NOV 09 1994

ENGINEERING DATA TRANSMITTAL

Page 1 of 4

1. EDT No 700518

2. To: (Receiving Organization)

PFP OPERATIONS

3. From: (Originating Organization)

PFP FACILITY SYSTEMS
ENGINEERING

5. Proj./Prog./Dept./Div.: 15510/K6019

6. Cog. Engr.: J. M. MORLEY

8. Originator Remarks:

ISSUANCE OF TEEM DOCUMENT FOR UP-RIGHT MANLIFTS
UL-20/26 MANLIFTS

11. Receiver Remarks:

4. Related EDT No.:

N/A

7. Purchase Order No.:

N/A

9. Equip./Component No.:

S/R 7104, S/R 7142, S/R 7163, S/R 7164

10. System/Bldg./Facility:

41/234-52/PFP 2W

12. Major Assm. Dwg. No.:

N/A

13. Permit/Permit Application No.:

N/A

14. Required Response Date:

N/A

15. DATA TRANSMITTED

(A) Item No.	(B) Document/Drawing No.	(C) Sheet No.	(D) Rev. No.	(E) Title or Description of Data Transmitted	(F) Impact Level	(G) Reason for Transmittal	(H) Originator Disposition	(I) Receiver Disposition
1	WHC-SD-CD-TEEM		0	PFP UP-RIGHT LIFT UL-20/26 MANLIFTS	S	2	1	

-069

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.

16.

Impact Level (F)	Reason for Transmittal (G)	Disposition (H) & (I)
1, 2, 3, or 4 (see MRP 5.43)	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

(G)	(H)	17. SIGNATURE/DISTRIBUTION (See Impact Level for required signatures)	(G)	(H)
Reason	Disp.	(J) Name (K) Signature (L) Date (M) MSIN	Reason	Disp.
2	1	Cog. Eng. J.M. Morley 11/7/94 T4-32		
2	1	Cog. Mgr. G.A. Glover 11/7/94 T4-20		
		QA		
2	1	Safety A.G. Pines 11-7-94 T4-10		
		Env.		
3		CENTRAL Files L8-04		
3		Ostl (2) L8-07		

18. Signature of EDT Originator J.M. Morley 11-7-94	19. Authorized Representative for Receiving Organization 11/7/94	20. Cognizant Manager 11/7/94	21. DOE APPROVAL (if required) Ltr No. _____ ☐ Approved ☐ Approved w/comments ☐ Disapproved w/comments
--	---	----------------------------------	---

MASTER

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED DT

BD-7400-172 (07/91)

DISCLAIMER

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

UNREVIEWED SAFETY QUESTION SAFETY REVIEW FORM

(Per WHC-IP-0842, 15.9)

Page 1 of 1

REFERENCE DOCUMENT(S):

EDT No. 700518

PCA No.

Work Pkg No.

Other (Specify)

TITLE: PFP UP-RIGHT LIFT UL-20/26 MANLIFTS WHC-SD-CP-TEEM-069**Does the PROPOSED CHANGE:**

A. Represent a change to the facility as described in the AUTHORIZATION BASIS documentation?

☐ N/A ☒ No ☐ Yes/MaybeBasis: THE SYSTEM AFFECTED BY THIS CHANGE IS NOT DESCRIBED IN WHC-SD-CP-SAR-021.
THIS CHANGE DOES NOT AFFECT THE AUTHORIZATION BASIS.

B. Represent a change to procedures as described in the AUTHORIZATION BASIS?

☐ N/A ☒ No ☐ Yes/MaybeBasis: THERE ARE NO PROCEDURES, TESTS OR EXPERIMENTS AFFECTED BY THIS CHANGE.
NO TESTS OR EXPERIMENTS ARE INVOLVED.

C. Represent a test or experiment not described in the AUTHORIZATION BASIS documentation?

☐ N/A ☒ No ☐ Yes/MaybeBasis: THERE ARE NO PROCEDURES, TESTS OR EXPERIMENTS AFFECTED BY THIS CHANGE.
NO TESTS OR EXPERIMENTS ARE INVOLVED.

D. Does the change impact:

• Implemented OSRs or IOSRs? ☐ N/A ☒ No ☐ Yes/Maybe• Approved IOSR Compliance Implementation Plans? ☐ N/A ☒ No ☐ Yes/MaybeBasis: THERE ARE NO PROCEUDRES, TESTS OR EXPERIMENTS AFFECTED BY THIS CHANGE.
NO TESTS OR EXPERIMENTS ARE INVOLVED.Based on the above, a Safety Evaluation ☐ DOES ☒ DOES NOT
need to be performed for this change

USQE No. 1

R J THOMAS
Print NameR J Thomas
Signature11/7/94
Date

USQE No. 2

G.P. Wilson
Print NameGerald P. Wilson
Signature11/7/94
Date

**UNREVIEWED SAFETY QUESTION (USQ)
SCREENING AND SAFETY EVALUATION**

1. Identification Number: EDT-700518 Completion of page one of this form satisfies the Screening Evaluation Page 13 of 24

2. Title: PFP UP-RIGHT LIFT UL-20/26 MANLIFTS-SD-CP-TEEM-069

3. Qualified USQ Evaluator: GP WILSON Date: 11/04/94

4. Peer Reviewer: SB MERRICK

5. Is the matter being evaluated a CHANGE or a DISCOVERY? (Circle One) **CHANGE**

6. USQ Screening (Answer the appropriate set of questions.)

Does the proposed change:

- A. Make changes in the facility as described in approved safety analyses? ☒ No ☐ Yes/Maybe
- B. Make changes in procedures as described in approved safety analyses? ☒ No ☐ Yes/Maybe
- C. Involve tests or experiments not described in approved safety analyses? ☒ No ☐ Yes/Maybe

Will response to the discovery:

- A. Require changes to the facility as described in the approved safety analyses? ☒ No ☐ Yes/Maybe
- B. Require changes in procedures described in the approved safety analyses? ☒ No ☐ Yes/Maybe
- C. Require tests or experiments not described in the approved safety analyses? ☒ No ☐ Yes/Maybe
- D. Require revision or addition to SAR beyond annual update? ☒ No ☐ Yes/Maybe

BASIS (supporting information is required for each question, attach additional pages as necessary; specifically note SAR section reviewed to come to conclusion):

6A. THE SYSTEM AFFECTED BY THIS CHANGE IS NOT DESCRIBED IN WHC-SD-CP-SAR-021. THIS CHANGE DOES NOT AFFECT THE AUTHORIZATION BASIS.

6B/C. PROCEDURES, TESTS, OR EXPERIMENTS ARE NOT AFFECTED BY THIS CHANGE. NO TESTS OR EXPERIMENTS ARE INVOLVED.

7. Safety Analyses

- A. Will the proposed change or response to the discovery require a change to the existing Technical Specifications or Operational Safety Requirements? ☒ No ☐ Yes/Maybe
- B. Will the proposed change or discovery require additional Technical Specification or Operational Safety Requirements? ☒ No ☐ Yes/Maybe

BASIS (supporting information is required for each question, attach additional pages as necessary; specifically note Technical Specification/Operational Safety Requirements reviewed to come to conclusion):

7A/B. NO CHANGES TO THE OSR'S OR ADDITIONAL OSR'S ARE REQUIRED.

8. Post Review (Required if all questions answered "NO")

Reviewer: RJ + Luma Date: 11/7/94 If any question on page one in Blocks 6 or 7 is answered "Yes", completion of page two is required and is the Safety Evaluation

Safety Qualified USQ Evaluator
(Print name, sign and date)

Identification Number: EDT-700518

SAFETY EVALUATION

Page 24^{Copy 11/09/94} of 24

1. USQ Safety Evaluation:

These questions shall be answered if any question in block 6 or 7 is answered "YES."

A. Will the probability of an accident previously evaluated in approved safety analyses be increased?	☒ No	☐ Yes	☐ Maybe
B. Will the consequences of an accident previously evaluated in the approved safety analyses be increased?	☒ No	☐ Yes	☐ Maybe
C. Will the probability of a malfunction of equipment important to safety be increased?	☒ No	☐ Yes	☐ Maybe
D. Will the consequences of a malfunction of equipment important to safety be increased?	☒ No	☐ Yes	☐ Maybe
E. Will the possibility of an accident of a different type than any previously evaluated in approved safety analyses be created?	☒ No	☐ Yes	☐ Maybe
F. Will the possibility of a malfunction of a different type than any previously evaluated in the approved safety analyses be created?	☒ No	☐ Yes	☐ Maybe
G. Will the margin of safety as defined in the basis for any technical specification or safety analysis report be reduced?	☒ No	☐ Yes	☐ Maybe

BASIS (supporting information is required for each question, attach additional pages as necessary):

1A/B/C/D. THE PROBABILITY/CONSEQUENCES OF ACCIDENTS/MALFUNCTIONS DUE TO THIS CHANGE WILL NOT BE INCREASED OVER THAT ANALYZED IN THE FSAR.

1E/F/G. THIS CHANGE DOES NOT CREATE THE POSSIBILITY OF AN ACCIDENT/MALFUNCTION OF A DIFFERENT TYPE THAT THIS ANALYZED IN WHC-SD-HS-SAR-021, CHAPTER 9. THE MARGIN OF SAFETY WILL NOT BE REDUCED.

THIS CHANGE DOES NOT REPRESENT AN UNREVIEWED SAFETY QUESTION.

2. Plant Review Committee (PRC)*

Meeting No. _____

PRC Chairman Concurrence
(Print name, sign and date)

Date: _____

3. Safety Review**

RJ Thomas_____
Qualified USQ Evaluator
(Print name, sign and date)Date: 11/7/94

* If PRC changes any answers, append basis for change.
** Post-review required if all seven "NO" boxes are checked by PRC.

RELEASE AUTHORIZATION

Document Number: WHC-SD-CP-TEEM-069, REV 0

Document Title: PFP UP-RIGHT LIFT UL-20/26 MANLIFTS

Release Date: 11/8/94

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

APPROVED FOR PUBLIC RELEASE

WHC Information Release Administration Specialist:

Kara M. Broz

November 8, 1994

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 **17 13** *CMB 11/8/94*

2. Title

PFP UP-RIGHT LIFT UL-20/26 MANLIFTS

3. Number

WHC-SD-CP-TEEM-069

4. Rev No.

0

5. Key Words

UP-RIGHT LIFT UL-20/26 MANLIFTS

6. Author

Name: J. M. MORLEY

James M. Morley
Signature

Organization/Charge Code 15510/K6019

KMB 11/8/94

**APPROVED FOR
PUBLIC RELEASE**

7. Abstract

THIS TEEM DOCUMENT WAS CREATED AS A MEANS FOR MAINTENANCE AND OPERATIONS TO USE AS THE BASES TO UNDERSTAND THE EQUIPMENT, PARTS, SAFETY, MAINTENANCE, AND OPERATABILITY OF THE EQUIPMENT NAMED IN THIS DOCUMENT.

8. RELEASE STAMP

OFFICIAL RELEASE
BY WHC

DATE NOV 09 1994
55

56A-5

TECHNICAL EVALUATION OF EQUIPMENT MAINTENANCE

WHC-SD-CP-TEEM-069

PFP UP-RIGHT LIFT UL-20/26 MANLIFTS

Issued by
WESTINGHOUSE HANFORD COMPANY

for the

U.S. DEPARTMENT OF ENERGY
RICHLAND OPERATIONS OFFICE
RICHLAND, WASHINGTON

	Name (print or type)	Signature	Date
PREPARED BY:	<u>J.M.Morley, Cog. Eng.</u> Name/Title	<u>J.M. Morley</u>	<u>11/7/94</u>
WHC APPROVALS:	<u>J. M. Morley</u> Cognizant Engineer	<u>James M. Morley</u>	<u>11/7/94</u>
	<u>G. A. Glover</u> Manager, COG Eng.	<u>G. A. Glover</u>	<u>11/7/94</u>
	<u>A. G. Pines</u> Safety- HSF	<u>A. G. Pines</u>	<u>11/7/94</u>

NOTE:

UP-RIGHT LIFT UL-20/26 IS A MODEL AND TRADE MARK OF UP-RIGHT INC.

WHC-SD-CP-TEEM-069, REV 0
Technical Evaluation of Equipment Maintenance
PFP UP-RIGHT LIFT UL-20/26 MANLIFTS

TABLE OF CONTENTS

1.0 - APPLICABLE EQUIPMENT	3
2.0 - PREVENTATIVE MAINTENANCE EVALUATIONS	4
2.1 DAILY OR BEFORE USE CHECKS	4
2.1.1 FUNCTIONAL OPERATION CHECK	4
2.1.2 OUTRIGGERS INSPECTION	4
2.1.3 GENERAL INSPECTION, (INTERVAL) CHECK AND SERVICES FOR EACH SHIFT	4
2.1.4 GENERAL INSPECTION, (INTERVAL) CHECKS AND SERVICES @ 125 HOURS	5
2.1.5 GENERAL INSPECTION, (INTERVAL) CHECKS AND SERVICES @ 250 HOURS	6
2.1.6 GENERAL INSPECTION, (INTERVAL) CHECKS AND SERVICES @ 1000 HOURS	6
2.2- SEMI-ANNUAL CHECKS	7
2.2.1 GENERAL INSPECTION	7
2.3- SAFETY	8
2.3.1 RULES AND PRECAUTIONS BEFORE USING THE UP-RIGHT LIFTS	8
2.4- MAINTENANCE AND ROUTINE SERVICE	9
2.4.1 MONTHLY	9
2.4.2 QUARTERLY	9
2.4.3 YEARLY	9
3.0- REFERENCES	9
3.1 VI 22631	10
3.2 DOE-RL-92-36	10
APPENDIX A	11
APPENDIX B	12

WHC-SD-CP-TEEM-069, REV 0
Technical Evaluation of Equipment Maintenance
PFP UP-RIGHT LIFT UL-20/26 MANLIFTS

1.0 - APPLICABLE EQUIPMENT

This Technical Evaluation of Equipment Maintenance (TEEM) is provided principally to document vendor suggested maintenance requirements and deviations from vendor suggested requirements, and provide documentation to support PM procedures. As additional maintenance activities are identified, they will be documented in later revisions.

This equipment is Safety Class 3. Safety class is provided here for reference only. (See WHC-SD-CP-TI-108 Rev 12 for verification)

This TEEM is applicable to the following moonlights:

**IDENTIFICATION
NUMBER**

EQUIPMENT

S/N 7104

Single person UL-20/26 manlift serial number 7104 maximum load capacity 300 lbs or 135.9 kgs with a working height of 25 ft. 6 in., a platform height of 19 ft. 6 in. maximum, and a lowered platform height of 36 in., total equipment weight with A. C. model and out riggers is 588 lbs.

S/N 7162

Single person UL-20/26 manlift serial number 7162 maximum load capacity 300 lbs or 135.9 kgs with a working height of 25 ft. 6 in., a platform height of 19 ft. 6 in. maximum, and a lowered platform height of 36 in., total equipment weight with A. C. model and out riggers is 588 lbs.

S/N 7163

Single person UL-20/26 manlift serial number 7163 maximum load capacity 300 lbs or 135.9 kgs with a working height of 25 ft. 6 in., a platform height of 19 ft. 6 in. maximum, and a lowered platform height of 36 in., total equipment weight with A. C. model and out riggers is 588 lbs.

S/N 7164

Single person UL-20/26 manlift serial number 7164 maximum load capacity 300 lbs or 135.9 kgs with a working height of 25 ft. 6 in., a platform height of 19 ft. 6 in. maximum, and a lowered platform height of 36 in., total equipment weight with A. C. model and out riggers is 588 lbs.

WHC-SD-CP-TEEM-069, REV 0
Technical Evaluation of Equipment Maintenance
PFP UP-RIGHT LIFT UL-20/26 MANLIFTS

2.0 - PREVENTIVE MAINTENANCE EVALUATIONS

2.1 DAILY OR BEFORE USE CHECKS

2.1.1 FUNCTIONAL OPERATION CHECK

Activity - Check that all possible motions are smooth and regular for all speed steps with no hesitations, vibration, binding, weaving, unusual noise, or other irregularity. If chain binds, jumps or is excessively noisy, clean and lubricate with Lubrease Chain and Cable Spray. Check that chain moves freely and without binding, throw the sheaves.

Evaluation - Per REF's, WHC-CM-4-3, Vol. 1, Section CM-12, Rev. 2, Pages 1 thru 5, ANSI/SIA A92.2 - 1990, and 3.1 VI 22631, Section 4, Pages 4-1 thru 4-7, OPERATION INSTRUCTIONS

2.1.2 OUTRIGGERS INSPECTION

Activity - Ensure Orbit Level between front outriggers is not damaged. Ensure that all outriggers, latches, and screwjacks show no noticeable damage, wear or deformation.

WARNING

NEVER elevate platform unless all four outriggers have been properly positioned and all outrigger screwjack pads are in contact with a firm surface.

2.1.3 GENERAL INSPECTION, (INTERVAL) CHECKS AND SERVICES FOR EACH SHIFT

- A) Each shift check battery system DC Models/Chassis, 1) check electrolyte level. 2) check specific gravity. 3) check cable condition. 4) check batteries (battery) condition. 5) clean exterior of UP-RIGHT LIFT, UL-20/26's.
- B) Each shift check hydraulic reservoir/chassis, 1) check fluid level and fill if necessary.

Evaluation - Per REF's, WHC-CM-4-3, Vol. 1, Section CM-12, Rev. 2, Pages 1 thru 5, ANSI/SIA A92.2 - 1990, and 3.1 VI 22631, Section 4, pgs 4-1 thru 4-10.

WHC-SD-CP-TEEM-069, REV 0
Technical Evaluation of Equipment Maintenance
PFP UP-RIGHT LIFT UL-20/26 MANLIFTS

- C) Each shift check casters/chassis, 1) check for damage.
- D) Each shift check platform retractile control cord/cage assembly, 1) check exterior of the cable for pinching.
- E) Each shift check Cage and Cage Support Assy./Cage Assy. 1) Check fasteners for tightness. 2) Check welds for cracks. 3) Check condition of deck.
- F) Each shift check Mast Assembly. 1) Inspect for external damage, dents or cracks.

2.1.4 GENERAL INSPECTION, (INTERVAL) CHECKS AND SERVICES FOR MANLIFTS @ 125 HOURS

- A) At 125 Hours check Control Valve, Hydraulic Pump/Chassis. 1) Check for leaks at valve base. 2) Check hose connections for serviceability. 3) Check hose for wear. 4) Open emergency down valve and check for serviceability. 5) Check pump for leaks at mating surfaces. 6) Check mounting bolts for tightness.
- B) At 125 Hours check Lift Cylinder/Hydraulic System. 1) Check rod for gouges. 2) Check seals for leaks. 3) Check hose(s) for serviceability.
- C) At 125 Hours check Control Console/Platform. 1) Check switches operation. 2) Check cable for wear.
- D) At 125 Hours Up-Right Lift, Complete. 1) Perform pre-operational checkout of lift, do a complete functional test of lift.
- E) At 125 Hours Up-Right Lift, Complete. 1) Lubricate at locations of items that require lubrication service. Use an aerosol chain lubricant for all components to be lubricated ie; rear wheel bearings, chains, screw jacks.

Evaluation - Per REF's, WHC-CM-4-3, Vol. 1, Section CM-12, Rev. 2, Pages 1 thru 5, ANSI/SIA A92.2 - 1990, and 3.1 VI 22631, Section 5, pgs 5-1 thru 5-29.

WHC-SD-CP-TEEM-069, REV 0
Technical Evaluation of Equipment Maintenance
PFP UP-RIGHT LIFT UL-20/26 MANLIFTS

2.1.5 GENERAL INSPECTION, (INTERVAL) CHECKS AND SERVICES FOR MANLIFTS @ 250 HOURS

- A) At 250 Hours Check Battery DC Models/Chassis. 1) Check battery fluid level daily, especially if Up-Right Lift is being used in a warm, dry climate. 2) Battery should be inspected periodically for signs of cracks in the case, electrolyte leakage and corrosion of the terminals. Inspect cables for worn spots or breaks in the insulation and for broken cable terminals. 3) Clean battery when signs of corrosion at the terminals exist, or onto which electrolyte has overflowed during charging. Use a baking soda or ammonia solution to clean the battery, ensuring not to get the solution inside the cells. Rinse thoroughly with clean clear water. Clean battery and cable contact surfaces to a bright metal finish whenever a cable is removed.
- B) At 250 Hours Check Hydraulic Pump/Chassis. 1) Wipe clean
- C) At 250 Hours Check Chassis. 1) Check all hardware.
- D) At 250 Hours Check Chains, Sheaves, Straps/Mast Assembly. 1) Check for wear. 2) Check for deformation. 3) Check for bending and weld cracks.
- E) At 250 Hours Up-Right Lift, Complete. 1) Check component mountings for tightness. 2) Check all fasteners for tightness. 3) Check welds for cracks. 4) Check hoses for serviceability. 5) Check for and repair collision damage.

2.1.6 GENERAL INSPECTION, (INTERVAL) CHECKS AND SERVICES FOR MANLIFTS @ 1000 HOURS

- A) At 1000 Hours Check Hydraulic Fluid/Chassis. 1) Remove hydraulic reservoir from pump by removing four screws and four grip plates, provide a suitable container and discard hydraulic fluid into a two gallon container (reservoir holds 1.5 gallons). 2) Clean and flush reservoir. 3) Refill hydraulic reservoir with Mobil DTE 13 or equivalent hydraulic fluid.

NOTE

Ensure O-ring is in place on pump when installing hydraulic reservoir.

4) Reinstall hydraulic reservoir to pump assembly with grip plates and screws.

Evaluation - As Per REF's 3.1, VI # 22631, Section 5, pgs 5-1 thru 5-29., DOE-RL-92-36, Section 12.12.4.3.

WHC-SD-CP-TEEM-069, REV 0
Technical Evaluation of Equipment Maintenance
PFP UP-RIGHT LIFT UL-20/26 MANLIFTS

2.2 SEMI-ANNUAL CHECKS

2.2.1 GENERAL INSPECTION

Activity - Inspect the manlift for the following:

- Cage Assembly.
- Rear Outriggers.
- Front Outriggers.
- Base Frames.
- Power Units.
- Control Box Assemblies.
- Optional Tilt-Back Assemblies.
- Mast Assemblies.
- Pinch Shield Assemblies.
- deformed, cracked, or corroded wires and end connectors.
- deformed, cracked, or corroded hoses and fittings.
- loose or missing bolts or rivets.
- cracked or worn sheaves, drums, and load or idler sprockets.
- worn, cracked or distorted parts such as pins, bearings, shafts, gears, rollers, locking and clamping devices.

Evaluation - As Per REF's 3.1, VI # 22631, Section 5, pgs 5-1 thru 5-29., DOE-RL-92-36, Section 12.12.4.3.

WHC-SD-CP-TEEM-069, REV 0
Technical Evaluation of Equipment Maintenance
PFP UP-RIGHT LIFT UL-20/26 MANLIFTS

2.3 SAFETY

2.3.1 RULES AND PRECAUTIONS BEFORE USING THE UP-RIGHT LIFTS.

Read and then follow completely all Safety Rules and Precautions before operating the Up-Right Lift UL-20/26.

- A) Thoroughly **INSPECT** entire Up-Right Lift for damage such as cracked welds, loose rivets, loose or missing hardware.
- B) **NEVER** use damaged equipment.
- C) **NEVER** elevate platform unless all four outriggers have been properly positioned and installed. All outrigger screwjacks must be in contact with a firm surface before the platform is elevated.
- D) **NEVER** use the Up-Right Lift within 10 feet of electric power lines. This platform is **NOT** insulated.
- E) **NEVER** elevate the platform unless the base is level.
- F) **NEVER** sit, climb, or stand on the platform guardrail or midrails.
- G) **NEVER** attempt to move the Up-Right Lift when personnel or materials are on the platform or with the platform elevated.
- H) **NEVER** elevate platform if it contains more than the rated load of 300 pounds or more than one person.
- I) **NEVER** attach overhanging loads to the platform or increase the platform size.
- J) **NEVER** use ladders, planks or other devices to increase the height of the platform.
- K) **NEVER** use the Up-Right Lift as a freight or personnel elevator.
- L) **CHECK** clearance above and below the platform.
- M) **LATCH** rope across opening after entering platform.
- N) **AFTER USE** secure the work platform against unauthorized use by turning off the Key Switch and removing Key.
- O) On battery operated models, the battery charger leads **MUST** be connected to battery prior to plugging in the charger to ensure no bodily injury.

Evaluation - As Per REF's 3.1, VI # 22631, Section 2, pg 2-1.,
DOE-RL-92-36, Section 12.12.4.3.

WHC-SD-CP-TEEM-069, REV 0
Technical Evaluation of Equipment Maintenance
PFP UP-RIGHT LIFT UL-20/26 MANLIFTS

2.4 MAINTENANCE AND ROUTINE SERVICE

2.4.1 MONTHLY

- A) Check oil level fill as needed
- B) Check contact malfunction repair as needed
- C) Check battery level fill as needed

2.4.2 QUARTERLY

- A) Inspect and adjust sequence straps slack
- B) Check bubble level accuracy
- C) Lubricate lift chains, chain sheaves

2.4.3 YEARLY

- A) Change hydraulic oil (Mobile DTE-13) or equivalent

WHC-SD-CP-TEEM-069, REV 0
Technical Evaluation of Equipment Maintenance
PFP UP-RIGHT LIFT UL-20/26 MANLIFTS

3.0 REFERENCE

- 3.1 VI file # 22361, dated 11/2/94, titled "UP-RIGHT LIFTS UL 20/26 SERVICE & PARTS MANUAL FOR UP-RIGHT LIFTS WITH SERIAL NUMBER 2492 TO CURRENT".

NOTE

VENDOR MANUALS FOR EQUIPMENT WITH SERIAL NUMBERS NAMED IN THIS DOCUMENT ARE LOCATED WITH EQUIPMENT HISTORY FILE.

- 3.2 DOE-RL-92-36, Hanford Site Hoisting and Rigging Manual, Westinghouse Hanford Company, latest revision.

WHC-SD-CP-TEEM-069, REV 0
Technical Evaluation of Equipment Maintenance
PFP UP-RIGHT LIFT UL-20/26 MANLIFTS

APPENDIX A

EQUIPMENT HISTORY

As a result of an audit performed by Stone & Webster for the Richland Operations Office of the Department of Energy, equipment history files for the elevators, liftplatforms, cranes, hoists, rigging, moonlights, and forklifts with front-end attachments at PFP were given a base start date of April 1, 1991. These files are maintained by the Cognizant Engineer with responsibility for the oversight of system 41B.

WHC-SD-CP-TEEM-069, REV 0
Technical Evaluation of Equipment Maintenance
PFP UP-RIGHT LIFT UL-20/26 MANLIFTS

APPENDIX B

NAMEPLATE DATA

Equipment Description:

These are **UP-RIGHT AERIAL PLATFORMS** Manlifts Model#
62611-001-00 UL20 - DC, with outriggers.

The nameplate for these moonlights should include the following information:

	Manufacturer:	UP-RIGHT INC.
	Model #:	62611-001-00
7104	S/N # :	7104
	Weight:	300 lbs.
	Max. Platform Height	19 feet 6 inches
	Battery Voltage	12 Volt
	Type:	Single person telescoping manlift

	Manufacturer:	UP-RIGHT INC.
	Model #:	62611-001-00
7162	S/N # :	7162
	Weight:	300 lbs.
	Max. Platform Height	19 feet 6 inches
	Battery Voltage	12 Volt
	Type:	Single person telescoping manlift

	Manufacturer:	UP-RIGHT INC.
	Model #:	62611-001-00
7163	S/N # :	7163
	Weight:	300 lbs.
	Max. Platform Height	19 feet 6 inches
	Battery Voltage	12 Volt
	Type:	Single person telescoping manlift

	Manufacturer:	UP-RIGHT INC.
	Model #:	62611-001-00
7164	S/N # :	7164
	Weight:	300 lbs.
	Max. Platform Height	19 feet 6 inches
	Battery Voltage	12 Volt
	Type:	Single person telescoping manlift