

MAY 05 2003  
 STA: 15 65

ENGINEERING DATA TRANSMITTAL

|  |  |   |
|--|--|---|
| 2. To: (Receiving Organization)<br>Distribution  | 3. From: (Originating Organization)<br>Tank Farm Vadose Zone Project | 4. Related EDT No.:<br>N/A                |
| 5. Proj./Prog./Dept./Div.:<br>Tank Farm Vadose Zone Project  | 6. Design Authority/Design Agent/Cog. Engr.:<br>F.J. Anderson        | 7. Purchase Order No.:<br>N/A             |
| 8. Originator Remarks:<br>For Approval/Release   |  | 9. Equip./Component No.:<br>N/A           |
| 11. Receiver Remarks:  |  | 10. System/Bldg./Facility:<br>N/A         |
| 11A. Design Baseline Document? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |  | 12. Major Assm. Dwg. No.:<br>N/A          |
|  |  | 13. Permit/Permit Application No.:<br>N/A |
|  |  | 14. Required Response Date:<br>N/A        |

| 15. DATA TRANSMITTED |                          |               |              |  | (F)                 | (G)                    | (H)                    | (I)                  |
|----------------------|--------------------------|---------------|--------------|--|---------------------|------------------------|------------------------|----------------------|
| (A) Item No.         | (B) Document/Drawing No. | (C) Sheet No. | (D) Rev. No. | (E) Title or Description of Data Transmitted | Approval Designator | Reason for Transmittal | Originator Disposition | Receiver Disposition |
| 1                    | RPP-15808                | All           | 0            | Subsurface Conditions                        | N/A                 | 2                      | 1                      |                      |
|                      |                          |               |              | Description of the U                         |                     |                        |                        |                      |
|                      |                          |               |              | Waste Management                             |                     |                        |                        |                      |
|                      |                          |               |              | Area   |                     |                        |                        |                      |

| 16. KEY  |   |  |
|--|---|--|
| Approval Designator (F)                          | Reason for Transmittal (G)  | Disposition (H) & (I)  |
| E, S, Q, D OR N/A<br>(See WHC-CM-3-5, Sec. 12.7) | 1. Approval<br>2. Release<br>3. Information<br>4. Review<br>5. Post-Review<br>6. Dist. (Receipt Acknow. Required) | 1. Approved<br>2. Approved w/comment<br>3. Disapproved w/comment<br>4. Reviewed no/comment<br>5. Reviewed w/comment<br>6. Receipt acknowledged |

| 17. SIGNATURE/DISTRIBUTION<br>(See Approval Designator for required signatures) |           |                         |                      |                 |               |            |           |          |               |          |          |
|---|-----------|-------------------------|----------------------|-----------------|---------------|------------|-----------|----------|---------------|----------|----------|
| (G) Reason  | (H) Disp. | (J) Name                | (K) Signature        | (L) Date        | (M) MSIN      | (G) Reason | (H) Disp. | (J) Name | (K) Signature | (L) Date | (M) MSIN |
| 1   | 1         | Design Authority        | <i>N. Fouad</i>      | <i>5-6-03</i>   | <i>E6-35</i>  |            |           |          |               |          |          |
|   |           | Design Agent            |                      |                 |               |            |           |          |               |          |          |
| 1   | 1         | Cog. Eng. M.I. Wood     | <i>M.I. Wood</i>     | <i>4/30/03</i>  | <i>4-9-44</i> |            |           |          |               |          |          |
| 1   | 1         | Cog. Mgr. F.J. Anderson | <i>F.J. Anderson</i> | <i>01/20/03</i> | <i>E6-35</i>  |            |           |          |               |          |          |
|   |           | QA                      |                      |                 |               |            |           |          |               |          |          |
|   |           | Safety                  |                      |                 |               |            |           |          |               |          |          |
|   |           | Env.                    |                      |                 |               |            |           |          |               |          |          |

|  |                        |   |                         |   |                         |  |
|--|------------------------|---|-------------------------|---|-------------------------|--|
| 18. <i>M.I. Wood</i><br>M.I. Wood<br>Signature of EDT Originator | <i>4/30/03</i><br>Date | 19. <i>F.J. Anderson</i><br>F.J. Anderson<br>Authorized Representative for Receiving Organization | <i>01/20/03</i><br>Date | 20. <i>F.J. Anderson</i><br>F.J. Anderson<br>Design Authority/<br>Cognizant Manager | <i>01/20/03</i><br>Date | 21. DOE APPROVAL (if required)<br>Ctrl No. _____<br><input type="checkbox"/> Approved<br><input type="checkbox"/> Approved w/comments<br><input type="checkbox"/> Disapproved w/comments |
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## DISTRIBUTION SHEET

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| <b>To</b><br>Distribution  | <b>From</b><br>Tank Farm Vadose Zone Project | Page 1 of 1    |
| <b>Project Title/Work Order</b><br>SUBSURFACE CONDITIONS DESCRIPTION OF THE U WASTE MANAGEMENT AREAS |  | Date           |
|  |  | EDT No. 631763 |
|  |  | ECN No.        |

| Name                        | MSIN  | Text With All Attach. | Text Only | Attach./Appendix Only | EDT/ECN Only |
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# SUBSURFACE CONDITIONS DESCRIPTION OF THE U WASTE MANAGEMENT AREAS

M.I. Wood and T.E. Jones  
CH2M HILL Hanford Group, Inc.  
Richland, WA 99352  
U.S. Department of Energy Contract DE-AC27-99RL14047

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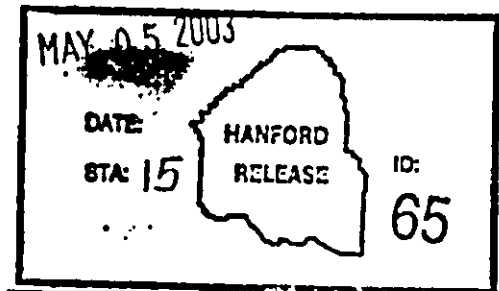
Key Words: Subsurface, Migration, Contaminants, Groundwater, Waste Management Area, U Tank Farm

Abstract: This document discusses the subsurface conditions relevant to the occurrence and potential migration of contaminants in the groundwater underlying the U Tank Farms. It describes the available environmental contamination data and contains a limited, qualitative interpretation of the data as they apply to contaminant behavior.

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Nancy A. Fouad 5-5-03  
Release Approval Date



Approved For Public Release

**SUBSURFACE CONDITIONS DESCRIPTION OF THE U  
WASTE MANAGEMENT AREA**

**M.I. Wood  
Fluor Hanford**

**T.E. Jones  
CH2M HILL Hanford Group, Inc.**

**April 2003**

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