

FORT CAMPBELL ENVIRONMENTAL HANDBOOK
Guidance and Instructions
FUEL TANK AND TANKER PURGING APPENDIX A

SUBJECT: Proper Procedures for Purging Petroleum Vehicles.

EQUIPMENT NEEDED: Units must have on hand the following equipment for tank purging and cleaning.

1. Drip pans
2. Absorbent material, and spill pads.
3. All hoses, reducers, nozzles and essential equipment for operating the vehicle.
4. Fire Extinguisher

STEP 1. REQUEST FOR PURGING:

1. Notify your unit Environmental Quality Officer of your purging needs.
2. Call PWBC Environmental Division water program at 798-9639, to setup a purging appointment.

STEP 2. VEHICLE PREPARATION:

1. Chock the wheels of the vehicle.
2. Remove all sources of ignition (lighters, matches etc.)
3. Remove all loose items from pockets (pencils, pens, keys etc.).
4. Ground petroleum tank vehicle.
5. Position drip pans and fire extinguishers.
6. Drain all petroleum product from fuel compartments into approved containers.
7. Drain all petroleum product from filter separator into approved containers.
8. Remove filter elements (*) and go/no go fuses from separator.
9. Drain all petroleum product from retail hoses.
10. Drain all petroleum product from manifold and compartment piping.
11. Drain all petroleum product from filter separator's water sump.

STEP 3. FILLING VEHICLE WITH WATER:

1. Close all valves on petroleum vehicle.
2. Replace gasket/o-ring on filter separator.
3. Tighten down filter separator cover.
4. *Fill fuel compartments with water using the table below.

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5. Check filter separator and all hose connections for leaks.

NOTE If utilizing water hoses, do not submerge nozzle or hose into the container being filled.

6. The following outlines the amount of water to be used for the purging operation.

	<u>FIRST RINCE</u>	<u>SECOND RINCE</u>	<u>THIRD RINCE</u>
HEMTT TANK TRUCK	2,000 GALLONS	1,500GALLONS	1,000 GALLONS
5,000 GALLON TANKER	3.000 GALLONS	2,000 GALLONS	2,000 GALLONS
TANK AND PUMP UNIT	600 GALLONS	600 GALLONS	600 GALLONS
600 GALLON POD	400 GALLONS	400 GALLONS	250 GALLONS

STEP 4..CONDUCTING RINSE OPERATIONS:

1. Ensure all compartment manhole covers are closed and secured.
2. Verify all valves and hose connections are closed and secured.
3. Remove grounding cable.
4. Remove chock blocks from wheels.
5. Drive the vehicle around for approximately five to ten miles, this will enable water to rinse the entire inside of the fuel compartments.

STEP 5. DRAINING WATER FROM TANK VEHICLE

1. Position petroleum vehicle at authorized water dumping location
2. Chock vehicle wheels.
3. Ground petroleum vehicle.
4. Connect the drainage / discharge hose.
5. Place drip pans under separator and all hose connections.
6. Open all compartment.
7. Open all manifold discharge valves.
8. If petroleum tank vehicle is equipped with an onboard recirculation system or an onboard pump, run the water and fuel mixture back through the manifold, filter separator, and all hose connections. Recalculate between 2,000 and 2,500 gallons of water. On HEMTT tank trucks, be sure to use the retail hose with the D-1 nozzle attached.
13. Ensure all water is Drained from the entire system before removing the discharge hose. manifold
14. The use of an Explosive meter is not conducted at this level, information regarding explosive meters can be addressed to the INSTALLATION MAINTENANCE FACILITY (798-3242) .