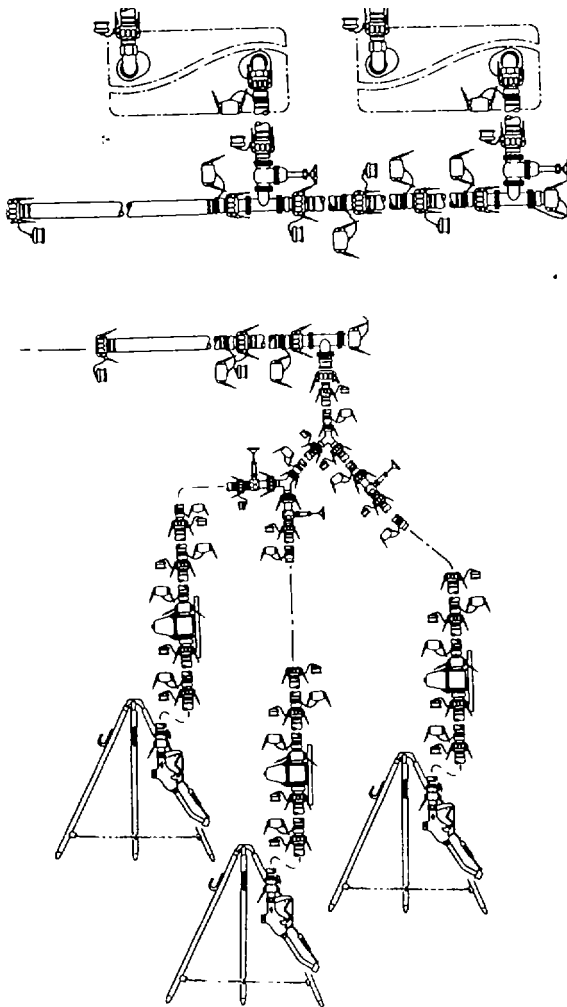


TECHNICAL MANUAL**OPERATOR'S, UNIT AND
DIRECT SUPPORT
MAINTENANCE MANUAL**

**800K WATER STORAGE
AND
DISTRIBUTION SYSTEM
MODEL WSDS810
NSN: 4610-01-360-1581**



HOW TO USE THIS MANUAL	iii	
EQUIPMENT DESCRIPTION AND DATA	1-3	
OPERATION UNDER USUAL CONDITIONS	2-27	
OPERATOR TROUBLESHOOTING PROCEDURES	3-1	
UNIT MAINTENANCE PROCEDURES	4-1	
DIRECT SUPPORT MAINTENANCE PROCEDURES	5-1	
MAINTENANCE ALLOCATION CHART	B-1	
COMPONENTS OF END ITEM AND BASIC ISSUE ITEMS LIST	C-1	
EXPENDABLE / DURABLE SUPPLIES AND MATERIALS LIST	E-1	
ALPHABETICAL INDEX	Index 1	

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HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON D.C., 4 December 1992

**OPERATOR'S, UNIT AND DIRECT SUPPORT
MAINTENANCE MANUAL
for
800K WATER STORAGE AND DISTRIBUTION SYSTEM
MODEL WSDS810
NSN: 4610-01-360-1581 AND
MODEL 800KWSDS
NSN: 4610-01-382-3547**

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 or DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual directly to: Commander, US Army Aviation and Troop Command, ATIN: AMSAT-I-MP, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. In either case, a reply will be furnished directly to you.

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TABLE OF CONTENTS

	PAGE
HOW TO USE THIS MANUAL.....	iii
CHAPTER 1. INTRODUCTION	
Section I. General Information.....	1-1
Section II. Equipment Description and Data.....	1-3
Section III. Principles of Operation.....	1-10
CHAPTER 2. OPERATING INSTRUCTIONS	
Section I. Description and Use of Operator's Controls and Indicators.....	2-1
Section II. Operator's Preventive Maintenance Checks and Services (PMCS).....	2-7
Section III. Operation Under Usual Conditions.....	2-27
Section IV. Operation Under Unusual Conditions.....	2-93
CHAPTER 3. OPERATOR MAINTENANCE INSTRUCTIONS	
Section I. Lubrication Instructions.....	3-1
Section II. Operator Troubleshooting.....	3-1
Section III. Operator Maintenance Procedures.....	3-26
CHAPTER 4. UNIT MAINTENANCE INSTRUCTIONS	
Section I. Repair Parts and Special Tools List.....	4-2
Section II. Service Upon Receipt.....	4-2
Section III. Unit Troubleshooting Procedures.....	4-6
Section IV. Unit Maintenance Procedures.....	4-27
Section V. Preparation for Storage or Shipment.....	4-130

TABLE OF CONTENTS - Continued.

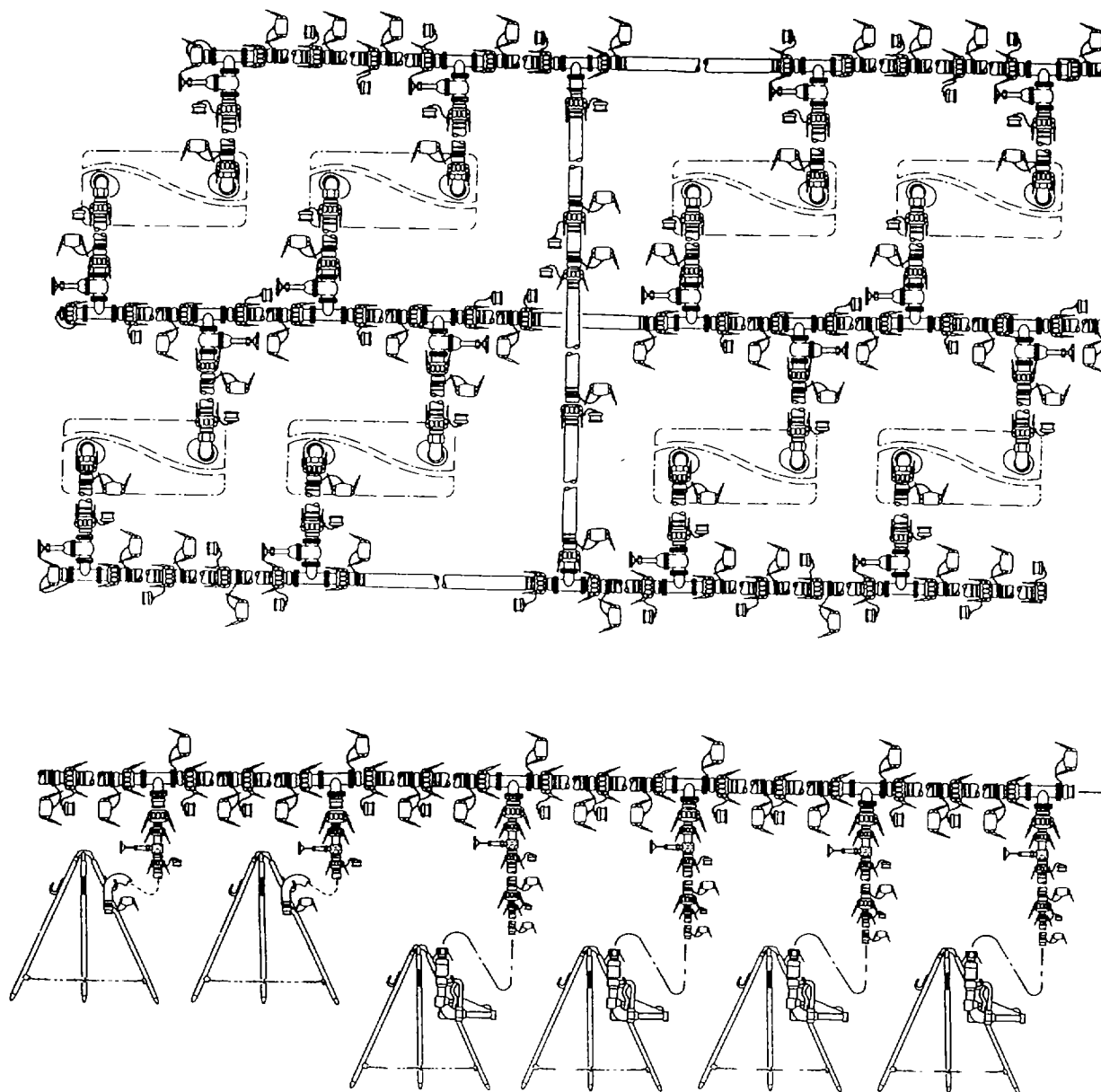
	PAGE
CHAPTER 5. DIRECT SUPPORT MAINTENANCE	
Direct Support Maintenance Procedures	5-1
APPENDICES	
Appendix A. References	A-1
Appendix B. Maintenance Allocation Chart	B-1
Appendix C. Components of End Item and Basic Issue Items List	C-1
Appendix D. Additional Authorization List.....	D-1
Appendix E. Expendable/Durable Supplies and Materials List.....	E-1
Appendix F. Lubricating Instructions	F-1
Appendix G. Illustrated List of Manufactured Items.....	G-1
Appendix H. Torque Limits	H-1
Appendix I. Mandatory Replacement Parts.....	I-1
Alphabetical Index	Index-I

HOW TO USE THIS MANUAL

Be sure to read all Warnings before using your equipment.

This manual contains operating and maintenance instructions for operation and maintenance of the 800K Water Storage and Distribution System.

- Chapter 1 - Introduces you to the equipment and gives you information such as weight, height, length, generally used abbreviations and information on how the unit works. The chapter is preceded by a full page illustration of the equipment.
- Chapter 2 - Provides information necessary to identify and use the equipment's operating controls. Operating instructions in this chapter tell you how to use the equipment in both usual and unusual weather conditions. In addition, preventive maintenance instructions provide information needed to inspect and service the 800K Water Storage and Distribution System.
- Chapter 3 - Provides operator troubleshooting procedures for identifying equipment malfunctions and maintenance instructions for performing operator maintenance tasks.
- Chapter 4 - Provides unit maintenance personnel with troubleshooting procedures for identifying equipment malfunctions and maintenance instructions for repairing defective equipment.
- Chapter 5 - Provides direct support maintenance personnel with maintenance instructions for performing repairs on equipment as authorized by the maintenance allocation chart.
- Appendix A - Provides a list of frequently used forms and publications referenced or used in this manual.
- Appendix B - The Maintenance allocation chart identifies repairable components and the maintenance level authorized to perform the repairs.
- Appendix C - Lists components that are not mounted on the equipment, but are required to make the unit functional. All components in the Components of End Item and Basic Issue Items Lists are illustrated for easy identification.
- Appendix D - Lists additional equipment authorized for your unit for use with the 800K system, but are not supplied as part of system. This equipment list may include fire extinguishers, buckets, protective clothing etc.
- Appendix E - Provides you with information about expendable supplies such as sealants, lubricants, chemicals etc. that are used when operating or maintaining the equipment.
- Appendix F - Contains lubrication instructions that are required to keep the equipment in good working condition.
- Appendix G - Provides a list of items and instructions on how to make certain tools and devices required to perform some of the maintenance tasks contained in this manual.
- Appendix H - Lists parts that must be replaced when performing maintenance on components of the water system. This list includes such things as gaskets, lockwashers and seals.



CHAPTER 1

INTRODUCTION

Paragraph		Page
Section I	General Information	1-1
1-1	Scope	1-1
1-2	Maintenance Forms, Records and Reports.....	1-1
1-3	Corrosion Prevention and Control (CPC).....	1-1
1-4	Destruction of Army Materiel to Prevent Enemy Use.....	1-2
1-5	Reporting Equipment Improvement Recommendations (EIRs).....	1-2
1-6	Nomenclature Cross Reference List	1-2
1-7	List of Abbreviations.....	1-2
1-8	Glossary.....	1-2
Section II	Equipment Description and Data	1-3
1-9	Equipment Characteristics, Capabilities and Features.....	1-3
1-10	Location and Description of Major Components.....	1-4
1-11	Equipment Data	1-6
Section III	Principles of Operation	1-8
1-12	System Technical Principles of Operation	1-8

Section I. GENERAL INFORMATION

1-1. SCOPE.

This manual contains Operating instructions, Unit maintenance and Direct Support maintenance procedures required to operate and maintain the 800K Gallon Water Storage and Distribution System, Model WSDS810 and Model 800KWSDS. The purpose of the water system is receive, store and distribute potable water to individual water bags, tanker trucks and trailer mounted water tanks (water buffaloes). Differences in the configuration between Models WSDS810 and 800KWSDS are few. This manual describes Model WSDS810 as the baseline system. Where relevant, differences in the system configuration that apply to the Model 800KWSDS system are marked with the model number throughout the manual. In all cases, Model 800KWSDS components may be used in the Model WSDS810 system.

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 Systems (TAMMS)).

1-3. CORROSION PREVENTION AND CONTROL (CPC).

a. 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 the problem in future items.