


START

9513320.2404

0039314

ENGINEERING CHANGE NOTICEPage 1 of 21. ECN **600906**Proj.
ECN

2. ECN Category (mark one)		3. Originator's Name, Organization, MSIN, and Telephone No.		4. Date	
Supplemental <input type="checkbox"/>		K. N. Pool, Hanford Analytical Services		09/27/93	
Direct Revision <input checked="" type="checkbox"/>		Management, H4-23, 372-2557			
Change ECN <input type="checkbox"/>		5. Project Title/No./Work Order No.		6. Bldg./Sys./Fac. No.	
Temporary <input type="checkbox"/>		SST C-109 CORES 47, 48 AND 49		NA	
Standby <input type="checkbox"/>		8. Document Numbers Changed by this ECN (includes sheet no. and rev.)		9. Related ECN No(s).	
Supersedeure <input type="checkbox"/>		WHC-SD-WM-DP-036, REV 0		NA	
Cancel/Void <input type="checkbox"/>				10. Related PO No.	
				NA	
11a. Modification Work		11b. Work Package No.	11c. Modification Work Complete		11d. Restored to Original Condition (Temp. or Standby ECN only)
[] Yes (fill out Blk. 11b)		NA	NA		NA
[X] No (NA Blks. 11b, 11c, 11d)		_____ Cog. Engineer Signature & Date		_____ Cog. Engineer Signature & Date	
12. Description of Change					
Page changes for the following pages;					
Remove page 7, insert page 7 (Rev 0-A)					
Remove page 112, insert page 112 (Rev 0-A)					
Remove page 113, insert page 113 (Rev 0-A)					
Insert page 113.1 (Rev 0 didn't include this page)					
Remove page 114, insert page 114 (Rev 0-A)					
Remove page 115, insert page 115 (Rev 0-A)					
Remove page 116, insert page 116 (Rev 0-A)					
Remove page 117, insert page 117 (Rev 0-A)					
Remove page 118, insert page 118 (Rev 0-A)					
					
13a. Justification (mark one)		Criteria Change []	Design Improvement []	Environmental [X]	
As-Found []		Facilitate Const. []	Const. Error/Omission []	Design Error/Omission []	
13b. Justification Details					
The analyses results have been corrected.					
14. Distribution (include name, MSIN, and no. of copies)				RELEASE STAMP	
Please see attached distribution sheet.				OFFICIAL RELEASE BY WMO DATE SEP 29 1993 55 STA.4	

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ENGINEERING CHANGE NOTICE				Page 2 of 2	1. ECM (use no. from pg. 1) 600906					
15. Design Verification Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	16. Cost Impact <table style="width:100%; border: none;"> <tr> <td style="width: 50%; text-align: center;">ENGINEERING</td> <td style="width: 50%; text-align: center;">CONSTRUCTION</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>			ENGINEERING	CONSTRUCTION	Additional <input type="checkbox"/> \$	Additional <input type="checkbox"/> \$	Savings <input type="checkbox"/> \$	Savings <input type="checkbox"/> \$	17. Schedule Impact (days) 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"/> Functional Design Criteria <input type="checkbox"/> Operating Specification <input type="checkbox"/> Criticality Specification <input type="checkbox"/> Conceptual Design Report <input type="checkbox"/> Equipment Spec. <input type="checkbox"/> Const. Spec. <input type="checkbox"/> Procurement Spec. <input type="checkbox"/> Vendor Information <input type="checkbox"/> OM Manual <input type="checkbox"/> FSAR/SAR <input type="checkbox"/> Safety Equipment List <input type="checkbox"/> Radiation Work Permit <input type="checkbox"/> Environmental Impact Statement <input type="checkbox"/> Environmental Report <input type="checkbox"/> Environmental Permit <input type="checkbox"/>	<input type="checkbox"/> Solenic/Stress Analysis <input type="checkbox"/> Stress/Design Report <input type="checkbox"/> Interface Control Drawing <input type="checkbox"/> Calibration Procedure <input type="checkbox"/> Installation Procedure <input type="checkbox"/> Maintenance Procedure <input type="checkbox"/> Engineering Procedure <input type="checkbox"/> Operating Instruction <input type="checkbox"/> Operating Procedure <input type="checkbox"/> Operational Safety Requirement <input type="checkbox"/> IEPD Drawing <input type="checkbox"/> Cell Arrangement Drawing <input type="checkbox"/> Essential Material Specification <input type="checkbox"/> Fac. Proc. Semp. Schedule <input type="checkbox"/> Inspection Plan <input type="checkbox"/> Inventory Adjustment Request	<input type="checkbox"/> Tank Calibration Manual <input type="checkbox"/> Health Physics Procedure <input type="checkbox"/> Spare Multiple Unit Listing <input type="checkbox"/> Test Procedures/Specification <input type="checkbox"/> Component Index <input type="checkbox"/> ASME Coded Item <input type="checkbox"/> Human Factor Consideration <input type="checkbox"/> Computer Software <input type="checkbox"/> Electric Circuit Schedule <input type="checkbox"/> ICRS Procedure <input type="checkbox"/> Process Control Manual/Plan <input type="checkbox"/> Process Flow Chart <input type="checkbox"/> Purchase Requisition								
19. Other Affected Documents: (NOTE: Documents listed below will not be revised by this ECM.) 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					
OPERATIONS AND ENGINEERING			ARCHITECT-ENGINEER							
Cog Engineer K. N. POOL	<i>K.N. Pool</i>	<u>9/28/93</u>	PE							
Cog. Mgr. K. N. POOL	<i>K.N. Pool</i>	<u>9/28/93</u>	QA							
QA J. C. LANGFORD	<i>J.C. Langford</i>	<u>9/27/93</u>	Safety							
Safety			Design							
Security			Environ.							
Environ.			Other							
Projects/Programs										
Tank Waste Remediation System										
Facilities Operations			DEPARTMENT OF ENERGY							
Restoration & Remediation			Signature or Letter No.							
Operations & Support Services										
IRM			ADDITIONAL							
Other										

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SEP 29 1993

Date Received: 9/28/93 HME	INFORMATION RELEASE REQUEST		Reference: WMC-CN-3-4
Complete for all Types of Release			
Purpose		ID Number (include revision, volume, etc.) WMC-SD-WM-DP-036, REV 0-A	
<input type="checkbox"/> Speech or Presentation	<input type="checkbox"/> Reference	List attachments. ECN 600906	
<input type="checkbox"/> Full Paper (Check only one suffix)	<input checked="" type="checkbox"/> Technical Report		
<input type="checkbox"/> Summary	<input type="checkbox"/> Thesis or Dissertation	Date Release Required 09/27/93	
<input type="checkbox"/> Abstract	<input type="checkbox"/> Manual		
<input type="checkbox"/> Visual Aid	<input type="checkbox"/> Brochure/Flier		
<input type="checkbox"/> Speakers Bureau	<input type="checkbox"/> Software/Database		
<input type="checkbox"/> Poster Session	<input type="checkbox"/> Controlled Document		
<input type="checkbox"/> Videotape	<input type="checkbox"/> Other		
Title PNL 325 LABORATORIES SINGLE SHELL TANK WASTE CHARACTERIZATION, TANK C-109 CORES 47, 48 AND 49 - DATA PACKAGE		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 WMC 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 NA		Group or Society Sponsoring NA	
Date(s) of Conference or Meeting NA	City/State NA	Will proceedings be published? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Will material be handed out? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Title of Journal NA			
CHECKLIST FOR SIGNATORIES			
Review Required per WMC-CN-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 checked="" type="checkbox"/>	<input type="checkbox"/>	Per OGC 2-4-93 memo J.W.L. 9-27-93
Legal - General Counsel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Per OGC 2-4-93 memo J.W.L. 9-27-93
Applied Technology/Export Controlled Information or International Program	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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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		INFORMATION RELEASE ADMINISTRATION APPROVAL STAMP	
Transmit to DOE-HQ/Office of Scientific and Technical Information <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Stamp is required before release. Release is contingent upon resolution of mandatory comments.	
Author/Requestor (Printed/Signature) K. K. GIAMBERARDINI Date 9-28-93			
Intended Audience <input type="checkbox"/> Internal <input type="checkbox"/> Sponsor <input checked="" type="checkbox"/> External			
Responsible Manager (Printed/Signature) K. K. GIAMBERARDINI Date 9-28-93			
Date Cancelled		Date Disapproved	

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SUPPORTING DOCUMENT		1. Total Pages ²⁰ 3614
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5. Key Words SINGLE SHELL TANK, PNL LABORATORIES, TANK C-109, CORES 47 48 49, WASTE CHARACTERIZATION, ANALYSES, DATA PACKAGE, VALIDATION SUMMARY		6. Author Name: K. N. Pool <i>K. N. Pool</i> 9/28/93 Signature Organization/Charge Code 12610/J120H
7. Abstract <p style="text-align: center;">APPROVED FOR PUBLIC RELEASE</p>		
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9. Impact Level 3Q		

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RECORD OF REVISION		(1) Document Number WHC-SD-WM-DP-036	Page 1
(2) Title PNL 325 LABORATORIES SINGLE SHELL TANK WASTE CHARACTERIZATION, TANK C-109 CORES 47, 48, AND 49 - DATA PACKAGE			
CHANGE CONTROL RECORD			
(3) Revision	(4) Description of Change - Replace, Add, and Delete Pages	Authorized for Release	
		(5) Cor. Engr.	(6) Cor. Mgr. Date
0-ARS	(7) ECN 600906	K. N. POOL <i>Karl N. Pool</i> 9/28/93	K. N. POOL <i>Karl N. Pool</i> 9/28/93

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WHC-SD-WM-DP-030
REV 0-A

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