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February 19, 1991

Meeting Minutes Transmittal/Approval
Unit Managers Meeting: Past Practices - General Topics
 450 Hills St., Room 47
 Richland, Washington
 January 23, 1991

From/ Appvl.: Robert K. Stewart Date: 2/20/91
 Robert K. Stewart, R.I. Coordinator, DOE-RL (A6-95)

Appvl.: Douglas R. Sherwood Date: 2/20/91
 Douglas R. Sherwood, Representative, EPA (B5-01)

Appvl.: L. Goldstein (As covered) Date: 2/20/91
 Larry Goldstein, CERCLA Unit Supervisor, Washington Dept. of Ecology

The purpose of this meeting was to discuss general topics which are common to all operable units.

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

- Attachment #1 - Meeting Summary/Summary of Commitments and Agreements
- Attachment #2 - Agenda for the meeting
- Attachment #3 - Attendance List
- Attachment #4 - Commitments/Agreements Status List
- Attachment #5 - Administrative Record File Status Chart
- Attachment #6 - Safety Documentation
- Attachment #7 - Status of Hanford Site Topographic Mapping
- Attachment #8 - Interim Stabilization Demonstration, 200-TP-4 Operable Unit

Prepared by: Doug Fessett Date: 2/20/91
 SWEC GSSC

Concurrence by: [Signature] Date: 2/20/91
 WHC ER Programs



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Distribution:

Dave Einan, EPA (B5-01)
Doug Sherwood, EPA (B5-01)
Dan Duncan, EPA, Region 10, RCRA
Chuck Cline, WDOE (two copies)
R.O. Patt, Oregon Water Resources Dept.
Ward Staubitz, USGS
Donna Lacombe, PRC
Doug Fassett, SWEC (A4-35)
C.E. Clark, DOE-RL (A6-95)
D.L. Clark, DOE-RL (A5-55)
Julie Erickson, DOE-RL (A6-95)
R.D. Freeberg, DOE-RL (A6-95)
R.E. Gerton, DOE-RL (A6-80)
Jim Goodenough, DOE-RL (A6-95)
R.D. Izatt, DOE-RL (A6-95)
Mary Harmon, DOE-HQ (EM-442)
Paul Pak, DOE-RL (A6-95)
Jim Rasmussen, DOE-RL (A6-95)
Bob Stewart, DOE-RL (A6-95)
Mike Thompson, DOE-RL (A6-95)
S.H. Wisness, DOE-RL (A6-95)
J.M. Hennig, DOE-RL (A5-21)
John Stewart, USACE
Melvin Adams, WHC (H4-55)
Frank Calapristi, WHC (B2-35)
Steve Clark, WHC (H4-55)
Larry Hulstrom, WHC (H4-55)
Wayne Johnson, WHC (H4-55)
Alan Krug, WHC (H4-55)
Merl Lauterbach, WHC (H4-55)
Fred Roeck, WHC (H4-55)
KaeRae Parnell, WHC (H4-18)
Jim Patterson, WHC (B2-15)
Timothy Veneziano, WHC (B2-35)
Steve Weiss, WHC (H4-55)
Tom Wintczak, WHC (B2-15)
R.D. Wojtasek, WHC (B2-15)
Don Kane, EMO (K1-74)
Terri Stewart, PNL (K2-12)
Michael A. Neely, PNL (K6-96)

ADMINISTRATIVE RECORDS: 1100-EM-1, 300-FF-1, 300-FF-5, 200-BP-1, 100-HR-1,
100-HR-3, 100-BC-1, 100-BC-5, 100-NR-1, 100-NR-3; Care of Susan Wray, WHC (H4-
51C)

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

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Attachment #1

Meeting Summary and Summary of Commitments and Agreements

General Topics Unit Managers Meeting
January 23, 1991

Army Corps of Engineers Transition

1. John Stewart (ACE) reported that the U.S. Army Corps of Engineers (ACE) is in the process of setting up individual project teams in the 1100-EM-1 area. Also, preparation of the 1100-EM-1 Phase II report has been started. The report is due in August 1991. ACE is in the process of hiring additional personnel. In response to a question by Larry Goldstein (Ecology) on the status of survey work John Stewart reported that the work has not been started. Stewart said a letter has been written to DOE expressing ACE concerns regarding the survey work.

Administrative Record Review

2. The status of the administrative records (AR) for the various operable units was presented by Brian Sprouse (see Attachment #5). There were 310 new records added to all operable units (mainly 1100-EM-1) in January. Administrative records have been set up for the Interim Response Actions (IRAs), but the status of these has not been developed. The AR index has been revised and will be issued as a controlled document which will be updated. It was reported that one to two members of the general public and two to four subcontractors access the ARs per month. The performance of the repositories is assessed once each quarter.

Safety Documents

3. A presentation on safety documents was given by Darrel Ellingson (WHC) (see Attachment #6). Safety analyses are meant to identify hazards which have a one in one million or greater probability to do harm to the public, employees and/or the environment. So far, some of the 200W Area CC14 activities and drilling in B Pond have been assessed and letters of approval for the activities have been transmitted. Tom Wintczak (WHC) and Merl Lauterbach (WHC) said the Health and Safety parts of the operable unit work plans are currently being evaluated due to Tiger Team concerns about a lack of safety analyses of low hazard activities and because the appropriate organization had to review the work plans. Tom Wintczak said the safety assessment process is being incorporated into the Health and Safety plans and that all future work plans would include the safety assessment. It is expected that no schedule delays will result from the safety evaluations *for the expedited response actions*. It was stressed that the safety analyses are not risk assessments and that they apply to activities rather than materials that are present. Bounding situations (worst cases) will be evaluated. The safety

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evaluations of the 300 Area Process Trenches, the 618-9 Burial Ground, the 200 W Carbon Tetrachloride Plume, and the 200-BP-1 Area characterization are in progress. Bob Stewart said that better coordination between the nuclear safety and industrial safety groups will be developed as a part of the safety analyses.

Action Item #GT.88: Provide a report at the February UMM on the application of the newly identified safety requirements to past practice activities. Specifically, address how the requirements will apply to approved RI/FS and IRA activities, and how existing and forthcoming work plans need to be revised. Action: Tom Wintczak (1/23/91)

DOE Independent Cost Model Review

4. Goals of the DOE Task Team are to: 1) Review and evaluate WHC assumptions (completed on 12/11/90); 2) identify needed changes that impact schedule or cost (due to be completed the week of the week of 1/28/91); and, 3) identify ways to shorten the investigation and cleanup process.
5. WHC has revised models based on a 22% - 23% reduction in costs. The decrease was derived from more detailed cost estimates, a drastic decrease in the scope of NEPA studies, a decrease in the feasibility study cost estimates, and a reduction in the number of contaminants to be sampled for in the second round of sampling (based on 100-NR-1/NR-3). However, the revised cost estimate is less conservative and allows for no contingencies. WHC will *evaluate adding contingencies to the model*. A report is expected to be provided to DOE the week of 1/28/91. Rich Hudson can provide additional information.

Hanford Base Map and Surveys

6. The "Status of Hanford Site Topographic Mapping" was presented by G.C. Evans (see Attachment #7). Areas of the site where operable units or waste management units were present were re-mapped. In the 1100-EM-1 Area two foot contour intervals were used. The 100 Area is the last area to be mapped. Aerial photography work has been done for the 100 Area, but the computerized data has not yet been accepted. Well locations have been converted from the Hanford Coordinate System to the Lambert Coordinate System. It was proposed that the Township, Range and Section technique be used as the site coordinate system since it has the advantage of being a legal system of documentation. Alan Lewis of Kaiser is approving the site maps. Larry Goldstein (Ecology) recommended that a first order vertical survey of the wellheads be completed. It was agreed that it was important to obtain wellhead elevation information as early as possible from each operable unit.

Action Item GT.89: Provide Ecology and EPA with a schedule for completing photogrammetric and surveying requirements necessary to develop the 100 Areas Base Map. These requirements include: 1) Aerial photography; 2) ground proofing; 3) converting historical and new data to Lambert Coordinates; and, 4) digitizing historical and new data for use in a G.I.S. system. Action: Bob Henckel (1/23/91)

Action Item GT.90: DOE is to develop a plan for well head elevation surveys and develop a response regarding funding availability for this work. Due at the February 1991 UMM. Action: K.M. Thompson (1/23/91)

HEIS Update

7. An update on the HEIS data base was given by Bob Henckel (WHC). The phase II QA review on the HEIS users manual was completed on January 2. The input of ground water data for 1100-EM-1 was slowed by errors in the CLP data. However most of the 1100-EM-1 data should be entered by the week of 1/28/91. Geologic data from 1100-EM-1 will be input next and data from 200-BP-1 will follow that. There are no plans to include surface data in HEIS at this time. Related GIS data system requirements are currently being finalized.

Action Item #GT.91: Set up a meeting between EPA, WHC, Ecology and DOE on how the determination is made to include certain data in HEIS and on what data validation entails. Action: Bob Henckel, Julie Erickson (1/23/91)

Aggregate Area Management Study

8. Mike Thompson (DOE) gave an update on the Aggregate Area Management Study (AAMS). Comments from Ecology should be incorporated by the week of 1/28/91. Management of the budget and schedule for the AAMS will be discussed with regulators in a meeting tentatively scheduled for January 31 at 10:00 am.

Interim Stabilization

9. M.R. Sackschewsky (WHC) presented an outline of the proposed interim stabilization demonstration project at the 200-TP-4 Operable Unit (see Attachment #8). The project is planned to be done in April or May 1991. A two inch shotcrete cap will be placed over a herbicide cloth to prevent the migration of radioactive contamination. Different shotcrete formations will be evaluated with ASTM procedures. The life of the cap is expected to be 30 - 100 years at Hanford.

Action Item #GT.92: Develop recommendations to coordinate non-ER-funded activities such as the soil stabilization action near the 200W Area T-Plant. Include suggestions for methods to inform the public (eg.: use of TPA quarterly meetings, etc.). Action: Jim Patterson (1/23/91)

10. Larry Goldstein (Ecology) announced that a new ^{Ecology} Tri-City employee, David Nylander, will serve as a point of contact for Ecology. He also announced that ~~John Littler with Parametrics~~ will review the 100-NR-1 and 100-NR-3 workplans. The Kennewick office of Ecology is totally dedicated to the Hanford cleanup. The office is expected to grow to a total of about 14 people. *IMPLEMENTING THE TPA.*

11. Doug Sherwood announced that additional milestones need to be submitted with change packages to maintain compliance with CERCLA.

Action Item Status

12. The status of outstanding action items was presented by Doug Fassett (SWEC) (see Attachment #4). The status of the action items was updated as appropriate.
13. The Unit Managers Meetings for February through May were scheduled.
 - February 20 and 21
 - March 20 and 21
 - April 16 and 17
 - May 14 and 15

Action Item #GT.93: WHC is to develop a recommendation on the use of English vs. metric units for future Past Practices work/reports at the Hanford Site. Action: Jim Patterson (FF5, 1/23/91)

Attachment #2

Agenda

**General Topics Unit Managers Meeting
January 23, 1991**

General Topics

9:00 - 9:30

Approval of December's Unit Managers Meeting Minutes - Doug Fassett

ACE Transition - Bob Stewart/John Stewart, ACE

Administrative Records Review - Brian Sprouse

9:30 - 10:00

Safety Documents - Darrel Ellingson

10:00 - 10:30

DOE Independent Cost Model Review - Tom Wintczak

10:30 - 11:00

Hanford Base Map and Surveys - George Evans

HEIS Update - Bob Henckel

Aggregate Area Management Strategy - Ecology/EPA

Interim Stabilization Demonstration - WHC

11:00 - 12:00

Action Item Status - Doug Fassett

12:00 - 1:00

Lunch

Attachment #3

Attendance List

General Topics Unit Managers Meeting
January 23, 1991

| Name | Org. | O.U. | Phone |
|----------------------|------------|-----------------|----------------|
| Allender, Robert | B&C | Ecology Support | (503) 244-7005 |
| Erickson, Julie K. | DOE-RL | Unit Manager | (509) 376-3603 |
| Pak, Paul | DOE-RL | 100-NR | (509) 376-4798 |
| Stewart, Robert K. | DOE-RL | 1100-EM-1 | (509) 376-6192 |
| Thompson, K. Michael | DOE-RL | Groundwater | (509) 376-6421 |
| Werdel, Nancy | DOE-RL | Env. Rest. | (509) 376-5500 |
| Cline, Chuck | Ecology | CERCLA Unit | (206) 438-7556 |
| Goldstein, Larry | Ecology | CERCLA Unit | (206) 438-7018 |
| Nylander, Dave | Ecology | CERCLA Unit | (509) 546-2992 |
| Day, Paul | EPA | Project Man. | (509) 376-6623 |
| Einan, Dave | EPA | Unit Manager | |
| Sherwood, Doug | EPA | Unit Manager | (509) 376-9529 |
| LaCombe, Donna | PRC | EPA Cont. | (206) 624-2692 |
| Shuster, Jerry | PRC | EPA Cont. | (206) 624-2692 |
| Littler, John | Parametrix | WDOE Support | (206) 455-2550 |
| Fassett, Doug | SWEC | GSSC to DOE-RL | (509) 376-3136 |
| Fryer, Bill | SWEC | GSSC to DOE-RL | (509) 376-9707 |
| King, Joe | SWEC | GSSC to DOE-RL | (509) 376-4726 |
| Greenwald, Wendell | USACE | Tech. Mgr. | (509) 376-9504 |
| Finl, Richard | USACE | Env. Eng. | (509) 522-6829 |
| McBane, Jim | USACE | | (509) 582-6833 |
| Stewart, John | USACE | PM | (509) 522-6331 |
| Drost, Brian | USGS | EPA Support | (206) 593-6510 |
| Staubitz, Ward | USGS | EPA Support | (206) 593-6510 |
| Cote, R.F. | WHC | ER Programs | (509) 376-5398 |
| Carlson, R.A. | WHC | EEG-200/300 | (509) 376-9027 |
| Ellingson, Darrel | WHC | Safety Doc. | (509) 376-8905 |
| Evans, George C. | WHC | None | (509) 376-8939 |
| Henckel, R.P. | WHC | EEG-TBS | (509) 376-2091 |
| Krug, Alan D. | WHC | O.U. Coord. | (509) 376-5634 |
| Lauterbach, Merle | WHC | | (509) 376-5257 |
| Patterson, Jim | WHC | ER Program | (509) 376-0568 |
| Smith, Gary | WHC | Safety Doc. | (509) 376-3749 |
| Wintczak, Tom | WHC | ER Program | (509) 376-0902 |

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Attachment #4

Action Items Status List

General Topics Unit Managers Meeting
January 23, 1991

| Item No. | Action/Source of Action | Status |
|----------|--|---|
| GT.18 | WHC will develop a small team for the purpose of developing a Hanford-specific work plan preparation guide guidance document. The committee is to include members from EPA/Ecology, SWEC/IT, and PNL/EMO as well as WHC. Action: Tom Wintczak (1/24/90, GT-UMM) | Open The Lessons Learned document will be integrated into this document (7/17/90). <i>WHC has restarted the effort to prepare a work plan guidance document. The status of the document will be given at the 2/20/91 GT-UMM (2/16/91).</i> |
| GT.31 | DOE/WHC is to develop an implementation plan for the strategy associated with the logic diagram on source/groundwater operable unit integration and streamlining. This plan is to include schedule and budget impacts associated with implementation. Action: K.M. Thompson, (3/20/90, GT-UMM) | Open WHC is pulling the implementation plan together (12/18/90). A meeting of involved parties is scheduled on 1/31/91 at 10:00 am (1/23/91). |
| GT.38 | If possible, at the May Unit Managers Meeting a presentation on the approved, preferred alternative method for disposal of the reactors will be given. Action: Jim Goodenough (4/18/90, GT-UMM) | Open The final disposal decision (proposed action) has not yet been made. A presentation will be made to the Unit Managers at the earliest meeting following formalization of the proposed action (9/19/90). The final EIS has been forwarded to EH-1 for final approval (12/18/90). |
| GT.38A | The presentation per Action Item #GT.38 is to include discussion on how NEPA compliance, land use, and the final disposition of the reactors is being addressed by DOE. (10/16/90, GT.UMM) | Open |

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- 9112171004
- GT.43 A follow up meeting will be scheduled with EPA, Ecology, DOE and WHC to discuss the apparent conflicts between NEPA and RCRA/CERCLA activities. Action: Julie Erickson/Paul Dunigan (4/18/90, GT-UMM)
- GT.49 The plan for the Background Strategy is to be delivered to DOE for review by June 1990. This plan is to include a brief discussion of estimated costs and associated schedules for determining background in both media. Action: Jim Hoover, WHC (5/16/90, GT-UMM)
- GT.55 Provide information on the conversion of all Hanford data to the GIS coordinate system. Action: Larry Brown and Bob Henckel
- GT.58 DOE will expedite completion of the integration and Lessons Learned documents so that it will be available for all involved parties. Action: Bob Stewart, Mike Thompson
- Open
Headquarters is working on draft guidance for the EA and Phase III Feasibility Study to be incorporated into one document. Julie Erickson will set up a meeting when guidance has been received. (10/16/90)
- Open
DOE is to provide Ecology with copies prior to the January UMM (12/18/90). WHC delivered the first draft of the document to DOE the first week in January. A presentation on the background strategy is planned for the February UMM (1/23/91).
- Closed
John Stewart (ACE) said a new survey is needed before mapping can be done. WHC and PNL cannot convert previous survey information. Mike Thompson said different areas with different coordinate systems cannot be converted to a site-wide system. He asked that the Corps determine whether or not a base map could be completed quickly (12/18/90). To be replaced by Action Item #GT.89 (1/23/91).
- Closed. This Item was previously labeled HR1.18 (6/12/90). Ecology's comments have been received and they will be compiled (7/17/90). On hold pending resolution of the AAMS concept (1/23/91). *This action will be merged with #GT.18 (2/16/91).*

- 9112111005
- GT.63 WHC to draft a letter for DOE to send to EPA and Ecology proposing to treat the 200-UP-2/200W Area and the Associated Groundwater contamination as an Aggregate Area Management Study (AAMS). Action: Julie Erickson (8/15/90, GT.UMM)
- GT.68 A training plan on the Quality Assurance Requirements Document (QARD) will be developed and shared with the regulators for their review. Action: Ron Cote' (9/19/90 GT.UMM)
- GT.70 Discuss the prioritization and preparation of operable unit work plans. Link this to the streamlining strategy and include it as a topic for the next UMM. Action: Larry Goldstein and Doug Sherwood (10/16/90, GT.UMM)
- GT.71 Provide the ENCORE project plan and copies of all deliverables to EPA and Ecology. Action: Nancy Werdel (10/16/90, GT.UMM)
- GT.72 WHC will set up a meeting to coordinate RDDT&E supported and operable unit specific performance assessment (PA) activities, and assess the direction of the activities. Action: Jim Patterson (11/14/90)
- GT.74 Provide the proposal to the regulators to improve comment/disposition resolution process on documents. Action: Bob Stewart, Tom Wintczak, John Stewart (11/14/90)
- Open
The letter has been transmitted to DOE. TPA changes are being proposed (12/17/90). A final strategy is delayed pending the development of an overall direction by ER for implementation (1/23/91).
- Open
The training plan will be developed by May 1991 (10/16/90). The development of the plan is being expedited (11/14/90).
- Open
No decision will be reached prior to Ecologies receipt of the change order package. A better understanding of the schedules of soon to be approved work plans is needed by Ecology (1/23/91).
- Open
The project managers received a presentation by Jack Waite (11/14/90). The project plan has not yet been delivered to the regulators (1/23/91).
- Open
WHC and DOE met on Dec. 6. The response to the EPA report is being drafted. WHC and DOE are developing a position which will be presented at the Feb. UMM. (12/17/90)
- Open
A draft proposal has been prepared. The document is in internal review and will be transmitted to the regulators when the review is complete. (12/17/90)

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- GT.75 Ecology and EPA are to provide comments on the draft EII 4.3 and a strategy paper regarding the handling of RI/FS derived waste. Action: Larry Goldstein, Doug Sherwood (11/14/90)
- Open
Comments on the document were received from Ecology on 12/10/90. Responses are being developed by WHC/DOE-RL (12/17/90). Paul Day (EPA) is preparing a letter response (1/23/91). *The DOE response will not be issued until after receipt of the EPA comments (2/16/91).*
- GT.76 Ecology and EPA are to provide comments on the revised EIIs 4.2 and 5.4 related to the handling of drilling decontamination fluids. Action: Larry Goldstein, Doug Sherwood (11/14/90)
- Open
Comments on the document were received from Ecology on 1/10/90. A draft response was provided to Ecology on 1/23/91. A final response is under development by a task group for DOE (1/23/91). *The DOE response will not be issued until receipt of the EPA response (2/16/91).*
- GT.77 DOE is to prepare a proposal for the handling of existing drums of decontamination rinsate. Action: Mike Thompson (11/14/90)
- Open
No change (1/23/91).
- GT.80 Review time requirements for production of UMM meeting minutes with TPA signatories. Discuss longer time allotment with project managers. Action: Bob Stewart (11/14/90)
- Open
A request has been made by Bob Stewart that the DOE-RL TPA Project Manager revise the TPA.
- GT.82 Determine a date for a presentation/briefing limited to investigation/characterization research and development. Action: Mark Hanson/Bob Stewart (12/18/90)
- Open
Bob Stewart will coordinate with Mark Hanson to set a date for the presentation (1/23/91).

- 91121771907
- GT.83 A detailed briefing will be held at next month's unit managers meeting regarding the DOE Independent Cost/Model Review. The briefing will factor the Cost/Model Review into the DOE 5-year Plan
Action: Tom Wintczak/Rich Hudson (12/18/90)
- GT.84 A technical task team will be formed with personnel from DOE, Ecology, EPA, USACE, WHC, and the GSSC to prepare a strategy for handling all types of investigation-derived wastes. Proposed task team member names will be presented at the January UMM. Action: Tom Wintczak, John Stewart, Doug Sherwood, Bob Stewart, and Larry Goldstein. (12/18/90)
- GT.85 Assign a lead to develop an agenda/attendance list for a scoping meeting to address the operable unit prioritization and the work plan review procedure. Action: Doug Sherwood (12/18/90)
- GT.86 Develop a schedule for briefings on items that were listed in action item GT.73. The items are: 1) Integration and coordination of programs, 2) status of developing Hanford-wide soil and groundwater background, 3) procedure for developing clean-up standards, 4) progress of performance assessments, and 5) proposal for handling RI/FS-derived wastes. Action: Jim Patterson (12/18/90)
- Open
A briefing will be provided by Mr. Wintczak at the January Unit Managers Meeting (1/22/91). The report will be transmitted to Ecology and EPA (1/23/91).
- Closed
The task team includes: Bob Stewart (DOE), Mike Gasser (SWEC), Larry Goldstein (Ecology), Laura Russell (WHC), Steve Guzek (WHC), John Stewart (USACE).
- Open
To be discussed at the next Unit Managers Meeting in February (1/23/91).
- Closed
The schedule for the briefings is: 1) March; 2) February; 3) Ecology requests this and Point of Compliance by April; 4) February; and, 5) to be determined by the task group (1/23/91).

- 9112171008
- GT.87 (HR1.24): Check into reviewing the QA requirements document (QARD) to be issued to EPA and Ecology. Action: J. D. Goodenough (8/16/90, HR1-UMM) Open (10/17/90)
- GT.88 Provide a report at the February UMM on the application of the newly identified safety requirements to past practice activities. Specifically, address how the requirements will apply to approved RI/FS and IRA activities, and how existing and forthcoming work plans need to be revised. Action: Tom Wintczak (1/23/91) Open
- GT.89 Provide Ecology and EPA with a schedule for completing photogrammetric and surveying requirements necessary to develop the 100 Areas Base Map. These requirements include: 1) Aerial photography; 2) ground proofing; 3) converting historical and new data to Lambert Coordinates; and, 4) digitizing historical and new data for use in a G.I.S. system. Action: Bob Henckel (1/23/91) Open
- GT.90 DOE is to develop a plan for well head elevation surveys and develop a response regarding funding availability for this work. Due at the February 1991 UMM. Action: K.M. Thompson (1/23/91) Open
- GT.91 Set up a meeting between EPA, WHC, Ecology and DOE on how the determination is made to include certain data in HEIS and on what data validation entails. Action: Bob Henckel, Julie Erickson (1/23/91) Open

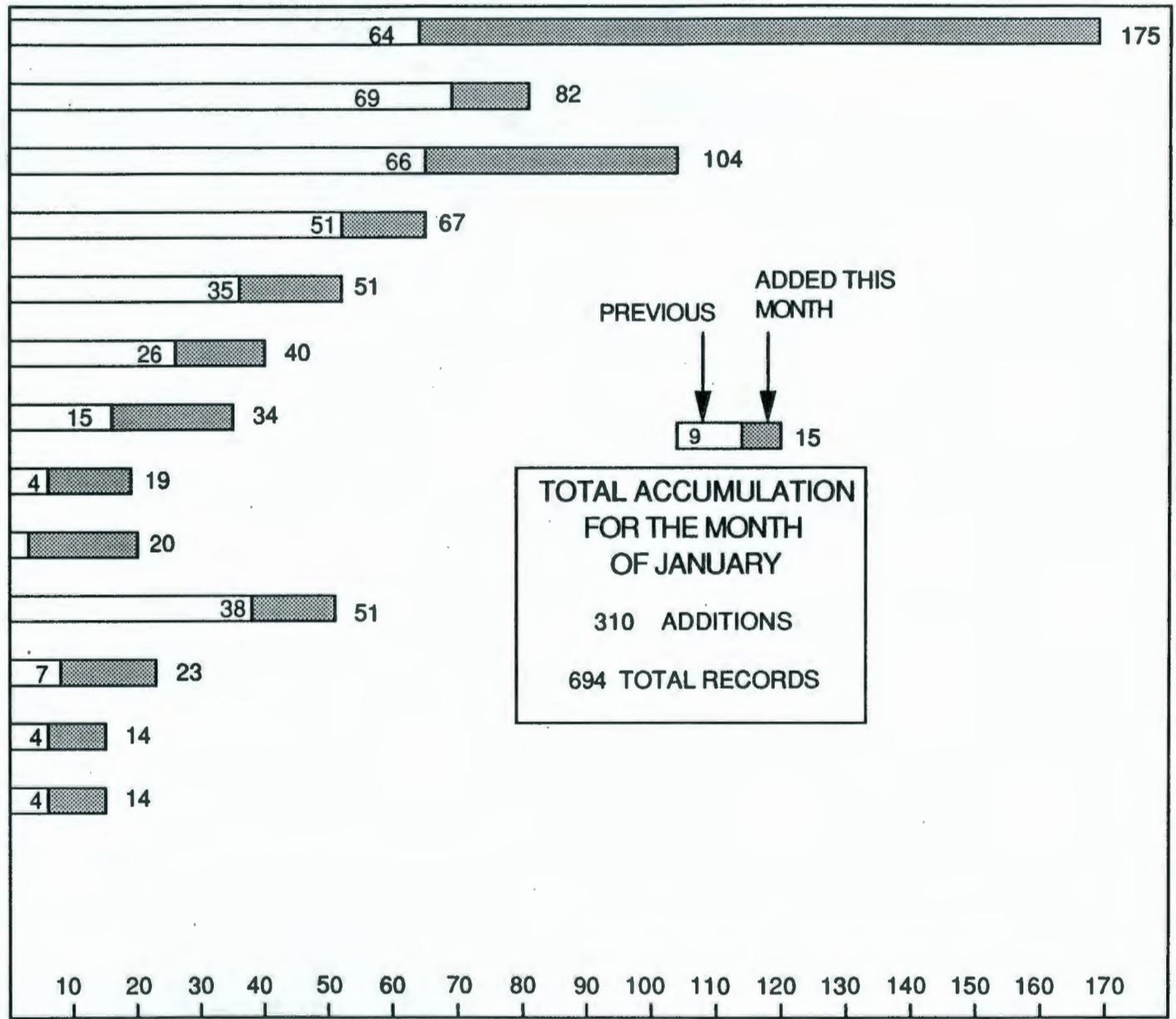
- 911217009
- GT.92 Develop recommendations to Open
coordinate non-ER-funded
activities such as the soil
stabilization action near the
200W Area T-Plant. Include
suggestions for methods to
inform the public (e.g., use of
TPA quarterly meetings.)
Action: Jim Patterson
(1/23/91)
- GT.93 WHC is to develop a Open
recommendation on the use of
English vs metric units for
future Past Practices
work/reports at the Hanford
Site. Action: Jim Patterson
(FF5, 1/23/91)
- GT.94 The GSSC is to determine what Open
(1HR3.36) changes in procedure would be
required to provide OU
Coordinators a copy of the
corrected UMM minutes at least
24 hours in advance of the
following month's UMM. Action:
Doug Fassett (GSSC) (1/24/91)

ENVIRONMENTAL DATA MANAGEMENT CENTER ADMINISTRATIVE RECORD FILE STATUS CHART

AS OF 01/18/91

O.U.'s

- 1100-EM-1 (U001)
- 300-FF-1 (U002)
- 200-BP-1 (U003)
- 100-HR-1 (U004)
- 100-HR-3 (U005)
- 100-BC-1 (U006)
- 100-DR-1 (U031)
- 100-NR-1 (U044)
- 100-NR-3 (U045)
- 300-FF-5 (U103)
- 100-BC-5 (U111)
- 100-KR-1 (U120)
- 100-KR-4 (U133)



**TOTAL ACCUMULATION
FOR THE MONTH
OF JANUARY**

310 ADDITIONS

694 TOTAL RECORDS

SCALE:

10 LAST MONTH
 10 THIS MONTH
 NUMBER OF RECORDS

4

SAFETY DOCUMENTATION

SAFETY ANALYSIS and REGULATION

PROJECT SAFETY DOCUMENTATION

RESTORATION SAFETY DOCUMENTATION

JANUARY 1991

SAFETY DOCUMENTATION

WHAT:

PRIMARY GUIDANCE CONTAINED IN DOE-HQ ORDER 5481.1B, ADDITIONAL GUIDANCE: 5820.2A 5400.5, 5480.5, 4700.1, OTHER MANDATORY COMPLIANCE ORDERS, DRAFT ORDERS AND INTERNAL & EXTERNAL AUDITS, REPORTS & APPRAISALS.

EMBRACES ALL ACTIVITIES REGARDLESS OF WHETHER OR NOT THERE IS A FACILITY INVOLVED.

ORDER "LIMITED" TO OPERATIONS THAT INVOLVE HAZARDS NOT ROUTINELY ENCOUNTERED AND ACCEPTED IN THE COURSE OF EVERYDAY LIVING BY THE VAST MAJORITY OF THE GENERAL PUBLIC.

LEVEL OF DETAIL IN SAFETY DOCUMENTATION COMMENSURATE WITH THE HAZARDS INVOLVED IN THE OPERATION.

THE OBVIOUS FIRST STEP IS TO IDENTIFY THE "CREDIBLE" HAZARDS TO THE PUBLIC, EMPLOYEES AND/OR THE ENVIRONMENT WHICH ARE PRESENTED, ACCUMULATED OR GENERATED BY THE OPERATION.

WHEN:

INITIATED DURING EARLIEST PHASES TO FACILITATE EARLY HAZARD IDENTIFICATION AND THEIR ELIMINATION OR CONTROL

REVIEWED AND APPROVED AT THE APPROPRIATE LEVEL PRIOR TO THE AUTHORIZATION TO CONDUCT THE OPERATION

FOR COMPLEX OR EXPENSIVE OPERATIONS A TWO STAGE SAFETY ANALYSIS IS SUGGESTED. PRELIMINARY SAFETY ANALYSIS PRIOR TO CONSTRUCTION AND A FINAL ANALYSIS PRIOR TO INITIAL OPERATION. *Note: other orders require a two stage and draft orders would require a four stage safety analysis.*

WHO:

BE PROVIDED BY THE ORGANIZATION WITH IMMEDIATE OPERATING RESPONSIBILITY.

REVIEW AND AUTHORIZATION COMMENSURATE WITH THE LEVEL OF HAZARD. MINIMUM LEVEL OF REVIEW AND AUTHORIZATION ARE:

| | |
|----------|--------------|
| LOW | CONTRACTOR |
| MODERATE | RL AND/OR HQ |
| HIGH | RL AND/OR HQ |

91121731012

SAFETY DOCUMENTATION APPROACH

OBTAIN INFORMATION FROM LINE MANAGEMENT

- RADIOLOGICAL AND/OR CHEMICAL INVENTORY
- WORK SCOPE AND APPROACH
- SITING/LOCATION/DISTANCE TO OCCUPIED BUILDINGS AND THE PUBLIC

IDENTIFY ALL HAZARDS AND DETERMINE WHICH ARE CREDIBLE

NATURAL PHENOMENA

- SEISMIC
- FLOOD
- WIND
- ETC.

OPERATION DERIVED

- CRITICALITY
- FIRE
- CHEMICAL REACTIONS
- ETC

DEVELOPE SCENERIOS AND PERFORM CONSEQUENCE CALCULATIONS

DRAFT DOCUMENT FOR LINE ORGANIZATION. MAKE RECOMMENDATIONS.

- ADEQUACY OF CONTROLS AND/OR RESPONSE TIMES
- NEED FOR CONTROLS ORIGINALLY NOT CONSIDERED
- NEED FOR ADDITIONAL DOCUMENTATION
- OTHER RECOMMENDATIONS APPROPRIATE TO THE SPECIFIC SITUATION

ASSIST LINE MANAGEMENT IN GETTING DOCUMENT REVIEWED AND APPROVED.

GENERALLY, THIS MEANS GETTING THE DOCUMENT REVIEWED AND APPROVED FOR LINE MANAGEMENT. HOWEVER, SOMETIMES LINE ORGANIZATIONS PREFER TO DO THIS SO THEY CAN GAUGE THE LEVEL OF EFFORT NEEDED FOR FUTURE ACTIVITIES.

91121771013

SAFETY DOCUMENTATION STATUS

GENERAL

APPROACH TO SAFETY DOCUMENTATION HAS "AGREEMENT IN PRINCIPAL"
FROM THE MINIMUM REVIEW AND AUTHORIZATION ORGANIZATIONS.

KEEPING REVIEW AND APPROVAL ORGANIZATIONS INFORMED

300 AREA PROCESS TRENCH

PERFORMING CONSEQUENCE CALCULATIONS AND SCENERIO REFINEMENTS
DISCUSSING POTENTIAL RECOMMENDATIONS WITH PROJECT ENGINEER

618-9 BURIAL GROUND

SAME AS ABOVE

200 W CARBON TETRACHLORIDE

SOME "TASKS" THROUGH THE REVIEW AND APPROVAL PHASE
REMAINING TASKS AT HAZARD IDENTIFICATION PHASE

200 BP - 1 CHARACTERIZATION

REVIEWING INFORMATION OBTAINED FROM LINE ORGANIZATION
PUTTING INFORMATION INTO A FORM USEABLE TO SAFETY

91121731914

**STATUS OF HANFORD SITE
TOPOGRAPHIC MAPPING**

G. C. EVANS

MAPPING STANDARDS

SCALE 1:2000

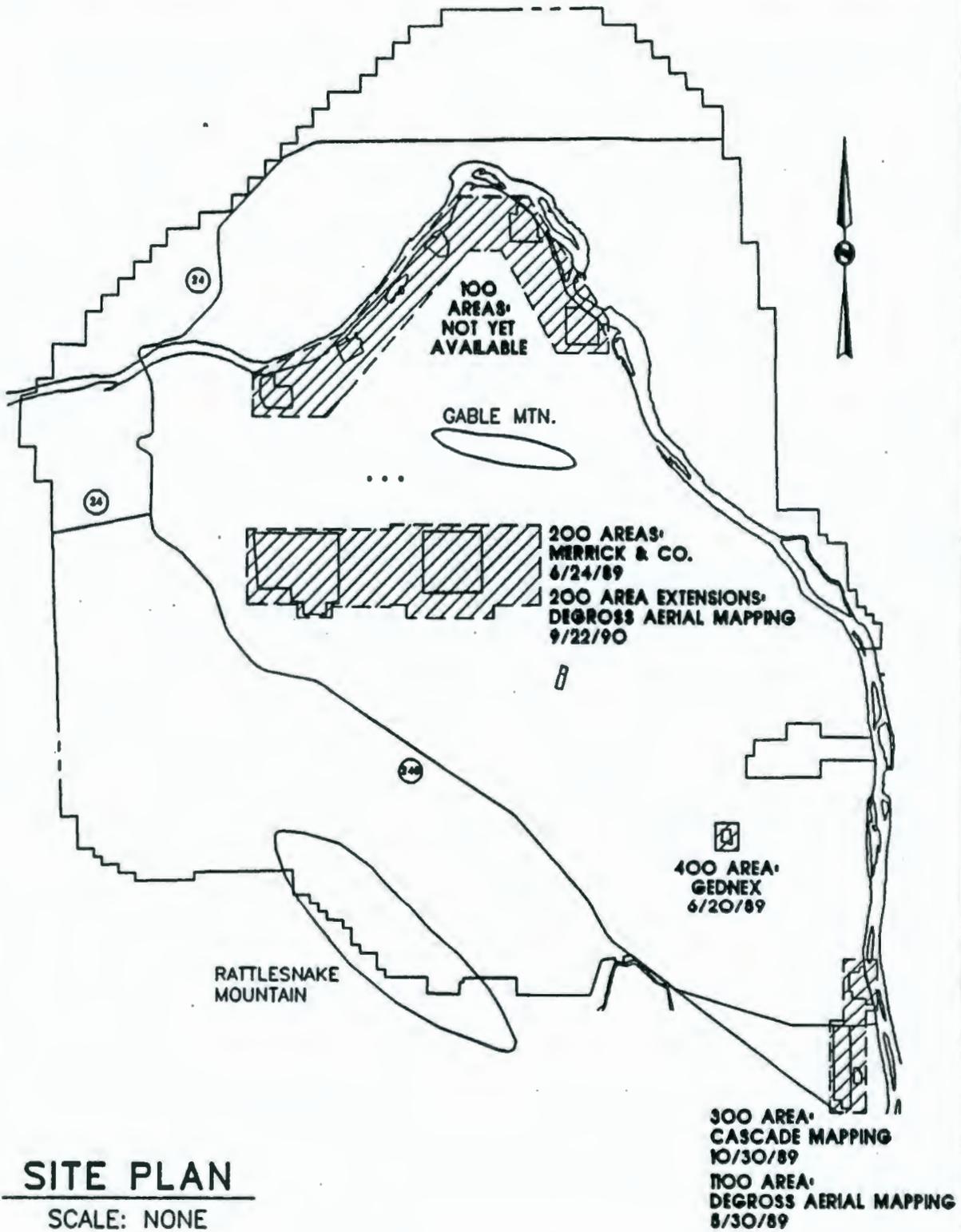
CONTOUR INTERVAL 0.5 METERS

COORDINATES WA STATE LAMBERT (METRIC)
HANFORD COORDINATE SYSTEMS
(ENGLISH)

ACCURACY CERTIFIED NAT. MAP ACCURACY
STANDARDS \pm 0.25 METER

DATUM HORIZONTAL NAD 1983
VERTICAL NGVD 1929

PHOTOGRAMMETRY STATUS - 1/15/90



SITE PLAN

SCALE: NONE

91121771017

PROCESS

KEH PROVIDES GROUND CONTROL

**CONTRACTOR PROVIDES PHOTOGRAPHS
MYLAR COPIES (SIGNED)
COMPUTER FILES**

**WHC CONTROLS COMPUTER FILES
PROVIDES TRACEABILITY TO MYLAR COPIES
PROVIDES OBJECT AND ROAD NAMES
RELEASES CONTROLLED DRAWINGS**

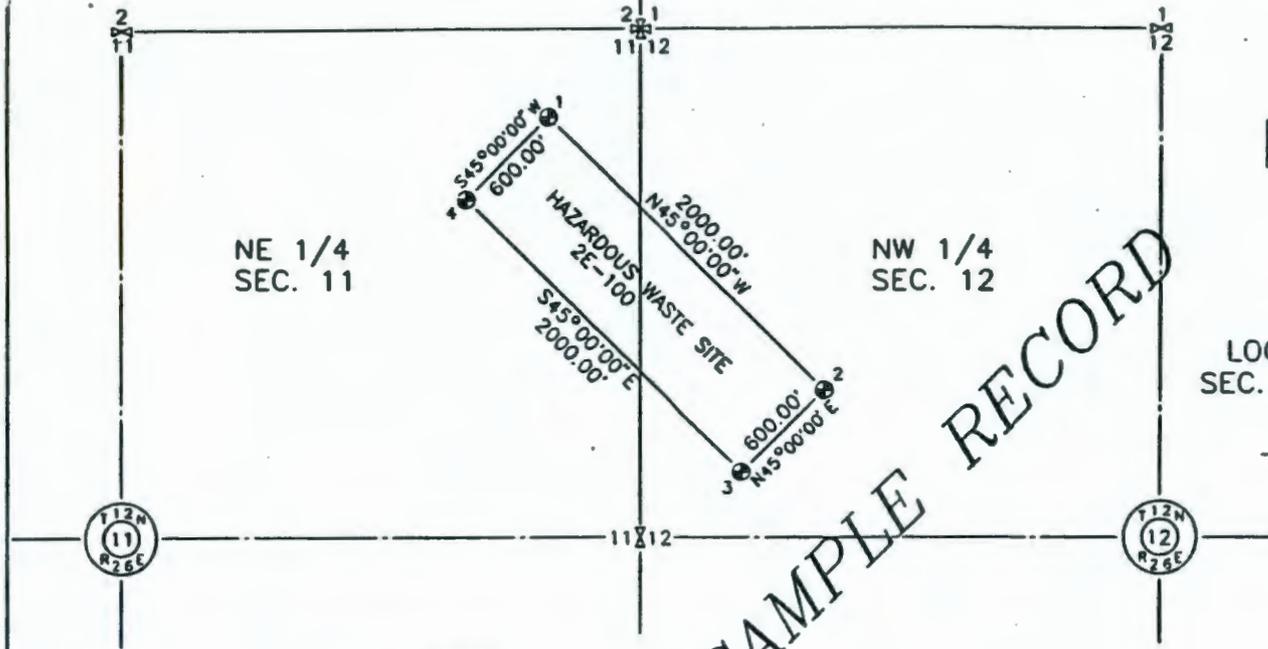
**APPLICATION TO RECORD OF SURVEY
FOR LEGAL RECORDING**

RECORD OF SURVEY

FOR

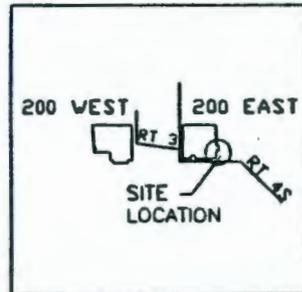
U.S. DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE

LOCATED IN NE 1/4 NE 1/4 AND SE 1/4 NE 1/4,
SEC. 11, AND NW 1/4 NW 1/4 AND SW 1/4 NW 1/4,
SEC. 12, T12N, R26E, W.M.,
BENTON COUNTY, WASHINGTON



SAMPLE RECORD

| CORNER COORDINATES (WCS 83 S) | | |
|-------------------------------|-------------|-------------|
| 1 | N 44,721.3 | E 248,125.9 |
| 2 | N 444,290.2 | E 248,556.9 |
| 3 | N 444,160.9 | E 248,427.6 |
| 4 | N 444,591.9 | E 247,996.5 |



VICINITY MAP



NOTES

COORDINATES AND BASIS FOR BEARINGS ARE FROM GLOBAL POSITIONING UNIT READINGS ON THE NE AND SE CORNERS OF THE HEREON SHOWN PARCEL OF LAND, BASED ON MONUMENT HAVEN, NGS GEODETIC CONTROL DIAGRAM IS WALLA WALLA.

SITE BOUNDARY SURVEY MADE WITH LIETZ SET-2 TOTAL STATION. ALL BOUNDARY DIMENSIONS ARE GROUND LEVEL DISTANCES EXPRESSED IN FEET.

ALL COORDINATES ARE BASED ON THE WASHINGTON COORDINATE SYSTEM OF 1983, SOUTH ZONE (WCS 83S) PER 58.20 RCW.

SITE LOCATION WITHIN SECTION OR SECTIONS IS SCALED FROM A 7.5' QUADRANGLE MAP, USING LATITUDE AND LONGITUDE.

INDICATES MAGNETICALLY LOCATABLE 3" ALUMINUM MONUMENT WITH 2 FOOT ALUMINUM SHAFT, MARKED WITH MONUMENT DESIGNATION.

STATEMENT OF SITE USE

THIS TRACT OF LAND HAS BEEN USED TO MANAGE DANGEROUS WASTES AND ITS USE IS RESTRICTED UNDER CHAPTER 173-303-610 WAC. FROM FIELD TESTS AND OFFICIAL RECORDS IT HAS BEEN DETERMINED THAT THIS SITE CONTAINS INDUSTRIAL WASTES SUCH AS: PAINTS, ACIDS, SOLVENTS, OILS, AND METALS.

DATE _____

WESTINGHOUSE HANFORD COMPANY
ENVIRONMENTAL DIVISION

AUDITOR'S CERTIFICATE

FILED FOR RECORD THIS _____ DAY OF _____, 1991 A.D.
AT _____ MINUTES PAST _____ M. AND RECORDED IN
BOOK _____ OF SURVEY, PAGE _____ RECORDS
OF BENTON COUNTY, WASHINGTON.

FEE No. _____
BENTON COUNTY AUDITOR

SURVEYOR'S CERTIFICATE

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE UNDER MY DIRECT SUPERVISION IN CONFORMANCE WITH THE REQUIREMENTS OF THE SURVEY RECORDING ACT, CHAPTER 50, LAWS OF 1973 AT THE REQUEST OF THE U.S. DEPARTMENT OF ENERGY.

DATE _____ SURVEYOR _____
WASHINGTON REGISTRATION No. _____

KAISER ENGINEERS HANFORD CO.

RICHLAND, P.O. BOX 888
WASHINGTON 99352
509-373-2615

NE 1/4 NE 1/4, SEC. 11-12-
SE 1/4 NE 1/4, SEC. 11-12-
NW 1/4 NW 1/4, SEC. 12-12-
SW 1/4 NW 1/4, SEC. 12-12-

DATE: 1/8/91

JOB No: ER 1457

SHEET 1 OF 1

91121031021

241-TX-154

INTERIM STABILIZATION

DEMONSTRATION

200-TP-4 Operable Unit

M.R. Sackschewsky

C.J. Kemp

A.E. Sampson

HISTORY OF CONTAMINATION BETWEEN 221-T, 224-T, AND 222-T FACILITIES

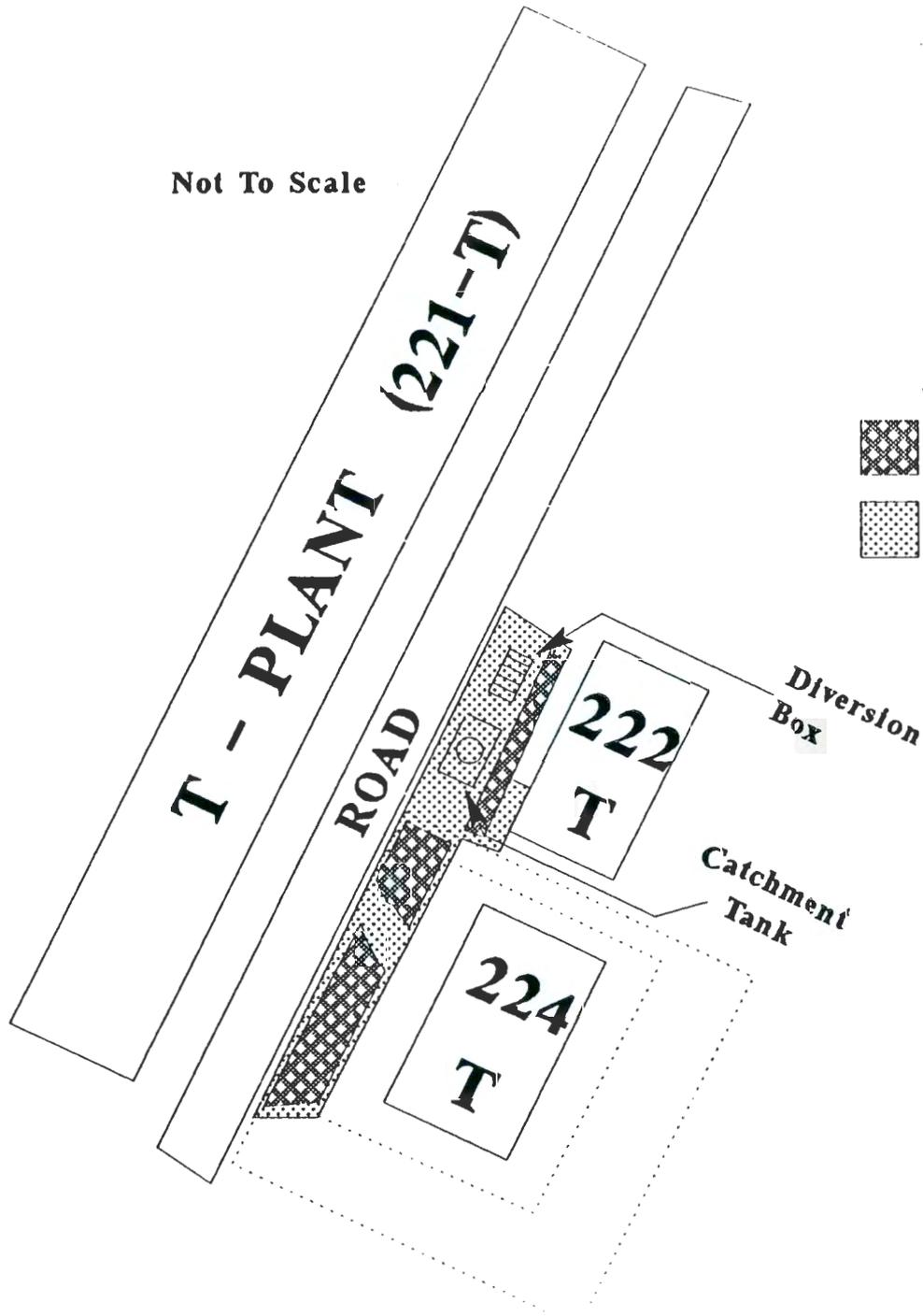
- 1953 - BROKEN PROCESS LINE NEAR 241-TX-154 DIVERSION BOX CAUSES CAVE-IN AND SURFACE CONTAMINATION SPREAD BETWEEN 221-T AND 222-T. DOSE RATES ABOVE POOL MEASURED AT 25 R/HR AT 8".

- 1955 - TRANSFER OF WASTE FROM 241-TX-302C TANK TO METAL WASTE LINE FAILS DUE TO EITHER TRANSFER LINE RUPTURE OR FLANGE FAILURE. SEVERAL THOUSAND GALLONS RELEASED, DOSE RATES OF 100R/HR AT 1'.

- 1968 - AREA WAS DISTURBED TO ALLOW BETTER ACCESS TO 222-T. DOSE RATES OF 500 MR/HR WERE ENCOUNTERED AT THE CUT NEAR THE 241-TX DIVERSION BOX. THIN CONCRETE BLOCKS WERE EMPLACED FOR SHIELDING ON EAST SIDE OF 241-TX-302C TANK

- 1985 TO 1991 - RECENT SURVEYS INDICATE SPECKS OF SURFACE CONTAMINATION, WITH DOSE RATES OF ABOUT 10 MR/HR. IN OCTOBER, 1990, A GREEN TUMBLEWEED REGISTERED 35 MR/HR.

Not To Scale



Highly Contaminated Areas

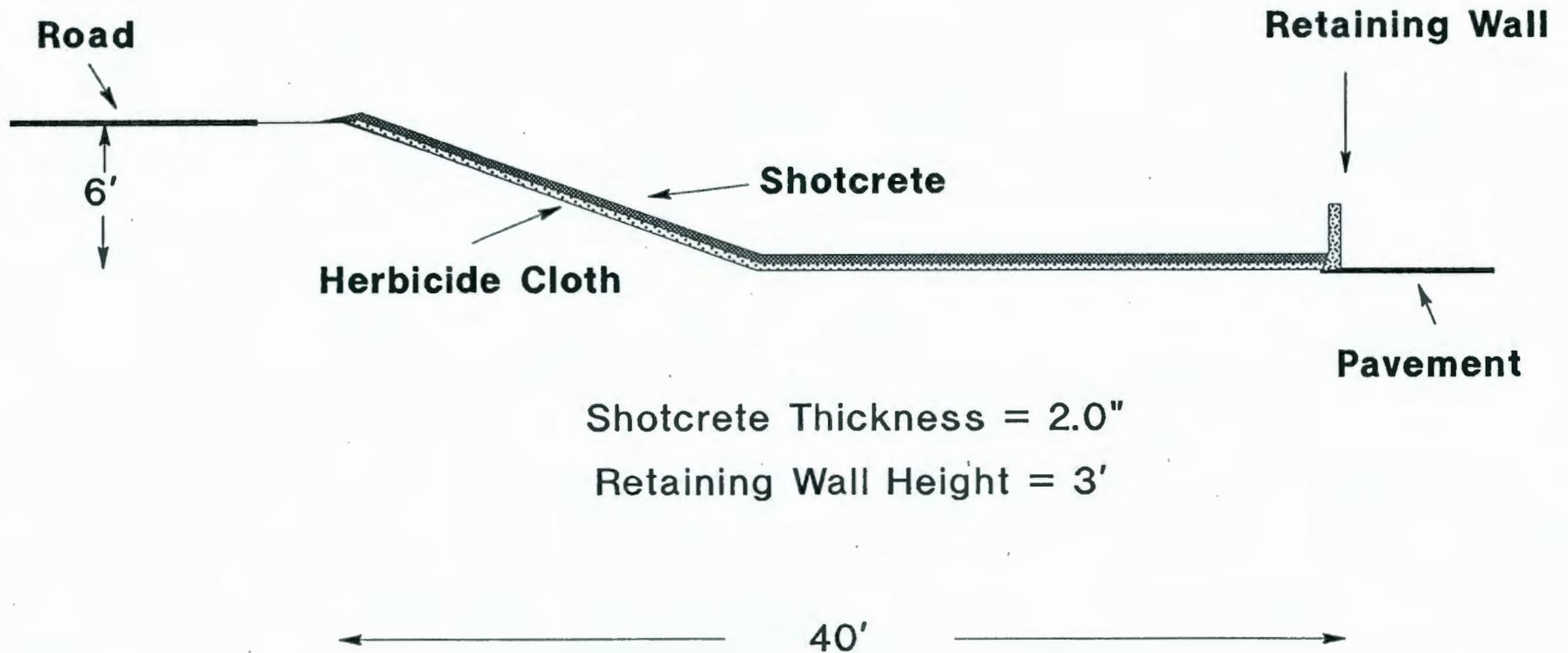


Stabilization Area

Diversion
Box

Catchment
Tank

Shotcrete / Biobarrier Cover



9 1 1 2 1 3 1 0 2 5

Herbicide Cloth

- Geotextile with herbicide impregnated nodules.
- Developed and Tested at Hanford
- Under worst conditions guaranteed for 15 years
- At Hanford, may function for 30 – 100 years
- Active Ingredient – Trifluralin – Root mitotic inhibitor
- Trifluralin used widely in agriculture
- Limited residual activity

Benefits of Planned Action

- Long term stabilization and containment of documented contaminant spread
- Eliminate biotic transport of subsurface contaminants
- Minimal increase in generated waste.
- Will not interfere with future remedial actions or investigations
- Easy to drill through during future sampling
- Will provide clean work surface for future sampling efforts
- Easy to remove at time of final remediation

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Doug Sherwood, EPA (B5-01)
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ADMINISTRATIVE RECORDS: 1100-EM-1, 300-FF-1, 300-FF-5, 200-BP-1, 100-HR-1, 100-HR-3, 100-BC-1, 100-BC-5, 100-NR-1, 100-NR-3; Care of Susan Wray, WHC (H4-51C)

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