

DISTRIBUTION SHEET

To Distribution	From R. D. Routh	Page 1 of 1
Project Title/Work Order Assembly Procedure for Column Cutting Platform		Date
		EDT No. 609371
		ECN No. NA

Name	MSIN	Text With All Attach.	Text Only	Attach./Appendix Only	EDT/ECN Only
B. L. Aftanas	H5-70	X			
C. R. Brewer	S3-15	X			
C. E. Hanson	H5-09	X			
L. S. Krogsrud	R3-08	X			
J. W. Lentsch	R2-78	X			
T. C. Mackey	S2-03	X			
M. L. McElroy	S1-57	X			
*M. J. Ostrom (ADVANCE RELEASE COPY)	H5-70	X			
R. D. Routh	H5-09	X			
T. R. Wilson	H5-09	X			
Project Files	H5-09	X			
<hr/>					
OSTI (2)	LB-07	X			
Central Files (2)	LB-04	X			

MAR 16 1995

21

ENGINEERING DATA TRANSMITTAL

Page 1 of 1

1. EDT

609371

Sta. 21

2. To: (Receiving Organization) Distribution	3. From: (Originating Organization) Special Projects 71650/N2B2K	4. Related EDT No.: NA
5. Proj./Prog./Dept./Div.: Equipment Removal System	6. Cog. Engr.: M. J. Ostrom	7. Purchase Order No.: NA
8. Originator Remarks: This supporting document describes the assembly procedure for the Column Cutting Platform and Elevation Support.		9. Equip./Component No.: NA
11. Receiver Remarks:		10. System/Bldg./Facility: 241-SY-101
		12. Major Assm. Dwg. No.: NA
		13. Permit/Permit Application No.: NA
14. Required Response Date:		

15. DATA TRANSMITTED					(F)	(G)	(H)	(I)
(A) Item No.	(B) Document/Drawing No.	(C) Sheet No.	(D) Rev. No.	(E) Title or Description of Data Transmitted	Approval Designator	Reason for Transmittal	Originator Disposition	Receiver Disposition
1	WHC-SD-WM-DA-184 WHC-SD-WM-PROC-018	3/15/95	0	Assembly Procedure, Column Cutting Platform		1	1	

16. KEY					
Approval Designator (F)		Reason for Transmittal (G)		Disposition (H) & (I)	
E, S, Q, D or N/A (see WHC-CM-3-5, Sec. 12.7)	1. Approval 2. Release 3. Information	4. Review 5. Post-Review 6. Dist. (Receipt Acknow. Required)	1. Approved 2. Approved w/comment 3. Disapproved w/comment	4. Reviewed no/comment 5. Reviewed w/comment 6. Receipt acknowledged	

17. SIGNATURE/DISTRIBUTION (See Approval Designator for required signatures)											
(G)	(H)	(J) Name	(K) Signature	(L) Date	(M) MSIN	(J) Name	(K) Signature	(L) Date	(M) MSIN	(G)	(H)
1	1	Cog. Engr. MJ Ostrom	<i>M. J. Ostrom</i>	3-6-95	H5-68						
1	1	Cog. Mgr. CE Hanson	<i>CE Hanson</i>	3/14/95	H5-09						
1	1	TC Mackey	<i>Thomas Peterson</i>	3/23/95	R3-03						
1	1	Safety LS Krogsrud	<i>LS Krogsrud</i>	3/14/95	R3-08						
1	1	Crane & Rig. CE Brewer	<i>Craig Brewer</i>	3/2/95	S3-15						

18. <i>M. J. Ostrom</i> MJ Ostrom Signature of EDT Originator Date: 3-6-95	19. <i>CE Hanson</i> CE Hanson Authorized Representative for Receiving Organization Date: 3/14/95	20. <i>CE Hanson</i> CE Hanson Cognizant Manager Date: 3/14/95	21. DOE APPROVAL (if required) Ctrl. No. <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/comments <input type="checkbox"/> Disapproved w/comments
---	--	---	---

RELEASE AUTHORIZATION

Document Number: WHC-SD-WM-PROC-018, Rev. 0

Document Title: Assembly Procedure for Column Cutting Platform

Release Date: 3/16/95

**This document was reviewed following the
procedures described in WHC-CM-3-4 and is:**

APPROVED FOR PUBLIC RELEASE

WHC Information Release Administration Specialist:

V. L. Birkland

V.L. Birkland

3/16/95

TRADEMARK DISCLAIMER. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof or its contractors or subcontractors.

This report has been reproduced from the best available copy. Available in paper copy and microfiche. Printed in the United States of America. Available to the U.S. Department of Energy and its contractors from:

U.S. Department of Energy
Office of Scientific and Technical Information (OSTI)
P.O. Box 62
Oak Ridge, TN 37831
Telephone: (615) 576-8401

Available to the public from: U.S. Department of Commerce
National Technical Information Service (NTIS)
5285 Port Royal Road
Springfield, VA 22161
Telephone: (703) 487-4650

SUPPORTING DOCUMENT

1. Total Pages 6

2. Title
Assembly Procedure for Column Cutting Platform

3. Number
WHC-SD-WM-PROC-018
~~WHC-SD-WM-DA-184~~

4. Rev No.
0

5. Key Words
assembly procedure
column cutting
241SY101
pump removal

6. Author *RDB 3/15/95*
Name: R. D. Routh
R. D. Routh
Signature
Organization/Charge Code 71650/N2B2K

7. Abstract

This supporting document describes the assembly procedure for the Column Cutting Platform and Elevation Support. The Column Cutting Platform is a component of the 241-SY-101 Equipment Removal System. It is set up on the deck of the Strongback Trailer to provide work access to cut off the upper portion of the Mitigation Pump Assembly (MPA). The Elevation Support provides support for the front of the Storage Container with the Strongback at an inclined position.

8. RELEASE STAMP

OFFICIAL RELEASE
BY WHC
DATE MAR 16 1995

ASSEMBLY PROCEDURE
FOR
COLUMN CUTTING PLATFORM

PREPARED BY: R. D. Routh DATE: 12/20/94
R. D. Routh

REVIEWED BY: W. A. Newsom, Jr. DATE: 2/17/95
W. A. Newsom, Jr.
Mechanisms Engineering

APPROVED BY: C. E. Hanson DATE: 3/14/95
C. E. Hanson, Manager
Mitigation Equipment

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

MASTER

Westinghouse Hanford Company
Hanford Operations and Engineering Contractor
for the
U.S. Department of Energy

DISCLAIMER

Portions of this document may be illegible in electronic image products. Images are produced from the best available original document.

CONTENTS

1.0 INTRODUCTION	1
2.0 SUMMARY OF RESULTS	1
3.0 DISCUSSION	1
4.0 SYSTEM DESCRIPTION	2
5.0 REFERENCES	3

ASSEMBLY PROCEDURE FOR COLUMN CUTTING PLATFORM

1.0 INTRODUCTION

This supporting document describes the assembly procedure for the Column Cutting Platform and Elevation Support. The Column Cutting Platform is a component of the 241SY101 Equipment Removal System. It is set up on the deck of the Strongback Trailer to provide work access to cut off the upper portion of the Mitigation Pump Assembly (MPA). The Elevation Support provides support for the front of the Storage Container with the Storage Container and Strongback at an inclined position. The upper portion of the MPA must be cut off to install the Containment Caps on the Storage Container. The Storage Container must be maintained in an inclined position until the Containment Caps are installed to prevent any residual liquids from migrating forward in the Storage Container.

2.0 SUMMARY OF RESULTS

The Column Cutting Platform components and assembly are shown on the drawing H-2-83755, *64" Diameter Transport Assembly Removal Support* (WHC, 1994b). The structural design analysis for the Column Cutting Platform is located in Supporting Document WHC-SD-WM-DA-168. The Column Cutting Platform has been assembled and used in mock-up testing in accordance with the *Operability Test Procedure, 241SY101 Equipment Removal System* (WHC, 1994a).

3.0 DISCUSSION

Prior to assembling the Column Cutting Platform, verify all components shown on the drawing H-2-83755 are on hand. Inspect components for visible damage. Do not proceed with assembly if any component is damaged. Verify the threaded portion of bolts are clean and undamaged. Do not add lubricant to the bolt threads beyond the as-delivered condition from the manufacturer.

Hoisting and rigging of Column Cutting Platform components is conducted in accordance with *Hanford Site Hoisting and Rigging Manual* (DOE-RL 1993). Protection of personnel assembling the Column Cutting Platform is provided in accordance with the *Industrial Safety Manual* (WHC 1992).

4.0 SYSTEM DESCRIPTION

The Column Cutting Platform and Elevation Support are assembled and installed according to the following procedure. (All bolting should be ASTM A-325 material, "snug tight" and can be reused at the engineer's discretion.)

- 1) Rig the two (2) 15/16-inch lifting holes on the Elevation Support.
- 2) Lift the Elevation Support onto the front lateral support on the Hydraulic Trailer. Align the eight (8) bolt holes on the Elevation Support with the eight (8) bolt holes on the mounting plates on the front lateral support. Insert eight (8) 1-8 UNC 2A x 2-1/4 bolts in the aligned tapped bolt holes. Tighten the bolts snug tight.
- 3) Align the bolt hole in the top of each of the two (2) L3x3x5/16 angle braces with the bolt hole in each of the two (2) mounting plates on the Elevation Support. Insert two (2) 3/4-10 UNC 2A x 2-1/4 bolts with 3/4-inch flat washers through the aligned holes. Secure the bolts with 3/4-10 UNC 2B nuts and 3/4-inch flat washers. Do not tighten the bolts.
- 4) Align the front bolt holes in the mounting feet of each of the two (2) angle braces with the two (2) bolt holes in the Hydraulic Trailer deck, on the edge of the two (2) W30x191 Trailer beams. Insert four (4) 3/4-10 UNC 2A x 2-1/4 bolts with 3/4-inch flat washers through the aligned holes. Secure the bolts with 3/4-10 UNC 2B nuts and 3/4-inch flat washers. Tighten all six (6) angle brace bolts snug tight.
- 5) Erect scaffolding, railings and ladder in the configuration shown on the drawing H-2-83755. Secure scaffolding to Hydraulic Trailer using tie-down straps attached to D-rings on front and sides of Hydraulic Trailer.

NOTE: Container shall rest on the Elevation Support during transportation.

5.0 REFERENCES

- DOE-RL, 1993, *Hanford Site Hoisting and Rigging Manual*, DOE-RL-92-36, U. S. Department of Energy Richland Field Office, Washington.
- WHC, 1992, *Industrial Safety Manual*, WHC-CM-4-3, Westinghouse Hanford Company, Richland, Washington.
- WHC, 1994a, *Operability Test Procedure 241SY101 Equipment Removal System*, WHC-SD-WM-OTP-168, Westinghouse Hanford Company, Richland, Washington.
- WHC, 1994b, *64" Diameter Transport Assembly Removal Support*, drawing H-2-83755, Westinghouse Hanford Company, Richland, Washington.