

# AFFF SYSTEM CHECK SHEET FOR USS \_\_\_\_\_ DATE: \_\_\_\_\_

- REF: A. PMS 5551/029 BALANCE PRESSURE PROPORTIONER  
 B. PMS 5551/031 TWO SPEED INJECTION PUMP  
 C. GSO 555  
 D. NSTM 079 VOL 2  
 E. NSTM 555  
 F. NAVSEA 05P4 Letter Ser05P4-023 of 27Feb04 (Attachment AFFF-2)  
 G. NAVSEA 05P Message 030510ZSEP03

AFFF STATION INSPECTION							
CHECK/INSPECT COMPONENT/SUB-COMPONENT	IAW	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT
<b>COMPARTMENT / LOCATION/STATION NR</b>							
<b>1. Inspect/test AFFF station communication.</b>							
<b>a. Test X50J sound powered phones.</b> - X50J sound powered phones was inop. - X50J hand set was inop. - X50J was not labeled. - Connection box was damaged. - Hand set was broken. - Sound power connection box was missing cover.	- SHIPS DC BOOK - DC PLATES -NSTM 079 V2						
<b>b. Test e-call.</b> - E-call was inop. - E-call was not labeled. - Connection box was damaged.	- SHIPS DC BOOK - DC PLATES -NSTM 079 V2						
<b>c. Test IVCS.</b> - IVCS was inop. - Head set was broken. - E-call was not labeled.	- SHIPS DC BOOK - DC PLATES -NSTM 079 V2						
<b>2. Test emergency lighting available and operating at each station.</b>	- MIP 6641/004						
<b>a. Relay operated lantern.</b> - Emergency lighting was inop. - Rubber boot was removed. - Emergency light was not installed. - Emergency lighting was not adequate.	- M-5 - GSO-555						
<b>b. Emergency fluorescent lighting.</b> - Emergency lighting was inop. - Rubber boot was removed. - Emergency light was not installed. - Emergency lighting was not adequate.	- Q-2 - GSO-555						
<b>3. Inspect last concentration analysis within PMS standards.</b> - Last concentration analysis was not IAW PMS. - Last concentration was out of specs. - Last concentration was out of periodicity. If unsat or past periodicity the ship will have to conduct a concentration analysis test prior to getting underway.	- 5551/029 36M-3R or 5551/031 36M-5R [See Note 1] - NAVSEA 1201319Z0CT93						
<b>4. Inspect station valve hand-wheels (painted the correct color).</b> - AFFF concentrate valve handwheel was not painted striped light blue/red. - Faom Discharge Plug (AFFF) was not painted striped red/green. - AFFF solution (concentrate/salt water mix) was not painted striped red/dark green. - Firemain COV handwheel was not painted red. - COV ( ) was missing its classification plate. - COV ( ) was missing its label plate.	- NSTM 505 - NSTM 079 V2						
<b>5. Inspect actuation points. (Numbered and classified).</b> - Push buttons were not libeled. - Push buttons were not classified. - Push buttons were missing photoluminescent markings.	- NSTM 079 V2 SHIPS DC BK EOSS						
<b>6. Inspect photoluminescent markings applied at all actuation points?</b> - Photoluminescent marking was missing. - Photoluminescent marking was damaged.	- NSTM 079 V2						
<b>7. Inspect valves. (Alignment, classification, label plate, dete0ration, fasteners and function)</b> - Valve was missing locking device. - Not classified IAW the ships dc book. - Valve was leaking. - Valve leaked by the seat. - Hytrol valve was painted. - Hycheck valve was painted. - Power check valve was painted. - Valve had ferrous fasteners. - Valve was not properly aligned. - Valve was not properly labeled according to function.	- NSTM 079 V2 SHIPS DC BK - NSTM 555 - NSTM 505 - 5551/029 D-5 or 5551/031 D-2 - EOSS						
<b>8. Inspect warning sign's.</b> - Hearing warning sign was not posted AFFF pump area. - 440 volt warning sign was missing from SOPV.	- OPNAVINST 5100.19 SERIES						
<b>9. Inspect deck drains.</b> - Deck drains were not labeled.	- SHIPS DC BK - NSTM 079 V2 - EOSS						

AFFF STATION INSPECTION							
CHECK/INSPECT COMPONENT/SUB-COMPONENT	IAW	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT
COMPARTMENT / LOCATION/STATION NR							
- Deck drain was not operational. - Deck drain was not classified. - Missing deck drain screws. - Missing deck drain tee wrench.	- VLV ALIGNMENT DIAGRAM						
<b>10. Inspect tank level indicator</b> - Guard was missing - Tank level indicator was inop - Drain valve leaked - Drain valve was missing locking device - Hand wheels missing from tank level indicator.	- NSTM 079 V2 - NSTM 555 V1 - EOSS - VLV ALIGNMENT DIAGRAM						
<b>11. Inspect gages.</b> - Gage(s) was/were inop. - Gage(s) was/were not calibrated. - Gage(s) was/were out of calibration. - Gage(s) was/were not mounted. - Gage(s) was/were leaking.	- NAVSEAINST / METCALINST GSO FTMM						
<b>12. Inspect SOPV</b> - SOPV telltale hole indicated leakage. - SOPV had water leaking in to the electrical box. - SOPV was not labeled according to function. - SOPV had excess wiring. - SOPV was not classified. - SOPV was missing plug in the bottom. - SOPV was missing screws in the base plate. - SOPV was leaking. - SOPV was missing 440 volts label. - SOPV box was corroded. - SOPV box had dirt and debris inside the electrical box. - SOPV was not wired for relay burnout protection.	- SHIPS DC BK - MACALT 555-59006 - OPNAVINST 5100.19 SERIES  - NAVSEA 05P4 Letter Ser05P4-023 of 27Feb04 (Attachment AFFF-2)						
<b>13. INSPECT/TEST STATIONS ABT</b>							
<b>a. Inspect ABT.</b> - ABT was not properly labeled. - ABT was damaged. - Power available light was out or inop. - ABT control switch was broken off.	SHIPS ELEC. SIB						
<b>b. Test ABT with system running in recirc. (Pull power from breaker)</b> - ABT failed to operate. - ABT would not switch for primary power to alternate power. - ABT would not switch from alternate power back to primary power. - Power available light was inop. - ABT test switch was broken.	GSO 555n3						
<b>c. Test ABT load transfer test switch. (Insure pump is running)</b> - ABT failed to operate. - ABT would not switch for primary power to alternate power. - ABT would not switch from alternate power back to primary power. - Power available light was inop. - ABT test switch was inop.	Ship specific PMS						
<b>14. Inspect and test AFFF pump.</b> Place pump in recirc and operate pump locally. - Pump vibrated heavily. - Pump foundation required preservation. - Pump leaked AFFF from mechanical seal. - Pump coupling was loose. - Pump drive belt was loose/worn/damaged. - Pump was inop.	- M-1						
<b>15. Inspect and test pump relief valve:</b> > (220 to 230 BPP with POWER CHECK service valves). (210-230 for two speed injection pump), (210-230 with HYTROL service valves.) - Relief valve was not set IAW PMS (to high/to low). - Relief valve was inop. - Relief valve could not be adjusted. - Relief valve leaked. - Relief valve was not tagged with relief valve setting and dates.	- 5551/029 A-6R						
<b>16. Perform concentration analysis test.</b> (High and low demand off of each station).	5551/029 36M-3R or 5551/031 36M-5R [See Note 1]						
<b>a. Perform low demand test.</b> (From a hose nozzle. Note: Ensure the correct size nozzle is used) - Ship did not have inline pressure gage. - Inline pressure gage was out of calibration. - AFFF concentration was out of PMS specs. - Quantabs were expired.	5551/029 36M-3R or 5551/031 36M-5R [See Note 1]						
<b>b. Perform high demand test.</b> (From flight deck nozzles or bilge sprinkling nozzle) - AFFF concentration was out of PMS specs. - Quantabs were expired.	5551/029 36M-3R or 5551/031 36M-5R [See Note 1]						
<b>17. Verify proper AFFF concentrate</b> - AFFF Concentrate from BUCKEYE corporation is not permitted. Permitted list includes 3M, ANSUL, CHEMGUARD and KIDDE products.	SEA 05P Message 030510ZSEP03						

TEST MAIN SPACE AFFF BILGE SPRINKLING SYS:							
CHECK/INSPECT COMPONENT/SUB-COMPONENT	IAW	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT
COMPARTMENT / LOCATION/STATION							
<b>1. Test with salt water (system in recirc)</b> - AFFF bilge sprinkling system was not installed.	- GSO-555 - NSTM 555 - 5551/029 60M-3 or						

TEST MAIN SPACE AFFF BILGE SPRINKLING SYS:							
CHECK/INSPECT COMPONENT/SUB-COMPONENT	IAW	SAT/ UNSAT					
COMPARTMENT / LOCATION/STATION							
	5551/031 60M-6						
<b>a. From all push buttons/ actuation locations.</b> - SOPV failed to rotate. - SOPV was inop. - Push button was inop. - SOPV was wired backward. - Push button control was not located along side Halon actuation controls.	- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or - 5551/031 Q-4, A-5/60M-5, 60M-6, A-7						
<b>b. Verify s/w sprays out the nozzles.</b> - Nozzles were clogged.							
<b>c. Inspect Bilge Sprinkling SOPV</b> - SOPV telltale hole indicated leakage. - SOPV had water leaking in to the electrical box. - SOPV was not labeled according to function. - SOPV had excess wiring. - SOPV was not classified. - SOPV was missing plug in the bottom. - SOPV was missing screws in the base plate. - SOPV was leaking. - SOPV was missing 440 volts label. - SOPV box was corroded. - SOPV box had dirt and debris inside the electrical box. - SOPV was not wired for relay burnout protection.	- SHIPS DC BK - MACALT 555-59006 - OPNAVINST 5100.19 SERIES  - NAVSEA 05P4 Letter Ser05P4-023 of 27Feb04 (Attachment AFFF-2)						
<b>d. Did hy-check and power check and or hytrol valves operate properly?</b> - Hy-check failed to open/close. - Power check failed to open/close. - Hy-trol valve failed to open/close. - Valve steam failed to rise. - Valve steam indicating pin was missing. - Telltale leaked during testing.							
<b>2. Test bilge sprinkling with foam. (Verify AFFF coverage, normally completed underway)</b>	- GSO-555 - NSTM 555 - 5551/029 60M-3 or - 5551/031 60M-6						
<b>a. From all push buttons/ actuation locations.</b> - SOPV failed to rotate. - SOPV was inop. - Push button was inop. - SOPV was wired backward.	- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or - 5551/031 Q-4, A-5/60M-5, 60M-6, A-7						
<b>b. Inspect bilge coverage.</b> - _____ area had no coverage. - _____ nozzles were clogged causing bilge coverage problems.	- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or - 5551/031 Q-4, A-5/60M-5, 60M-6, A-7						

INSPECT / TEST INTERIOR AFFF HOSE REELS:							
CHECK/INSPECT COMPONENT/SUB-COMPONENT	IAW	SAT/ UNSAT					
COMPARTMENT / LOCATION/STATION							
<b>1. Test hose reel for free operation.</b> - Hose reel would not turn freely. - Hose reel crank was missing. - Hose reel crank would not rotate without interference.	- 5551/029 S-1/A-2 or - 5551/031 S-1/A-2						
<b>2. Valve had-wheels painted the correct color coding?</b> - Faom Discharge Plug (AFFF) was not painted striped red/green. - AFFF solution (concentrate/salt water mix) was not painted striped red/dark green. - Firemain COV handwheel was not painted red. - COV ( ) was missing it classification plate. - COV ( ) was missing its label plate.	- NSTM 505						
<b>3. Are photoluminescent markers applied?</b> - Photoluminescent marking was missing. - Photoluminescent marking was damaged.	- NSTM 079 V2 - GSO 555						
<b>4. Was hose reel hand ball valves latching devices removed?</b> IAW NAVSEA advisory directing the removal of the latching device from AFFF hose reels equipped with ball valve. - Hose reel latching devices was not removed.	- NAVSEA ADVISORY DTG 23JUL96. - GSO 436, 432, 507 - NAVSEA DWG 803-2145520						
<b>5. AFFF hose reel station communications operational.</b>							
<b>a. Test X50J sound powered phones.</b> - X50J sound powered phones was inop. - X50J hand set was inop. - X50J was not labeled. - Connection box was damaged. - Hand set was broken. - Sound power connection box was missing cover.	- SHIPS DC BOOK - DC PLATES - NSTM 079 V2						
<b>b. Test E-call.</b> - E-call was inop. - E-call was not labeled. - Connection box was damaged.	- SHIPS DC BOOK - DC PLATES - NSTM 079 V2						
<b>c. Test IVCS.</b> - IVCS was inop. - Head set was broken. - E-call was not labeled.	- SHIPS DC BOOK - DC PLATES - NSTM 079 V2						
<b>6. Is relay-operated emergency lighting available and operating at each station?</b>	- GSO 555						

**INSPECT / TEST INTERIOR AFFF HOSE REELS:**

CHECK/INSPECT COMPONENT/SUB-COMPONENT	IAW	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT
<b>COMPARTMENT / LOCATION/STATION</b>							
- Relay battle lantern was not installed. - Relay battle lantern was inop. - Emergency fluorescent lighting was inop.							
<b>7. Inspect nozzles.</b>							
<b>a. Inspect internal 1.5 nozzles.</b> - Nozzle was a 125gpm vice a 95gmp nozzle. - Nozzle was inop. - Nozzle was clogged. - Nozzle would not go into the flush position. - Nozzle would not cycle through all positions.	- NSTM 555 5551/029 A-1R or 5553/031 A-1R						
<b>8. Inspect Anti-crimp strap strap.</b> - Anti-crimp strap strap was not installed. Anti-crimp strap strap was loose. Anti-crimp strap was of the wrong material.	- 5551/029 S-1/A-2 or 5551/031 S-1/A-2						
<b>9. Inspect hose.</b> - Hose was out of hydrostatic test periodicity. - Hose was damaged.	- 5551/029 A-9 or 5551/031 A-9						
<b>10. Test hose reel</b>							
<b>a. Test hose reel push button.</b> - Hose reel push button was inop. - AFFF hose reel SOPV was inop.	- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or 5551/031 Q-4, A-5/60M-5, 60M-6, A-7						
<b>b. Test hose reel.</b> - Hose reel ball valve was inop. - Hose reel ball valve leaked by. - Swivel joint leaked. - Hose leaked at swivel joint. - Hose reel was too short/to long.	- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or 5551/031 Q-4, A-5/60M-5, 60M-6, A-7						
<b>c. Test nozzle.</b> - Nozzle was clogged. - Nozzle was inop. - Nozzle would not go in to the flush position. - Nozzle would not cycle freely.	- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or 5551/031 Q-4, A-5/60M-5, 60M-6, A-7						

**TEST FLIGHT DECK AFFF SPRINKLING SYS:**

CHECK/INSPECT COMPONENT/SUB-COMPONENT	IAW	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT
<b>COMPARTMENT / LOCATION/STATION</b>							
<b>1. Test flight deck AFFF sprinkling system from all actuation location.</b>	- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or 5551/031 Q-4, A-5/60M-5, 60M-6, A-7						
<b>a. Test push buttons.</b> - SOPV failed to rotate. - SOPV was inop. - Push button was inop. - SOPV was wired backward.	- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or 5551/031 Q-4, A-5/60M-5, 60M-6, A-7						
<b>b. Test Prifly push buttons.</b> - SOPV failed to rotate. - SOPV was inop. - Priflies push button was inop. - SOPV was wired backward.	- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-65551/029 Q-1, A-4/60M-3, A- 5/60M-5, A-6; or 5551/031 Q-4, A-5/60M-5, 60M-6, A-7						
<b>c. Inspect Bilge Sprinkling SOPV</b> - SOPV telltale hole indicated leakage. - SOPV had water leaking in to the electrical box. - SOPV was not labeled according to function. - SOPV had excess wiring. - SOPV was not classified. - SOPV was missing plug in the bottom. - SOPV was missing screws in the base plate. - SOPV was leaking. - SOPV was missing 440 volts label. - SOPV box was corroded. - SOPV box had dirt and debris inside the electrical box.	- SHIPS DC BK - MACALT 555-59006 - OPNAVINST 5100.19 SERIES  - NAVSEA 05P4 Letter Ser05P4-023 of 27Feb04 (Attachment AFFF-2)						
<b>d. Did hy-check and power check and or hytrol valves operate properly?</b> - Hy-check failed to open/close. - Power check failed to open/close. - Hy-trol valve failed to open/close. - Valve steam failed to rise. - Valve steam indicating pin was missing. - Telltale leaked during testing.							
<b>2. Inspect nozzles. (per zone).</b> - ___ of ___ nozzles were clogged. - Ball was missing from nozzle. - ___ nozzles were partially clogged. - Nozzle caps were installed. - Deck edge nozzle was missing. - Deck edge nozzle was bent. - Deck edge nozzle inclination was wrong.	- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or 5551/031 Q-4, A-5/60M-5, 60M-6, A-7						

TEST HANGER BAY AFFF SPRINKLING SYS:							
CHECK/INSPECT COMPONENT/SUB-COMPONENT	IAW	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT
COMPARTMENT / LOCATION/STATION							
<b>1. Test hanger bay AFFF sprinkling system from all actuation location.</b>	- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or - 5551/031 Q-4, A-5/60M-5, 60M-6, A-7						
<b>a. Test push buttons.</b> - SOPV failed to rotate. - SOPV was inop. - Push button was inop. - SOPV was wired backward.	- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or - 5551/031 Q-4, A-5/60M-5, 60M-6, A-7						
<b>b. Test Prifly /Conflag push buttons.</b> - SOPV failed to rotate. - SOPV was inop. - Pri flies push button was inop. - SOPV was wired backward.	- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or - 5551/031 Q-4, A-5/60M-5, 60M-6, A-7						
<b>c. Inspect Bilge Sprinkling SOPV</b> - SOPV telltale hole indicated leakage. - SOPV had water leaking in to the electrical box. - SOPV was not labeled according to function. - SOPV had excess wiring. - SOPV was not classified. - SOPV was missing plug in the bottom. - SOPV was missing screws in the base plate. - SOPV was leaking. - SOPV was missing 440 volts label. - SOPV box was corroded. SOPV box had dirt and debris inside the electrical box.	- SHIPS DC BK - MACALT 555-59006 - OPNAVINST 5100.19 SERIES  - NAVSEA 05P4 Letter Ser05P4-023 of 27Feb04 (Attachment AFFF-2)						
<b>d. Did hy-check and power check and or hytrol valves operate properly?</b> - Hy-check failed to open/close. - Power check failed to open/close. - Hy-trol valve failed to open/close. - Valve steam failed to rise. - Valve steam indicating pin was missing. - Telltale leaked during testing.							
<b>e. Inspect for clogged nozzles. (per zone).</b> - ___ of ___ nozzles were clogged. - Ball was missing from nozzle. - ___ nozzles were partially clogged. - Nozzle caps were installed.	- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or - 5551/031 Q-4, A-5/60M-5, 60M-6, A-7						

INSPECT / TEST FLIGHT DECK AFFF HOSE REELS:							
CHECK/INSPECT COMPONENT/SUB-COMPONENT	IAW	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT	SAT/ UNSAT
COMPARTMENT / LOCATION/STATION							
<b>1. Test hose reel for free operation.</b> - Faom Discharge Plug (AFFF) was not painted striped red/green. - AFFF solution (concentrate/salt water mix) was not painted striped red/dark green. - Firemain COV handwheel was not painted red. - COV ( ) was missing it classification plate. - COV ( ) was missing its label plate.	- 5551/029 S-1/A-2 or 5551/031 S-1/A-2						
<b>2. Inspect hose reel isolation valve.</b> - Valve hand wheels were not clearly labeled. - Handle was missing. - Valve was inop. - Valve leaked-by	- NSTM 079 V2 - NSTM 555						
<b>3. Is hose reel hand ball valves latching devices removed?</b> IAW NAVSEA advisory directing the removal of the latching device from AFFF hose reels equipped with ball valve. - Hose reel latching devices was not removed.	- NAVSEA ADVISORY DTG 23JUL96. - GSO 436, 432, 507 - NAVSEA DWG 803-2145520						
<b>4. AFFF hose reel station comms operational?</b>							
<b>a. Test x50j sound powered phones.</b> - X50j sound powered phones was inop. - X50j hand set was inop. - X50j was not labeled. - Connection box was damaged. - Hand set was broken. - Sound power connection box was missing cover.	- SHIPS DC BOOK - DC PLATES -NSTM 079 V2						
<b>b. Test e-call.</b> - E-call was inop. - E-call was not labeled. - Connection box was damaged.	- SHIPS DC BOOK - DC PLATES - NSTM 079 V2						
<b>5. Inspect hose reel.</b>	- 5551/029 S-1/A-2 or 5551/031 S-1/A-2						
<b>a. Inspect nozzles. External 125 GPM.</b> - Nozzle was a 95gpm vice a 125gmp nozzle. - Nozzle was inop. - Nozzle was clogged. - Nozzle would not go into the flush position.	- NSTM 555 - 5551/029 A-1R or 5551/031 A-1R						
<b>b. Inspect Anti-crimp strap strap.</b> - Anti-crimp strap strap was not installed. - Anti-crimp strap strap was loose.	- 5551/029 S-1/A-2 or 5551/031 S-1/A-2						
<b>c. Inspect hose</b> - Hose was out of hydrostatic test periodicity.	- 5551/029 A-9 or 5551/031 A-9						

**INSPECT / TEST FLIGHT DECK AFFF HOSE REELS:**

CHECK/INSPECT COMPONENT/SUB-COMPONENT	IAW	SAT/ UNSAT					
<b>COMPARTMENT / LOCATION/STATION</b>							
- Hose was damaged.							
<b>d. Inspect reel</b> - Not painted / preserved - Gear painted - Not labeled	- 5551/029 S-1/A-2 or 5551/031 S-1/A-2						
<b>6. Test hose reel.</b>							
<b>a. Test hose reel push button.</b> - Hose reel push button was inop. - AFFF hose reel SOPV was inop.	- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or - 5551/031 Q-4, A-5/60M-5, 60M-6, A-7						
<b>b. Test hose reel.</b> - Hose reel ball valve was inop. - Hose reel ball valve leaked by. - Swivel joint leaked. - Hose leaked at swivel joint. - Hose was to long/short .	- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or - 5551/031 Q-4, A-5/60M-5, 60M-6, A-7						
<b>c. Test nozzle.</b> - Nozzle was clogged. - Nozzle was inop. - Nozzle would not go in to the flush position. - Nozzle would not cycle freely.	- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or - 5551/031 Q-4, A-5/60M-5, 60M-6, A-7						

**TEST FORWARD VERT REP AFFF SPRINKLING SYS:**

CHECK/INSPECT COMPONENT/SUB-COMPONENT	IAW	SAT/ UNSAT					
<b>COMPARTMENT / LOCATION/STATION</b>							
<b>1. Test forward AFFF sprinkling system from all actuation location.</b> - SOPV failed to rotate. - SOPV was inop. - Push button was inop. - SOPV was wired backward.	- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or - 5551/031 Q-4, A-5/60M-5, 60M-6, A-7						
<b>b. Test bridge push button.</b> - SOPV failed to rotate. - SOPV was inop. - Pri flies push button was inop. - SOPV was wired backward.	- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or - 5551/031 Q-4, A-5/60M-5, 60M-6, A-7						
<b>c. Inspect Bilge Sprinkling SOPV</b> - SOPV telltale hole indicated leakage. - SOPV had water leaking in to the electrical box. - SOPV was not labeled according to function. - SOPV had excess wiring. - SOPV was not classified. - SOPV was missing plug in the bottom. - SOPV was missing screws in the base plate. - SOPV was leaking. - SOPV was missing 440 volts label. - SOPV box was corroded. SOPV box had dirt and debris inside the electrical box.	- SHIPS DC BK - MACALT 555-59006 - OPNAVINST 5100.19 SERIES  - NAVSEA 05P4 Letter Ser05P4-023 of 27Feb04 (Attachment AFFF-2)						
<b>d. Did hy-check and power check and or hytrol valves operate properly?</b> - Hy-check failed to open/close. - Power check failed to open/close. - Hy-trol valve failed to open/close. - Valve steam failed to rise. - Valve steam indicating pin was missing. - Telltale leaked during testing.							
<b>2. Inspect for clogged nozzles. (Per zone).</b> - ___ of ___ nozzles were clogged. - Ball was missing from nozzle. - Nozzles were partially clogged. - Nozzle caps were installed.	- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or - 5551/031 Q-4, A-5/60M-5, 60M-6, A-7						

**TEST JP5 PUMP RM AFFF BILGE SPRINKLING SYS:**

CHECK/INSPECT COMPONENT/SUB-COMPONENT	IAW	SAT/ UNSAT					
<b>COMPARTMENT / LOCATION/STATION</b>							
<b>1. Test with salt water (system in recirc)</b>	- MRC						
<b>a. From all push buttons/ actuation locations.</b> - SOPV failed to rotate. - SOPV was inop. - Push button was inop. SOPV was wired backward.	- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or - 5551/031 Q-4, A-5/60M-5, 60M-6, A-7						
<b>b. Verify s/w sprays out the nozzles.</b> - Nozzles were clogged.	- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or - 5551/031 Q-4, A-5/60M-5, 60M-6, A-7						
<b>c. Inspect Bilge Sprinkling SOPV</b> - SOPV telltale hole indicated leakage. - SOPV had water leaking in to the electrical box. - SOPV was not labeled according to function.	- SHIPS DC BK - MACALT 555-59006 - OPNAVINST 5100.19 SERIES						

TEST JP5 PUMP RM AFFB BILGE SPRINKLING SYS:							
CHECK/INSPECT COMPONENT/SUB-COMPONENT	IAW	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT
COMPARTMENT / LOCATION/STATION							
<ul style="list-style-type: none"> <li>- SOPV had excess wiring.</li> <li>- SOPV was not classified.</li> <li>- SOPV was missing plug in the bottom.</li> <li>- SOPV was missing screws in the base plate.</li> <li>- SOPV was leaking.</li> <li>- SOPV was missing 440 volts label.</li> <li>- SOPV box was corroded.</li> <li>- SOPV box had dirt and debris inside the electrical box.</li> </ul>	<ul style="list-style-type: none"> <li>- NAVSEA 05P4 Letter Ser05P4-023 of 27Feb04 (Attachment AFFF-2)</li> </ul>						
<b>d. Did hy-check and power check and or hytrol valves operate properly?</b> <ul style="list-style-type: none"> <li>- Hy-check failed to open/close.</li> <li>- Power check failed to open/close.</li> <li>- Hy-trol valve failed to open/close.</li> <li>- Valve steam failed to rise.</li> <li>- Valve steam indicating pin was missing.</li> <li>- Telltale leaked during testing.</li> </ul>							
<b>2. Test bilge sprinkling with foam.</b>							
<b>a. Test from all push buttons/ actuation locations.</b> <ul style="list-style-type: none"> <li>- SOPV failed to rotate.</li> <li>- SOPV was inop.</li> <li>- Push button was inop.</li> <li>- SOPV was wired backward.</li> </ul>	<ul style="list-style-type: none"> <li>- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or</li> <li>- 5551/031 Q-4, A-5/60M-5, 60M-6, A-7</li> </ul>						
<b>b. Inspect bilge coverage.</b> <ul style="list-style-type: none"> <li>- _____ area had no coverage.</li> <li>- _____ - nozzles were clogged causing bilge coverage problems.</li> </ul>	<ul style="list-style-type: none"> <li>- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or</li> <li>- 5551/031 Q-4, A-5/60M-5, 60M-6, A-7</li> </ul>						

TEST JP5 PUMP RM AFFB OVERHEAD SPRINKLING SYS:							
CHECK/INSPECT COMPONENT/SUB-COMPONENT	IAW	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT
COMPARTMENT / LOCATION/STATION							
<b>1. Test with salt water (system in recirc)</b>	<ul style="list-style-type: none"> <li>- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or</li> <li>- 5551/031 Q-4, A-5/60M-5, 60M-6, A-7</li> </ul>						
<b>a. Test from all push buttons/ actuation locations.</b> <ul style="list-style-type: none"> <li>- SOPV failed to rotate.</li> <li>- SOPV was inop.</li> <li>- Push button was inop.</li> <li>- SOPV was wired backward.</li> </ul>	<ul style="list-style-type: none"> <li>- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or</li> <li>- 5551/031 Q-4, A-5/60M-5, 60M-6, A-7</li> </ul>						
<b>b. Verify s/w sprays out the nozzles.</b> <ul style="list-style-type: none"> <li>- Nozzles were clogged.</li> </ul>	<ul style="list-style-type: none"> <li>- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or</li> <li>- 5551/031 Q-4, A-5/60M-5, 60M-6, A-7</li> </ul>						
<b>c. Inspect Bilge Sprinkling SOPV</b> <ul style="list-style-type: none"> <li>- SOPV telltale hole indicated leakage.</li> <li>- SOPV had water leaking in to the electrical box.</li> <li>- SOPV was not labeled according to function.</li> <li>- SOPV had excess wiring.</li> <li>- SOPV was not classified.</li> <li>- SOPV was missing plug in the bottom.</li> <li>- SOPV was missing screws in the base plate.</li> <li>- SOPV was leaking.</li> <li>- SOPV was missing 440 volts label.</li> <li>- SOPV box was corroded.</li> <li>- SOPV box had dirt and debris inside the electrical box.</li> </ul>	<ul style="list-style-type: none"> <li>- SHIPS DC BK</li> <li>- MACALT 555-59006</li> <li>- OPNAVINST 5100.19 SERIES</li> <li>- NAVSEA 05P4 Letter Ser05P4-023 of 27Feb04 (Attachment AFFF-2)</li> </ul>						
<b>d. Did hy-check and power check and or hytrol valves operate properly?</b> <ul style="list-style-type: none"> <li>- Hy-check failed to open/close.</li> <li>- Power check failed to open/close.</li> <li>- Hy-trol valve failed to open/close.</li> <li>- Valve steam failed to rise.</li> <li>- Valve steam indicating pin was missing.</li> <li>- Telltale leaked during testing.</li> </ul>							
<b>2. Test bilge sprinkling with foam.</b>							
<b>a. From all push buttons/ actuation locations.</b> <ul style="list-style-type: none"> <li>- SOPV failed to rotate.</li> <li>- SOPV was inop.</li> <li>- Push button was inop.</li> <li>- SOPV was wired backward.</li> </ul>	<ul style="list-style-type: none"> <li>- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or</li> <li>- 5551/031 Q-4, A-5/60M-5, 60M-6, A-7</li> </ul>						
<b>b. Inspect bilge coverage.</b> <ul style="list-style-type: none"> <li>- _____ area had no coverage.</li> <li>- _____ - nozzles were clogged causing bilge coverage problems.</li> </ul>	<ul style="list-style-type: none"> <li>- 5551/029 Q-1, A-4/60M-3, A-5/60M-5, A-6; or</li> <li>- 5551/031 Q-4, A-5/60M-5, 60M-6, A-7</li> </ul>						

TEST GTG SPACE AFFB BILGE SPRINKLING:							
CHECK/INSPECT COMPONENT/SUB-COMPONENT	IAW	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT
COMPARTMENT / LOCATION/STATION							



