

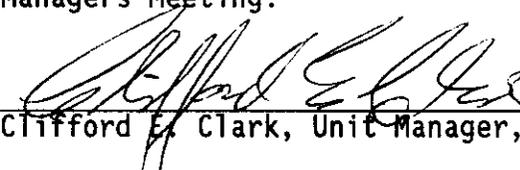
# START

## Meeting Minutes Transmittal

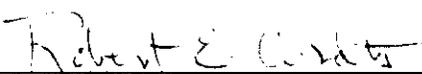
GROUT TREATMENT FACILITY  
Unit Managers Meeting  
740 Stevens Center, Room 1200  
Richland, Washington

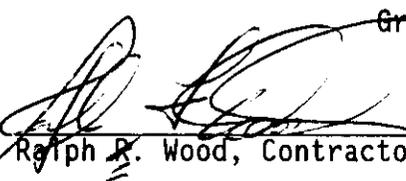
March 17, 1993  
10:00 a.m. - 12:00 p.m.

The undersigned indicate by their signatures that these meeting minutes reflect the actual occurrences of the above dated Unit Managers Meeting.

  
Clifford E. Clark, Unit Manager, RL Date: 10/4/93

  
Daniel Duncan, RCRA Program Manager, EPA Region 10 Date: 5/12/93

  
Joe Witczak, Unit Manager, Washington State Department of Ecology Date: 12/6/95

  
Ralph R. Wood, Contractor Representative, WHC Date: 5/12/93

Purpose: Discuss Permitting Process

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

- Attachment 1 - Agenda
- Attachment 2 - Summary of Discussion and Commitments/Agreements
- Attachment 3 - Attendance List
- Attachment 4 - Action Items
- Attachment 5 - Engineering Change Notices



91064408135

Attachment 1

GROUT TREATMENT FACILITY  
Unit Managers Meeting  
740 Stevens Center, Room 1200  
Richland, Washington

March 17, 1993  
10:00 a.m. - 12:00 p.m.

Agenda

1. PREVIOUS MEETING MINUTES
  2. PROGRAM STATUS
    - Program
    - Status of Vault Construction
    - Engineering Change Notices (B-714-168, -169, -170)
  3. RCRA TOPICS
    - Permit Application Status
  4. GENERAL TOPICS
    - Action Items
      - Past Action Items
      - New Action Items
    - Schedule Next Meeting Date
      - Tentative Dates
      - Proposed Topics
- 11:00 a.m. - 12:00 p.m. TCLP ISSUES
- TCLP Procedure 10.0.1 (Feed Characterization Issues)
  - TCLP Sample Size

931304.307  
206.408166

Attachment 2

GROUT TREATMENT FACILITY  
Unit Managers Meeting  
740 Stevens Center, Room 1200  
Richland, Washington

March 17, 1993  
10:00 a.m. - 12:00 p.m.

Summary of Discussion and Commitments/Agreements

1. PREVIOUS MEETING MINUTES -

- No meeting minutes were available for distribution.

2. PROGRAM STATUS -

- WHC stated that current plans are to fill and core vaults 102 and 103 by Fall 1994. Final safety analysis report (FSAR), performance assessment (PA) and operational readiness review (ORR) are needed. There are uncertainties with TWRS re-baseline. NRC made a final determination to deny the petition. The mixer pump in 102-AP is operating. Mr. B. Cordts (Ecology) inquired about PA, FSAR and ORR. The PA will be available 7/9/93, the FSAR is on track, and the ORR is beginning its assessment phase.
- The status of vault construction was reviewed. WHC is continuing on punch list items. The exhausters and shielding blocks were delivered, and portable instrument house (PIH) delivery was made today (3/17/93).
- Engineering Change Notices B-714-168, -169 and -170 were discussed (Attachment 5). Drawings as built will be completed within the next six months.

3. RCRA TOPICS -

- Regarding the permit application status, Mr. Cordts stated that he was at NOD 275 and that it should be completed by the end of March 1993.

4. GENERAL TOPICS -

- The first two action items from February 1993 were closed and the third action item was left open (Attachment 4). There were no new action items.
- The next meeting was scheduled for videoconference on 4/14/93 in Richland. Two proposed topics were to include a report on groundwater monitoring if the groundwater meeting is held before the Grout UMM, and to report on the status of the assessment on the NRC ruling.

930314.3018

**TCLP ISSUES -**

- Mr. O. Fordham (EPA/HQ) recommended that total analysis instead of TCLP be done on metals. A discussion ensued, with Mr. D. Duncan (EPA) recommending that Mr. Cordts discuss this situation within Ecology and provide a formal response regarding Ecology's position on sample size and spike recovery.

991204 309

Attachment 3

GROUT TREATMENT FACILITY  
Unit Managers Meeting  
740 Stevens Center, Room 1200  
Richland, Washington

March 17, 1993  
10:00 a.m. - 12:00 p.m.

Attendance List

Name	Organization	Phone
Rudy Carreon	RL	(509) 376-9461
Cliff Clark	RL	(509) 376-9993
Mike Cline	WHC	(509) 376-7957
Bob Cordts	Ecology	(206) 459-6863
Dan Duncan	EPA	(206) 553-6693
Joe Epstein	WHC	(509) 373-3885
Rolly Grabbe	WHC	(509) 373-2872
Paul Hammitt	WHC	(509) 373-4203
Lori Huffman	RL	(509) 376-0104
Barry Lesnik	EPA-HQ	(202) 260-7459
Steve Lijek	MACTEC	(509) 376-0309
Duc Nguyen	WHC	(509) 373-2984
Ralph Wood	WHC	(509) 373-4731

0206-1103136  
9313044.3020

Attachment 4

GROUT TREATMENT FACILITY  
Unit Managers Meeting  
740 Stevens Center, Room 1200  
Richland, Washington

March 17, 1993  
10:00 a.m. - 12:00 p.m.

Action Items

<u>Action Item</u>	<u>Description</u>
01-13-93:1	EPA will look at arranging a technical meeting regarding issue paper and methods. ACTION: D. Duncan  CLOSED (3/17/93).
01-13-93:2	WHC will provide issue paper on sample size. ACTION: B. Winters  CLOSED (3/17/93).
02-18-93:1	EPA will have a position for the March UMM regarding alternatives for spike and acid preservation. ACTION: D.Duncan and B. Lesnik  CLOSED (3/17/93).
02-18-93:2	WHC will look at running a few Grout samples both ways if material is available (i.e. grouted material). To be considered is feasibility, cost and schedule.  CLOSED (3/17/93). No material available.
02-18-93:3	WHC/RL will formally transmit to EPA an issue paper and request determination on sample size and spike recovery.  OPEN. WHC transmitted to DOE 3/16/93

DOE-4106-93

Attachment 5

GROUT TREATMENT FACILITY  
Unit Managers Meeting  
740 Stevens Center, Room 1200  
Richland, Washington

March 17, 1993  
10:00 a.m. - 12:00 p.m.

ENGINEERING CHANGE NOTICES

9313044.3022

110  
3-17-93  
COROUT

**GROUT UNIT MANAGERS MEETING ECN STATUS 3-17-93**

- ECN B714-168** Reissued drawings with no changes posted against them as "as-built" drawings.
- ECN B714-169**
- 1) Clarified requirements for shielding berm over piping.
  - 2) Corrected typographical error on connector termination chart.
  - 3) Revised cathodic protection drawing to match as constructed routing of cable, and revised typo in cathodic protection test procedure.
  - 4) Deleted requirement for pipe wall measurement at pipe bend to vault 104.
- ECN B714-170** Removed reference to support equipment drawings (Project W-213) from prior Project B-714 Engineering Change Notices.

930304.3023

**ENGINEERING CHANGE NOTICE**

Page 1 of 2

1. ECN ~~XXXXXX~~  
 Proj. ECN B-714-168

2. ECN Category (mark one)
- Supplemental
  - Direct Revision
  - Change ECN
  - Temporary
  - Supersedeure
  - Discovery
  - Cancel/Void

3. Originator's Name, Organization, MSIN, and Telephone No.  
 T.K. Ehrhard, KEH, E6-42, 6-7412

4. Date  
 12-18-92

5. Project Title/No./Work Order No. B-714/ER8007  
 Grouted Waste Disposal Facilities

6. Bldg./Sys./Fac. No.  
 218-E-16

7. Impact Level  
 4 /SC-2

8. Document Number Affected (include rev. and sheet no.)  
 See Block 12

9. Related ECN No(s).  
 None

10. Related PO No.  
 N/A

- 11a. Modification Work
- Yes (fill out Blk. 11b)
  - No (NA Blks. 11b, 11c, 11d)

11b. Work Package Doc. No.  
 N/A

11c. Complete Installation Work  
 N/A  
 \_\_\_\_\_  
 Cog. Engineer Signature & Date

11d. Complete Restoration (Temp. ECN only)  
 N/A  
 \_\_\_\_\_  
 Cog. Engineer Signature & Date

12. Description of Change SC-3

**BLOCK 8 (Document Number Affected):**

- |                           |                           |                           |
|---------------------------|---------------------------|---------------------------|
| ✓ H-2-77575, SH 2, REV 2  | ✓ H-2-77618, SH 13, REV 2 | ✓ H-2-78475, SH 2, REV 1  |
| ✓ H-2-77576, SH 1, REV 1  | ✓ H-2-77618, SH 14, REV 2 | ✓ H-2-78490, SH 1, REV 2  |
| ✓ H-2-77579, SH 1, REV 0  | ✓ H-2-77621, SH 1, REV 0  | ✓ H-2-78490, SH 2, REV 2  |
| ✓ H-2-77579, SH 2, REV 0  | ✓ H-2-77622, SH 2, REV 1  | ✓ H-2-78490, SH 3, REV 2  |
| ✓ H-2-77580, SH 4, REV 2  | ✓ H-2-77622, SH 3, REV 1  | ✓ H-2-78490, SH 4, REV 2  |
| ✓ H-2-77583, SH 1, REV 1  | ✓ H-2-77622, SH 4, REV 1  | ✓ H-2-78490, SH 12, REV 2 |
| ✓ H-2-77593, SH 1, REV 1  | ✓ H-2-77623, SH 2, REV 0  | ✓ H-2-78490, SH 13, REV 2 |
| ✓ H-2-77593, SH 2, REV 1  | ✓ H-2-77623, SH 3, REV 0  | ✓ H-2-78490, SH 14, REV 2 |
| ✓ H-2-77593, SH 3, REV 1  | ✓ H-2-78445, SH 1, REV 0  | ✓ H-2-78493, SH 2, REV 1  |
| ✓ H-2-77595, SH 1, REV 0  | ✓ H-2-78446, SH 1, REV 0  | ✓ H-2-78493, SH 3, REV 1  |
| ✓ H-2-77605, SH 2, REV 1  | ✓ H-2-78446, SH 2, REV 1  | ✓ H-2-78493, SH 4, REV 1  |
| ✓ H-2-77618, SH 1, REV 2  | ✓ H-2-78447, SH 1, REV 1  | ✓ H-2-78494, SH 2, REV 0  |
| ✓ H-2-77618, SH 2, REV 2  | ✓ H-2-78452, SH 1, REV 1  | ✓ H-2-78494, SH 3, REV 0  |
| ✓ H-2-77618, SH 3, REV 2  | ✓ H-2-78455, SH 1, REV 1  |                           |
| ✓ H-2-77618, SH 4, REV 2  | ✓ H-2-78455, SH 2, REV 1  |                           |
| ✓ H-2-77618, SH 12, REV 2 | ✓ H-2-78455, SH 3, REV 0  |                           |

**APPROVED FOR PUBLIC RELEASE.**  
 3/16/93 *W. J. Cole*

**Block 12 (Description of Change):**

**TO ALL ABOVE LISTED DOCUMENTS ADD "AS-BUILT" STATEMENT TO THE REVISION DESCRIPTION BLOCK (Z A3)**

- 13a. Justification (mark one)
- Criteria Change
  - Design Improvement
  - Environmental
  - As-Found
  - Facilitate Const.
  - Const. Error/Omission
  - Design Error/Omission

13b. Justification Details  
 As-Built clarification. No previously approved ECNs issued to the drawing revision number indicated above.

14. Distribution (include name, MSIN, and no. of copies)
- |                         |       |                         |
|-------------------------|-------|-------------------------|
| <b>KEH DISTRIBUTION</b> |       |                         |
| Const Doc Cntl          | E2-50 | J. K. Epperley R1-29    |
|                         |       | R. K. Sanan [4] R4-05   |
|                         |       | J. E. Shapley N1-83     |
|                         |       | T. W. Staehr (PE) R3-27 |
| <b>WHC DISTRIBUTION</b> |       | J. E. Vanbeek R3-27     |
| Project Files           | R1-28 | G. H. Weissberg R3-10   |
| R. E. Clayton           | S1-54 | DOE/A. G. Lassila A5-10 |
| M. W. Cline             | H6-24 |                         |
| CDWS #3                 | S2-10 |                         |
| CDWS #6                 | TZ-03 |                         |

**RELEASE STAMP**

OFFICIAL RELEASE (23)  
 BY WHC  
 DATE JAN 13 1993  
*Sta #10*

9313044-3024

# ENGINEERING CHANGE NOTICE

Page 2 of 2

1. ECN (use no. from pg. 1)

**B-714-168**

15. Design Verification Required

- Yes  
 No

16. Cost Impact

**ENGINEERING** **CONSTRUCTION**

*BASELINE COSTS M3* *N/A*

Additional  \$ 13200 Additional  \$ \_\_\_\_\_

Savings  \$ \_\_\_\_\_ Savings  \$ \_\_\_\_\_

17. Schedule Impact (days)

*N/A*

Improvement  \_\_\_\_\_

Delay  \_\_\_\_\_

18. Change Impact Review: Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 12. Enter the affected document number in Block 19.

<p>SDO/DD <input type="checkbox"/></p> <p>Functional Design Criteria <input type="checkbox"/></p> <p>Operating Specification <input type="checkbox"/></p> <p>Criticality Specification <input type="checkbox"/></p> <p>Conceptual Design Report <input type="checkbox"/></p> <p>Equipment Spec. <input type="checkbox"/></p> <p>Const. Spec. <input type="checkbox"/></p> <p>Procurement Spec. <input type="checkbox"/></p> <p>Vendor Information <input type="checkbox"/></p> <p>OM Manual <input type="checkbox"/></p> <p>FSAR/SAR <input type="checkbox"/></p> <p>Safety Equipment List <input type="checkbox"/></p> <p>Radiation Work Permit <input type="checkbox"/></p> <p>Environmental Impact Statement <input type="checkbox"/></p> <p>Environmental Report <input type="checkbox"/></p> <p>Environmental Permit <input type="checkbox"/></p>	<p>Seismic/Stress Analysis <input type="checkbox"/></p> <p>Stress/Design Report <input type="checkbox"/></p> <p>Interface Control Drawing <input type="checkbox"/></p> <p>Calibration Procedure <input type="checkbox"/></p> <p>Installation Procedure <input type="checkbox"/></p> <p>Maintenance Procedure <input type="checkbox"/></p> <p>Engineering Procedure <input type="checkbox"/></p> <p>Operating Instruction <input type="checkbox"/></p> <p>Operating Procedure <input type="checkbox"/></p> <p>Operational Safety Requirement <input type="checkbox"/></p> <p>IEFD Drawing <input type="checkbox"/></p> <p>Cell Arrangement Drawing <input type="checkbox"/></p> <p>Essential Material Specification <input type="checkbox"/></p> <p>Fac. Proc. Samp. Schedule <input type="checkbox"/></p> <p>Inspection Plan <input type="checkbox"/></p> <p>Inventory Adjustment Request <input type="checkbox"/></p>	<p>Tank Calibration Manual <input type="checkbox"/></p> <p>Health Physics Procedure <input type="checkbox"/></p> <p>Spares Multiple Unit Listing <input type="checkbox"/></p> <p>Test Procedures/Specification <input type="checkbox"/></p> <p>Component Index <input type="checkbox"/></p> <p>ASME Coded Item <input type="checkbox"/></p> <p>Human Factor Consideration <input type="checkbox"/></p> <p>Computer Software <input type="checkbox"/></p> <p>Electric Circuit Schedule <input type="checkbox"/></p> <p>ICRS Procedure <input type="checkbox"/></p> <p>Process Control Manual/Plan <input type="checkbox"/></p> <p>Process Flow Chart <input type="checkbox"/></p> <p>Purchase Requisition <input type="checkbox"/></p> <p>_____ <input type="checkbox"/></p> <p>_____ <input type="checkbox"/></p> <p>_____ <input type="checkbox"/></p>
--	--	---

19. Other Affected Documents: (NOTE: Documents listed below will not be revised by this ECN.) Signatures below indicate that the signing organization has been notified of other affected documents listed below.

Document Number/Revision	Document Number/Revision	Document Number/Revision
_____	_____	_____
_____	_____	_____
_____	_____	_____

20. Approvals

	Signature	Date		Signature	Date
<b>OPERATIONS AND ENGINEERING</b>			<b>ARCHITECT-ENGINEER</b>		
Cog./Project Engineer	<u>M. Staeter</u>	<u>12/28/92</u>	PE	<u>C. R.</u>	<u>12/23/92</u>
Cog./Project Engr. Mgr.	<u>J. Van Buren</u>	<u>12/29/92</u>	QA	<u>B. R. Fillian</u>	<u>12-23-92</u>
QA	_____	_____	Safety	<u>D. Lundgren</u>	<u>12-23-92</u>
Safety	_____	_____	Design	<u>C/S: M. van Hout</u>	<u>12-22-92</u>
Security	_____	_____	Other	<u>PIPING: M. A. McLean</u>	<u>12-22-92</u>
Proj. Prog./Dept. Mgr.	_____	_____	INSTH:	<u>V. Stephens</u>	<u>12-23-92</u>
Def. React. Div.	_____	_____	ENVIR:	<u>R. J. ...</u>	<u>12-22-92</u>
Chem. Proc. Div.	_____	_____	PLE:	<u>A. P. ...</u>	<u>12-23-92</u>
Def. Wst. Mgmt. Div.	_____	_____	<b>DEPARTMENT OF ENERGY</b>		
Adv. React. Dev. Div.	_____	_____	_____		
Proj. Dept.	_____	_____	_____		
Environ. Div.	_____	_____	<b>ADDITIONAL</b>		
IRM Dept.	_____	_____	_____		
Facility Rep. (Ops)	_____	_____	_____		
Other	_____	_____	_____		
_____	_____	_____	_____		
_____	_____	_____	_____		

ENGINEERING CHANGE NOTICE

Page 1 of 6

1. ECN ~~XXXXXXXX~~

Proj. ECN B-714-169

2. ECN Category (mark one) Supplemental <input checked="" type="checkbox"/> Direct Revision <input type="checkbox"/> Change ECN <input type="checkbox"/> Temporary <input type="checkbox"/> Standby <input type="checkbox"/> Supersecure <input type="checkbox"/> Cancel/Void <input type="checkbox"/>	3. Originator's Name, Organization, MSIN, and Telephone No. T. K. Ehrhard, KEH, E6-42, 6-7412		4. Date 01-13-93
	5. Project Title/No./Work Order No. GROUTED WASTE DISPOSAL FACILITIES B-714/ER8007	6. Bldg./Sys./Fac. No. 218-E-16	7. Impact Level 3QSC-2
	8. Document Numbers Changed by this ECN (includes sheet no. and rev.) SEE BLOCK 12	9. Related ECN No(s). SEE BLOCK 12	10. Related PO No. N/A

11a. Modification Work <input type="checkbox"/> Yes (fill out Blk. 11b) <input checked="" type="checkbox"/> No (NA Blks. 11b, 11c, 11d)	11b. Work Package No. N/A	11c. Modification Work Complete N/A _____ Cog. Engineer Signature & Date	11d. Restored to Original Condition (Temp. or Standby ECN only) N/A _____ Cog. Engineer Signature & Date
---	------------------------------	---	---

12. Description of Change

Block 8: Drawings - H-2-77578, Sh 1, Rev 1 - H-2-78645, Sh 2, Rev 1  
 - H-2-77642, Sh 1, Rev 2 - H-2-78448, Sh 1, Rev 1  
 - H-2-77642, Sh 2, Rev 2 - H-2-78467, Sh 1, Rev 1  
 - H-2-77645, Sh 1, Rev 2 - H-2-78508, Sh 1, Rev 2  
 - H-2-78508, Sh 2, Rev 2

Specification B-714-C2, Rev 1 (V-B714C2-003)  
 WHC-SD-B714-ATP-001, Rev 1

Block 9: ECN B-714-78, B-714-132 & B-714-134

\*\*\*\*\*  
 SEE SUCCEEDING PAGES FOR DESCRIPTION OF CHANGES  
 \*\*\*\*\*

APPROVED FOR PUBLIC RELEASE  
 3/16/93 D. Dolis

13a. Justification Criteria Change  Design Improvement  Environmental   
 (mark one) As-Found  Facilitate Const.  Const. Error/Omission  Design Error/Omission

13b. Justification Details  
 SEE PAGE 3 FOR JUSTIFICATION DETAILS

14. Distribution (include name, MSIN, and no. of copies) <b>KEH DISTRIBUTION</b> Const Doc Cntl S2-53  <b>WHC DISTRIBUTION</b> Project Files R1-28 R. E. Clayton S1-54 M. W. Cline H6-24 STA 6 T203 L. Garza LB-76	J. K. Epperley R1-29 R. K. Sanan [4] R4-05 J. E. Shapley N1-83 T. W. Staehr (PE) R3-27 J. E. Vanbeek R3-27 G. H. Weissberg R3-10 DOE/A. G. Lassila A5-10 STA 10 A3-87	CR. CAUSE CODE 11 RELEASE STAMP OFFICIAL RELEASE BY WHC DATE FEB 23 1993 STA 4
---	--	--

9313044.3026

X  
X



## 13b. Justification Details:

(AF - Item 4 & 5): Existing cable was not long enough to reach Test Station T(45-10).  
(DO - Item 1 & 6): Additional berm material added over pipeline, to Vault Pit, to maintain minimum shielding cover. (DE - Item 2, 3, 8, 9, & 10B): Typographical error.  
(DO - Item 11): Quantity required inadvertently omitted. (AF - Item 10A & 10C): Samples obtained in another manner. Sample submittals no longer required under Part 1 of specified section. (AF - Item 7): Contractor did not take measurements at this pipe bend prior to pipe burial. Measurements taken at other bends will provide sufficient data for future pipe erosion studies.

\*\*\*\*\*  
12. Description of Change:1) H-2-77578, Sh 1, Rev 1

A) . Plan (Z D7): Change Shielding berm note as follows:

SHIELDING BERM OVER PIPELINE  
SEE NOTE 4 THIS SHEET & NOTE  
7, H-2-77596, SH 1

B) Add new Note 4 (Z B2) as follows:

4 - THE COVER/SHIELDING BERM (HEIGHT 2'-7" [MIN] AND WIDTH TO VARY WITH LINE DEPTH) OVER THE DUAL EW AND GR LINES WILL BE AS FOLLOWS:

A COMBINATION OF SOIL AND DIFFUSION MATERIAL FROM THE VAULT PIT TO APPROXIMATELY 3 FEET BEYOND THE EDGE OF VAULT AND SOIL MATERIAL FROM THEREON TO PIPE LINE INTERFACE/TIE LINE SHOWN ON H-2-77596, SH 1. TYPICAL FOR VAULTS 102 AND 103.

2) H-2-77642, Sh 1, Rev 2

Connector Termination Chart (Z B6, B7): Change A &amp; B column for Leachate Pit Leak from 6 &amp; 9 to 9 &amp; 6 respectively.

3) H-2-77642, Sh 2, Rev 2

Connector Termination Chart (Z B6, B7): Change A &amp; B column for Leachate Pit Leak from 6 &amp; 9 to 9 &amp; 6 respectively.

4) H-2-77645, Sh 1, Rev 2

Note 11: Change "T(45-10)" to "T(45-9)"

5) H-2-77645, Sh 2, Rev 1 (Affects ECN B-714-134, pg 7)

Plan (Z D6): Show 2/0 AWG Negative Return cable routed to Test Station T(45-9) rather than T(45-10). [Dot that is identified by SEE NOTE 11]

9313044.3028

6) H-2-78448, Sh 1, Rev 1

A) Plan (Z E8): Change Shielding berm note as follows:  
SHIELDING BERM OVER PIPELINE  
SEE NOTE 8 THIS SHEET & NOTE  
7, H-2-78467, SH 1.

B) Add new Note 8 as follows:

8 - THE COVER/SHIELDING BERM (HEIGHT 2'-7" [MIN] AND WIDTH TO VARY WITH LINE DEPTH) OVER THE DUAL EW AND GR LINES WILL BE AS FOLLOWS:

A COMBINATION OF SOIL AND DIFFUSION MATERIAL FROM THE VAULT PIT TO APPROXIMATELY 3 FEET BEYOND THE EDGE OF VAULT AND SOIL MATERIAL FROM THEREON TO PIPE LINE INTERFACE/TIE LINE SHOWN ON H-2-78467, SH 1. TYPICAL FOR VAULTS 104 AND 105.

7) H-2-78467, Sh 1, Rev 1 (Affects ECN B-714-132, Item 4A & Page 8)

Enlarged View (Z B7): Modify - see page 6 of this ECN.

8) H-2-78508, Sh 1, Rev 2

Connector Termination Chart (Z B6, B7): Change A & B column for Leachate Pit Leak from 6 & 9 to 9 & 6 respectively.

9) H-2-78508, Sh 2, Rev 2

Connector Termination Chart (Z B6, B7): Change A & B column for Leachate Pit Leak from 6 & 9 to 9 & 6 respectively.

10) SPEC B-714-C2

A) SECTION 01300; Article 1.3 (Pg 01300-6): Delete 02755/1.2.4 in its entirety.

B) SECTION 01400 (Affects ECN B-714-78, pg 10): [Appendix A, Section 05500, Para 2.1.9] Change Method of Verification column from "ASTM A 307" to "ASTM A 370"

C)- SECTION 02755: Change para 1.2.4, 1.2.4.1 and 1.2.4.2 to read "Deleted"

11) WHC-SD-B714-ATP-001, Rev 1

Page 11, Para 8.2.1.a: Add "(2 ea)" after the word West

3313044 3029

REGISTERED ENGINEER REVIEW  
CIVIL - Item 1, 6, & 10B



EXPIRES 4/10/93

REGISTERED ENGINEER REVIEW  
ELEC - Item 2, 3, 4, 5, 8 & 9



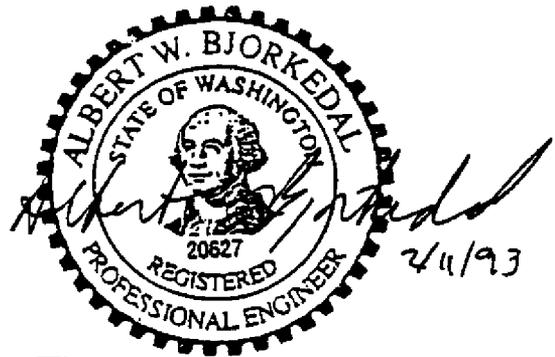
EXPIRES 5/30/93

REGISTERED ENGINEER REVIEW  
ENVIR - Item 10A & 10C



EXPIRES 3/17/94

REGISTERED ENGINEER REVIEW  
PIPING - Item 7 only

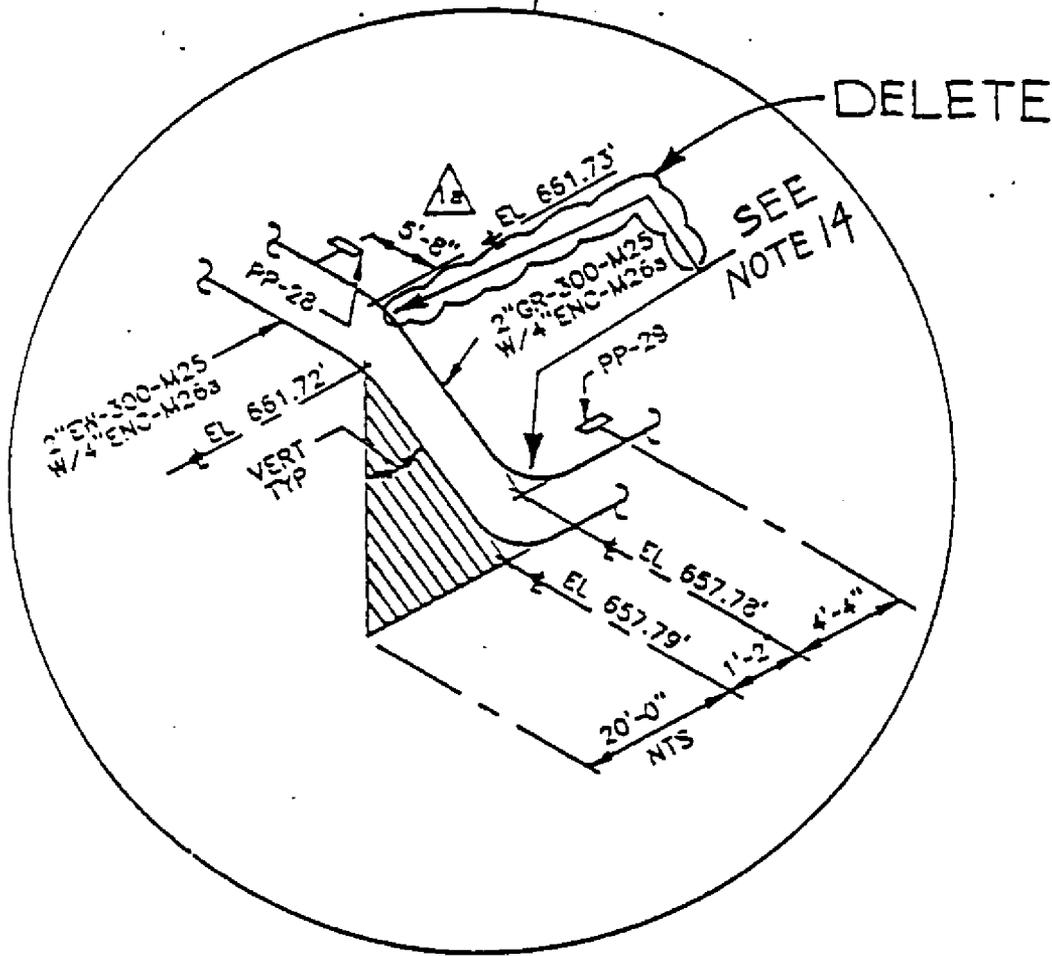


EXPIRES 9/18/94

9313044.3030

Ref. Dwg.	Sh.	Rev.	Prepared By	Checked By	ECN No.	Page
H-2-78467	1	1	M.A. McLean	Dee McAdeman	B-714-169	6/6

(Affects ECN B-714-132, page 8)



9313044.303

Date Received: 2/23/93

INFORMATION RELEASE REQUEST

Reference: WHC-CM-3-4

Complete for all Types of Release

<input type="checkbox"/> Speech or Presentation <input type="checkbox"/> Full Paper (Check only one suffix) <input type="checkbox"/> Summary <input type="checkbox"/> Abstract <input type="checkbox"/> Visual Aid <input type="checkbox"/> Speakers Bureau <input type="checkbox"/> Poster Session <input type="checkbox"/> Videotape		<input type="checkbox"/> Reference <input type="checkbox"/> Technical Report <input type="checkbox"/> Thesis or Dissertation <input type="checkbox"/> Manual <input type="checkbox"/> Brochure/Flier <input type="checkbox"/> Software/Database <input type="checkbox"/> Controlled Document <input checked="" type="checkbox"/> Other	ID Number (include revision, volume, etc.) WHC-SD-714-ATP-001, Rev. 1 List attachments. ECN B714-1689 <i>TWS 2/22/93</i> Date Release Required 3/01/93
---	--	---	---

Title CATHODIC PROTECTION ACCEPTANCE TEST PROCEDURE, GROUT VAULTS 102, 103, AND GPF	Unclassified Category UC-	Impact Level 3Q
---	---------------------------	-----------------

New or novel (patentable) subject matter? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If "Yes", has disclosure been submitted by WHC or other company? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes Disclosure No(s).	Information received from others in confidence, such as proprietary data, trade secrets, and/or inventions? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Identify)
--	---

Copyrights? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If "Yes", has written permission been granted? <input type="checkbox"/> No <input type="checkbox"/> Yes (Attach Permission)	Trademarks? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Identify)
---	---

Complete for Speech or Presentation

Title of Conference or Meeting	Group or Society Sponsoring
--------------------------------	-----------------------------

Date(s) of Conference or Meeting	City/State	Will proceedings be published? <input type="checkbox"/> Yes <input type="checkbox"/> No	Will material be handed out? <input type="checkbox"/> Yes <input type="checkbox"/> No
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Title of Journal
------------------

CHECKLIST FOR SIGNATORIES

Review Required per WHC-CM-3-4	Yes	No	Reviewer - Signature Indicates Approval
			Name (printed) Signature Date
Classification/Unclassified Controlled Nuclear Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Patent - General Counsel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Legal - General Counsel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Applied Technology/Expert Controlled Information or International Program	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
WHC Program/Project	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Communications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
RL Program/Project	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Publication Services	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Other Program/Project	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Information conforms to all applicable requirements. The above information is certified to be correct.

References Available to Intended Audience <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Transmit to DOE-HQ/Office of Scientific and Technical Information <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Author/Requestor (Printed/Signature) T. W. Staehr <i>TW Staehr</i> Date 2/22/93	<b>INFORMATION RELEASE ADMINISTRATION APPROVAL STAMP</b> Stamp is required before release. Release is contingent upon resolution of mandatory comments.
Intended Audience <input type="checkbox"/> Internal <input checked="" type="checkbox"/> Sponsor <input type="checkbox"/> External Responsible Manager (Printed/Signature) J. E. Van Beek <i>J Van Beek</i> Date 2/22/93	
Date Cancelled	Date Disapproved

9312044.3082

ENGINEERING CHANGE NOTICE

Page 1 of 3

1. ECN ~~890622~~

Proj. ECN B-714-170

2. ECN Category (mark one) Supplemental <input type="checkbox"/> Direct Revision <input type="checkbox"/> Change ECN <input checked="" type="checkbox"/> Temporary <input type="checkbox"/> Standby <input type="checkbox"/> Supersedeure <input type="checkbox"/> Cancel/Void <input type="checkbox"/>	3. Originator's Name, Organization, MSIN, and Telephone No. T. K. Ehrhard, KEH, E6-42, 6-7412		4. Date 01-14-93
	5. Project Title/No./Work Order No. GROUTED WASTE DISPOSAL FACILITIES B-714/ER8007	6. Bldg./Sys./Fac. No. 218-E-16	7. Impact Level 4 /SC-2
	8. Document Numbers Changed by this ECN (includes sheet no. and rev.) SEE BLOCK 12	9. Related ECN No(s). SEE BLOCK 12	10. Related PO No. N/A

11a. Modification Work <input type="checkbox"/> Yes (fill out Blk. 11b) <input checked="" type="checkbox"/> No (MA Blks. 11b, 11c, 11d)	11b. Work Package No. N/A	11c. Modification Work Complete N/A Cog. Engineer Signature & Date	11d. Restored to Original Condition (Temp. or Standby ECN only) N/A Cog. Engineer Signature & Date
---	------------------------------	--	--

12. Description of Change *H-2-98442 SH1 REV 1; H-2-98442 SH 2 REV 1* SC-3  
*H-2-77603 SH1 REV 1*

BLOCK 8: Drawing numbers are being removed from previously approved ECNs. See page 3, Item 1A, 2A, 3A, & 4A, for drawing numbers removed from Affected Document list.

BLOCK 9: B-714-21, B-714-27, B-714-72, & B-714-95.

APPROVED FOR PUBLIC RELEASE  
311619310. *del*

\*\*\*\*\*  
SEE PAGE 3 FOR DESCRIPTION OF CHANGE  
\*\*\*\*\*

REGISTERED ENGINEER REVIEW NOT REQUIRED

13a. Justification (mark one)	Criteria Change <input type="checkbox"/>	Design Improvement <input type="checkbox"/>	Environmental <input type="checkbox"/>
As-Found <input type="checkbox"/>	Facilitate Const. <input type="checkbox"/>	Const. Error/Omission <input type="checkbox"/>	Design Error/Omission <input checked="" type="checkbox"/>

13b. Justification Details  
 SEE PAGE 3 FOR JUSTIFICATION DETAILS

14. Distribution (include name, MSIN, and no. of copies)		383	RELEASE STAMP
KEH DISTRIBUTION Const Doc Cntl S2-53	J. K. Epperley R1-29 R. K. Sanan [4] R4-05 J. E. Shapley N1-83 T. W. Staehr (PE) R3-27	OFFICIAL RELEASE BY WHC <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">13</span> DATE FEB 22 1993 <i>STH 23</i>	
WHC DISTRIBUTION Project Files R1-28 R. E. Clayton S1-54 M. W. Cline H6-24	J. E. Vanbeek R3-27 G. H. Weissberg R3-10 DOE/A. G. Lassila A5-10		

ECN 4403185

ENGINEERING CHANGE NOTICE

Page 1 of 3

1. ECN ~~090622~~

Proj. ECN B-714-170

2. ECN Category (mark one) Supplemental <input type="checkbox"/> Direct Revision <input type="checkbox"/> Change ECN <input checked="" type="checkbox"/> Temporary <input type="checkbox"/> Standby <input type="checkbox"/> Supersedeure <input type="checkbox"/> Cancel/Void <input type="checkbox"/>	3. Originator's Name, Organization, MSIN, and Telephone No. T. K. Ehrhard, KEH, E6-42, 6-7412		4. Date 01-14-93
	5. Project Title/No./Work Order No. GROUTED WASTE DISPOSAL FACILITIES B-714/ER8007	6. Bldg./Sys./Fac. No. 218-E-16	7. Impact Level 4 /SC-2
	8. Document Numbers Changed by this ECN (includes sheet no. and rev.) SEE BLOCK 12	9. Related ECN No(s). SEE BLOCK 12	10. Related PO No. N/A

11a. Modification Work <input type="checkbox"/> Yes (fill out Blk. 11b) <input checked="" type="checkbox"/> No (NA Blks. 11b, 11c, 11d)	11b. Work Package No. N/A	11c. Modification Work Complete N/A Cog. Engineer Signature & Date	11d. Restored to Original Condition (Temp. or Standby ECN only) N/A Cog. Engineer Signature & Date
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12. Description of Change SC-3

*H-2-98442 SH1 REV1; H-2-98442 SH2 REV1*  
*H-2-77603 SH1 REV1*

BLOCK 8: Drawing numbers are being removed from previously approved ECNs. See page 3, Item 1A, 2A, 3A, & 4A, for drawing numbers removed from Affected Document list.

BLOCK 9: B-714-21, B-714-27, B-714-72, & B-714-95.

\*\*\*\*\*  
SEE PAGE 3 FOR DESCRIPTION OF CHANGE  
\*\*\*\*\*

REGISTERED ENGINEER REVIEW NOT REQUIRED

13a. Justification (mark one)	Criteria Change <input type="checkbox"/>	Design Improvement <input type="checkbox"/>	Environmental <input type="checkbox"/>
As-Found <input type="checkbox"/>	Facilitate Const. <input type="checkbox"/>	Const. Error/Omission <input type="checkbox"/>	Design Error/Omission <input checked="" type="checkbox"/>

13b. Justification Details

SEE PAGE 3 FOR JUSTIFICATION DETAILS

14. Distribution (include name, MSIN, and no. of copies)		(303)	RELEASE STAMP
KEH DISTRIBUTION Const Doc Cntl S2-53	J. K. Epperley R1-29 R. K. Sanan [4] R4-05 J. E. Shapley N1-83 T. W. Staehr (PE) R3-27	OFFICIAL RELEASE BY WHC DATE FEB 22 1993 STA	13
WHC DISTRIBUTION Project Files R1-28 R. E. Clayton S1-54 M. W. Cline H6-24	J. E. Vanbeek R3-27 G. H. Weissberg R3-10 DOE/A. G. Lassila A5-10		

# ENGINEERING CHANGE NOTICE

15. Design Verification Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	16. Cost Impact <table style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;">ENGINEERING</td> <td style="width: 50%; text-align: center;">CONSTRUCTION</td> </tr> <tr> <td>Additional <input checked="" type="checkbox"/> \$ 365<sup>00</sup></td> <td>Additional <input type="checkbox"/> \$ N/A</td> </tr> <tr> <td>Savings <input type="checkbox"/> \$</td> <td>Savings <input type="checkbox"/> \$</td> </tr> </table>	ENGINEERING	CONSTRUCTION	Additional <input checked="" type="checkbox"/> \$ 365 <sup>00</sup>	Additional <input type="checkbox"/> \$ N/A	Savings <input type="checkbox"/> \$	Savings <input type="checkbox"/> \$	17. Schedule Impact (days) Improvement <input type="checkbox"/> Delay <input type="checkbox"/> N/A
ENGINEERING	CONSTRUCTION							
Additional <input checked="" type="checkbox"/> \$ 365 <sup>00</sup>	Additional <input type="checkbox"/> \$ N/A							
Savings <input type="checkbox"/> \$	Savings <input type="checkbox"/> \$							

18. Change Impact Review: Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 12. Enter the affected document number in Block 19.

SDD/DD <input type="checkbox"/>	Seismic/Stress Analysis <input type="checkbox"/>	Tank Calibration Manual <input type="checkbox"/>
Functional Design Criteria <input type="checkbox"/>	Stress/Design Report <input type="checkbox"/>	Health Physics Procedure <input type="checkbox"/>
Operating Specification <input type="checkbox"/>	Interface Control Drawing <input type="checkbox"/>	Spare Multiple Unit Listing <input type="checkbox"/>
Criticality Specification <input type="checkbox"/>	Calibration Procedure <input type="checkbox"/>	Test Procedures/Specification <input type="checkbox"/>
Conceptual Design Report <input type="checkbox"/>	Installation Procedure <input type="checkbox"/>	Component Index <input type="checkbox"/>
Equipment Spec. <input type="checkbox"/>	Maintenance Procedure <input type="checkbox"/>	ASME Coded Item <input type="checkbox"/>
Const. Spec. <input type="checkbox"/>	Engineering Procedure <input type="checkbox"/>	Human Factor Consideration <input type="checkbox"/>
Procurement Spec. <input type="checkbox"/>	Operating Instruction <input type="checkbox"/>	Computer Software <input type="checkbox"/>
Vendor Information <input type="checkbox"/>	Operating Procedure <input type="checkbox"/>	Electric Circuit Schedule <input type="checkbox"/>
OM Manual <input type="checkbox"/>	Operational Safety Requirement <input type="checkbox"/>	ICRS Procedure <input type="checkbox"/>
FSAR/SAR <input type="checkbox"/>	IEFD Drawing <input type="checkbox"/>	Process Control Manual/Plan <input type="checkbox"/>
Safety Equipment List <input type="checkbox"/>	Cell Arrangement Drawing <input type="checkbox"/>	Process Flow Chart <input type="checkbox"/>
Radiation Work Permit <input type="checkbox"/>	Essential Material Specification <input type="checkbox"/>	Purchase Requisition <input type="checkbox"/>
Environmental Impact Statement <input type="checkbox"/>	Fac. Proc. Samp. Schedule <input type="checkbox"/>	
Environmental Report <input type="checkbox"/>	Inspection Plan <input type="checkbox"/>	
Environmental Permit <input type="checkbox"/>	Inventory Adjustment Request <input type="checkbox"/>	

19. Other Affected Documents: (NOTE: Documents listed below will not be revised by this ECN.) Signatures below indicate that the signing organization has been notified of other affected documents listed below.

Document Number/Revision	Document Number/Revision	Document Number/Revision
--------------------------	--------------------------	--------------------------

20. Approvals

	Signature	Date		Signature	Date
<b>OPERATIONS AND ENGINEERING</b>					
Cog Engineer	<i>J. Van...</i>	2/17/93	ARCHITECT-ENGINEER	<i>C. B.</i>	2/10/93
Cog. Mgr.	<i>J. Van...</i>	2/17/93	PE	<i>B. R. Fillin</i>	1-18-93
QA			QA	<i>D. W. ...</i>	1-18-93
Safety			Safety	<i>M. A. McLean</i>	1-15-93
Security			Design-PIPING	<i>R. Nally</i>	1-15-93
Environ.			ENVR	<i>R. Nally</i>	1-15-93
Projects/Programs			Other-PLC	<i>R. Nally</i>	2-8-93
Tank Waste Remediation System			CQA	<i>J. A. ...</i>	2-10-93
Facilities Operations					
Restoration & Remediation			DEPARTMENT OF ENERGY		
Operations & Support Services			Signature or Letter No.		
IRM					
Other			ADDITIONAL		

9303-4-03135

**Block 13b (JUSTIFICATION DETAILS):**

Drawings H-2-77603 & H-2-98442 were inadvertently placed in projects status for B-714. Said drawings are to be "as-built" under Project W-213 (Grout Vault Support Equipment). ECN generated per instruction from WHC Document Control (B. M. Sullivan). The WHC Document Control database will reflect historical information in order to maintain traceability.

Technical contents deleted from noted B-714 ECNs shall be transferred to ECN W-213-008. This ECN is for administrative purposes only (traceability) and DOES NOT impact the integrity of the original facility design.

\*\*\*\*\*

**Block 12 (DESCRIPTION OF CHANGES):**1) ECN B-714-21

- A) Block 8 (Document Number Affected): Delete H-2-98442, Sh 1, Rev 1 and H-2-98442, Sh 2, Rev 1
- B) X-OUT information pertaining to the above listed drawings and add note "SEE ECN W-213-008"

2) ECN B-714-27

- A) Block 8 (Document Number Affected): Delete H-2-98442, Sh 1, Rev 0 and H-2-98442, Sh 2, Rev 0
- B) X-OUT description of change items A & B in their entirety and add note "SEE ECN W-213-008"

3) ECN B-714-72

- A) Block 8 (Document Number Affected): Delete H-2-98442, Sh 1, Rev 1 and H-2-98442, Sh 2, Rev 1
- B) X-OUT description of change items 1 & 2 in their entirety and add note "SEE ECN W-213-008"

4) ECN B-714-95

- A) Block 8 (Document Number Affected): Delete H-2-77603, Sh 1, Rev 1
- B) Page 4: X-OUT description of change for item 9 in its entirety and add note "SEE ECN W-213-008"

931304.306

Distribution:

J. H. Anttonen	RL	R3-73
B. A. Austin	WHC	B2-35
J. K. Bartz	MACTEC	A4-35
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G. D. Carpenter	WHC	H6-30
R. Carreon	RL	R3-74
M. S. Cochrane	WHC	S1-52
R. E. Cordts	Ecology	
C. E. Clark	RL	A5-15
M. W. Cline	WHC	H6-24
L. P. Diediker	WHC	T1-30
C. K. Disibio	WHC	B3-15
D. L. Duncan	EPA	HW-106
C. J. Geier	WHC	H6-21
W. T. Gretsinger	WHC	R4-01
L. A. Huffman	RL	R3-74
M. Jaraysi	Ecology	
P. J. Mackey	WHC	B3-15
K. S. McCullough	WHC	H4-70
R. J. Murkowski	WHC	R4-02
S. M. Price	WHC	H6-23
J. E. Rasmussen	RL	A5-15
S. H. Rifaey	WHC	S6-12
R. K. Sanan	WHC	R4-05
G. H. Sanders	RL	R3-74
S. A. Thompson	WHC	H6-24
H. T. Tilden II	PNL	P7-68
J. E. Van Beek	WHC	R3-27
J. A. Voogd	WHC	H5-49
R. F. Wood	WHC	R4-01
G. D. Wright	WHC	R3-10

ADMINISTRATIVE RECORD: Grout Treatment Facility, TD-2-1  
[Care of EPIC, WHC (H6-08)]

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Please send comments on distribution list to Kathy Knox, WHC (H6-24),  
(509) 372-3596.

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