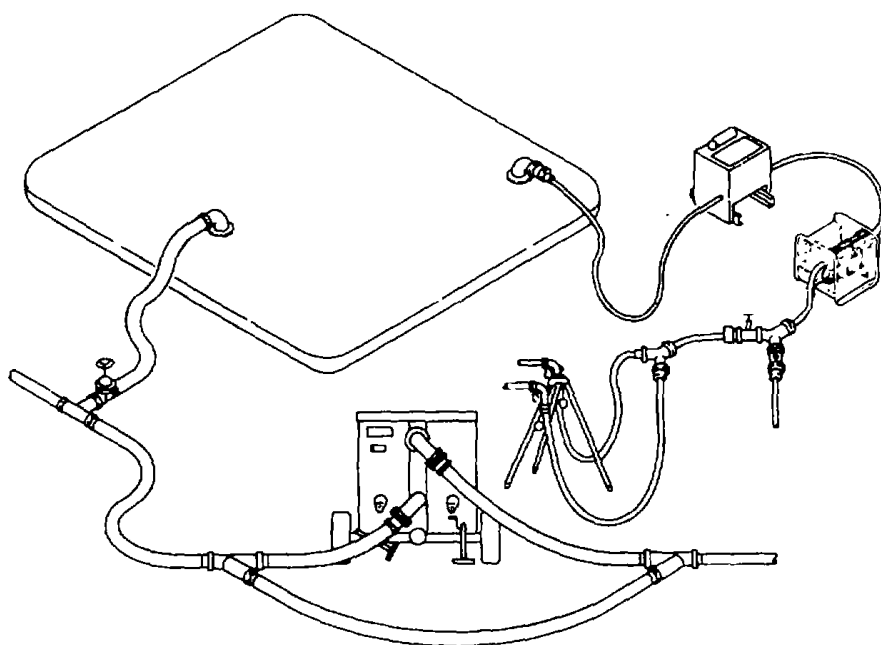


TECHNICAL MANUAL

OPERATOR'S, UNIT, AND DIRECT SUPPORT MAINTENANCE MANUAL



**TACTICAL WATER DISTRIBUTION
EQUIPMENT SYSTEM,
10 MILE SEGMENT
(NSN 4320-01-323-0305)
MODEL NO.6IN-TWDS
EIC: ZHS**

INTRODUCTION
Page 1-1

OPERATING
INSTRUCTIONS
Page 2-1

OPERATOR
MAINTENANCE
INSTRUCTIONS
Page 3-1

UNIT
MAINTENANCE
INSTRUCTIONS
Page 4-1

DIRECT
SUPPORT MAINTENANCE
INSTRUCTIONS
Page 5-1

REFERENCES
Page A-1

MAINTENANCE
ALLOCATION
CHART
Page B-1

COMPONENTS OF END
ITEM AND BASIC ISSUE
ITEMS LIST
Page C-1

ADDITIONAL
AUTHORIZATION
LIST
Page D-1

EXPENDABLE/DURABLE
SUPPLIES AND
MATERIALS LIST
Page E-1

MANUFACTURED
ITEMS
LIST
Page F-1

STANDARD TORQUE
VALUE
CHART
Page G-1

TECHNICAL MANUAL
No. 10-4320-317-13

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, D.C., 28 February 1995

**Operator's, Unit and Direct Support
Maintenance Manual**

**TACTICAL WATER DISTRIBUTION EQUIPMENT SYSTEM,
10.MILE SEGMENT
NSN 4320-01-323-0305
MODEL NO. 6IN-TWDS
EIC: ZHS**

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REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, US Army Aviation and Troop Command, ATTN: AMSAT-I-MP, 4300 Goodfellow Blvd., St. Louis, MO 63120-01798. You may also submit your recommended changes by E-mail directly to <mpmt%/avma2028@st-louis-emh7. army. mil>. A reply will be furnished directly to you.

TABLE OF CONTENTS

	Page
HOW TO USE THIS MANUAL	iii
CHAPTER 1 INTRODUCTION	1-1
Section I General Information	1-1
Section II Equipment Description	1-3
Section III Technical Principles of Operation	1-14
CHAPTER 2 OPERATING INSTRUCTIONS	2-1
Section I Description and Use of Operator's Controls and Indicators	2-1
Section II Operator Preventive Maintenance Checks and Services (PMCS)	2-6
Section III Operation Under Usual Conditions	2-21
Section IV Operation Under Unusual Conditions	2-71
CHAPTER 3 OPERATOR MAINTENANCE INSTRUCTIONS	3-1
Section I Lubrication Instructions	3-1
Section II Troubleshooting Procedures	3-1
Section III Maintenance Procedures	3-4
CHAPTER 4 UNIT MAINTENANCE INSTRUCTIONS	4-1
Section I Repair Parts, Special Tools, TMDE and Support Equipment	4-1
Section II Service Upon Receipt	4-1
Section III Preparation for Storage and Shipment	4-7
Section IV Unit Preventive Maintenance Checks and Services (PMCS)	4-8
Section V Unit Troubleshooting Procedures	4-9
Section VI Unit Maintenance Procedures	4-12

TABLE OF CONTENTS - CONT

CHAPTER 5	DIRECT SUPPORT MAINTENANCE INSTRUCTIONS	5-1
Section I	Repair Parts, Special Tools, TMDE and Support Equipment	5-1
Section II	Maintenance Procedures	5-1
APPENDIX A	REFERENCES	A-1
APPENDIX B	MAINTENANCE ALLOCATION CHART	B-1
APPENDIX C	COMPONENTS OF END ITEM AND BASIC ISSUE ITEMS LIST	C-1
APPENDIX D	ADDITIONAL AUTHORIZATION LIST	D-1
APPENDIX E	EXPENDABLE/DURABLE SUPPLIES AND MATERIALS LIST	E-1
APPENDIX F	MANUFACTURED ITEMS LIST	F-1
APPENDIX G	STANDARD TORQUE VALUE CHART	G-1
GLOSSARY	Glossary-1	
ALPHABETICAL INDEX.....	Index-1	

LIST OF ILLUSTRATIONS

1-1	Tactical Water Distribution Equipment System (TWDS)	1-0
1-2	Pumping Station	1-4
1-3	Storage Assemblies	1-5
1-4	Distribution Points	1-6
1-5	Color Comparator Kit	1-7
1-6	Nozzle Stand Assembly	1-7
1-7	Drinking Water Storage Bag	1-8
1-8	Collapsible Hose	1-8
1-9	Swivel Joint	1-8
1-10	Tricon	1-9
1-11	Pressure-Reducing Valve	1-9
1-12	Road Crossing Guards	1-10
1-13	Suspension Kit	1-10
1-14	Displacement and Evacuation Kit	1-11
1-15	Repair Kit	1-12
1-16	Water Tank Chest	1-13
2-1	PMCS Routing Diagram	2-8
2-2	Ground Profile Graph	2-22
2-3	Spacing Triangle	2-22
2-4	Ground Profile and Pump Spacing Triangle	2-23
2-5	Pressure- Reducing Valve Location	2-24
2-6	Hose-Laying Operations	2-27
2-7	Boltless Coupling	2-28
2-8	Connecting 10-Mile Segment to Lead Pumping Station	2-30
2-9	Road Crossing Guard	2-31
2-10	Suspension Kit	2-32
2-11	Wire Rope Loop	2-33
2-12	Installing Saddle on Hoseline	2-33
2-13	Hoseline and Suspension Kit	2-34
2-14	Securing End Shackles	2-34
2-15	Pressure-Reducing Valve	2-35
2-16	Lead Pumping Assembly	2-35
2-17	Boost Pumping Assembly	2-37
2-18	Storage Tank Location Preparation	2-39
2-19	Proper Unroll and Unfold of Storage Tank	2-40
2-20	Discharge/Filler Hose Assembly	2-41
2-21	Connecting Discharge Hose Assembly	2-42
2-22	Tank Reducer and Hose Assembly	2-43
2-23	125 GPM Pump	2-44
2-24	Hypochlorination Unit	2-45
2-25	Hypochlorination Unit and First Wye-Connection	2-46
2-26	Distribution Point	2-48
2-27	Nozzle Stand Assembly	2-49
2-28	Potable Water Storage Bag	2-50
2-29	Color Comparator	2-53
2-30	Comparator Cells	2-53
2-31	Chloride pH Test	2-54
2-32	pH Test Cell	2-54
2-33	Ball Receiver	2-56
2-34	Displacement Ball	2-56
2-35	End Cap	2-57

LIST OF ILLUSTRATIONS - CONT

2-36	Ejector Assembly	2-58
2-37	End Shade Clamps	2-59
2-38	Disassembly of Suspension Device	2-60
2-39	Disassemble Pressure-Reducing Valve	2-61
2-40	Disassemble Road Crossing Guard	2-62
2-41	Disassemble Boost Pumping Station	2-63
2-42	Disassemble Lead Pump Station	2-64
2-43	Disassemble Storage Assembly	2-65
2-44	Discharge Hose and Storage Tank	2-66
2-45	Discharge Hose Couplings and Hypochlorination Unit	2-67
2-46	Disassemble Distribution Point	2-68
2-47	Hypochlorination Unit, 125 GPM Pump, and Storage Tank Assemblies	2-69
3-1	Installing Hose Clamps	3-5
3-2	Removing Damaged Hose Section	3-6
3-3	Mid-section Hose Adapter Assembly	3-6
3-4	Grooved End Hose Adapter Assembly	3-7
3-5	Female Hose Adapter Assembly	3-8
3-6	Pressure-Relief Valve	3-10
3-7	Nozzle Stand Assembly	3-11
4-1	Pressure-Relief Valve	4-13
4-2	Butterfly Valve	4-15
4-3	4-Inch Gate Valve	4-17
4-4	2-Inch Gate Valve	4-19
5-1	Pressure-Reducing Control	5-2
5-2	Main Valve	5-6
5-3	Main Valve Assembly	5-7

LIST OF TABLES

2-1	Lead Pumping Stations Controls and Indicators	2-2
2-2	Boost Pumping Station Controls and Indicators	2-3
2-3	Storage Assemblies Controls and Indicators.....	2-4
2-4	Distribution Points Controls and Indicators	2-5
2-5	Operator Preventive Maintenance Checks and Services for TWDS	2-9
3-1	Troubleshooting Procedures.....	3-2
4-1	10-Mile Hoseline Segment	4-3
4-2	Pumping Stations	4-4
4-3	Storage Assemblies	4-5
4-4	Distribution Points	4-6
4-5	Unit Maintenance Preventive Maintenance Checks and Services	4-8
4-6	Troubleshooting Procedures.....	4-9

HOW TO USE THIS MANUAL

The manual has been divided into chapters, sections, and paragraphs which are all numbered sequentially; figures and tables have also been numbered in the same manner. The operator's portion of the manual identifies major components and their location which will aid you, the operator and maintainer, in performing your PMCS. Detailed lubrication instructions, which are mandatory, are also included within the operator's maintenance section.

Use the front cover locators and "marked/tabbed" pages to quickly find the parts of the manual shown on the cover. The "blocked" titles in the table of contents are the titles for these locators. These portions of the manual were chosen because they are used most often.

Maintenance procedures used by Operator, Unit and Direct Support personnel are described in a step by step manner, ensuring the correct, and safe removal or repair of equipment. An alphabetical index at the back of the manual is referenced to the appropriate paragraph in the manual for ease of locating a specific task or procedure.

CHAPTER 1

INTRODUCTION

PARAGRAPH TITLE	PARAGRAPH
Corrosion Prevention and Control (CPC) of Army Material	1-3
Components of TWDS Group	1-15
Destruction of Army Materiel to Prevent Enemy Use	1-4
Equipment Characteristics, Capabilities, and Features	1-12
Functional Description of TWDS	1-14
Hand Receipt (-HR) Manuals	1-7
List of Abbreviations	1-11
Location and Description of Major Components	1-13
Maintenance Forms, Records, and Reports	1-2
Preparation for Storage or Shipment	1-5
Quality Assurance/Quality Control (QA/QC)	1-6
Reporting Equipment Improvement Recommendations (EIRs)	1-8
Safety, Care, and Handling	1-9
Scope	1-1
Warranty Information	1-10

Section I. GENERAL INFORMATION

1-1. Scope.

- a. Type of Manual. Operator's, Unit and Direct Support Maintenance Manual.
- b. Model Number and Equipment Name. Tactical Water Distribution Equipment System, 10-Mile Segment, Model No. 6 X 6 SP6, NSN 4320-01-323-0305 (hereafter called TWDS).
- c. Purpose of Equipment. The system covered by this manual receives water from large storage and distribution units. These are supplied by shipboard trailers or desalination operations. The TWDS transports this water to small distribution points or to another large storage and distribution unit.
- d. Special Limitations. TWDS is not intended for use with brackish or contaminated water or at temperatures below 32°F (0°C).

1-2. **Maintenance Forms, Records, and Reports.** Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA Pam 738-750, The Army Maintenance Management System (TAMMS).

1-3. **Corrosion Prevention and Control (CPC) of Army Materiel.** Corrosion Prevention and Control (CPC) of Army materiel is a continuing concern. It is important that any corrosion problems with this item be reported so that the problem can be corrected and improvements can be made to prevent this problem in future items. While corrosion is typically associated with rusting of metals, it can also include deterioration of other materials, such as rubber and plastic. Unusual cracking, softening, swelling, or breaking of these materials may be a corrosion problem. If a corrosion problem is identified, it can be reported using Standard Form 368, Product Quality Deficiency Report. Use of keywords such as "corrosion", "rust", "deterioration", or "cracking" will ensure that the information is identified as a CPC problem. The form should be submitted to the address specified in DA PAM 738-750.

1-4. **Destruction of Army Material to Prevent Enemy Use.** Command decisions, according to tactical situation, will determine when destruction of the trailer pump unit will be accomplished. A destruction plan will be prepared