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Final

Meeting Minutes Transmittal/Approval  
 Unit Manager's Meeting: 100 Aggregate Area/100 Area Operable Units  
 450 Hills Street, Richland, Washington  
 July 29, 1992

FROM/APPROVAL: Eric Goller Date 8-26-92  
 Eric D. Goller, 100 Area Unit Manager, RL (A5-19)

APPROVAL: Darci Teel Date 8-26-92  
 Darci Teel, 100 Aggregate Area Unit Manager, WA Department of Ecology

APPROVAL: Dennis Faulk Date 8-26-92  
 Dennis Faulk, 100 Aggregate Area Unit Manager, EPA (B5-01)

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

- Attachment #1 - Meeting Summary
- Attachment #2 - Agenda
- Attachment #3 - Attendance
- Attachment #4 - Action Item Status List
- Attachment #5 - Status of 100 Area Wide Activities Schedule
- Attachment #6 - 100-HR-1 Tasks, July 1992
- Attachment #7 - 100-HR-3 Activities
- Attachment #8 - 100-DR-1 Operable Unit Activities
- Attachment #9 - 100-BC-1 Source Operable Unit Schedule & Work Summary
- Attachment #10 - 100-BC-5 Operable Unit Schedule
- Attachment #11 - 100-KR-4 Operable Unit Schedule
- Attachment #12 - 100-KR-4 and 100-NR-2 Drilling Status
- Attachment #13 - N-Area Soil Gas Survey
- Attachment #14 - N-Area Surface Radiation Survey
- Attachment #15 - 100-FR-1 and 100-KR-1 Status
- Attachment #16 - DOW Schedule for 100-KR-1, 100-FR-1 and 100-NR-1
- Attachment #17 - Entrance Requirements for Exclusion Zones in Hazardous Waste/Radioactive Sites Memorandum from Kevin Kytola
- Attachment #18 - Hazardous Waste Worker Status Report
- Attachment #19 - 100 NPL Agreement/Change Control Form #25
- Attachment #20 - 100 NPL Agreement/Change Control Form #24

Prepared by: Suzanne Clarke Date: 8/26/92  
 Suzanne Clarke, Kay Kimmel, GSSC (A4-35)

Concurrence by: AP/HH Date: 8/26/92  
 Bob Henckel, WHC Coordinator (H4-55)



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Attachment #1  
Meeting and Summary of Commitments and Agreements

Unit Manager's Meeting: 100 Aggregate Area/100 Area Operable Units  
July 29, 1992

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1. **SIGNING OF THE JUNE 100 AREA UNIT MANAGER'S MEETING MINUTES** - Minutes were reviewed and approved with changes to Item 11. Eric Goller added information and changed the "is unable" to "was able".
  2. **ACTION ITEM UPDATE:** (See Attachment 4 for status (before June meeting), items listed below for the update to Attachment 4 made during the June meeting):
    - 1HR3.32 Open (7/29/92). NEPA approval almost through. Probably one week.
    - 1AAMS.5 Open. Confirm that letter went out.
    - 1AAMS.7 Working with the sampling organization that receives the lab analyses to obtain the data and will work on getting the information to the regulators.
    - 1AAMS.9 Open. No Answer.
    - 1AAMS.13 Closed (7/29/92) with presentation. See Attachments #17 and #18.
  3. **NEW ACTION ITEMS (INITIATED JULY 29, 1992):**
    - 1AAMS.14 Schedule a presentation on the Hanford Site Past Practice  
Eric Goller Strategy targeted for the middle-to-latter part of August.
    - 1AAMS.15 Provide response to April 2 EPA letter concerning river seeps.  
Eric Goller
    - 1AAMS.16 DOE should transmit Revision 1 of M-30-01.
  4. **100 AREA ACTIVITIES:** See Attachment #5 for the schedule.
    - **Status Biota Samples:** Holding times were exceeded for ecological samples for aquatic biota, tree leaves, and asparagus samples. Although the holding times have been exceeded, it is not anticipated that this will affect the data quality.
    - **Status FS and Program Plans:** Fred Roeck indicated that 100 Area Feasibility Study internal comments have been incorporated and the document is ready for transmittal with an August 15 delivery date. The methodology for documenting the change in the milestone (1 document rather than 3) is under discussion.

5. FIELD ACTIVITIES:

100-DR-1: change control form number 25 (Attachment #19) concerning elimination of the 132-D-3 effluent pumping station from the 100-DR-1 work plan schedule and DOW list was transmitted to EPA and Ecology.

100-DR-1: change control form number 24 (Attachment #20) concerning the soil gas surveys at the paint shop, was transmitted to EPA and Ecology.

KR-1 test pits: There is a possibility of moving this task forward from the November time-frame.

Well drilling update:

KR-4 near completion.

FR-3 initiate during the first week of August

NR-2 drilling is ongoing, at 50 feet.

6. WORK PLANS - Status was provided by Alan Krug and Roberta Day:

NR-1 and NR-2 are held until coordination with operations.

DR-1, HR-1 and HR-3 are in public comment.

BC-1 approved July 22, 1992.

BC-5 in process of transmittal to EPA for approval.

KR-1 is in the process of transmittal.

KR-4 and FR-3 meeting is scheduled Friday, July 31, to discuss schedules.

FR-1 all items are closed out and in the process of publication.

7. INFORMATION ITEMS

- Access Requirements: To be at the site only a badge is required. To get into the exclusion zone, in order for the regulators to obtain their own samples, see attachments #17 and #18, and also participate in the tailgate meeting (first thing in the morning). N and K areas have their own special training (held on Wednesdays).
- Status of Ecology Sampling Protocol: Existing Ecology protocol is not Hanford specific. Methods in preparation.
- Integrated Demonstrations: Tests with the cone penetrometer integrated demo may be possible in the 100 Areas. Push depths have varied from 30 to 147 feet. Provides continuous VOC monitoring of subsoil samples plus soil sampling capabilities. A larger rig was brought in this year as compared to last year (80,000 lb capacity).
- IRM and Treatability Study Program Plans: These are delayed due to the necessity of one month HQ review.
- Treatability Studies: Meeting concerning scoping of treatability studies is scheduled for 8:00am August 6 Conference Room. The meeting is scheduled to discuss near term treatability studies (FY 93).

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- TPA Public Meeting: Some 100 area topics are on the agenda.
- Work Plans for the Next Fiscal Year: Three Work Plans are proposed; 100-BC-2, 100-DR-2, and either 100-KR-2 or 100-HR-2.
- New Work Plans: These will reference several "generic" elements (such as the QAPjP), and not include these in the documents.

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**Attachment #2  
Agenda**

**Unit Manager's Meeting: 100 Aggregate Area/100 Area Operable Units**

**100 Area RI Status - Bob Henckel**

- **Work Plans - Alan Krug/Roberta Day**

**General Items**

- **Access Requirements**
- **Status of Ecology Sampling Protocol**
- **Status FS and Program Plans**
- **Status M-30-04 Methodology**
- **Status Biota Samples**

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100 Aggregate Area Unit Manager's Meeting  
 Official Attendance Record  
 July 29, 1992

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| PRINTED NAME     | SIGNATURE        | ORGANIZATION       | O.U. ROLE                            | TELEPHONE                                |
|------------------|------------------|--------------------|--------------------------------------|--|
| Suzanne Clarke   | Suzanne Clarke   | SWEC               | GSSC to RL                           | 372-0630                                 |
| Billie Mauss     | Billie Mauss     | Ecology            | Support CERCLA                       | 509- <del>722</del> <sup>546</sup> -2993 |
| Jeff Phillips    | Jeff Phillips    | Ecology            | Unit Manager                         | 509-546-2908                             |
| Larry Gadbois    | LE Gadbois       | EPA                | Unit Manager                         | 509 376-9884                             |
| Darci Teel       | Darci Teel       | Ecology            | CERCLA support                       | 509 545 2312                             |
| Steve Cross      | Steve Cross      | "                  | "                                    | 206 4596675                              |
| Robert Henckel   | R Henckel        | WHC                | 100 Area                             | 509 376-2091                             |
| Alan D. Krug     | A D Krug         | WHC                | 100 Area Ecology S. Ts               | 509 376 5634                             |
| Brian Drost      | Brian Drost      | USGS               | EPA support                          | 206-593-6510                             |
| R.E. Day         | R E Day          | WHE                | 100 Areas                            | 376-7602                                 |
| PAMELA INNIS     | Pamela Innis     | EPA                | UNIT MANAGER                         | 509/376-4919                             |
| Eric Goller      | Eric Goller      | RL                 | 100 Areas Unit Mgr                   | 509-376-7826                             |
| KAY KIMMEL       | Kay Kimmel       | SWEC               | GSSC                                 | 509-372-0610                             |
| Jim PATTERSON    | Jim Patterson    | WHC                | ERP Program                          | 509-376-0568                             |
| Andree DeAngeles | Andree DeAngeles | PRC                | EPA Support                          | 206-624-2692                             |
| MIKE BAENE       | M W Baene        | USACE              | -                                    | 509-376-1275                             |
| Jon Sprecher     | Jon Sprecher     | Brown and Caldwell | Ecology Support                      | (503) 244-7005                           |
| Richard Hebbert  | Richard Hebbert  | Ecology            | Engineering Support                  | (206) 493-9367                           |
| W.E. Green       | W E Green        | WHC                | Dir. Technical Coord                 | 376-3886                                 |
| Karl N. Pool     | Karl N. Pool     | WHC                | OSM                                  | 509-373-3137                             |
| Steve Weiss      | Steve Weiss      | WHC                | 100 AREA RIVER, Ecology + Archeology | 509 376-1683                             |
| STEVE VUKELICH   | Steve Vukelich   | WHC                | 100HR-3                              | 509 376-5158                             |
| KEVIN KYTOLA     | Kevin Kytola     | WHC                |                                      | 2-1662                                   |
| Dennis Faulk     | Dennis Faulk     | EPA                | Unit Manager                         | 6-8631                                   |
| STEVE BAENE      | Steve Baene      | DOE                | HA Prog. Mgmt.                       | <sup>301</sup> 903-7607                  |



Attachment #4  
Action Item Status List

Unit Manager's Meeting: 100 Aggregate Area/100 Area Operable Units  
July 29, 1992

| ITEM NO. | ACTION   | STATUS  |
|----------|--|---|
| 1HR1.28  | Determine when the topographic mapping will be available on HEIS, who is responsible for digitizing the mapping, and when it will be available. Action: Alan Krug (11/15/90)   | Closed 6/24/92. Don't know when the data will be in HEIS.   |
| 1HR3.29  | Provide regulators with information about the situation concerning the cooling-water discharge pipeline/vent pipes on the island opposite D reactor. Action: Jim Goodenough (11/15/90)   | Closed 6/24/92. 3 parts: 1) approval from Benton County Shoreline Management 2) Dept. of Fisheries wanted NEPA document for wetlands 3) USACE approval pending. |
| 1HR3.32  | Regarding the removal of the vent pipes, WHC will: 1) Determine the need for an ACE permit; 2) obtain a letter from ACE that gives approval to begin work before the need for the permit is determined; and, 3) draft letters on the matter to the Natural Resources Trustees. Action: A. Krug (1/15/90)             | Open: Pending overall resolution (7/18/91). NEPA wetlands approval pending. USACE approval: resolution pending. 6/24/92 NEPA signed by Wagner, at HQ 7/29/92.   |
| 1AAMS.1  | The 100 Area schedule assumptions presented by Merl Lauterbach are to be discussed with the regulators and resolved. Action: Doug Sherwood, Larry Goldstein, Mike Thompson (9/19/91)   | Closed 6/24/92.   |
| 1AAMS.2  | WHC, DOE and the regulators are to meet to resolve questions on the 100 Area investigations. Topics to be discussed include geophysical logging, physical testing, archiving of "hot" samples, aquifer testing, etc. This meeting is tentatively scheduled for November 26, 1991. Action: Merl Lauterbach (11/21/91) | Closed 6/24/92.   |
| 1AAMS.3  | Clarify the level above which RAD samples can not be shipped off site. Action: DOE (12/17/91)  | Closed 6/24/92.   |

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| ITEM NO. | ACTION  | STATUS  |
|----------|---|---|
| 1AAMS.4  | Provide a plan for incorporating the comments of EPA and Ecology into the work plans. Action: RL (12/17/91)   | Closed 6/24/92.   |
| 1AAMS.5  | Ecology and EPA are to be provided with sampling data on mulberries from N-Springs as well as data from the vegetation eradication program. The specific herbicides that were used are to be included. Action: T. Poston and J. Goodenough. (1/23/92)   | Open. Confirm that letter went out 6/24/92.   |
| 1AAMS.7  | Provide information to the regulators on how to retrieve rad counting data from the 222-S Lab. Action to Jeff Lerch (2/27/92). Action: Karl Pool (6/24/92)  | Open. How does WHC get their data for shipping? Working with the sampling organization that receives the lab analyses to obtain the data and will work on getting the information to the regulators (8/5/92). |
| 1AAMS.8  | Present a comparison of 222-S rad counting data, field screening data and geophysical logging results at the March UMMs. The data set used should include 2 or 3 boreholes, preferably holes in which both gross and spectral logs have been run. Action: Merl Lauterbach (2/27/92)                         | Closed 6/24/92.   |
| 1AAMS.9  | DOE shall send a letter to Ecology, suggested from S. H. Wisness to D. Jansen with a cc. to EPA, explaining what is included in the ER Program for the N Reactor Area and how the multiple programs will be handled organizationally. Action to J. D. Goodenough (2/27/92). Action: E. D. Goller (5/27/92). | Open. Related to the N Areas Issues Papers. No answer 7/29/92.  |
| 1AAMS.10 | Arrange a meeting on the 100 Area Feasibility Studies, Phases I and II, with the regulators for the week of April 6th. Action to E. D. Goller (RL) 3/26/92.   | Closed 6/24/92.   |
| 1AAMS.12 | Ecology requested that sampling on oil and grease well network be restarted in down-gradient wells N-3, N-8, and N-16 through N-26 (5/22/92 letter to Eric Goller from Steve Cross). Action to E.D. Goller (RL) 5/27/92   | Open. No action 7/29/92.  |

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| ITEM NO. | ACTION  | STATUS          |
|----------|---|-----------------|
| 1AAMS.13 | To contact appropriate parties to develop a checklist of all requirements (training and health and safety) necessary for personnel to gain access to radiation exclusion zones.<br>Action: Eric Goller (6/24/92). | Closed 7/29/92. |
| 1AAMS.14 | Schedule a presentation on the Hanford Site Past Practice Strategy targeted for the middle-to-latter part of August.<br>Action: Eric Goller (RL) (7/29/92).   | Open (7/29/92). |
| 1AAMS.15 | Provide response to April 2 EPA letter concerning river seeps. Action: Eric Goller (RL) 7/29/92.  | Open (7/29/92). |
| 1AAMS.16 | DOE should transmit Revision 1 of M-30-01.  | Open (7/29/92). |

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| Task Name                            | 1991                         |     |     | 1992 |     |     |     |     |     |     |     |     |
|--------------------------------------|------------------------------|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|
|                                      | Oct                          | Nov | Dec | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| <b>AREA WIDE ACTIVITIES</b>          | [Solid black bar]            |     |     |      |     |     |     |     |     |     |     |     |
| <b>100 AREA FEASIBILITY STUDY</b>    | [Solid black bar]            |     |     |      |     |     |     |     |     |     |     |     |
| 1.0 Alternative Screen/Develop       | [Solid black bar]            |     |     |      |     |     |     |     |     |     |     |     |
| 1.1 Contaminant Identification       | [Solid black bar]            |     |     |      |     |     |     |     |     |     |     |     |
| 1.2 Alternative Development          | [Dotted bar from Oct to Nov] |     |     |      |     |     |     |     |     |     |     |     |
| 1.3 Alternative Screening            | [Dotted bar from Oct to Feb] |     |     |      |     |     |     |     |     |     |     |     |
| 1.4 Report Preparation (4)           | [Dotted bar from Mar to Jul] |     |     |      |     |     |     |     |     |     |     |     |
| <b>100 AREA RISK ASSESSMENT</b>      | [Solid black bar]            |     |     |      |     |     |     |     |     |     |     |     |
| 1.0 Risk Assessment Methodology      | [Solid black bar]            |     |     |      |     |     |     |     |     |     |     |     |
| 1.1 Methodology Development          | [Dotted bar from Oct to Dec] |     |     |      |     |     |     |     |     |     |     |     |
| 1.2 Model Identification             | [Solid black bar]            |     |     |      |     |     |     |     |     |     |     |     |
| 1.3 Method. Report (Primary)         | [Solid black bar]            |     |     |      |     |     |     |     |     |     |     |     |
| 1.3.1 Report Preparation (3)         | [Dotted bar from Dec to Mar] |     |     |      |     |     |     |     |     |     |     |     |
| 1.3.2 Reg. Review/Approval (2)       | [Dotted bar from Apr to May] |     |     |      |     |     |     |     |     |     |     |     |
| 2.0 Model Support/Development        | [Solid black bar]            |     |     |      |     |     |     |     |     |     |     |     |
| 2.1 Model Development Plan           | [Dotted bar from Oct to Dec] |     |     |      |     |     |     |     |     |     |     |     |
| 2.2 Sitewide Model Devel/Test        | [Dotted bar from Jan to Jul] |     |     |      |     |     |     |     |     |     |     |     |
| 2.3 Secondary Report Prep. (4)       | [Solid black bar]            |     |     |      |     |     |     |     |     |     |     |     |
| 3.0 Preliminary 100 Area RA          | [Solid black bar]            |     |     |      |     |     |     |     |     |     |     |     |
| 3.1 Contaminant Identification       | [Solid black bar]            |     |     |      |     |     |     |     |     |     |     |     |
| 3.2 Exposure Assessment              | [Solid black bar]            |     |     |      |     |     |     |     |     |     |     |     |
| 3.3 Toxicity Assessment              | [Solid black bar]            |     |     |      |     |     |     |     |     |     |     |     |
| 3.4 Risk Characterization            | [Solid black bar]            |     |     |      |     |     |     |     |     |     |     |     |
| 3.5 Secondary Report Prep. (4)       | [Solid black bar]            |     |     |      |     |     |     |     |     |     |     |     |
| <b>BACKGROUND DETERMINATION DOC.</b> | [Solid black bar]            |     |     |      |     |     |     |     |     |     |     |     |
| 1.0 Submit Soils Backgr. Plan        | [Solid black bar]            |     |     |      |     |     |     |     |     |     |     |     |
| 2.0 Submit Methodology Descrip       | [Solid black bar]            |     |     |      |     |     |     |     |     |     |     |     |
| 3.0 Submit Soils Study Report        | [Solid black bar]            |     |     |      |     |     |     |     |     |     |     |     |
| 4.0 Eval. Apt/Exist. GI Data         | [Solid black bar]            |     |     |      |     |     |     |     |     |     |     |     |
| <b>RIWER IMPACT STUDY</b>            | [Solid black bar]            |     |     |      |     |     |     |     |     |     |     |     |
| <b>CULTURAL RESOURCES INQUEST.</b>   | [Solid black bar]            |     |     |      |     |     |     |     |     |     |     |     |
| <b>ECOLOGICAL INVESTIGATIONS</b>     | [Solid black bar]            |     |     |      |     |     |     |     |     |     |     |     |
| <b>SHORELINE ACTIVITIES</b>          | [Solid black bar]            |     |     |      |     |     |     |     |     |     |     |     |

100 AREA WIDE ACTIVITIES 5 2 1 2 5 4

| Task Name                         | 1991              |               |               | 1992          |               |               |               |               |               |               |               |               |
|-----------------------------------|-------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|                                   | Oct               | Nov           | Dec           | Jan           | Feb           | Mar           | Apr           | May           | Jun           | Jul           | Aug           | Sep           |
| <b>AREA WIDE ACTIVITIES</b>       | [Solid black bar] |               |               |               |               |               |               |               |               |               |               |               |
| 100 AREA FEASIBILITY STUDY        | [Solid black bar] |               |               |               |               |               |               |               |               |               |               |               |
| 100 AREA RISK ASSESSMENT          | [Solid black bar] |               |               |               |               |               |               |               |               |               |               |               |
| BACKGROUND DETERMINATION DOC.     | [Solid black bar] |               |               |               |               |               |               |               |               |               |               |               |
| <b>RIVER IMPACT STUDY</b>         | [Solid black bar] |               |               |               |               |               |               |               |               |               |               |               |
| 1.0 Spring/Seep Sampling          | [Solid black bar] |               |               |               |               |               |               |               |               |               |               |               |
| 1.1 Sampling Activities           | [Hatched bar]     |               |               |               |               |               |               |               |               |               |               |               |
| 1.2 Laboratory Analysis           | [Hatched bar]     | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] |               |               |               |               |               |               |               |
| 1.3 Secondary Report Prep. (3)    | [Hatched bar]     | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] |               |               |               |               |               |               |               |
| 2.0 Cum. Health Eff. (Primary)    | [Solid black bar] |               |               |               |               |               |               |               |               |               |               |               |
| 2.1 Report Preparation (3)        | [Hatched bar]     | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] |
| 2.2 Reg. Review/Approval (2)      |                   |               |               |               |               |               |               |               | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] |
| 3.0 Aquifer/River Interaction     | [Solid black bar] |               |               |               |               |               |               |               |               |               |               |               |
| 3.1 Model Evaluation              | [Hatched bar]     | [Hatched bar] | [Hatched bar] |               |               |               |               |               |               |               |               |               |
| 3.2 Equip. Instal./Data Coll.     | [Hatched bar]     | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] |
| 3.3 Modeling                      |                   | [Hatched bar] |
| 3.4 Secondary Report Prep. (3)    |                   |               |               |               |               |               | [Hatched bar] |
| 4.0 Long Term Aq./River Inter.    |                   |               |               |               |               |               |               |               |               | [Hatched bar] | [Hatched bar] | [Hatched bar] |
| 4.1 Initial Planning              |                   |               |               |               |               |               |               |               |               | [Hatched bar] | [Hatched bar] | [Hatched bar] |
| 4.2 Equipment Installation        |                   |               |               |               |               |               |               |               |               | [Hatched bar] | [Hatched bar] | [Hatched bar] |
| 4.3 Monitoring & Analysis         |                   |               |               |               |               |               |               |               |               | [Hatched bar] | [Hatched bar] | [Hatched bar] |
| <b>CULTURAL RESOURCES INVEST.</b> | [Solid black bar] |               |               |               |               |               |               |               |               |               |               |               |
| 1.0 Reactor Area Field Surveys    | [Solid black bar] |               |               |               |               |               |               |               |               |               |               |               |
| 2.0 Inter-Reactor Field Survey    | [Hatched bar]     | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] |
| 3.0 Secondary Report Prep. (4)    |                   |               |               | [Hatched bar] |
| <b>ECOLOGICAL INVESTIGATIONS</b>  | [Solid black bar] |               |               |               |               |               |               |               |               |               |               |               |
| 1.0 Data Compilation/Synthesis    | [Hatched bar]     | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] |
| 2.0 Aquatic Sampling              | [Hatched bar]     | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] |
| 3.0 Terr./Rip. Survey/Sampling    | [Hatched bar]     | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] |
| 4.0 Threat/Endon. Sp. Assess.     | [Hatched bar]     | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] |
| 4.1 Field Activities              | [Hatched bar]     | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] |
| 4.2 Threat/End. Sp. Assess Rpt    |                   |               |               |               |               | [Hatched bar] |
| 5.0 Ecological Sum. Rpt. Prep.    |                   |               |               |               |               |               |               |               |               |               | [Hatched bar] | [Hatched bar] |
| <b>SHORELINE ACTIVITIES</b>       | [Solid black bar] |               |               |               |               |               |               |               |               |               |               |               |
| 1.0 Data Compilation              | [Hatched bar]     | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] |
| 2.0 Geologic Mapping              | [Hatched bar]     | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] |
| 3.0 Radiation Survey              | [Hatched bar]     | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] | [Hatched bar] |

| Task Name                       | 1991              |     |     | 1992              |               |     |               |     |     |     |     |               |
|---------------------------------|-------------------|-----|-----|-------------------|---------------|-----|---------------|-----|-----|-----|-----|---------------|
|                                 | Oct               | Nov | Dec | Jan               | Feb           | Mar | Apr           | May | Jun | Jul | Aug | Sep           |
| <b>REMEDIAL INVESTIGATION</b>   | [Solid black bar] |     |     |                   |               |     |               |     |     |     |     |               |
| Task 2-Source Investigations    | [Solid black bar] |     |     |                   |               |     |               |     |     |     |     |               |
| 2.1 Data Compilation            | [Solid black bar] |     |     |                   |               |     |               |     |     |     |     |               |
| 2.2 Topographic Mapping         | [Solid black bar] |     |     |                   |               |     |               |     |     |     |     |               |
| 2.3 Field Activities            | [Solid black bar] |     |     |                   |               |     |               |     |     |     |     |               |
| 2.3.1 Surface Radiation Survey  | [Solid black bar] |     |     |                   |               |     |               |     |     |     |     |               |
| 2.3.2 Septic Tank Samp/Analysis | [Solid black bar] |     |     |                   |               |     |               |     |     |     |     |               |
| 1607-H2 Septic Tank Analysis    | [Hatched bar]     |     |     | [Solid black bar] |               |     |               |     |     |     |     |               |
| 1607-H4 Septic Tank Analysis    | [Solid black bar] |     |     |                   |               |     | [Hatched bar] |     |     |     |     |               |
| 2.3.3 Pipeline Assessment       | [Hatched bar]     |     |     | [Solid black bar] |               |     |               |     |     |     |     |               |
| 2.3.4 Geophysical Surveys       | [Solid black bar] |     |     |                   |               |     |               |     |     |     |     |               |
| 2.3.5 Sample Elect. Facilities  | [Hatched bar]     |     |     | [Solid black bar] |               |     |               |     |     |     |     |               |
| 2.3.6 Elect. Facility Analysis  | [Hatched bar]     |     |     | [Solid black bar] |               |     |               |     |     |     |     |               |
| 2.4 Data Evaluation             | [Solid black bar] |     |     | [Solid black bar] |               |     |               |     |     |     |     |               |
| Task 5-Udosed Investigation     | [Solid black bar] |     |     |                   |               |     |               |     |     |     |     |               |
| 5.1 Data Compilation            | [Hatched bar]     |     |     | [Solid black bar] |               |     |               |     |     |     |     |               |
| 5.2 Field Activities            | [Solid black bar] |     |     |                   |               |     |               |     |     |     |     |               |
| 5.2.1 Mobilization              | [Solid black bar] |     |     |                   | [Hatched bar] |     |               |     |     |     |     |               |
| 5.2.2 Drilling/Sampling         | [Solid black bar] |     |     |                   |               |     |               |     |     |     |     |               |
| 5.2.2.1 Borings                 | [Solid black bar] |     |     |                   |               |     |               |     |     |     |     |               |
| 116-H-2 Trench                  | [Solid black bar] |     |     |                   |               |     | [Hatched bar] |     |     |     |     |               |
| 116-H-3 French Drain            | [Solid black bar] |     |     |                   |               |     | [Hatched bar] |     |     |     |     |               |
| 116-H-9 Seal Pit Crib           | [Solid black bar] |     |     |                   |               |     | [Hatched bar] |     |     |     |     |               |
| 116-H-7 Retention Basin BN 3    | [Solid black bar] |     |     |                   |               |     | [Hatched bar] |     |     |     |     |               |
| 116-H-1 Trench                  | [Solid black bar] |     |     |                   |               |     | [Hatched bar] |     |     |     |     |               |
| 5.2.3 Air Monitoring            | [Solid black bar] |     |     |                   |               |     | [Hatched bar] |     |     |     |     |               |
| 5.2.4 Cuttings Store/Dispose    | [Solid black bar] |     |     |                   |               |     | [Hatched bar] |     |     |     |     |               |
| 5.2.5 Borehole Abandonment      | [Solid black bar] |     |     |                   |               |     | [Hatched bar] |     |     |     |     |               |
| 5.2.6 Sample Analysis           | [Solid black bar] |     |     |                   |               |     |               |     |     |     |     |               |
| 5.2.7 Data Validation           | [Solid black bar] |     |     |                   |               |     |               |     |     |     |     | [Hatched bar] |
| 5.2.8 Data Evaluation           | [Solid black bar] |     |     |                   |               |     |               |     |     |     |     | [Hatched bar] |
| Task 10-Data Evaluation         | [Solid black bar] |     |     | [Solid black bar] |               |     |               |     |     |     |     |               |
| Task 13-RI REPORT               | [Solid black bar] |     |     |                   |               |     |               |     |     |     |     |               |
| <b>FERTILITY STUDY</b>          | [Solid black bar] |     |     |                   |               |     |               |     |     |     |     |               |
| <b>IRM PLAN</b>                 | [Solid black bar] |     |     |                   |               |     |               |     |     |     |     |               |
| <b>INTERIM ROD</b>              | [Solid black bar] |     |     |                   |               |     |               |     |     |     |     |               |

100-HR-1 TASKS, JULY 1992

Task 1, Project Management

-On Going

Task 2, Source Investigation

- Data Compilation, Completed (Dec 91)
- Topographic Mapping, Completed (Aug 91)
- Site Walkover, to be completed Spring-Summer 1992
- Surface Radiation Survey, Completed (Oct 91)
- Geophysical Survey-Completed (June 91)
- Septic Tanks, To be completed August 3, 1992.
- Pipeline Assessment- Completed (Jan 92)
- Electrical Facilities, Completed Sampling Dec 91

Task 3, Geological Investigation

-Performed as part of 100-HR-3

Task 4, Surface Water and Sediment Investigation

-Performed as part of 100-HR-3

Task 5, Vadose Zone Investigation

- Drilling started on 26 Feb 1992
- Drilling completed on 13 Mar 1992
- 5 Boreholes Completed
  - 116-H-1 (Disposal Trench)
  - 116-H-2 (Disposal Trench)
  - 116-H-3 (French Drain)
  - 116-H-7 (Retention Basin)
  - 116-H-9 (Seal Pit Crib)

Task 6, Groundwater Investigation

-Performed as part of 100-HR-3

Task 7, Air Investigation

-Activity being performed as routine health and safety air monitoring in support of investigation activities.

Task 8, Ecological Investigation

-Performed as part of 100-HR-3

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| 100-HR-1 DOW Schedule,         |  | 3/20/92                          |                                      |                             |
|--------------------------------|--|----------------------------------|--------------------------------------|-----------------------------|
| Title & Document Number of DOW |  | One Week DOE-RL review starting: | Two week Regulatory review starting: | Sampling Activity starting: |
| 1                              | 100-H & 100-B Area Electrical Facilities Source Sampling, WHC-SD-EN-AP-064, Rev. 1 | Completed                        | Completed                            | December 9, 1991            |
| 2                              | Description of Work for the 100-HR-1 Source Operable Unit, WHC-SD-EN-AP-066        | Completed                        | Completed                            | February 26, 1992           |
| 3                              | 1607-H4 Septic Tank Sampling (DOW in review)                                       | Approx. June 1992                | Approx. July 1992                    | Approx. Aug 3, 1992         |
| 4                              |  |                                  |                                      |                             |
| 5                              |  |                                  |                                      |                             |

## 100-HR-1 DOCUMENTS

- o 100-HR-1 GEOPHYSICAL SURVEYS WHC-MR-0263
- o 100-HR-1 RADIOLOGICAL SURVEYS WHC-MR-0275
- o Engineering Report for H Area Process WHC-SD-NR-ER-092  
Effluent Line Examination

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| Task Name                     | 1991   |     |     | 1992 |     |     |     |     |     |     |     |     |
|-------------------------------|--|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|
|                               | Oct  | Nov | Dec | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| <b>REMEDIAL INVESTIGATION</b> | <b>REMEDIAL INVESTIGATION</b>                          |     |     |      |     |     |     |     |     |     |     |     |
| Task 3 Geologic Investigation | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| 3.1 Data Compilation          | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| 3.2 Geologic Mapping          | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| Task 5 Vadose Investigation   | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| 5.1 Data Compilation          | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| Task 6 Groundwater Investig.  | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| 6.1 Data Compilation          | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| 6.2 Field Activities          | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| 6.2.1 Fitness for Use Survey  | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| 6.2.2 Well Installation       | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| Well D-8                      | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| Well D-9                      | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| Well D-10                     | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| Well D-11                     | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| Well D-12                     | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| Well D-13                     | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| Well D-14                     | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| Well D-15                     | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| Well D-16                     | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| Well D-17                     | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| Well D-18                     | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| Well D-19                     | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| Well H-1                      | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| Well H-2                      | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| Well H-3                      | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| Well H-4                      | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| Well H-5                      | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| Well H-6                      | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| Well H-7                      | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| Well 600-3                    | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| Well 600-2                    | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| Well 600-1                    | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| 6.2.3 Water Level Measurement | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| 6.2.4 Air Monitoring          | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| 6.2.5 Groundwater/Soil Sampl. | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| 6.3 Laboratory Analysis       | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| 6.4 Data Validation           | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| 6.5 Data Evaluation           | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| 6.6 Quarterly Monitoring      | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| Task 13 - RI REPORT           | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| <b>FEASIBILITY STUDY</b>      | <b>FEASIBILITY STUDY</b>                               |     |     |      |     |     |     |     |     |     |     |     |
| IRM PLAN                      | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |
| INTERIM ROD                   | [Bar chart showing activity from Oct 1991 to Dec 1991] |     |     |      |     |     |     |     |     |     |     |     |

100 HR-3 GROUNDWATER OPERABLE UNIT  
WORK SUMMARY 7/21/92

TASK 3 - GEOLOGIC INVESTIGATION

*Data Compilation* - WHC released a report titled, "Geologic Information Summary for the Northern Portion of the Hanford Site". A Geologic Map should be completed in June, 1992.

TASK 5 - VADOSE INVESTIGATION

*Data Compilation* - WHC released a report titled, "Hydrologic and Geologic Data Available for the Region North of Gable Mountain".

TASK 6 - GROUNDWATER INVESTIGATION

*Data Compilation* - WHC plans to release a report titled, "Hydrologic Information Summary for the Region North of Gable Mountain" in August, 1992.

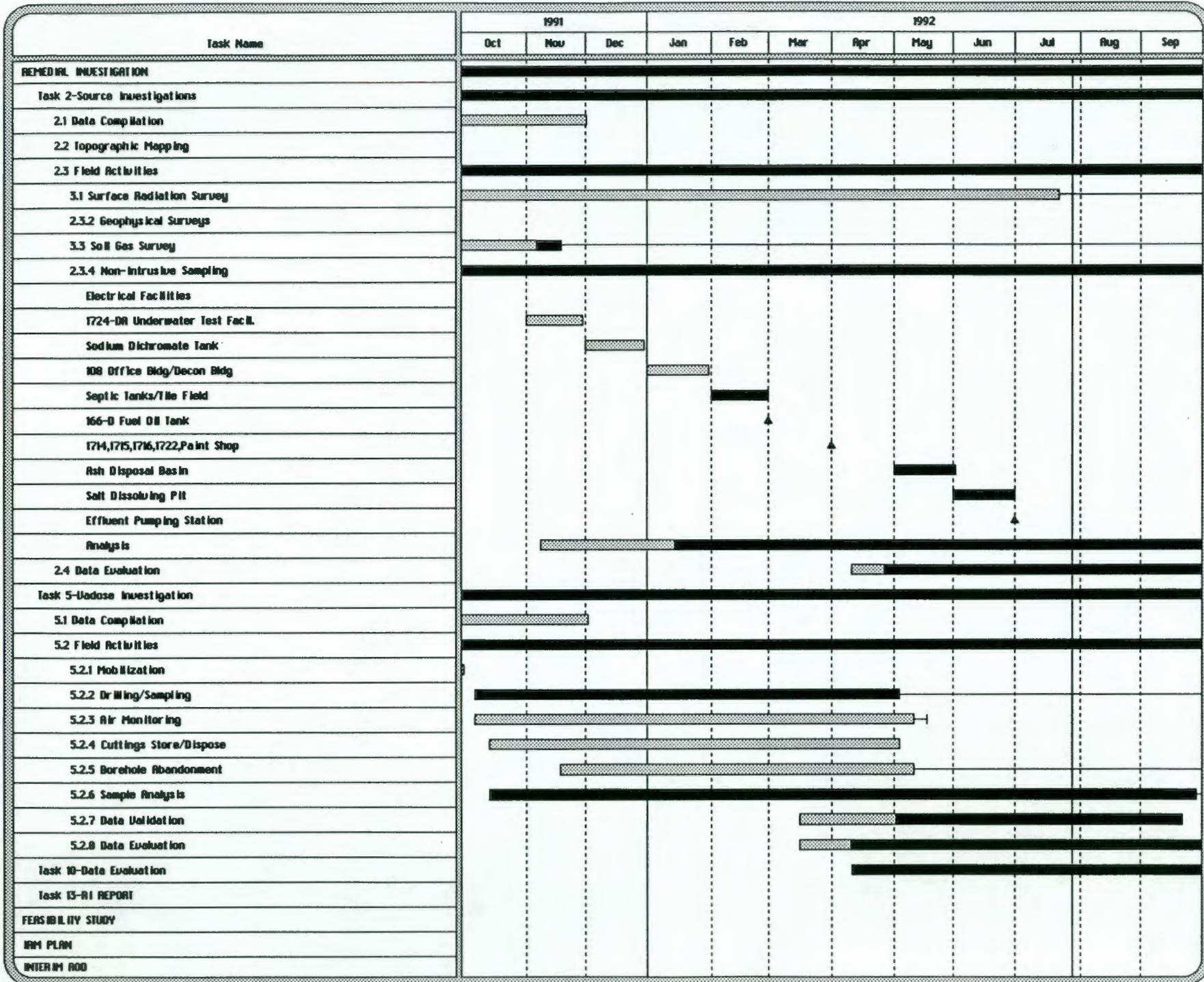
*Quarterly Monitoring* - One round of groundwater samples has been taken. The second round will be taken in late July/early August.

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**UNIT MANAGER'S MEETING  
100-DR-1 OU  
July 22-23, 1992  
Room 47, 450 Hills**

**Presenter - N. M. (Naik) Naiknimbalkar**

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## 100-DR-1 Remedial Investigation

| TASK NO.   | ACTIVITY  | STATUS                  |
|------------|---|-------------------------|
| Task 2     | SOURCE INVESTIGATION  |                         |
| Task 2.1   | DATA COMPILATION  | COMPLETED DECEMBER 1992 |
| Task 2.2   | TOPOGRAPHIC MAPS  | COMPLETED AUGUST 1991   |
| Task 2.3.1 | SURFACE RADIATION SURVEY  | COMPLETED APRIL 1992    |
|            | SITES: 100-DR-1 Area<br>with the exception of<br>Controlled Zones.  |                         |
| Task 2.3.2 | GEOPHYSICAL SURVEY  | COMPLETED MAY 1991      |
|            | SITES: 116-D-2 Pluto Crib<br>Waste Acid Disposal Reservoir<br>1607-D4 Septic Tank<br>Questionable Septic Tank<br>(Routine surveys were conducted to<br>locate drill hole sites & non-intrusive<br>sites). |                         |
| Task 2.3   | Soil Gas Surveys  | See Table 1.            |

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Task 2.3.3

Table 1  
100-DR-1 Operable Unit Soil Gas Surveys  
Activity Completion Dates

| Site Name             | Probes Installed     | Screened for Total VOC* | Sampled             | Analyzed            | Results Validated |
|-----------------------|----------------------|-------------------------|---------------------|---------------------|-------------------|
| 1713-D                | 08-07-91             | 08-16-91                | 09-10-91            | 09-12-91            | 12-15-91          |
| 1714-D                | 07-24-91             | 08-16-91                | 09-09-91            | 09-10-91            | 12-15-91          |
| 1715-D                | 07-24-91             | 08-16-91                | 09-09-91            | 09-10-91            | 12-15-91          |
| 1716-D                | 08-06-91             | 08-16-91                | 09-05-91            | 09-07-91            | 12-15-91          |
| 1722-D                | 08-07-91             | 08-16-91                | 09-10-91            | 09-12-91            | 12-15-91          |
| Paint Shop Near 182-D | 08-30-91<br>06-15-92 | Did Not Screen for VOC  | 09-09-91<br>6-24-92 | 09-10-91<br>6-24-92 | 12-15-91          |
| 184-DA UST            | 08-06-91             | 08-16-91                | 09-09-91            | 09-10-91            | 12-15-91          |
| 166-D Tank and Piping | 08-01-91             | 08-16-91                | 09-11-91            | 09-13-91            | 12-15-91          |
| 103-D                 | 01-30-92             | 02-03-92                | 02-06-92            | 02-07-92            |                   |
| 1607-D4 Septic Tank   | 02-20-92             | 02-26-92                | 02-26-92            | 02-28-92            |                   |
| Burial Ground 4A      | 02-25-92             | 02-26-92                | 02-26-92            | 02-28-92            |                   |
| Burial Ground 4B      | 02-07-92             | 02-11-92                | 02-11-92            | 02-13-92            | 02-14-92          |
| Burial Ground 18      | 01-23-92             | 01-28-92                | 02-19-92            | 02-21-92            |                   |
| 126-D-2 Landfill      | 11-25-91             | 12-17-91                | 06-24-92            | 06-24-92            |                   |

VOC\* - Volatile Organic Compounds

Task 2.3.4 Non-Intrusive

See Table 2

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## Task 2.3.4

Table 2  
Non-Intrusive

| OPER. UNIT | SAMPL ES | SAMPLING ACTIVITY                | BEGINNING SAMPLING DATE | ENDING SAMPLING DATE | DATE DATA IS DUE FROM THE LAB. | VALIDATION COMPLETION DATE | REPORT MILESTONE DATE |
|------------|----------|----------------------------------|-------------------------|----------------------|--------------------------------|----------------------------|-----------------------|
| 100-DR-1   | 3        | 1724-DA Underwater Test Facility | 10/16/91                | 10/16/91             | 3/16/92                        | 4/6/92                     | 6/30/92               |
|            | 5        | Sodium Dichromate Tank           | 1/16/92                 | 1/16/92              | 6/16/92                        | 7/6/92                     | 8/30/92               |
|            | 5        | 108-D Office Bldg/Dec on Bldg    | 5/1/92                  | 5/1/92               | 10/1/92                        | 10/22/92                   | 11/30/92              |
|            | 5        | Septic Tank/ Tile Field          | 5/1/92<br>9/15/92       | 5/1/92<br>9/15/92    | 10/1/92<br>1/1/93              | 10/22/92<br>1/22/93        | 11/30/92<br>2/28/93   |
|            | 5        | Ash Disposal Basin               | 9/15/92                 | 9/15/92              | 2/1/93                         | 2/22/93                    | 3/30/93               |
|            | 6        | Salt Dissolving Basin            | 9/15/92                 | 9/15/92              | 2/1/93                         | 2/22/93                    | 3/30/93               |
|            | 5        | 103-D Green Metal Storage        | 9/15/92                 | 9/15/92              | 2/1/93                         | 2/22/93                    | 3/30/93               |
| 100-DR-1   | 25       | Electrical Facilities*           | 9/11/91                 | 9/11/91              | 2/11/92                        | 3/1/92                     | 5/1/92                |

\*

## Electrical Facilities Locations:

183-D (C4-S3), 185-D (C4-S11), 189-D (C4-S10), 190-D (E4-S9), 105-D (E4-S2), 151-D (A4), 190-DR (E4-S12/E4-S13), 181-D (C4-S1), 186-D (C4-S12), 105-DR (E4-S11), 190-D (C4-S13) and Pole East of D-Area along perimeter road.

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Descriptions Of Work (DOW's): See Table 3

Table 3  
Descriptions Of Work

| DOW                                      | One Week<br>DOE-RL<br>Review<br>Starting: | Two Week<br>Regulatory<br>Review<br>starting: | Sampling<br>Activity<br>Starting: |
|--|---|---|-----------------------------------|
| 108 Office Building                      | 3-04-92                                   | 3-18-92                                       | 5-27-92                           |
| Septic Tanks/Tile<br>Fields              | 3-04-92/8-<br>3-92                        | 3-18-92/8-17-92                               | 5-27-92/9-15-<br>92               |
| Ash Disposal Basin                       | 8-3-92                                    | 8-17-92                                       | 9-15-92                           |
| 100-D Salt<br>Dissolving Pit             | 8-3-92                                    | 8-17-92                                       | 9-15-92                           |
| 103-D Green Metal<br>Storage<br>Building | 8-3-92                                    | 8-17-92                                       | 9-15-92                           |

Task 2.4 Data Evaluation

Task 3 Geological Investigation  
-Performed as part of 100-HR-3

Task 4 Surface Water and Sediment Investigation  
-Performed as part of 100 Area wide task

Task 5 Vadose Investigation

Task 5.1 Data Compilation

Completed December 1991

Task 5.2 Field Activities

Task 5.2.1 Mobilization

Completed

Task 5.2.2 Drilling/Sampling

Completed

Task 5.2.3 Air Monitoring

Continued as planned

Task 5.2.4 Cuttings Store/

Continued as planned

Task 5.2.5 Borehole Abandonment

Continued as planned

Task 5.2.6 Sample Analysis

Continued as planned

Task 5.2.7 Data Validation

Task 5.2.8 Data Evaluation

Report List for 100-DR-1 See Table 4

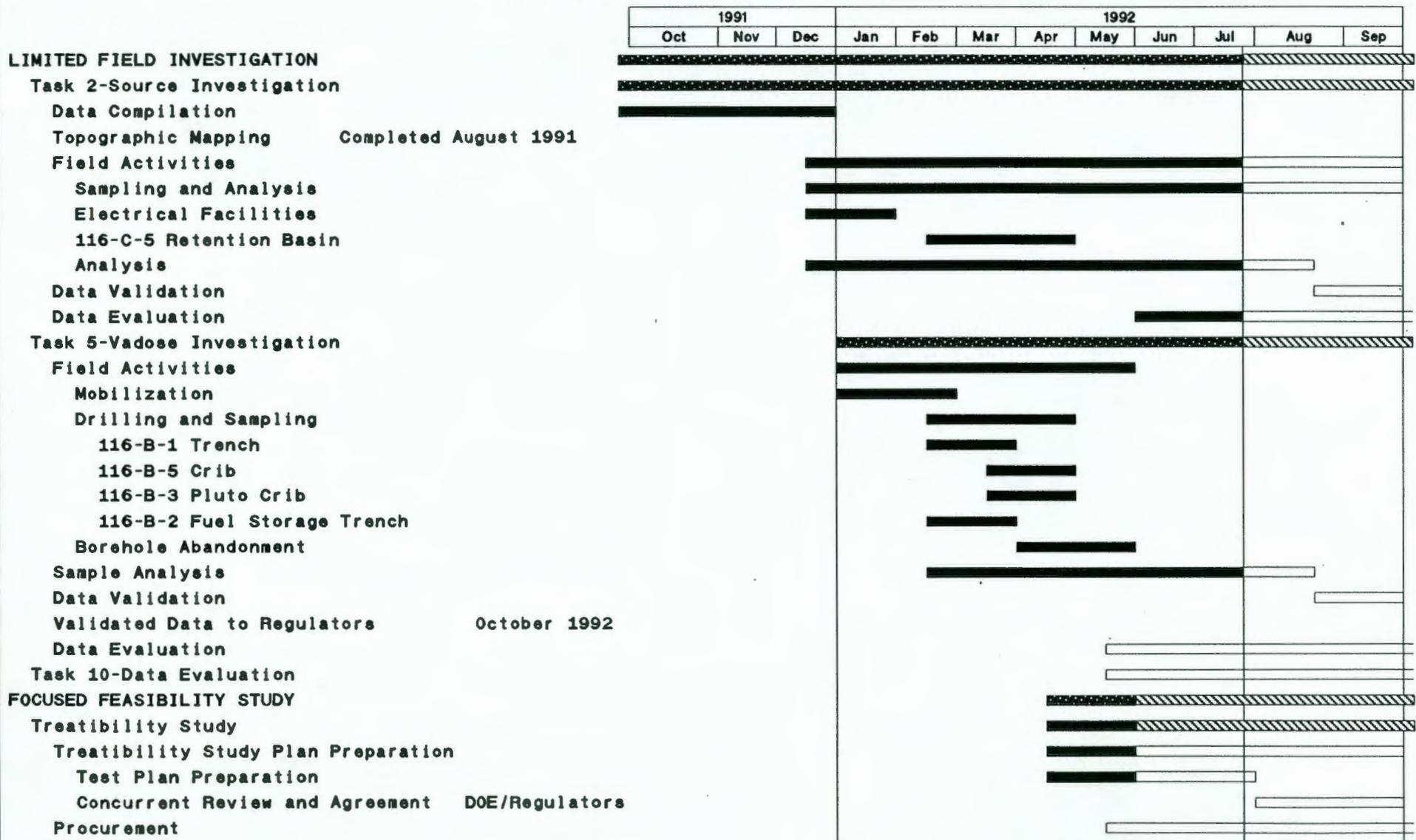
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Table 4

| Report List for 100-DR-1   |
|--|
| WHC-SD-EN-DP-015, Summary Report Source Data Compilation for 100-HR-3 Operable Unit                    |
| WHC-SD-EN-AP-067. 100-DR-1 Area Nonintrusive Source Investigation Activities, December 26, 1991.       |
| WHC-SD-EN-AP-067. Rev. 1, 100-DR-1 Area Nonintrusive Source Investigation Activities. (TBI).           |
| WHC-SD-EN-AP-061, Rev.1. Description of Work for the 100-DR-1 Source Operable Unit. November 12, 1991. |
| WHC-SD-EN-AP-061, Rev.0. Description of Work for the 100-DR-1 Source Operable Unit. October 11, 1991.  |
| WHC-MR-0257, 100-DR-1, Geophysical Surveys. May 1991.  |

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### 100-BC-1 OPERABLE UNIT



Data Date  
24Jul92

Summary [diagonal lines]  
Progress [solid black]

100-BC-1 SOURCE OPERABLE UNIT WORK SUMMARY  
July 24, 1992

Task 2 - Source Investigation:

Source Data Compilation: Activity completed February, 1992. Identified documents are in the process of being cleared for external distribution.

Topographic Mapping: Activity completed August, 1991.

Field Activities:

Electrical Facility Sampling: Activity completed December, 1991.

116-C-5 Retention Basin Sampling: Activity completed April 28, 1992.

Task 5 - Vadose Investigation:

See attached table for specific vadose information.

Vadose Drilling: Activity completed April, 1992.

Vadose Test Pit: Activity completed June, 1992.

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| 100-BC-1 Vadose Investigation Summary |             |                          |          |                                     |                   |
|---------------------------------------|-------------|--------------------------|----------|-------------------------------------|-------------------|
| Location                              | Total Depth | # of Samples             | Logging  | Highest Rad & Depth (Ludlum)        | Start/Finish Date |
| 116-B-1 Borehole                      | 28 feet     | 4 Chemical<br>2 Physical | Spectral | 14,000 cpm<br>(200 cpm GM)<br>17-19 | 3/19 - 3/26       |
| 116-B-2 Borehole                      | 23 feet     | 4 Chemical               | Spectral | 8,000 cpm<br>(750 cpm GM)<br>12-14  | 3/19 - 3/30       |
| 116-B-3 Borehole                      | 20 feet     | 3 Chemical               | Spectral | 8,000 cpm<br>(400 cpm GM)<br>6-7    | 4/2 - 4/8         |
| 116-B-5 Borehole                      | 25 feet     | 3 Chemical               | Spectral | 2,000 cpm                           | 4/13 - 4/22       |
| Retention Basin Test Pit              | 20 feet     | 7 Chemical               | N/A      |                                     | 6/10              |

# 100-BC-5 OPERABLE UNIT

| 1991 |     |     | 1992 |     |     |     |     |     |     |     |     |
|------|-----|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|
| Oct  | Nov | Dec | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |

**LIMITED FIELD INVESTIGATION**

Task 3-Geologic Investigation  
Data Compilation

Task 5-Vadose Investigations  
Data Compilation

Task 6-Groundwater investigations  
Data Compilation  
Field Activities  
Evaluate Existing Wells  
Well Installation

Well BC-1 199-B3-46

Well BC-2 199-B3-47

Well BC-2A 199-B2-12

Well BC-3 199-B2-13

Well BC-4 199-B4-8

Well BC-5 199-B4-9

Well BC-6 199-B9-2

Well BC-7 199-B9-3

Well BC-8 199-B8-6

Well BC-9 199-B5-2

Groundwater Soil Samples

Laboratory Analysis

Data Validation

Validated Data to Regulators

Data Evaluation

LFJ REPORT (Issue as secondary doc)

FOCUSED FEASIBILITY STUDY

IRM PROPOSED PLAN (Issue as Primary Document)

Date Date  
29 Jul 92

Summary Task  Progress   
Detail Task  Milestone

9 2 1 2 6 5 2 1 2 7 2

# 100-KR-4 OPERABLE UNIT

| 1992 |     |     |     |     |     |     | 1993 |     |     |     |     |     |
|------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|
| May  | Jun | Jul | Aug | Sep | Oct | Nov | Dec  | Jan | Feb | Mar | Apr | May |

**LIMITED FIELD INVESTIGATION**



**TASK 3 - GEOLOGIC INVESTIGATION** Task Complete

DATA COMPILATION

**TASK 5 VADOSE INVESTIGATION** Task Complete

DATA COMPILATION

**TASK 6 GROUNDWATER INVESTIGATION**



DATA COMPILATION Complete

FIELD ACTIVITIES



EVALUATE EXISTING WELLS Complete

WELL INSTALLATION



WELL K-1 199-K-32A



WELL K-2 199-K-32B



WELL K-3 199-K-33



WELL K-4 199-K-34



WELL K-5 199-K-35



WELL K-6 199-K-36



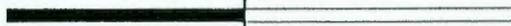
WELL K-7 199-K-37



GROUNDWATER/SOIL SAMPLES



LABORATORY ANALYSIS



DATA VALIDATION



1ST QUARTERLY MONITORING



GROUNDWATER SAMPLING



LABORATORY ANALYSIS



|             |  |          |  |
|-------------|--|----------|--|
| Summary     |  | Target   |  |
| Detail Task |  | Progress |  |

Data Date  
29Jul

**100-KR-4 DRILLING STATUS**

| WELL NUMBER | START DATE | COMPLETION DATE | CURRENT DEPTH | INST. READINGS | SCREEN INSTALLED |
|-------------|------------|-----------------|---------------|----------------|------------------|
| 199-K-37    | 5/4/92     | 5/26/92         | TD 70 ft      | N/A            | 6/23/92          |
| 199-K-32A   | 6/8/92     | 6/16/92         | TD 70 ft      | N/A            | 7/21/92          |
| 199-K-32B   | 5/4/92     | 6/5/92          | TD 175 ft     | H*             |                  |
| 199-K-33    | 6/19/92    | 6/29/92         | TD 66 ft      | N/A            |                  |
| 199-K-34    | 5/29/92    | 6/17/92         | TD 89 ft      | N/A            |                  |
| 199-K-35    | 6/23/92    | 7/15/92         | TD 116 ft     | H*             |                  |
| 199-K-36    | 7/20/92    |                 | 23 ft         | H*             |                  |

**100-NR-2 DRILLING STATUS**

| WELL NUMBER | START DATE | COMPLETION DATE | CURRENT DEPTH | INST. READINGS | SCREEN INSTALLED |
|-------------|------------|-----------------|---------------|----------------|------------------|
| 199-N-80    | 7/10/92    |                 | 66 ft         | N/A            |                  |

9 2 1 2 6 6 2 1 2 7 3

N-AREA SOIL GAS SURVEY  
7/92 UPDATE

START DATE: 6/92

PROJECTED COMPLETION DATE:

SURVEY: 8/92

REPORT: 9/92

AREA:

MAIN FUEL OIL UNLOADING STATION  
DIESEL OIL UNLOADING STATION  
OUTLET OF EACH 166-N STORAGE TANK  
UN-100-N-17 SITE

HGP BURN PIT (INCLUDES SCREENING FOR METALS)  
128-N-1 BURN PIT (INCLUDES SCREENING FOR METALS)

AREA COMPLETED AS OF JUNE 22, 1992: NONE (ACTIVITY TO DATE CONFINED TO  
ACQUISITION OF EQUIPMENT,  
SUPPLIES, AND PERMITS IN  
ADDITION TO A SITE WALK-OVER)

AREAS ABOVE BACKGROUND FOUND: NONE

PROBLEMS: NONE

92126621274

N-AREA SURFACE RADIATION SURVEY  
7/92 UPDATE

START DATE: 4/92

PROJECTED COMPLETION DATE:

SURVEY: 9/92

REPORT: FY 1993

AREA:

AREA SURVEY: @ 227 acres

ROAD SURVEY: @ 200 acres

TOTAL AREA: @ 427 acres

AREA COMPLETED AS OF JULY 20, 1992: @ 166 acres

AREAS ABOVE BACKGROUND FOUND: NONE

PROBLEMS: A) EQUIPMENT MODIFICATION

B) MECHANICAL AVAILABILITY

CAN STILL MEET SCHEDULE

92126621275

**UNIT MANAGERS MEETING  
(7/29 & 30, 1992)**

100-FR-1

Task 2--Source Investigation: 132-F-1 Chronic Feeding Barn

Sampling completed

100-KR-1

Task 5--Vadose Investigation: Test pits 116-KW-3B, 116-KW-3C, 116-KE-4B  
and 116-KE-4C

It appears that there is a POSSIBILITY that funds can be located from  
underruns of other projects to allow excavation of these test pits  
during FY 1992. Planning is proceeding in anticipation of this  
possibility.

9 2 1 2 6 5 2 1 2 7 6

7/20/92

| 100-KR-1 DOW Schedule,         |   |                                  |                                      |                             |
|--------------------------------|---|----------------------------------|--------------------------------------|-----------------------------|
| Title & Document Number of DOW |   | One Week DOE-RL review starting: | Two week Regulatory review starting: | Sampling Activity starting: |
| 1                              | Vadose Drilling & Trenching, WHC-SD-EN-AP-083 | June 29, 1992                    | July 9, 1992                         | December 15, 1992           |

| 100-FR-1 DOW Schedule,         |   |                                  |                                      |                             |
|--------------------------------|---|----------------------------------|--------------------------------------|-----------------------------|
| Title & Document Number of DOW |   | One Week DOE-RL review starting: | Two week Regulatory review starting: | Sampling Activity starting: |
| 1                              | Source Investigations, WHC-SD-EN-AP-094 | May 18, 1992                     | June 1, 1992                         | July 14, 1992               |
| 2                              | Vadose Investigations, WHC-SD-EN-AP-091 | August 3, 1992                   | August 17, 1992                      | March 15, 1993              |

| 100-NR-1 DOW Schedule,         |  |                                  |                                      |                             |
|--------------------------------|--|----------------------------------|--------------------------------------|-----------------------------|
| Title & Document Number of DOW |  | One Week DOE-RL review starting: | Two week Regulatory review starting: | Sampling Activity starting: |
| 1                              | NR-1 Vadose Drilling and Trenching, WHC-SD-EN-AP-084 | July 27, 1992                    | August 10, 1992                      | December 15, 1992           |

From: Kevin Kytola  
H4-55  
372-1662

To: Distribution

Date: July 17, 1992

Subject: Entrance requirements for exclusion zones in hazardous waste/radioactive sites.

It was recommended at the June 24, 1992 Unit Managers Meeting that a list of requirements for entrance into exclusion zones at hazardous waste and radioactive sites within the Hanford Reservation be provided for the Department of Ecology and EPA field representatives. The attached list explains the training, medical and safety requirements that are a minimum.

The 40 hour hazardous waste training can be obtained from any accredited source. Radiation training information can be obtained by contacting Sue Wilcox at 376-4206. Fire extinguisher training information can be obtained by contacting Vivian Knight at 373-4186. This training consists of a short video tape. The physical examination, mask fit and whole body counts can be obtained at the Hanford Environmental Health Foundation.

Site specific equipment and training requirements may be available in the Hazardous Waste Operations Permit (HWOP) and Radiation Work Permit (RWP) documents for the specific field activity. Area specific training is also required for some of the areas on the Hanford Reservation. For information regarding area specific training, contact Kerry Adamson at 373-1307.

It is anticipated that this information will allow all personnel to access the information necessary to obtain the required training/equipment for field activities at the Hanford Reservation.

cc: Bob Hobbs; Environmental Field Services  
Dick Beutler; Training Coordinator  
Bob Henkel; Manager

9 2 1 2 6 5 2 1 2 7 8

GENERAL REQUIREMENTS TO ENTER EXCLUSION ZONES  
AT HAZARDOUS WASTE/RADIOACTIVE SITES  
WITHIN THE HANFORD RESERVATION

TRAINING AND MEDICAL REQUIREMENTS

1. 40/8 hour haz. waste training/refreshers
2. Radiation training
3. Annual physical
4. Mask fit
5. Whole body count
6. Fire extinguisher training
7. Training that may be required depending on site:
  - a. Hearing conservation
  - b. SKA-PAK training
  - c. Chest count
  - d. Confined space
  - e. Area specific training

GENERALLY REQUIRED EQUIPMENT

1. Hard hat
2. Safety glasses
3. Steel-toed boots (leather)
4. Additional equipment needed will be site specific and should be provided at the site

9 2 1 2 6 6 2 1 2 7 9

## HAZARDOUS WASTE WORKER STATUS REPORT

NAME: PR.NO.

**BASIC TRAINING AND MEDICAL REQUIREMENTS**

Record first expiration date from basic training and medical information below.

First Expiration Date

**EXPIRATION:**

40/8 HOUR HAZ. WASTE TRAINING/REFRESHER:

24/8 HOUR HAZ. WASTE TRAINING/REFRESHER:

(Visitor Training)

**EXPIRATION:****EXPIRATION:**

HEARING CONSERVATION:

ANNUAL PHYSICAL:

RADIATION TRAINING:

MASK FIT:

SKA-PAK TRAINING:

CHEST COUNT:

CPR:

WHOLE BODY COUNT:

24 HOUR On-The-Job TRAINING:

(Date Completed/Initial Training Only)

**ADDITIONAL TRAINING REQUIREMENTS****EXPIRATION:****EXPIRATION:**

WASH. ST DRILLER'S LIC. NO:

FIRST AID:

CONFINED SPACE:

SCBA TRAINING:

MSA 260 TRAINING:

FIRE WATCH:

FIRE EXTINGUISHER TRAINING:

ASBESTOS TRAINING:

GENERATOR HAZARDS:

OTHER:

8 HOUR HAZ. WASTE  
SUPERVISOR TRAINING:

(Date Completed/Initial Training Only)

**BIOASSAY REQUIREMENTS****LAST SAMPLE:****LAST SAMPLE:**

STRONTIUM 90:

PLUTONIUM 239:

URANIUM:

TRITIUM:

The Employee named above is medically cleared to perform hazardous waste work. The required training has been verified as complete and the employee is qualified to perform work on a hazardous waste site.

If there are changes that affect the status of either the medical clearance or the training certification during the duration of the work (such as medical restrictions or expired training), the employee's cognizant manager will be notified.

Verified By: \_\_\_\_\_

May 28, 1992

Date: \_\_\_\_\_

92126621280

## 100 NPL Agreement/Change Control Form

|  |  |   |
|--|--|---|
| Control Number<br><b>25</b>  | <input type="checkbox"/> Change <input type="checkbox"/> Agreement <input checked="" type="checkbox"/> Information<br>Operable Unit(s) <u>100-DR-1</u> | Date Submitted: <b>07-21-92</b><br>Date Approved: |
| Document Number & Title:<br>DOE/RL-89-09, Draft D, RCRA Facility Investigation/Corrective Measures Study Work Plan for the 100-DR-1 Operable Unit, Hanford Site, Richland, Washington.   |  | Date Document Last Issued:<br>April 1992          |
| Originator:<br><b>N.M. Naiknimbalkar</b>   |  | Phone:<br><b>376-8739</b>                         |
| Summary Description:<br>The 132-D-3 Effluent Pumping Station. Elimination from 100-DR-1 work plan schedule and DOW list for nonintrusive sites.  |  |   |
| Justification and Impact of Change: 132-D-3 Effluent Pumping Station is considered a high priority liquid waste disposal facility. The work plan required one borehole which was drilled on 2/19-20/92. Samples were collected and sent to the laboratory for analysis.<br><br>The earlier work plans, Draft A (October 1989) & Draft B (August 1990) required a shallow boring for this site. These work plans recommended that after the nature of the contaminants is defined, the boring should be deepened.<br><br>During the rescoping of the work plan, Draft C (September 1991), the 132-D-3 effluent pumping station site was included in the high priority site category. Inadvertently this site was also included in the surface sampling work plan schedule.<br><br>The sampling requirements for this site have been met by the vadose drilling and therefore this site will be eliminated from the 100-DR-1 surface sampling schedule and DOW list. |  |   |
| <u>N.M. Naiknimbalkar</u> <i>N.M. Naiknimbalkar</i><br>WHC Operable Unit Coordinator   |  | <u>7/21/92</u><br>Date                            |
| <u>E.D. Goller</u> <i>E.D. Goller</i><br>DOE Unit Manager  |  | <u>7/21/92</u><br>Date                            |
| <u>D. Teel</u> <i>D. Teel</i><br>Lead Regulatory Unit Manager  |  | <u>7-21-92</u><br>Date                            |
| Per Action Plan for Implementation of the Hanford Consent Order and Compliance Agreement Section 9.3.  |  |   |

9 2 1 2 6 5 2 1 2 8 1

| 100 NPL Agreement/Change Control Form   |  |   |
|---|--|---|
| Control Number<br><b>24</b>   | <input checked="" type="checkbox"/> Change <input type="checkbox"/> Agreement <input type="checkbox"/> Information<br>Operable Unit(s) <u>100-DR-1</u> | Date Submitted: <b>06-30-92</b><br>Date Approved: |
| Document Number & Title:<br>DOE/RL-89-09, Draft B, RCRA Facility Investigation/Corrective Measures Study Work Plan for the 100-DR-1 Operable Unit, Hanford Site, Richland, Washington, August 1990.   |  | Date Document Last Issued:<br>September 1991      |
| Originator:<br><b>N.M. Naiknimbalkar</b>  |  | Phone:<br><b>376-8739</b>                         |
| Summary Description:<br>Section 5.1.2.3.5 Activity 2c-5--Soil Gas Survey<br>o Paint Shop (west of 182-D reservoir).   |  |   |
| <p>Justification and Impact of Change: Paint Shop is a low priority support facility. The soil gas surveys were conducted at this site. The samples contained less-than detectable or insignificant concentrations of t-12-DCE, BENZENE, TOLUENE, ETHYLBENZENE, TOTAL XYLENES, 1,1,1-TCA, TCE and PCE chlorinated solvent vapors. In summary no significant contamination was encountered at this site. See attached 100-DR-1 Soil Gas Survey Results.</p> <p>Based upon the above documented information, it is recommended that no further activities be conducted at this location at this time.</p> <p>Please review and approve upon concurrence for the postponement of the activities.</p> |  |   |
| <u>N.M. Naiknimbalkar</u> <i>N.M. Naiknimbalkar</i>   |  | <u>7/21/92</u>                                    |
| WHC Operable Unit Coordinator   |  | Date  |
| <u>E.D. Goller</u> <i>E.D. Goller</i>   |  | <u>7-21-92</u>                                    |
| DOE Unit Manager  |  | Date  |
| <u>D. Teel</u> <i>D. Teel</i>   |  | <u>7-21-92</u>                                    |
| Lead Regulatory Unit Manager  |  | Date  |
| Per Action Plan for Implementation of the Hanford Consent Order and Compliance Agreement<br>Section 9.3.  |  |   |

## With Attachments:

- o Soil Gas Measurements
- o Map showing Sample Points
- o General Background for the 100-DR-1 Work Plans

92126521232

Table 1. Temporary Paint Shop Near 182-D Reservoir Soil Gas Monitoring Data

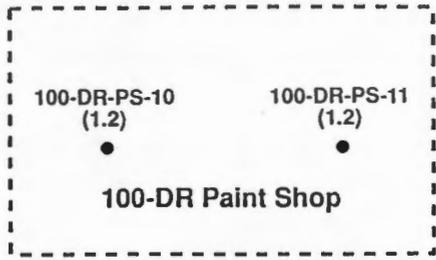
Soil Gas Measurements (ppm-v)

| Probe #      | Depth (m) | Sample Date | Analysis Date | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | t-1,2-DCE | 1,1,1-TCA | TCE  | PCE  |
|--------------|-----------|-------------|---------------|---------|---------|---------------|---------------|-----------|-----------|------|------|
| 100-DR-PS-1  | 1.1       | 09/09/91    | 09/10/91      | <0.3    | <0.25   | <0.2          | 0.24          | <0.25     | <0.1      | <0.1 | <0.1 |
| 100-DR-PS-2  | 1.0       | 09/09/91    | 09/10/91      | <0.3    | <0.25   | <0.2          | 0.2           | <0.25     | <0.1      | <0.1 | <0.1 |
| 100-DR-PS-3  | 1.1       | 09/09/91    | 09/10/91      | <0.3    | <0.25   | <0.2          | <0.2          | <0.25     | <0.1      | <0.1 | <0.1 |
| 100-DR-PS-4  | 1.1       | 09/09/91    | 09/10/91      | <0.3    | <0.25   | <0.2          | <0.2          | <0.25     | <0.1      | <0.1 | <0.1 |
| 100-DR-PS-5  | 1.0       | 09/09/91    | 09/10/91      | <0.3    | <0.25   | <0.2          | 0.2           | <0.25     | <0.1      | <0.1 | <0.1 |
| 100-DR-PS-6  | 1.0       | 09/09/91    | 09/10/91      | <0.3    | <0.25   | <0.2          | 0.2           | <0.25     | <0.1      | <0.1 | <0.1 |
| 100-DR-PS-7  | 1.1       | 09/09/91    | 09/10/91      | <0.3    | <0.25   | <0.2          | 0.2           | <0.25     | <0.1      | <0.1 | <0.1 |
| 100-DR-PS-8  | 1.0       | 09/09/91    | 09/10/91      | <0.3    | <0.25   | <0.2          | <0.2          | <0.25     | <0.1      | <0.1 | <0.1 |
| 100-DR-PS-9  | 1.1       | 09/09/91    | 09/10/91      | <0.3    | <0.25   | <0.2          | <0.2          | <0.25     | <0.1      | <0.1 | <0.1 |
| 100-DR-PS-10 | 1.2       | 06/24/92    | 06/24/92      | <0.3    | <0.25   | <0.2          | <0.2          | <0.5      | <2.5      | <3.0 | <0.5 |
| 100-DR-PS-11 | 1.2       | 06/24/92    | 06/24/92      | <0.3    | <0.25   | <0.2          | <0.2          | <0.5      | <2.5      | <3.0 | <0.5 |
| 100-DR-PS-12 | 1.1       | 06/24/92    | 06/24/92      | <0.3    | <0.25   | <0.2          | <0.2          | <0.5      | <2.5      | <3.0 | <0.5 |

Quality Control Samples (ppm-v)

| Type of QC Sample      | Sample Date | Analysis Date | Benzene | Toluene | Ethyl-Benzene | Total Xylenes | t-1,2-DCE | 1,1,1-TCA | TCE  | PCE  |
|------------------------|-------------|---------------|---------|---------|---------------|---------------|-----------|-----------|------|------|
| Ambient Air            | 09/09/91    | 09/10/91      | <0.3    | <0.25   | <0.2          | <0.2          | <0.25     | <0.1      | <0.1 | <0.1 |
| Equipment Blank        | 09/09/91    | 09/10/91      | <0.3    | <0.25   | <0.2          | <0.2          | <0.25     | <0.1      | <0.1 | <0.1 |
| 100-DR-PS-5 Duplicate  | 09/09/91    | 09/10/91      | <0.3    | <0.25   | <0.2          | <0.2          | <0.25     | <0.1      | <0.1 | <0.1 |
| Ambient Air            | 06/24/92    | 06/24/92      | <0.3    | <0.25   | <0.2          | <0.2          | <0.5      | <2.5      | <3.0 | <0.5 |
| 100-DR-PS-11 Duplicate | 06/24/92    | 06/24/92      | <0.3    | <0.25   | <0.2          | <0.2          | <0.5      | <2.5      | <3.0 | <0.5 |

9 2 1 2 6 5 2 1 2 3 4



100-DR-PS-12  
(1.1)

100-DR-PS-3  
(1.1)

100-DR-PS-6  
(1.0)

100-DR-PS-9  
(1.1)



100-DR-PS-2  
(1.0)

100-DR-PS-5  
(1.0)

100-DR-PS-8  
(1.0)

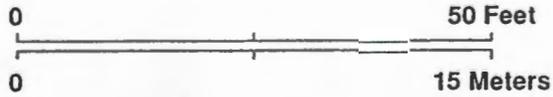
N92365  
W55325

100-DR-PS-1  
(1.1)

100-DR-PS-4  
(1.1)

N92365  
W55275

100-DR-PS-7  
(1.1)



● = Sample point  
( ) = Probe depth in meters



39204052.4

GENERAL BACKGROUND FOR THE 100-DR-1 WORK PLANS

The Work Plans for 100-DR-1 have evolved through revisions from Draft A (October, 1989), Draft B (August, 1990), Draft C (September, 1991) and Draft D to be released in June 1992. Several significant changes were made during these revisions. As an example the Draft A and B contained Sampling and Analysis Plans but the subsequent drafts eliminated the Sampling Plans. Different revisions were used for conducting different activities. For the soil gas survey activities the Draft B was used.

The following low priority sites, being considered for postponement for any further investigative work at this time, were included in the Draft B (August 1990) Work Plan for Soil Gas Survey.

- o 1713-D instrument and electrical development laboratory
- o 1714-D solvent storage building
- o 1715-D oil and paint storage
- o 1716-D gas station
- o 1722-D equipment development laboratory
- o Paint Shop (west of 182-D reservoir)

The plan describes the process of soil gas survey as follows:

"Probes will be installed from 1 m to 2 m (3 ft to 6 ft) deep in backfill around the buried tanks and pipelines, and other relatively small facilities (assumed for the purpose of this workplan to encompass an area of less than 930 square m (10,000 square ft) on about 7.6 m (25-ft) centers. The extent of contamination will be determined by installing additional probes until no detectable contamination is found in two adjacent probes bounding the area. Areas of contamination detected during the soil gas survey may be sampled during Task 5, Vadose Zone Investigation, as needed, to define the vertical extent of the contamination."

The soil Gas surveys have been completed for these sites and no significant contamination was encountered. Based on this documented data it is recommended that these sites be postponed from any further activities at this time and be considered at the time of final remedy selection phase as described in Figure 4-1 (Final Remedy Selection Process) of the 100-DR-1 Work Plan, Draft D.

92125521205

Distribution  
Unit Manager's Meeting: 100 Aggregate Area/100 Area Operable Units  
July 29, 1992

- Julie K. Erickson ..... Chief, Env. Remed. Br., DOE-RL, ERD (A5-19)
- Mike Thompson, ..... DOE-RL, EAP/RPB (A5-19)
- Diane Clark, ..... DOE-RL, TSD/SSB (A5-55)
- Steve Balone, ..... DOE-HQ (EM-442)
- Suzanne Clarke, SWEC ..... GSSC to DOE-RL (A4-35)
  
- Dennis Faulk ..... 100 Aggregate Area Manager, 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
  
- Tom Wintczak, WHC ..... (L4-92)
- Mel Adams, WHC ..... (H4-55)
- Bob Henckel, WHC ..... (H4-55)
- L.D. Arnold, WHC ..... (B2-35)
- A.D. Krug, WHC ..... (H4-55)
- Roberta, Day, WHC ..... (H4-55)
- Powers, Linda L., WHC .....
  
- Chris Abraham, ..... GAO (A1-80)

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ADMINISTRATIVE RECORD: 100 AAMS; Care of EDMC, WHC (H4-22)

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

9 2 1 2 6 6 2 1 2 0 6