

To: USS Comstock (LSD 45), DCA
FTSCLANT, CODE 4132D
CNSP N432A1, LCDR Michael Ziv

From: NORFOLK NAVAL SHIPYARD, PORTSMOUTH VA. CODE 267, ISEA AFFF
SYSTEMS

Subj: USS Comstock (LSD 45), AFFF SYSTEM FB
Ref: (A) MIP 5551- 031 A-2, MRC 36M-5R

1. Norfolk Naval Shipyard has investigated the procedure and technical criteria specified ref (A), step "an", in regard to obtaining AFFF 2-speed pump flow capacity and provides the following for MRC revision. ISEA considers the revisions to subject MIP/ MRC effective immediately and will be issued in the next SFR.
2. FTSCLANT: Please revise subject MRC as follows:

Add following "Note" above paragraph "e.", below "Note 5"

For ships which utilize a loop AFFF header configuration: At the discretion of ship's force, AFFF concentration testing may be conducted by utilizing an installed 1 ½" NPS hose valve located at the station to be tested in lieu of utilizing an installed hose reel/ rack station. If AFFF concentration testing is to be conducted utilizing an installed 1 ½" NPS hose valve located at the station, ship's force shall install an adequate length (125 ft – 150 ft) of fire hose on the valve and a 95 gpm hose nozzle for test purposes. Upon completion of testing, the installed fire hose and nozzle shall be removed and the station 1 ½" hose valve shall be aligned for normal standby operation.

Revise step "an." As follows:

If Q(pump) is calculated to be less than 21 gpm or greater than 33 gpm, ship's force may utilize an external flowmeter to obtain the AFFF 2-speed concentrate pump flow rate. In the event that pump capacity flowrates achieved utilizing an external flowmeter are found to produce a range of gpm's, the recorded flow rate shall be an average between the low and the high flow rates produced. If both the calculated and measured flow rate are not in the range of 21 gpm to 33 gpm, inform maintenance group supervisor; perform the following and repeat the test.

- (1) Ensure that AFFF concentrate tank vent line/vacuum breaker is open.
- (2) Confirm that pump suction and discharge cutout valves are fully open.
- (3) Inspect AFFF concentrate strainer for signs of blockage and build up of debris.
- (4) Insure that the refractometer is properly adjusted to read zero when tested with distilled water; inspect for damage.
- (5) Inspect calibration date of in-line pressure gage and inspect for damage; check accuracy against another calibrated pressure gage.

- (6) Inspect AFFF concentrate Powercheck valve for free movement of disc, clear hydraulic line, proper orientation of valve in piping, and no lower spring installed in valve.
- (7) Overhaul AFFF injection pump in accordance with vendor's technical manual.

3. Norfolk Naval Shipyard POC: Code 267, Robert A. Roth, Commercial 757-396-4772.

Robert A. Roth
Norfolk Naval Shipyard
Code 267