th-228
20/BOOJ70	2.7 ± 2.0	54.0 ± 4.0	< 0.5	0.39 ± 0.08	7.48 ± 0.75	< 0.03	< 0.09	< 0.02	< 0.8	< 0.4	K-40, Ra-226, Th-228
21/BOOJ71	4.0 ± 1.4	47.0 ± 2.0	< 0.6	0.45 ± 0.07	19.8 ± 2.0	< 0.04	< 0.06	< 0.02	< 1.0	< 0.6	K-40, Th-228
22/BOOJ72	4.6 ± 1.4	44.0 ± 2.0	< 0.6	.025 ± 0.017	16.5 ± 1.7	< 0.04	< 0.06	< 0.02	< 0.9	< 0.5	K-40, Mn-54, Ra-226, Th-228
23/BOOJ73	4.4 ± 1.4	41.0 ± 2.0	< 0.6	0.33 ± 0.07	4.77 ± 0.48	< 0.04	< 0.02	< 0.01	< 0.9	< 0.5	K-40, Ra-226, Th-228
24/BOOJ57	4.4 ± 2.2	37.0 ± 3.0	< 0.7	0.03 ± 0.019	6.24 ± 0.62	< 0.04	< 0.01	.015 ± .009	< 0.8	< 0.4	K-40, Ra-226, Th-228
25/BOOJ58	3.6 ± 2.1	36.0 ± 3.0	< 0.7	< 0.03	6.45 ± 0.64	< 0.04	< 0.01	.013 ± .007	< 2.0	< 0.5	K-40, Ra-226, Th-228
26/BOOJ59	< 2.0	41.0 ± 3.0	0.78 ± 0.54	0.12 ± 0.05	4.67 ± 0.47	< 0.05	< 0.02	< 0.009	< 0.8	< 0.5	K-40, Ra-226, Th-228
27/BOOJ67	5.2 ± 4.2	270. ± 10.0	< 0.6	< 0.04	161. ± 16.0	< 0.05			< 3.0	< 2.0	K-40, Th-228
QA/BOOJ74	< 3.0	37.0 ± 3.0	< 0.5	< 0.04	< 0.03	< 0.04	< 0.02	< 0.02	< 0.6	< 0.4	K-40, Th-228
QA/BOOJ77	5.7 ± 4.0	40.0 ± 3.0	< 0.5	< 0.04	< 0.07	< 0.08	< 0.009	< 0.009	< 1.0	< 0.8	K-40, Th-228

Attachment #7

200-BP-1 WELL REMEDIATION ACTIVITIES

Well Remediation:

- 5 wells remain to be remediated (299-E33-12, 299-E33-13, 299-E33-15, 299-E33-18, and 299-E33-24).
- The remaining 200 Area remediation activities will begin once the 300 Area wells have been completed (2-3 weeks).

9 2 1 2 5 5 4 1 3 7 0

Attachment #8

200-BP-1 SORPTION/COLUMN LEACH TESTING

Column Leach Testing:

- All testing has been completed.
- Currently finalizing laboratory support for sample analysis.

Sorption Testing:

- Currently revising the test plan.

9 2 1 2 6 5 4 1 3 7 1

Attachment #9

SUMMARY TABLE OF 200-BP-1 TASK 2 & 4 DRILLING

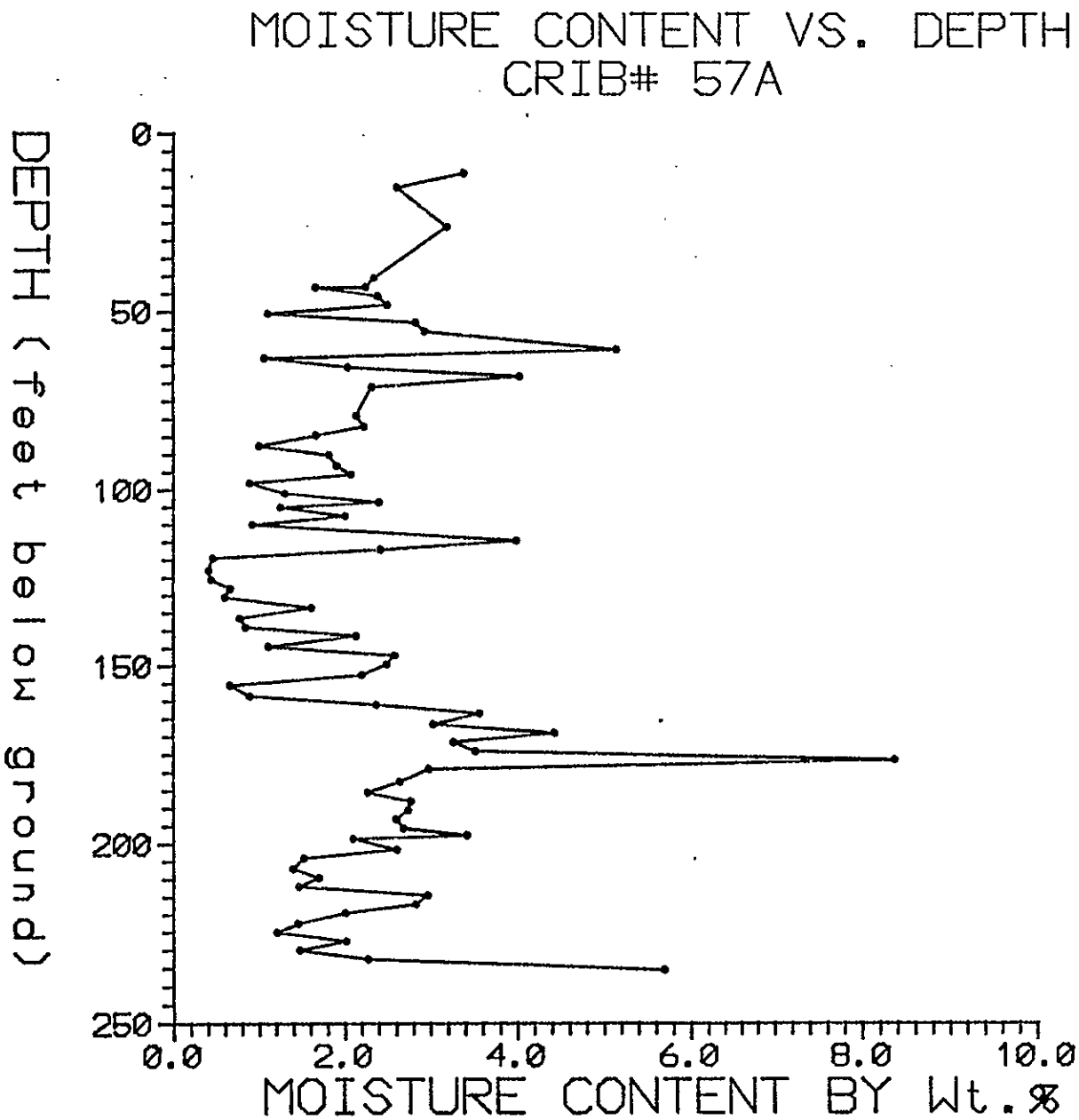
CRIB #	START DATE	END DRILLING DATE	END ABANDONMENT DATE	TOTAL DEPTH (feet)	12" Temp. Casing	10" Temp. Casing	8" Temp. Casing	6" Temp. Casing	Top of Crib	Bottom of Crib	# of Chem. Samples	# of Phy. Samples	# of Archive Samples
43 A	11/7/91	1/23/92	3/30/92	227.0'	39.0'	122.0'	223.0'	------	11.6'	17.5'	12	31	63
43 B	4/23/92	4/24/92	5/15/92	30.5'	------	------	10.67'	28.0'	11.5'	18.0'	4	--------	8
43 C	4/29/92	4/30/92	5/19/92	31.5'	------	------	9.33'	29.0'	11.5'	19.0'	4	--------	8
44 A	3/18/92	3/19/92	5/6/92	31.5'	------	------	10.0'	28.5'	11.0'	20.0'	4	--------	8
44 B	3/25/92	3/30/92	5/13/92	33.0'	------	------	9.50'	29.5'	10.5'	19.8'	4	--------	6
44 C	4/3/92	4/8/92	5/14/92	31.5	------	------	9.50'	28.5'	11.0'	20.0'	4	--------	4
45 A	1/20/92	1/27/92	4/8/92	30.0'	------	------	10.0'	28.5'	11.25'	17.0'	4	--------	7
45 B	2/28/92	3/5/92	4/14/92	29.5'	------	------	11.0'	19.5'	11.0'	19.5'	5	--------	9
45 C	3/10/92	3/11/92	4/15/92	29.5'	------	------	9.0'	27.0'	11.0'	19.0'	4	--------	3
46 A	11/21/91	12/5/91	1/27/92	32.0'	------	------	9.0'	29.0'	11.0'	16.5'	4	--------	8
46 B	12/10/91	12/17/91	1/??/92	35.0'	------	------	10.0'	32.0'	10.5'	17.0'	4	--------	11
46 C	1/7/92	1/10/92	3/2/92	29.5'	------	------	9.0'	27.0'	11.0'	17.0'	4	--------	9
47 A	4/14/92	4/22/92	5/22/92	35.0'	------	------	10.02'	33.0'	14.0'	22.5'	4	--------	5
47 B	4/27/92	5/4/92	5/28/92	37.5'	------	------	10.5'	35.0'	15.5'	22.25'	4	--------	8
47 C	5/16/92	5/12/92	5/29/92	33.5'	------	------	10.75'	31.0'	14.75'	22.0'	4	--------	4

9 2 1 2 6 5 4 1 3 7 2

CRIB #	START DATE	END DRILLING DATE	END ABANDONMENT DATE	TOTAL DEPTH (Feet)	12" Temp. Casing	10" Temp. Casing	8" Temp. Casing	6" Temp. Casing	Top of Crib	Bottom of Crib	# of Chem. samples	# of Phy. Samples	# of Archive samples
48 A	3/11/92	3/16/92	4/28/92	30.5'	------	------	9.0'	27.8'	11.5'	19.5'	4	--------	3
48 B	3/20/92	3/25/92	4/30/92	35.0'	------	------	10.5'	34.0'	12.5'	20.0'	4	--------	6
48 C	3/31/92	4/2/92	5/4/92	31.5'	------	------	10.0'	29.0'	12.5'	19.5'	4	--------	5
49 A	7/25/91	11/5/92	1/10/92	223.0'	25.0'	104.7'	223.0'	------	13.5'	17.0'	11	27	44
49 B	11/8/91	11/20/91	12/26/91	32.0'	------	------	10.0'	32.0'	12.0'	18.0'	4	--------	10
49 C	1/23/92	3/2/92	4/2/92	29.5'	------	------	9.0'	27.45'	11.0'	19.0'	4	--------	6
50 A	11/4/91	11/12/91	12/10/91	29.0'	------	------	9.0'	26.4'	11.6'	16.5'	4	--------	11
50 B	10/2/91	10/9/91	10/14/91	33.0'	------	------	9.0'	28.5'	14.0'	18.5'	4	--------	9
50 C	10/17/91	10/23/91	10/31/91	33.0'	------	------	9.0'	28.5'	12.5'	19.5'	4	--------	10
57 A	6/25/91	8/27/91	10/25/91	233.0'	67.0'	167.0'	233.0'	------	13.0'	16.5'	12	89	--------
57 B	9/13/91	9/19/91	9/23/91	50.0'	------	------	9.0'	47.0'	10.75'	18.0'	6	--------	18
57 C	8/30/91	9/6/91	9/10/91	50.0'	------	------	9.0'	47.0'	11.0'	18.8'	5	--------	21
61 A	5/9/91	5/20/91	??/??/91	30.2'	------	------	32.92	------	9.5'	15.0'	4	9	--------

9 2 1 2 6 3 4 1 3 7 3

Attachment #10



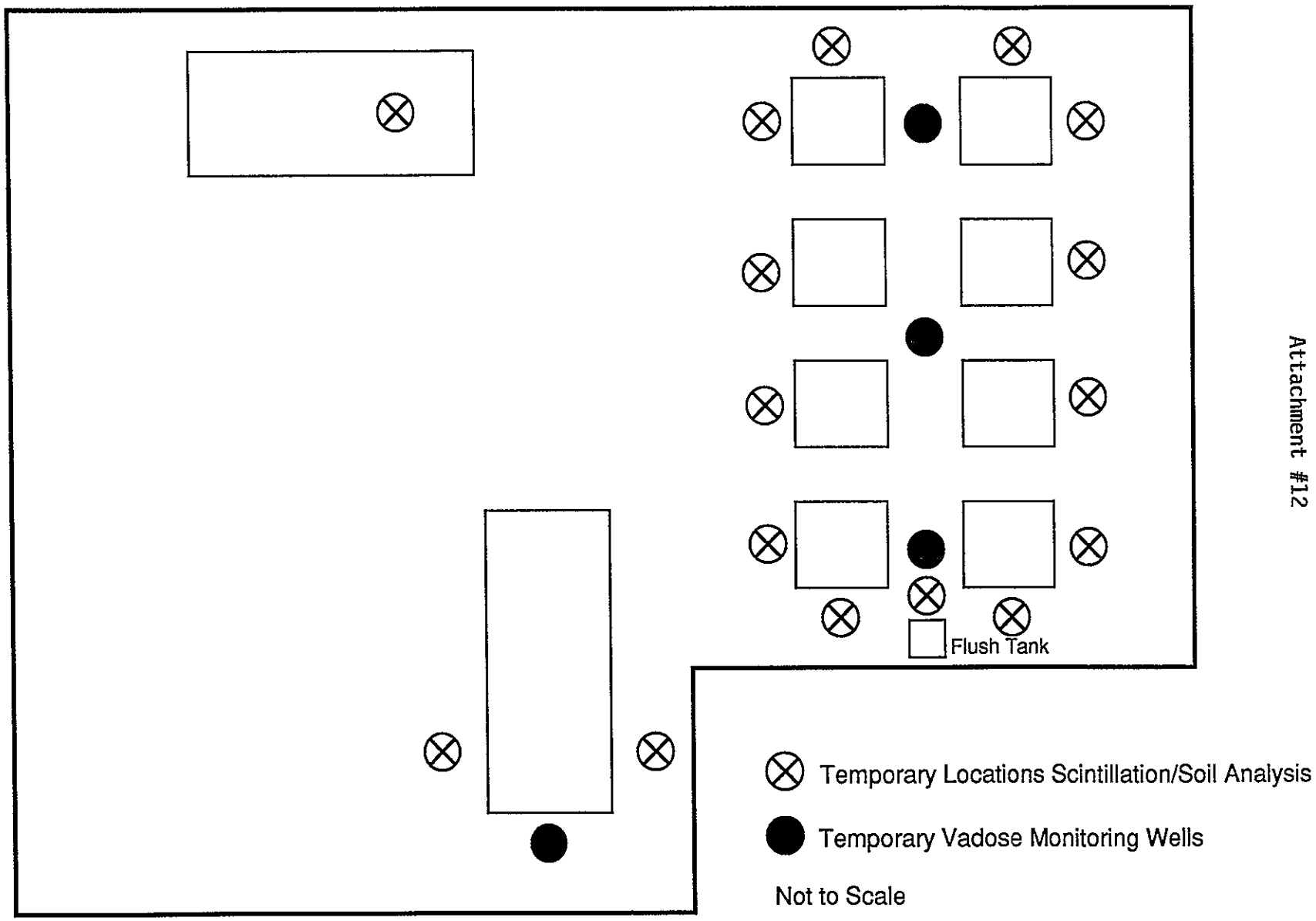
200-BP-1 SAMPLE VALIDATION SUMMARY

CHEMICAL SAMPLES					
Sample Type	Total Samples	Number of Samples Received from Laboratory	Total Validated Samples	Total Unvalidated Samples	Total Samples which have Partial Data Validated
2nd Quarter Groundwater	190	190	117	73	10
3rd Quarter Groundwater	135	135	120	15	0
4th Quarter Groundwater	110	110	40	70	
Crib Samples	321	164	52	269	9

RADIOCHEMICAL SAMPLES					
Sample Type	Total Samples	Number of Samples Received from Laboratory	Total Validated Samples	Total Unvalidated Samples	Total Samples which have Partial Data Validated
2nd Quarter Groundwater	60	60	0	60	0
3rd Quarter Groundwater	52	52	0	52	0
4th Quarter Groundwater	43	31	0	43	0
Crib Samples	179	75	0	179	0

Attachment #11

200-BP-1
Cone Penetrometer Locations

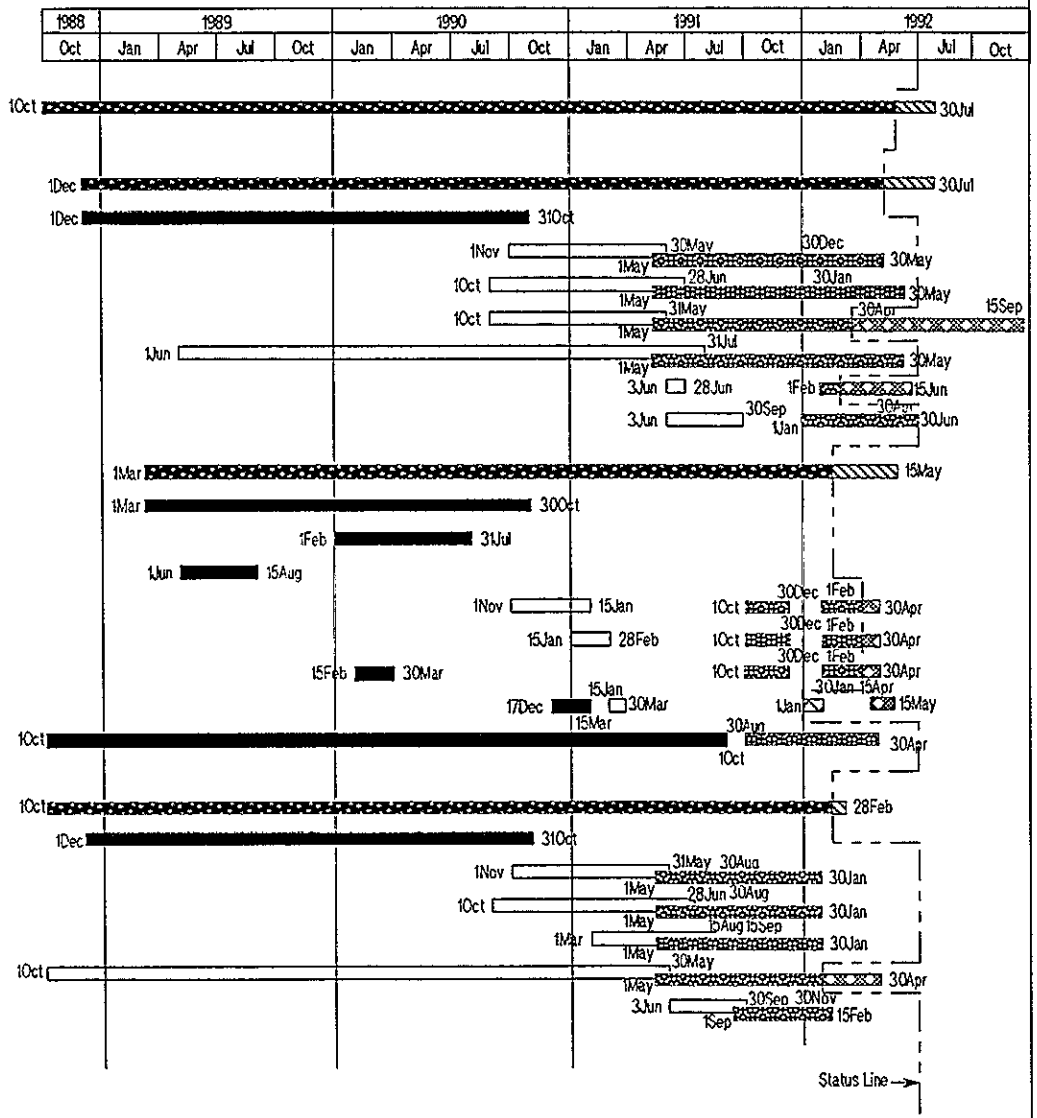


MAB\M031692-A

Attachment #12

9 2 1 2 6 5 4 1 3 7 7

200-BP-1 OPERABLE UNIT



LEGEND:
- ORIGINAL SCHEDULE ACTIVITIES
- SUMMARY ACTIVITIES
- REVISED ACTIVITIES
- ACTUAL ACTIVITIES

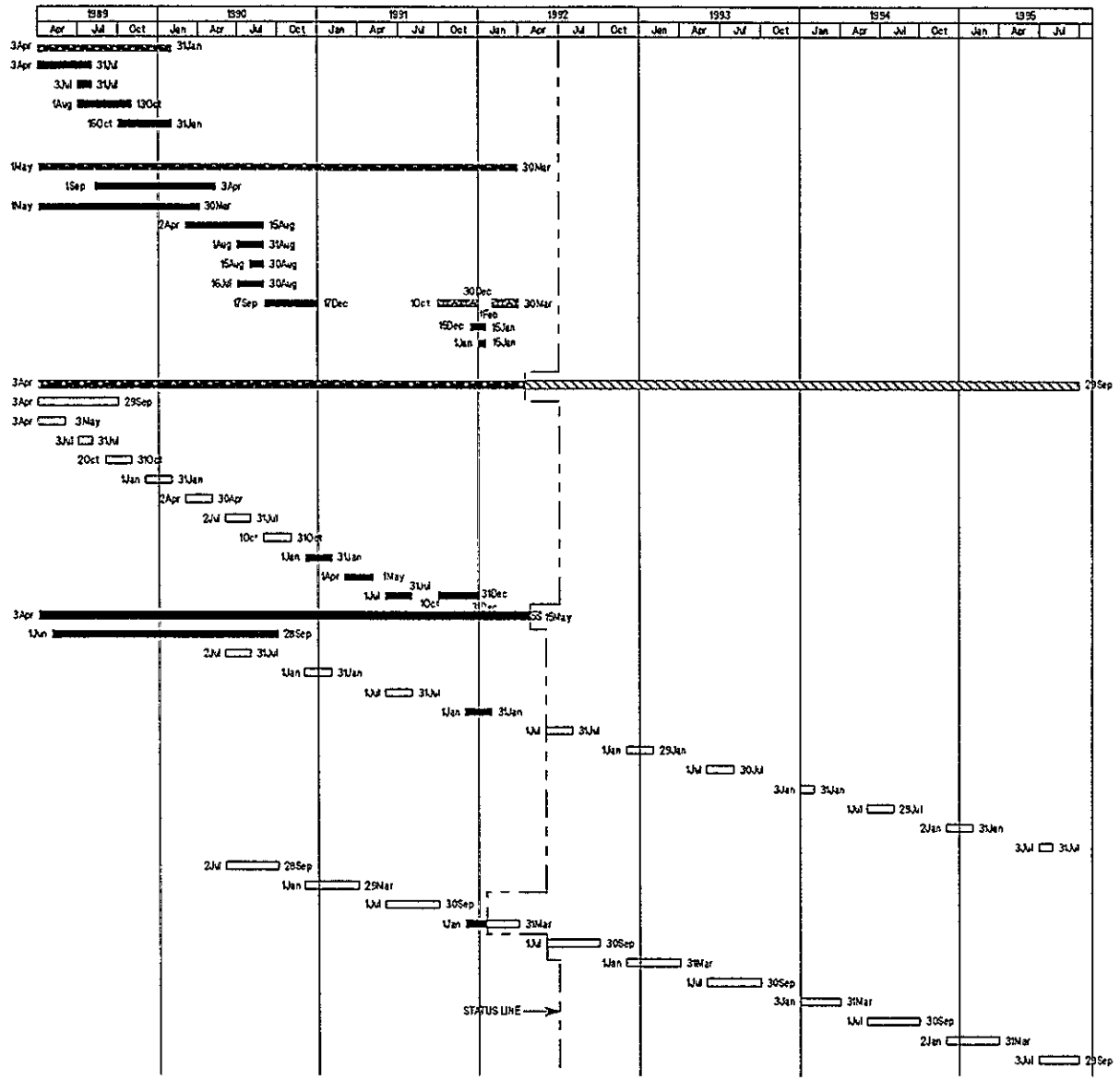
Project: PE13A	200BP1IU	Date: 19 June 92 11:34
200-BP-1 REMEDIAL INVESTIGATION		
Page: 1 of 3	Drawn by: Steve J. Sakey 6-3092	

Attachment #13

#13/Page 1 of 3

9 2 1 2 6 3 4 1 3 7 3

200-BP-1 OPERABLE UNIT

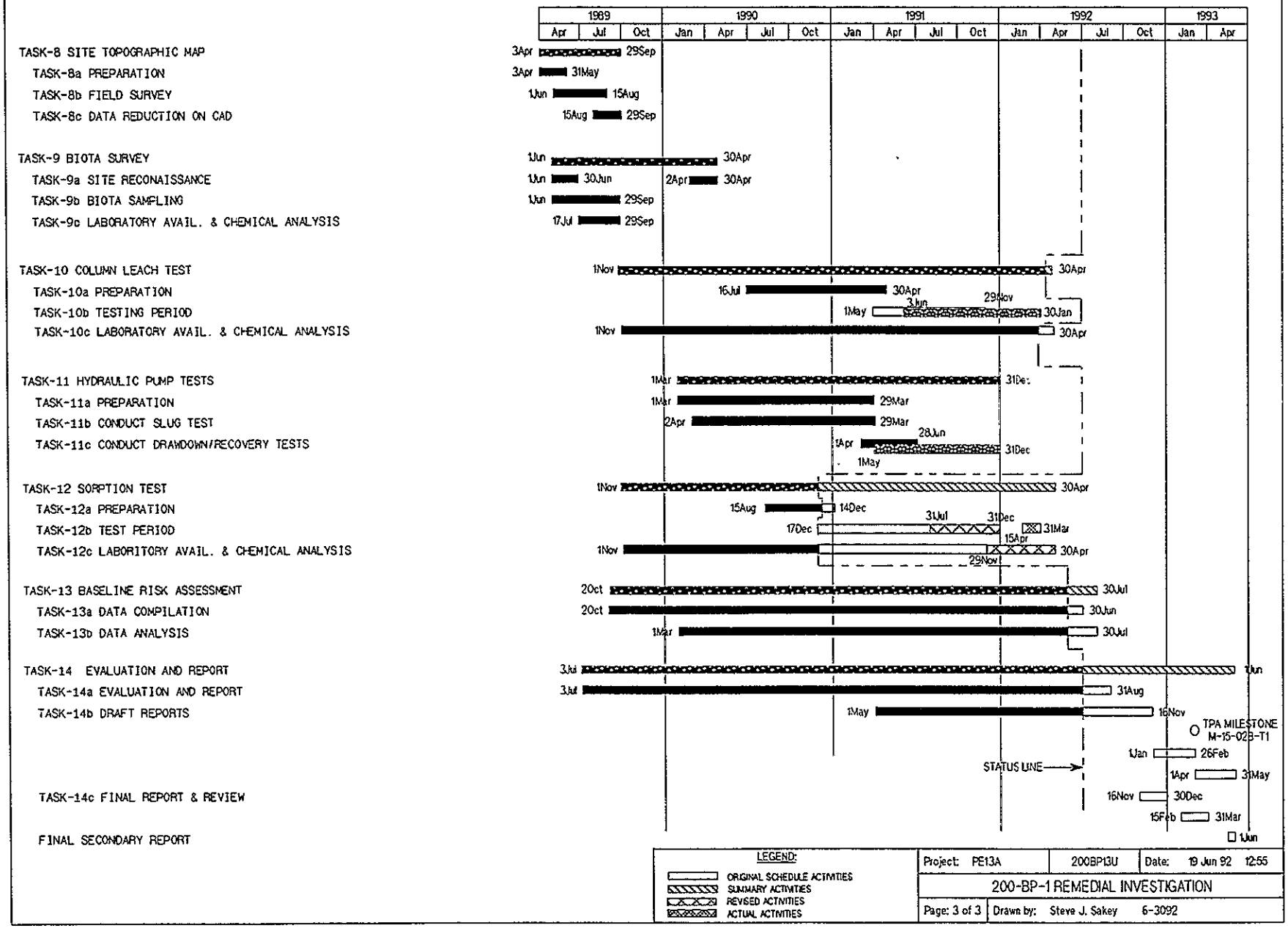


LEGEND			
ORIGINAL SCHEDULE ACTIVITIES	Project: PE13A	200BP1U	Date: 19 Jun 92 12:37
SUMMARY ACTIVITIES	200B-BP-1 OPERABLE UNIT		
REVISED ACTIVITIES			
ACTUAL ACTIVITIES	Page: 2 of 3	Drawn by: Steve J. Salley	6-30-92

#13/Page 2 of 3

9 2 1 2 6 5 4 1 3 7 9

200-BP-1 OPERABLE UNIT



#13/Page 3 of 3

Distribution

Unit Manager's Meeting: 200-BP-1 Operable Unit
June 25, 1992

Julie K. Erickson . . . . . Chief, DOE-RL, ERD/EPB (A5-19)
Roger D. Freeberg . . . . . Chief, Rstr. Br., DOE-RL/ERD (A5-19)
Mike Thompson, ... DOE-RL, EAP/RPB (A5-19)
Diane Clark, ... DOE-RL, TSD/SSB (A5-55)
Mary Harmon, ... DOE-HQ (EM-442)
Suzanne Clarke, SWEC . . . . . GSSC to DOE-RL (A4-35)

Dennis Faulk . . . . . 100 Aggregate Area Manager, EPA (B5-01)
Pamela Innis . . . . . EPA (B5-01)
Ward Staubitz, USGS . . . . . Support to EPA
Audree DeAngeles, PRC . . . . . Support to EPA

Darci Teel . . . . . 100 Aggregate Area Manager, WDOE (Kennewick)
Larry Goldstein . . . . . WDOE (Lacey)

Lynn Albin . . . . . Washington Dept. of Health

Richard D. Wojtasek . . . . . Prgm. Mgr. WHC (L4-92)
Tom Wintczak . . . . . WHC (L4-92)
Mel Adams . . . . . WHC (H4-55)
L.D. Arnold . . . . . WHC (B2-35)
Rich Carlson . . . . . WHC (H4-55)
Mark Buckmaster . . . . . WHC (H4-55)
Doug Dunster . . . . . Golder Associates, Support to WHC

Don Praast, ... GAO (A1-80)
Ralph O. Platt . . . . . Oregon Water Resources Department

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

This list has been updated. Please inform Suzanne Clarke (SWEC) of deletions or additions to the distribution list.

9 2 1 2 6 3 4 1 3 3 0