

S

<b>CH2M HILL ENGINEERING CHANGE NOTICE</b>	1a. ECN 723410 R 0
Page 1 of 2 <input checked="" type="checkbox"/> DM <input checked="" type="checkbox"/> FM <input type="checkbox"/> TM	1b. Proj. ECN    N/A -    -    R

2. Simple Modification <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3. Design Inputs – For full ECNs, record information on the ECN-1 Form (not required for Simple Modifications)	4. Date 08/09/05
5. Originator's Name, Organization, MSIN, & Phone No. John Schofield, Retrieval/Closure Project, S7-12, 373-2245	6. USQ Number No. - - - R -  <input checked="" type="checkbox"/> N/A	7. Related ECNs N/A

8. Title Change C-200 Retrieval F&R RPP-16525 Rev 6 to RPP-16525 Rev 6A	9. Bldg. / Facility No. C-200/241-C	10. Equipment / Component ID C-200-Series Tanks	11. Approval Designator E
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12. Engineering Documents/Drawings to be Changed (Incl. Sheet & Rev. Nos.) RPP-16525 Revision 6A	13. Safety Designation <input type="checkbox"/> SC <input type="checkbox"/> SS <input type="checkbox"/> GS <input checked="" type="checkbox"/> N/A	14. Expedited/Off-Shift ECN? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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15a. Work Package Number N/A	15b. Modification Work Completed  N/A <small>Responsible Engineer / Date</small>	15c. Restored to Original Status (TM)  N/A <small>Responsible Engineer / Date</small>	16. Fabrication Support ECN? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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17. Description of the Change (Use ECN Continuation pages as needed)  
Replace pg. vi of RPP-16525 Rev 6 with new pg. vi and add Appendix C.

18. Justification of the Change (Use ECN Continuation pages as needed) Appendix C is added as to provide a referenceable location for WDOE approved change notices to this document. The change notice included with this ECN is the approved form permitting revision to drain lines from equipment to C-201 and C-204. No wording changes are made to the main body of the document besides the Table of Contents page. the approved change notice documents WDOE approval of variance from the drain line description in the document.  The USQ process is N/A for this document change. No facility modifications, procedure changes, or tests/experiments are affected by this revision. <i>JSS 8/9/05</i>	19. ECN Category <input checked="" type="checkbox"/> Direct Revision <input type="checkbox"/> Supplemental <input type="checkbox"/> Void/Cancel  <u>ECN Type</u> <input type="checkbox"/> Supercedure <input type="checkbox"/> Revision
--	--

20. Distribution			
Name	MSIN	Name	MSIN
J. S. Conrad	S7-03	W.T. Thompson	S7-70
J.S. Boettger	S7-24	K. N. Jordan	S7-66
R. E. Bauer	S7-67	J.S. Schofield	S7-12
M.N. Jarayssi	H6-03		
D. B. Parkman	S7-67	Central Files	B1-07
D.G. Baide	S7-70		
J.J. Luke	H6-03		

Release Stamp

AUG 11 2005

DATE:                      HANFORD

STA: 15                      RELEASE                      ID:

# CH2M HILL ENGINEERING CHANGE NOTICE

1a. ECN 723410 R 0

Page 2 of 2

DM     FM     TM

1b. Proj. ECN    N/A -    -    R

**21. Revisions Planned (Include a brief description of the contents of each revision)**

No other changes planned.

**22. Design Basis Documents**

Yes     No

Note: All revisions shall have the approvals of the affected organizations as identified in block 11 "Approval Designator," on page 1 of this ECN.

**23. Commercial Grade Item Dedication Numbers (associated with this design change)**  
N/A

**24. Engineering Data Transmittal Numbers (associated with this design change, e.g., new drawings, new documents)**  
N/A

**25. Other Non Engineering (not in HDCS) documents that need to be modified due to this change**

Type of Document	Document Number	Update Completed On	Responsible Engineer (print/sign and date)
Alarm Response Procedure	N/A	N/A	N/A
Operations Procedure	N/A	N/A	N/A
Maintenance Procedure	N/A	N/A	N/A
Type of Document	Document Number	Type of Document	Document Number
N/A	N/A	N/A	N/A

**26. Field Change Notice(s) Used?**

Yes     No

If Yes, Record information on the ECN-2 Form, attach form(s), include a description of the interim resolution on ECN Page 1, block 17, and identify permanent changes.

NOTE: ECNs are required to record and approve all FCNs issued. If the FCNs have not changed the original design media then they are just incorporated into the design media via an ECN. If the FCN did change the original design media then the ECN will include the necessary engineering changes to the original design media.

**27. Design Verification Required?**

Yes     No

If Yes, as a minimum attach the one page checklist from TFC-ENG-DESIGN-P-17.

**28. Approvals**

Facility/Project Signatures	Date	A/E Signatures	Date
Design Authority <u>E.W. Girgis</u> <i>E.W. Girgis</i>	<u>8/9/05</u>	Originator/Design Agent <u>N/A</u>	
Resp. Engineer <u>R.E. Bauer</u> <i>R.E. Bauer</i>	<u>8/9/05</u>	Professional Engineer <u>N/A</u>	
Resp. Manager <u>W.T. Thompson</u> <i>W.T. Thompson</i>	<u>8/9/05</u>	Project Engineer <u>N/A</u>	
Quality Assurance <u>N/A</u>		Quality Assurance <u>N/A</u>	
IS&H Engineer <u>N/A</u>		Safety <u>N/A</u>	
NS&L Engineer <u>N/A</u>		Designer <u>N/A</u>	
Environ. Engineer <u>J.S. Conrad</u> <i>J.S. Conrad</i>	<u>8/9/05</u>	Environ. Engineer <u>N/A</u>	
Engineering Checker <u>N/A</u> <i>N/A</i>	<u>8/9/05</u>	Other <u>N/A</u>	
Other <u>Project Manager K. N. Jordan</u> <i>K.N. Jordan</i>	<u>8/9/05</u>	Other <u>N/A</u>	
Other <u>Mgr. Envir. Strategies M. N. Jarayasi</u> <i>M.N. Jarayasi</i>	<u>8/10/05</u>	<b>DEPARTMENT OF ENERGY / OFFICE OF RIVER PROTECTION</b>	
Other <u>J. S. Schofield</u> <i>J.S. Schofield</i>	<u>8/9/05</u>	Signature or a Control Number that tracks the Approval Signature	
Other <u>N/A</u>			
Other <u>N/A</u>		ADDITIONAL SIGNATURES	
Other <u>N/A</u>			
Other <u>N/A</u>			

# C-200-Series Tanks Retrieval Functions and Requirements

JS Schofield  
CH2M Hill Hanford Group, Inc.  
Richland, WA 99352  
U.S. Department of Energy Contract DE-AC27-99RL-14047

EDT/ECN: ECN-723410-R0 UC:  
Org Code: Charge Code:  
B&R Code: Total Pages: 163

Key Words: C-201, C-202, C-203, C-204, Tanks Retrieval Functions and Requirements

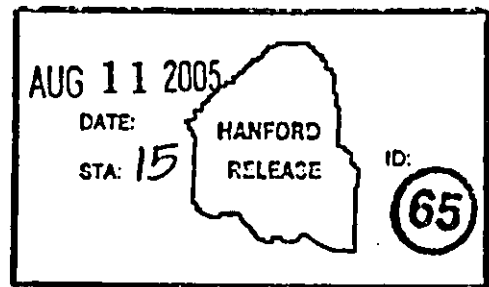
Abstract: This document establishes the C-200-Series Tanks Waste Retrieval Functions and Requirements

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Nancy A. Fouad      8-11-05  
Release Approval      Date



Release Stamp

APPROVED FOR PUBLIC RELEASE



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B	COMPLIANCE OF C-200-SERIES TANK RETREIVAL EQUIPMENT WITH WAC 173-303-640.....	B-i
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APPENDIX C

WASHINGTON STATE DEPARTMENT OF ECOLOGY APPROVED CHANGE NOTICE(S)

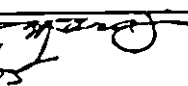

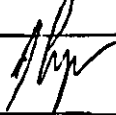
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**Office of River Protection, State of Washington Department of Ecology  
 Tank Waste Retrieval Work Plan/Functions and Requirements Modification Notice  
 (Per Hanford Federal Facility Agreement and Consent Order Section 9.3)**

<p><b>1. Document Title and Number: "C-200-Series Tanks Functions and Requirements"</b>                  RPP-16525, Rev. 6</p>		
<p><b>2. Minor Field Change:</b>                  (Section 12.4 HFFACO Action Plan)  <input type="checkbox"/> <b>Yes:</b> (CH2M HILL Hanford Signature Only – Attach signed form to Primary Document for record purposes)  <input checked="" type="checkbox"/> <b>No:</b> Proceed to Box 3</p>	<p><b>3. Document Issue Date:</b>                  October 20, 2004</p>	<p><b>5. Notice Number:</b></p>
	<p><b>4. Document Modification Notice Date:</b></p>	
<p><b>6. Do proposed changes require schedule changes?</b>                  (Would this extend completion of retrieval beyond 12 months from date of initiation?)  <input type="checkbox"/> <b>Yes</b>    <input checked="" type="checkbox"/> <b>No</b></p>	<p><b>7. Do proposed changes include specific additions, deletions, or modification to scope and/or requirements which affect the overall intent of the plan?</b>  <input type="checkbox"/> <b>Yes</b>    <input checked="" type="checkbox"/> <b>No</b></p>	<p><b>8. (Check only one box)</b>  <input type="checkbox"/> <b>Significant Modification</b>                  (Check if the answer to question in <u>either</u> section 6 or 7 is "yes". Significant modifications require revision of the primary document.)  <input type="checkbox"/> <b>Minor Modification</b>  <input type="checkbox"/> <b>Requires modification of the document</b>  <input checked="" type="checkbox"/> <b>Can be accomplished with Modification Notice.</b></p>
<p><b>9. Description and Justification of Change:</b> The proposed change is to route the retrieval system drain lines to tanks 241-C-201 and 241-C-204 (C-201 and C-204) during the period these tanks are being retrieved rather than leaving the drain lines connected to 241-C-202 per the plan described in the F&amp;R (page 25). The justification is that this eliminates the need to perform the reconfiguration construction of the retrieval system and subsequent retrieval operation to remove the drain liquid from C-202 following retrieval of C-201 and C-204. This change results in improvement in worker exposure, schedule, and cost without affecting the final waste volume left in any of the tanks following retrieval.</p>		
<p><b>10. Impact of Change:</b> The proposed change is a minor change to the plan that will not affect the overall intent of the plan or its schedule (HFFACO, Sec. 9.3). Eliminating a final retrieval of drain water from 241-C-201 and 241-C-204 to 241-C-202 would reduce a system line reconfiguration and potentially limit liquid waste generation through an extra tank retrieval. The drain water from 241-C-201 and 241-C-204 would go back to their tank of origin and be removed during the normal tank retrieval.</p>		
<p><b>10. Additional Requirements and/or Provisions:</b>                   N/A</p>		



**Office of River Protection, State of Washington Department of Ecology  
 Tank Waste Retrieval Work Plan/Functions and Requirements Modification Notice  
 (Per Hanford Federal Facility Agreement and Consent Order Section 9.3)**

<u>Approvals</u>		
CH2M HILL Hanford Group, Inc.	Office of River Protection	State of Wash., Dept. of Ecology
<input type="checkbox"/> Provisional Approval <sup>2</sup> Date	<input type="checkbox"/> Provisional Approval <sup>2</sup> Date	<input type="checkbox"/> Provisional Approval <sup>2</sup> Date
<input checked="" type="checkbox"/> Final Approval Date 8/5/05 	<input checked="" type="checkbox"/> Final Approval Date 8/5/05 	<input type="checkbox"/> Final Approval Date 9/8/05 

**Notes**

- 1 - For use by Ecology to identify any additional information needed to make a decision regarding the request for modifications. In addition, Ecology will identify actions, if any, regarding the modification request that DOE may take pending Ecology's final decision
- 2 - Provisional approval allows DOE and its contractors to take specific actions identified in section 10, prior to final approval of this modification.

## INFORMATION CLEARANCE REVIEW AND RELEASE APPROVAL

### Part I: Background Information

Title: <b>C-200-Series Tanks Retrieval Functions and Requirements</b>	Information Category: <input type="checkbox"/> Abstract <input type="checkbox"/> Journal Article <input type="checkbox"/> Summary <input type="checkbox"/> Internet <input type="checkbox"/> Visual Aid <input type="checkbox"/> Software <input type="checkbox"/> Full Paper <input type="checkbox"/> Report <input checked="" type="checkbox"/> Other <u>WMA C Closure WIR Reference</u>
Publish to OSTI? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Trademark/Copyright "Right to Use" Information or Permission Documentation <input type="checkbox"/> Yes <input checked="" type="checkbox"/> NA
Document Number: <b>RPP-16525 Revision 6A</b>	Date: <b>August 2005</b>
Author: <b>Darling, David (Dave) B</b>	

### Part II: External/Public Presentation Information

Conference Name:	
Sponsoring Organization(s): <b>Rebecca Blackwell</b>	
Date of Conference:	Conference Location:
Will Material be Handed Out? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Will Information be Published? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If Yes, attach copy of Conference format instructions/guidance.)</i>

### Part III: WRPS Document Originator Checklist

Description	Yes	N/A	Print/Sign/Date
Information Product meets requirements in TFC-BSM-AD-C-01?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Document Release Criteria in TFC-ENG-DESIGN-C-25 completed? (Attach checklist)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If product contains pictures, safety review completed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

### Part IV: WRPS Internal Review

Function	Organization	Date	Print Name/Signature/Date
Subject Matter Expert	WRPS		Darling, David (Dave) B    Approved via att. IDMS data file.
Responsible Manager	WRPS		Levitt, Marc T    Approved via att. IDMS data file.
Other:			

### Part V: IRM Clearance Services Review

Description	Yes	No	Print Name/Signature
Document Contains Classified Information?  _____ Print Name/Signature/Date	<input type="checkbox"/>	<input checked="" type="checkbox"/>	If Answer is "Yes," ADC Approval Required  _____ Print Name/Signature/Date
Document Contains Information Restricted by DOE Operational Security Guidelines?  _____ Print Name/Signature/Date	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Reviewer Signature:  _____ Print Name/Signature/Date
Document is Subject to Release Restrictions? <i>If the answer is "Yes," please mark category at right and describe limitation or responsible organization below:</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Document contains: <input type="checkbox"/> Applied Technology <input type="checkbox"/> Protected CRADA <input type="checkbox"/> Personal/Private <input type="checkbox"/> Export Controlled <input type="checkbox"/> Proprietary <input type="checkbox"/> Procurement – Sensitive <input type="checkbox"/> Patentable Info. <input type="checkbox"/> OUO <input type="checkbox"/> Predecisional Info. <input type="checkbox"/> UCNI <input type="checkbox"/> Restricted by Operational Security Guidelines <input type="checkbox"/> Other (Specify) _____
Additional Comments from Information Clearance Specialist Review?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Information Clearance Specialist Approval  <div style="border: 1px solid green; padding: 2px; display: inline-block; text-align: center;">                         APPROVED  <i>By Julia Killinger at 1:20 pm, Oct 24, 2024</i> </div> _____ Print Name/Signature/Date

**When IRM Clearance Review is Complete – Return to WRPS Originator for Final Signature Routing (Part VI) Page**

## INFORMATION CLEARANCE REVIEW AND RELEASE APPROVAL

### Part VI: Final Review and Approvals

<i>Description</i>	<i>Approved for Release</i>		<i>Print Name/Signature</i>
	Yes	N/A	
WRPS External Affairs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Marc Levitt - Approved via att. IDMS data file.
WRPS Office of Chief Counsel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Kyle Kneese - Approved via att. IDMS data file.
DOE – ORP Public Affairs/Communications	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Ed Dawson - Approved via att. IDMS data file.
Other: DOE SME	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Millikin, Emily - Approved via att. IDMS data file.
Other:	<input type="checkbox"/>	<input type="checkbox"/>	

Comments Required for WRPS-Indicate Purpose of Document:

Document is reference in Final WMA C Closure WIR and will be submitted to Hanford Administrative Record to be available to the public.

**APPROVED**  
By Julia Killinger at 1:30 pm, Oct 24, 2024

**Approved for Public Release;  
Further Dissemination Unlimited**

#### Information Release Station

Was/Is Information Product Approved for Release?  Yes  No

If Yes, what is the Level of Releaser?  Public/Unrestricted  Other (Specify) \_\_\_\_\_

Date Information Product Stamped/Marked for Release: 10/24/2024

Was/Is Information Product Transferred to OSTI?  Yes  No

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