

## ENGINEERING CHANGE NOTICE

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1. ECN 169851

Proj.  
ECN

2. ECN Category (mark one) Cancel/Void <input type="checkbox"/>		Supplemental <input checked="" type="checkbox"/> <i>09</i>	Change ECN <input type="checkbox"/>	Supersedeure <input type="checkbox"/>
		Direct Revision <input checked="" type="checkbox"/>	Temporary <input type="checkbox"/>	Discovery <input type="checkbox"/>
3. Originator's Name, Organization, MSIN, and Telephone No. C. D. Delaney, Geosciences Group, H4-56, 6-9235			4. Date 8/20/92	
5. Project Title/No./Work Order No. <i>W81223/AWCAC</i> Site Characterization Work Plan--200 Areas Treated Effluent Disposal Basin, Project W-049H		6. Bldg./Sys./Fac. No. 600 Area		7. Impact Level 3Q
8. Document Number Affected (include rev. and sheet no.) WHC-SD-W049H-/WP-001, Rev. 1		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 Doc. No. NA	11c. Complete Installation Work NA _____ Cog. Engineer Signature & Date		11d. Complete Restoration (Temp. ECN only) NA _____ Cog. Engineer Signature & Date
12. Description of Change Page 74, Section 4.1, 1st paragraph, 2nd sentence will read "Applicable procedures include EII 1.6, "Records Management", EII 5.7a, "Hanford Geochemical Sample Library", EII 6.1, "Activity Reports of Field Operations," EII 9.1, "Geologic Logging," and EII 14.1, "Analytical Laboratory Data Management". Field logbooks will not be used. All field activity will be recorded on the Activity Report.  Page 80, Section 5.2, 2nd paragraph will read "Each sample must be identified by well number and sample depth. Geologic characteristics of each sample will be described on the geologic borehole log per EII 9.1."  Page 83, Section 5.4.3, will read "Chip samples (from well cuttings) will be collected at 5-ft intervals and stored in the Hanford Geologic Sample Library to provide a permanent record of the stratigraphy at the well location. Split-spoon samples will not be collected for storage in the Hanford Geologic Sample Library."				
13a. Justification (mark one) Design Error/Omission <input type="checkbox"/>		Criteria Change <input checked="" type="checkbox"/>	Environmental <input type="checkbox"/>	Facilitate Const. <input type="checkbox"/>
		Design Improvement <input type="checkbox"/>	As-Found <input type="checkbox"/>	Const. Error/Omission <input type="checkbox"/>
13b. Justification Details Changes are required to follow current field procedures for drilling and completion of RCRA groundwater monitoring wells.				
14. Distribution (include name, MSIN, and no. of copies) EXTERNAL LIMITS			RELEASE STAMP	
			OFFICIAL RELEASE BY WHC DATE AUG 21 1992 <i>Sta. 21</i>	

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1. ECN (use no. from pg. 1)  
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<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> <td style="width: 50%; text-align: center;"><b>ENGINEERING</b></td> <td style="width: 50%; text-align: center;"><b>CONSTRUCTION</b></td> </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>	<b>ENGINEERING</b>	<b>CONSTRUCTION</b>	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"/>
<b>ENGINEERING</b>	<b>CONSTRUCTION</b>							
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

**20. Approvals**

Signature	Date	Signature	Date
<b>OPERATIONS AND ENGINEERING</b>		<b>ARCHITECT-ENGINEER</b>	
og./Project Engineer JD Davis <i>J.D. Davis</i>	<u>8/20/92</u>	PE	_____
Cog./Project Engr. Mgr. MJ Lauterbach <i>M.J. Lauterbach</i>	<u>8/21/92</u>	QA	_____
QA <del>WE</del> <i>W.E. Theobald</i>	<u>8/20/92</u>	Safety	_____
Safety	_____	Design	_____
Security	_____	Other	_____
Proj. Prog./Dept. Mgr. JE Thrasher <i>Joseph E. Thrasher</i>	<u>8/21/92</u>	_____	_____
Def. React. Div.	_____	_____	_____
Chem. Proc. Div.	_____	_____	_____
Def. Wst. Mgmt. Div.	_____	<b>DEPARTMENT OF ENERGY</b>	_____
Adv. React. Dev. Div.	_____	_____	_____
Proj. Dept. MC Carrigan	_____	_____	_____
Environ. Div. <i>Don W. Krif</i>	<u>8/21/92</u>	<b>ADDITIONAL</b>	_____
IRM Dept.	_____	_____	_____
Facility Rep. (Ops.)	_____	_____	_____
Other	_____	_____	_____
Project Scientist CD Delaney <i>CD Delaney</i>	<u>8/20/92</u>	_____	_____



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 checked="" 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 type="checkbox"/> Other	ID Number (include revision, volume, etc.) <u>WHC-SD-W0494-WP-001 REV 1-A</u> List attachments. Date Release Required
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Title SITE CHARACTERIZATION WORK PLAN--ZOO AREAS TREATED EFFLUENT DISPOSAL BASIN, PROJECT W-0494 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 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 <u>N.A.</u>	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

Title of Journal  
N.A.

CHECKLIST FOR SIGNATORIES

Review Required per WHC-CM-3-4	Yes	No	Reviewer - Signature	Indicates Approval	Date
			Name (printed)	Signature	
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/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	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Transmit to DOE-HQ/Office of Scientific and Technical Information	<input type="checkbox"/> Yes <input type="checkbox"/> No
Author/Requestor (Printed/Signature)	Date
<u>JERRY D. DAW</u> <u>Jerry D. Daw</u>	<u>8/21/92</u>
Intended Audience	
<input type="checkbox"/> Internal <input type="checkbox"/> Sponsor <input checked="" type="checkbox"/> External	
Responsible Manager (Printed/Signature)	Date
<u>See attached ECN signature</u>	

**INFORMATION RELEASE ADMINISTRATION APPROVAL STAMP**

Stamp is required before release. Release is contingent upon resolution of mandatory comments.



Date Cancelled \_\_\_\_\_ Date Disapproved \_\_\_\_\_