#### **TECHNICAL MANUAL**

DIRECT SUPPORT AND GENERAL SUPPORT
MAINTENANCE MANUAL
WATER PURIFICATION UNIT VAN-TYPE
BODY MOUNTED
ELECTRIC DRIVEN, AC, 115, 208V SINGLE
AND 3 PHASE, 60 HERTZ
1/20 to 2 HP, 1500 GPH
(MET-PRO MODEL 1500-2600A)
NSN 4610-00-879-4612
(ETC MODEL S1500)
NSN 4610-01-016-9964

HEADQUARTERS
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# DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL WATER PURIFICATION UNIT VAN-TYPE BODY MOUNTED ELECTRIC DRIVEN, AC, 115, 208V, SINGLE AND 3 PHASE,

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#### REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistake 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, U.S. Army Troop Support Command, ATTN: AMSTR-MCTS, 4300 Goodfellow Boulevard, St. Louis, MO 63120-1798. A reply will be furnished directly to you.

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#### CHAPTER 1

#### INTRODUCTION

#### Section I. GENERAL

#### 1-1. **Scope.**

a. These instructions cover the 1500 gallon-per-hour Met-Pro Model 1500-2600A and ETC Model S1500, van-type, body mounted, water purification units. They provide information on the, maintenance of the equipment which is beyond the scope of the personnel, tools and equipment, or supplies normally available to using organizations.

*b.* The appendix contain a list of references. TM 5-4610-221-12 contains the maintenance allocation chart. The list of repair parts required by direct and general support maintenance facilities for support of the 1500 gallon-per-hour water purification unit is contained in TM 5-4610-221-34P.

## **1-2. Maintenance Forms and Records.** Equipment maintenance forms and procedures for their use are contained in

dures for their use are contained in DA PAM 738-750, The Army Maintenance Management System (TAMMS).

#### **NOTE**

Applicable forms, excluding Standard Form 46 (United States Government Motor Vehicles Operator's Identification Card) which is carried by the operator, shall be kept in a canvas bag mounted on the equipment.

1-3. Reporting Equipment Improvements Recommendations (EIR). EIR's can and must be submitted by anyone who is aware of an unsatisfactory condition with the equipment de sign or use. It is not necessary to show a new design or list a better way to perform a procedure, just simply tell why the design is unfavorable or why a procedure is difficult. EIR's may be submitted on SF368 (Quality Deficiency Report). Instructions for preparing EIR's are provided in DA PAM 738-750, The Army Maintenance Management System (TAMMS).

Mail directly to Commander, U. S. Army Troop Support Command, ATTN: AMSTR-QX, 4300 Good fellow Blvd., St. Louis 63120-1798. A reply will be furnished to you.

### 1-4. Destruction of Material to Prevent Enemy Use.

a. General. When capture of the water purification units by an enemy or abandonment of it to the enemy is imminent, the responsible unit commander must make the decision either to destroy the equipment or render it inoperative. Based on this decision, orders are issued which cover the desired extent of destruction. Whatever method of demolition is employed, it is essential to destroy the vital parts of the water purification units and all corresponding repair parts.

b. Mechanical Means. Use sledge hammers, crowbars, picks, axes, or other heavy tools which may be available, together with the tools normally included with the water purification unit to demolish the following vital parts in the order of priority listed. Completion of thefirst five steps will render the unit inoperative. Completion of the additional steps listed will completely destroy the equipment.

- (1) Erdlator tanks and filters.
- (2) Instruments, controls, and valves.
- (3) Truck and generator engine and accessories.
  - (4) Puncture the fuel tank.
  - (5) Slash the tires, hoses, and fabric tanks.

#### **NOTE**

The above steps are the minimum requirements for this method.

- (6) Pumps and electric motors.
- (7) Wiring and piping.