

DTG: 051713Z Aug 08

Precedence: ROUTINE

DAC: General

UNCLASSIFIED//

SUBJECT: Safety-of-Use (SOU) Message, TACOM Life Cycle Management Command (TACOM LCMC) Control NO. SOU-08-023, Operational, Modern Burner Unit, NSN 7310-01-452-8137, MBU V3 NSN 7310-01-507-9310, LIN B38672. End Item, all models Of The Mobile Kitchen Trailer With The Following NSN:

7360-01-174-8121; 7360-00-138-7782; 7360-01-092-0470; 7360-01-155-6020; 7360-01-214-1176; 7360-01-246-4646; 7360-01-313-2238; 7360-01-417-4635; 7360-01-439-8218; 7360-01-483-8617; AND 7360-01-500-4644. Modular Field Kitchen, NSN 7360-01-276-9817, FSC, NSN 7360-01-277-2558, CK, NSN: 7360-01-473-3408, and KCLFF's with the following NSN: 7360-01-200-9828 and 7360-01-347-1980.

Mobile Kitchen Trailer Density is 3729.

D XXX D
A X "WARNING" X A
N X DEATH OR SERIOUS INJURY TO SOLDIERS, OR DAMAGE X N
G X TO ARMY EQUIPMENT WILL OCCUR IF THE INSTRUCTIONS X G
E X IN THIS MESSAGE ARE NOT FOLLOWED. X E
R XXX R

1. Distribution:

a. This is an Operational Safety of Use Message. Commanders/Directors of Army Commands (AC)/Army Service Component Commands (ASCC)/Direct Reporting Units (DRU), Army National Guard (ARNG), US Army Reserve (USAR) Command and Responsible Offices will retransmit this message to all subordinate Commanders/Activities within 24 hours of receipt of this message and will, within 5 working days, acknowledge receipt of this message by e-mail to DAMI_safety.of.use@conus.army.mil or by telephoning DSN 786-6096, Commercial (586)574-6096 or in writing to Commander TACOM Life Cycle Management Command (TACOM LCMC), ATTN: AMSTA-LC-LMPM, 6501 E 11 Mile Rd Warren MI, 48397.

b. Commanders/Directors of Army Commands (AC)/Army Service Component Commands (ASCC)/Direct Reporting Units (DRU), Army National Guard (ARNG), US Army Reserve (USAR) Command and other Responsible Offices, will also track and report compliance of this message for all subordinate Commands/Activities to POC mentioned in paragraph 6A(1) NLT 30 days from the date of this message.

2. Problem:

a. The purpose of this SOUM is to help minimize the risk of death to personnel associated with the practice of operating the Modern Burner Unit inside permanent structures without proper ventilation.

b. The Modern Burner Unit and its associated appliances were designed

and tested in the Mobile Kitchen Trailer, Modular Field Kitchen, Food Sanitation Center w/Tent Expandable Modular Personnel and Modular General Purpose Tent System, and the Containerized Kitchen. It has not been tested for toxic gas accumulation in any other system or structure. Although a properly functioning Mobile Burner Unit can be safely operated in any adequately ventilated environment, factors including the condition of the Modern Burner Unit and poor ventilation can cause unsafe levels of gases to accumulate.

c. The main products of combustion of concern are Carbon Monoxide (CO), Carbon Dioxide (CO₂), Nitrogen Compounds (NOX), and Sulfur Dioxide (SO₂). The levels of these gases were measured in the field feeding systems and found to be safe; however, operating the Mobile Burner Unit in enclosed building was not tested and could present an unsafe condition.

3. USER ACTIONS:

a. Ensure that all Modern Burner Units are maintained in accordance with TM 10-7310-281-13&P. If it is determined by the local field commander that the risk of operating the Modern Burner Units inside a permanent structure is offset by the benefits of being in an enclosed area (protected from small arms fire, rocket attacks, other enemy actions, weather, etc.), measures should be taken to ensure adequate ventilation for a safe working environment. The air should be tested by a qualified Industrial Hygienist to ensure that the levels of above mentioned gases are within limits set by the American Conference of Government Industrial Hygienists. These levels are listed in the table shown in following link.

b. The link below summarizes the American Conference of Government Industrial Hygienists limits:
https://aeps2.ria.army.mil/commodity/soum/tacom_wn/08/mbu-table.pdf

c. Here is a summary of some commonly seen terms when discussing the limit or term of exposure:

TWA - Time Weighted Average. This is the level of gas (in PPM) that a person has been exposed to on average over some period of time (usually 8 hours).

PEL - Permissible Exposure Limit. This is the term OSHA uses for the limits it publishes.

STEL - Short Term Exposure Limit. This is a TWA defined over a short time period of 15 minutes. According to ACGIH, it should not be exceeded during any part of a workday, even if the 8-Hour TWA is within its limit.

Excursion Limit - An American Conference of Government Industrial Hygienists term that refers to the Ceiling limit for a short period of time (typically 15 - 30 minutes). This limit is used when no STEL is published, and is defined as 5 times the 8-Hour TWA limit (Source: American Conference of Government Industrial Hygienists Handbook of TLVs and BEIs, 2004).

d. Carbon monoxide is heavier than air. If there is a building level below the operating Mobile Burner Unit (for example, a basement), this area should also be monitored to ensure that heavy gases do not accumulate.

e. Technical References -

(1) Technical Manual, Mobile Burner Unit NSN 7310-01-452-8137 and Mobile Burner Unit V3, NSN 7310-01-507-9310, TM 10-7310-281-13&P.

(2) Health Hazard Assessment Report (RCS MED 388) on the Modern Burner Unit (MBU), 69-37-1811-99, March 1999.

4. PROGRAM SPONSOR (PS) Actions:

a. Disposition - None.

b. Publications that require change as a result of this Inspection - None.

5. Supply Status:

a. Parts Required - N/A.

b. Requisitioning Instructions - N/A.

c. Disposition - N/A.

d. Estimated cost of stock fund items - N/A

6. Points of Contact:

a. PM Force Sustainment Systems.

(1) Technical POC is Mr. Glenn Doucet, SFAE-CSS-FP-F, DSN 256-4058 OR Commercial (508) 233-4058, OR email GLENN.DOUCET@US.ARMY.MIL.

(2) Logistics information POC is Mr. David O'Leary SFAE-CSS-FP-F, DSN 256-4107, Commercial (508) 233-4107, OR email DAVID.OLEARY@US.ARMY.MIL.

(3) Safety POC is Mr. Dan Gregory, AMSRD-NSR-BO-O, DSN 256-4883, Commercial (508) 233-4883, OR email DAN.GREGORY@US.ARMY.MIL.

b. To find your TACOM LCMC Logistics Assistance Representative (LAR), you must be a registered user in the Army Electronic Product Support (AEPS) database. If you are a registered user, click on this link: <https://aeps2.ria.army.mil/Services/Lars/Tacom/larmap/LARlocate/larmap.cfm> Then select the appropriate region; i.e. CONUS, Europe, Far East, and SWA. Select the location nearest you and click on a name. This will give you a LAR's name, DSN and commercial phone number, email address, and photo.

(1) If you are not a registered user, request access at the public page: <https://aeps.ria.army.mil/aepspublic.cfm> click on "Access Request Form" and follow the instructions for obtaining an AEPS userid. If you don't have

access to AEPS, you can also obtain this information by contacting the TACOM LCMC Senior Command Representative (SCR) for your area.

(2) CONUS-East Region includes all Active Duty, National Guard and Reserve Units in Wisconsin, Illinois, Michigan, Indiana, Ohio, Kentucky, Tennessee, Mississippi, Alabama, Georgia, Florida, Louisiana, South Carolina, North Carolina, Virginia, West Virginia, Maryland, Delaware, Pennsylvania, New Jersey, Connecticut, Rhode Island, Massachusetts, New York, New Hampshire, Vermont, Maine and FORSCOM. CONUS-East SCR can be reached at DSN 236-6921, Commercial 910-396-6921.

(3) CONUS-West Region includes all Active Duty, National Guard and Reserve Units in North Dakota, South Dakota, Minnesota, Nebraska, Iowa, Missouri, Kansas, Oklahoma, Arkansas, Texas, Colorado, Montana, and Wyoming. CONUS-West SCR can be reached at DSN 737-0263, Commercial 254-287-0263.

(4) Pacific Region includes all Active Duty, National Guard and Reserve Units in Washington, Oregon, Idaho, Nevada, Utah, Arizona, Alaska, Hawaii, California, New Mexico and Guam. Pacific SCR can be reached at DSN 357-2991, Commercial 253-967-2991.

(5) Europe Region includes all Active Duty, National Guard and Reserve Units in Great Britain, Germany, Belgium, Luxemburg, Italy, Bosnia, Kosovo, and Macedonia. Europe SCR can be reached at DSN 314-375-3461, Commercial 01149 621-487-3461, in Germany, 0621-487-3461.

(6) Far East Region includes all Active Duty, National Guard and Reserve Units in Korea, Okinawa, Kwajalein, and Japan. Far East SCR can be reached at DSN 315-721-7101, commercial 011-82-2-2270-7101.