

# START

0029596

## ENGINEERING CHANGE NOTICE

Page 1 of 3

1. ECN 169900

Proj.  
ECN

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"/> Supersedeure <input type="checkbox"/> Cancel/Void <input type="checkbox"/>		3. Originator's Name, Organization, MSIN, and Telephone No. K. J. Swett, 81231, H6-06, 2-2373		4. Date 6-30-93	
		5. Project Title/No./Work Order No. VOC-Arid ID & 200 W Carbon Tetrachloride ERA - H1BGA	6. Bldg./Sys./Fac. No. 200 West Area	7. Impact Level 3Q	
		8. Document Numbers Changed by this ECN (includes sheet no. and rev.) WHC-SD-EN-AP-109, Rev. 2	9. Related ECN No(s). NA	10. Related PO No. NA	
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. NA	11c. Modification Work Complete NA	11d. Restored to Original Condition (Temp. or Standby ECN only) NA		
		Cog. Engineer Signature & Date		Cog. Engineer Signature & Date	
12. Description of Change p. A-55, Sec. 8.1, 1st paragraph, 2nd sentence: Change to "The well will alternately be bailed and lightly developed with a vented surge block after installation of filter pack material and before installation of bentonite seal material for each screen interval to settle the filter pack." p. A-55, Sec. 8.1, 2nd paragraph, 1st sentence: Change to "After the well has been constructed, it will be developed, as directed specifically by the site hydrologist or other responsible person, first by surging each screen interval using a surge block followed by bailing. Surge block development will be followed by pulsed pumping (pupp on and off) in a stepwise fashion using a submersible pump witout a check valve." p. A-57, Sec. 8.2.2, 1st paragraph, 2nd sentence: Change "(without a check valve)" to "(with a check valve)".					
13a. Justification Criteria Change <input type="checkbox"/> Design Improvement <input type="checkbox"/> Environmental <input type="checkbox"/> As-Found <input checked="" type="checkbox"/> Facilitate Const. <input type="checkbox"/> Const. Error/Omission <input type="checkbox"/> Design Error/Omission <input type="checkbox"/>					
13b. Justification Details Changes required to meet site characterization objectives.					
14. Distribution (include name, MSIN, and no. of copies) V J Rohay H6-06 D J Moak N3-05 F Stone H6-01 A J Knepp H6-06 K J Swett H6-06 J M Jimenez N3-05 G V Last K6-96 B G Tuttle N3-06 K J Koegler H6-05 E C Vogt T5-50 S D Tomich K6-08 M C Hagood H6-04 D C Lanigan K6-84 <b>EDMC (2)   H6-08</b> Cen Files L8-04 S P Luttrell K6-96 L A Doremus K6-96 ERC H6-07 F A Morris BSRC, 4000 NE 41st St., Seattle, WA 98105-5428					RELEASE STAMP OFFICIAL RELEASE BY WHC DATE JUL 16 1993 <i>Station # 12</i>



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# ENGINEERING CHANGE NOTICE

<b>15. Design Verification Required</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>16. Cost Impact</b> <table style="width: 100%;"> <tr> <th style="width: 50%;">ENGINEERING</th> <th style="width: 50%;">CONSTRUCTION</th> </tr> <tr> <td>Additional <input type="checkbox"/> \$</td> <td>Additional <input type="checkbox"/> \$</td> </tr> <tr> <td>Savings <input type="checkbox"/> \$</td> <td>Savings <input type="checkbox"/> \$</td> </tr> </table>	ENGINEERING	CONSTRUCTION	Additional <input type="checkbox"/> \$	Additional <input type="checkbox"/> \$	Savings <input type="checkbox"/> \$	Savings <input type="checkbox"/> \$	<b>17. Schedule Impact (days)</b> Improvement <input type="checkbox"/> Delay <input type="checkbox"/>
ENGINEERING	CONSTRUCTION							
Additional <input type="checkbox"/> \$	Additional <input type="checkbox"/> \$							
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"/>	Spares 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"/>	<input type="checkbox"/>
Environmental Report <input type="checkbox"/>	Inspection Plan <input type="checkbox"/>	<input type="checkbox"/>
Environmental Permit <input type="checkbox"/>	Inventory Adjustment Request <input type="checkbox"/>	<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
None		

**20. Approvals**

Signature	Date	Signature	Date
<b>OPERATIONS AND ENGINEERING</b>		<b>ARCHITECT-ENGINEER</b>	
Cog Engineer V.J. Rohay <i>VJ Rohay</i>	6/30/93	PE	_____
Cog. Mgr. A. J. Knepp <i>AJ Knepp</i>	7/13/93	QA	_____
QA R. L. Hand <i>R Hand</i>	7/13/93	Safety	_____
Safety	_____	Design	_____
Security	_____	Environ.	_____
Environ. M. C. Hagood <i>MCHagood</i>	6/30/93	Other	_____
Projects/Programs	_____		_____
Tank Waste Remediation System	_____		_____
Facilities Operations	_____	<b>DEPARTMENT OF ENERGY</b>	
Restoration & Remediation	_____	Signature or Letter No.	
Operations & Support Services	_____		
IRM	_____	<b>ADDITIONAL</b>	
Other	_____		

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p. A-57, Sec. 8.2.2, 1st paragraph, 3rd sentence: Change to "The pump and packer system will be moved between each successive isolation test."

pp. A-57 to A-58, Sec. 8.2.3, 1st paragraph, 2nd sentence: Change to "The test design will involve pumping at a constant producing rate from the middle screen interval while monitoring pressures in the upper and lower screen intervals."

p. A-58, Sec. 8.2.3, 1st paragraph: Delete 3rd sentence.

P. A-58, Sec. 8.2.3, 5th paragraph: Change to "At a minimum, it is expected that the pumping test will last for approximately 48 hr ( $\pm$  24 hr) at a flow rate of approximately 37.5 L/min, yielding 108,000 L of purge water."

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U.S.

Date Received: <b>7-14-93 DS</b>	<b>INFORMATION RELEASE REQUEST</b>	Reference: WHC-CM-3-4
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Complete for all Types of Release		
<b>Purpose</b> <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 ECN 169900	ID Number (include revision, volume, etc.) <b>ECN 169900</b>  List attachments.   Date Release Required <p style="text-align: center;"><b>July 15, 1993</b></p>

Title: <b>Supplemental change to VOC-Arid ID &amp; 200 W Carbon Tetrachloride ERA, WHC-SD-EN-AP-109, Rev. 2</b>	Unclassified Category <b>UC- N/A</b>	Impact Level <b>3Q</b>
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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 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 <b>NA</b>	Group or Society Sponsoring		
Date(s) of Conference or Meeting	City/State	Will proceedings be published?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
Title of Journal <b>N/A</b>		Will material be handed out?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Title of Journal <b>N/A</b>
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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"/>	<i>Del OGC Mans 2-4-93 DS</i>
Legal - General Counsel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<i>Del OGC Mans 2-4-93 DS</i>
Applied Technology/Export 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	Yes	No	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Transmit to DOE-HQ/Office of Scientific and Technical Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Author/Requestor (Printed/Signature)			Date
<b>K. J. Swett</b>	<i>KJ Swett</i>		<b>7-14-93</b>
Intended Audience			
<input type="checkbox"/> Internal <input type="checkbox"/> Sponsor <input checked="" type="checkbox"/> External			
Responsible Manager (Printed/Signature)			Date
<b>A. J. Knepp</b>	<i>AJ Knepp</i>		<b>7/14/93</b>

INFORMATION RELEASE ADMINISTRATION APPROVAL STAMP	
Stamp is required before release. Release is contingent upon resolution of mandatory comments.	
	
Date Cancelled	Date Disapproved

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