



DEPARTMENT OF THE ARMY  
US ARMY INSTALLATION MANAGEMENT COMMAND  
HEADQUARTERS, UNITED STATES ARMY GARRISON, FORT LEE  
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FORT LEE VIRGINIA 23801-1818

Environmental Management Div.  
Fort Lee, VA 23801-1604  
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NOV 6 2012

IMLE-PWE

FORT LEE POLICY 16-12

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Fort Lee Wash Rack Petroleum Purging Policy

1. REFERENCES:

- a. 49 CFR Part 172 – Hazardous Materials Table, Special Provisions, Hazardous Materials Communications, Emergency Response Information, and Training Requirements
- b. AR 200-1, Environmental Protection and Enhancement, 21 February 97
- c. FM 10-67-1, Concept and Equipment of Petroleum Operations, 1 April 1998
- d. Fort Lee Emergency Response Action Plan “The Red Plan”, 1 July 2009

2. PURPOSE: To provide guidance to all Soldiers, civilians, and contractors assigned or working at United States Army Garrison Fort Lee on the proper purging of petroleum products from vehicles, tankers and storage vessels of any type.

3. BACKGROUND: To comply with Federal and Army regulations and provide guidance for utilizing the Directorate of Public Works (DPW) purge rack. This policy shall apply to the purging of petroleum products from vehicles, tankers and storage vessels of any type.

4. POLICY:

a. All organizations, units, and tenants residing on Fort Lee will adhere to the provisions set forth in this policy. This policy shall only apply to purging of petroleum products. The purging of any other chemical or substance must be approved by the Fort Lee Environmental Management Office (EMO) before attempting to access the purge rack. EMO staff may be contacted at 734-5014.

b. The goal of purging is to certify that vehicles, tankers or other storage vessels are vapor free. Vapor testing will be conducted by Directorate of Public Works (DPW) personnel and scheduled at least 24 hours in advance. The Ft. Lee DPW point of contact for tank testing is the

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Quality Assurance Safety Manager with GENCO, Advanced Federal Services (AFS), located at building 6209, phone: 804-734-5240.

c. All organizations, units, and tenants shall refer to the 49th Petroleum Purging Standard Operating Procedure (SOP) for purging procedures. A copy may be found at the EMO SharePoint Site <http://emoflee>. The SOP is found on the Hazardous Waste Management Program Page.

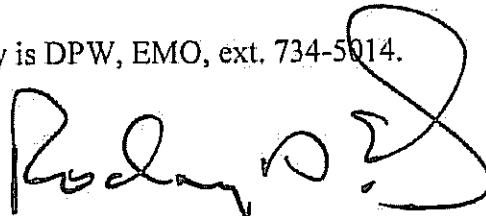
d. Before purging solution is used all fuel will be drained from the unit as is practical. In addition, all filters will be removed and the fuel transferred to a suitable container. If the fuels are deemed unusable, units are to contact the Hazardous Waste Office to pick up the slop fuel. The POCs are Mr. Griffith at 804-721-9267 or Mr. Weeks at 804-400-5538. The Hazardous Waste Office will pick up fuel (less than 200 gallons), and it must be placed in 55 gallon drums, with all caps tightened. For larger volumes, units must deliver the fuel to the Hazardous Waste Office, Building 7123 to transfer to a bulk container.

e. All purging shall take place at the designated wash rack located at Building 9035, Car Care Center on Fort Lee. The Point of Contact (POC) for the DPW wash rack is Mr. Ray McClenny, Phone 804-734-5087; Cell 804-640-6458. The keys to the Purge Wash Rack can be picked up at Building 6220. Prior to obtaining the keys and utilizing the Purge Wash Rack, the DPW Purging Form must be completed (Appendix A) and the 49th Petroleum Purging SOP (Appendix B) should be read.

f. Units will ensure all safety protocols are followed and all necessary safety equipment is present during the purging operations. For further information on necessary equipment or procedures, contact the Post Safety Office at 765-3130.

5. EFFECTIVE DATE: This policy is effective on the above-mentioned date of this memorandum.

6. PROPONENT: Proponent for this policy is DPW, EMO, ext. 734-5014.



2 Encls

RODNEY D. EDGE  
COL, LG  
Garrison Commander

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LEEKEY



PROTECTING THE LAND WE DEFEND



ENVIRONMENTAL MANAGEMENT OFFICE  
FORT LEE

## DPW Purge Form

**This form is to be filled out prior to receiving the keys for use of the purge wash rack.**  
**One form is required for each Department/Organization per day.**

- Has a copy of the DPW Purge Policy been obtained?
- Has the GENCO/AFS representative been contacted to schedule the DPW Certifier?
- Has a copy of the 49<sup>th</sup> Group Purging SOP ("SOP") been obtained?
- Has the SOP been read and understood?
- Will only petroleum products be purged?
  - If not, has EMO been contacted?
  - Has authorization from EMO been given in writing?
- Any key(s) will be returned by 1600 to the DPW.

By signing this form, the undersigned acknowledges that all policies and procedures that are outlined in the Fort Lee Petroleum Purge Policy and 49<sup>th</sup> Group Purging SOP will be followed. No chemicals or substances not authorized by EMO will be discharged to the purge rack. Any fines or penalties from state or local officials resulting from a failure to follow these procedures shall be the responsibility of the Department or Organization incurring the violation.

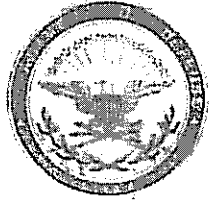
Name: \_\_\_\_\_

Organization: \_\_\_\_\_

Date: \_\_\_\_\_

(Appendix B)

Individuals are responsible for ensuring the correct use of the correct type of disposal methods or countermeasures.



DEPARTMENT OF THE ARMY HEADQUARTERS  
49TH QUARTERMASTER GROUP  
3300 B AVENUE  
FORT LEE, VIRGINIA 23801-1708

REF ID: A111111  
ATTENTION OF:

AFFL-GC

6 April 2010

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: 49th Quartermaster Group Purging of Petroleum Vehicles Standing Operating Procedures (SOP).

1. References:

- a. 49 CFR Part 172--Hazardous Materials Table, Special Provisions, Hazardous Materials Communications, Emergency Response Information, And Training Requirements.
- b. FM 10-67-1, Concept and Equipment of Petroleum Operations, 1 April 1998
- c. Fort Lee Emergency Response Action Plan ("The Red Plan"), 1 July 2009. (<http://www.fleecemw/default.aspx>)
- d. 49th Group Petroleum Spill Prevention, Control, and Countermeasure Standing Operations Procedure (SOP), April 2010.

2. Units that require the purging of Diesel/JP-8 petroleum vehicles will follow this process to ensure that tankers and portable tanks are completely free of petroleum products prior to shipment or turn-in (MOGAS or other fuels takers will be by local contract).

3. The goal of purging petroleum vehicles and tanks is to certify the vehicle as vapor free. (The certification of vapor freeness is good for 24 hours for some levels of transfer or shipment). If planning permits, these tests should be scheduled with the DPW/DOL Certifier at least 24 hours prior to testing. The Ft. Lee POC for tank testing is Reyna Diaz-Keese, the Quality Control Safety Manager with GENCO/AFS, located at building 6209. Phone: 804-734-5240.

4. Soldiers will not purge vehicles or tanks using unit wash racks, unless the Post Environmental Office has specifically authorized such activity. The purging process and use of designated Post Purge Wash Rack will be coordinated with DPW/DOL by the unit. The POC for DPW/DOL is Mr. Ray McClenney at 734-5087; Cell 804-640-6458. The keys to the Purge Wash Rack will be picked up at building 6220 room number 22. The Purge Rack is located by Building 9035, Car Care Center on Fort Lee.

5. Purging chemicals and supplies will be purchased through the units funds. The authorized purging solution is CITRA-KLEEN (NSN 7930-01-350-7034). This will be ordered through unit level supply in 6 gallon containers. The required amount of solution is as follows:

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- a. 18 gallons for a 7500 tanker.
- b. 12 gallons for a 5000 tanker.
- c. 5 gallons for a 2500 tanker.
- d. 3 gallons for a 1200 tanker / TPU.
- e. 1.5 gallons are required for a 525 / 600 container

6. Steps For Purging and Gas-Free Certification: (Steps a.-e. will be complete prior to taking the vehicle to the Purging Rack). The operating unit will:

a. Include in the DPW/DOL request for support details on the type of POL product (residual) that is the empty tanker or vessel, using a recent DA2077 as supporting documentation.

b. Request a DPW/DOL contractor maintenance technician for vapor free certification testing as described in paragraph 2.

c. Ensure that all filters, canisters and fuses are removed from the separator on the tanker. d.

Ensure that unit has provided adequate HAZMAT supplies, proper grounding, secondary containment, firefighting equipment, vehicle placards, 49th Group Spill SOP, and required PPE.

e. Have a vehicle on hand to reclaim fuel. Drain all fuel from compartments, piping, retail hoses, and filter separator (removing all elements, screens and fuses), to include the fuel in the D-1 nozzle inlet on tanker body. If fuel cannot be recovered to another vehicle or tank within the unit, request support through the 530th Battalion Maintenance Officer or the Ft. Lee Military in the Field Site (for reutilization or recovery at a later date).

f. Pull only one vehicle into the Purge Wash Rack at a time; use the far right space with the raised curb. There are three water outlets that can be utilized on the Purging Wash Rack to fill and rinse vehicles (garden type hose book-up/ hoses are not provided). The best method to fill up the tankers is to contact the Post Fire Department for use of a fire hydrant; the Fire Chief can be reached at 734-7918. The expected flow rate on hydrants is between 300-350 gallons per minute. This can allow 2 or more tankers to be staged at one time for filling.

g. Fill all fuel compartments halfway with water, then add CITRA-KLEEN, and fill the remainder of the fuel compartment with water.

h. Circulate the water and purging solution mixture through the pump, meter, piping, filter separator, and dispensing hoses for at least three minutes.

i. Operate the vehicle for approximately five miles to agitate the solution. NOTE: used CITRA-KLEEN solution can be reused up to two additional times if necessary. Add more solvent to bring the mixture back up to strength.

j. Drain all of the solution onto the approved site outlined in the guidance above.

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k. Fill the fuel compartment halfway, reticulate through the hoses, filter separator, and piping for at least five minutes. Do this three times, draining the solution into the approved site.

j. Dry the system using open ventilation or forced air for at least 24 hours.

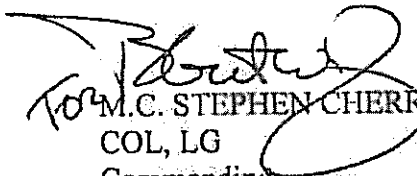
m. Request the DPW/DOL certifier test the tanker or tank. A zero-reading vapor free tests the equipment. Ensure to get a copy of the certificate of this test and maintain this for records.

n. When the equipment has passed inspection, leave dome hatch cracked open along with all valves open and nozzles off.

o. Set vehicle placarding to proper blank or CAS (hazard warning) on the tanker.

7. POCs for this SOP is the 49th GROUP POL OPS Section, Phone: 804-734-7298.

"49ERS ALL THE WAY!"

  
M.C. STEPHEN CHERRY IV  
COL, LG  
Commanding

LTC, LG  
Deputy Commander

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