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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | | | |
|----|-----------------------------|---|---|-----|-----|----------|--------|
| NE | OH0010 | ASBESTOS PROGRAM | | SAT | DEG | UNSAT | NA RBO |
| RE | FERENCES: | | SBESTO WORK PROTOCOL AEL ITEMS). OPNAVNOT 6260 2 Hygiene Field Operations Manual, latest revisionNMCPH | | | ⁄Ianual, | |
| | | NSTM, SHIPS DRAWINGS | | | | | |
| - | 101. Asbes | tos management plan | | | | | |
| - | evaluated | s the ship have an Industrial Hygiene Survey that all the work centers to identify areas that may stos containing materials and recommend actions se? | OPNAVINST 5100.19E B0104 | | | | |
| - | | the ship implement and maintain, at a minimum, os protocol for ship's force? | OPNAVINST 5100.19E B0102 | | | | |
| - | 101C. Does protocol(s) | s the ship hold a copy of the appropriate asbestos ? | OPNAVINST 5100.19E B0102 OPNAVINST 5100.19E APP B1-B & B1-C | | | | |
| - | 102 ASBES | TOS WORK RELEASE CRITERIA. | | | | | |
| - | 5100.19 Se asbestos w | Appendix B1-F checklist from OPNAVINST cries used by the ship to inspect spaces where work was performed, prior to release of those unrestricted access (applicable to brake assembly ? | OPNAVINST 5100.19E B0106 | | | | |
| - | 103. Asbes | tos work ael items. | | | | | |
| - | | e all AEL 2-330024045 items required for the Vork Protocol(s) onboard? | OPNAVNOTE 6260 | | | | |
| - | 104. EART | PROTOCOL | | | | | |
| - | team (EAR | s the ship have an emergency asbestos response T) designated, consisting of at least a supervisor, nd a cleaner? | OPNAVINST 5100.19E B0108 | | | | |
| - | where asb | the Safety Officer approved access to work areas estos work (repair or removal) was performed elease criteria checksheet? | OPNAVINST 5100.19E B0108 | | | | |
| - | 105 Eart Tr | raining | | | | | |
| - | | all EART personnel graduates of the shipboard esponse course, (CIN A-760-2166)? | OPNAVINST 5100.19E B0108 | | | | |
| - | 105B. Is EArecord? | ART training documented in the member's service | OPNAVINST 5100.19E B0108 | | | | |
| - | 106. SAMP | LE ANALYSIS PROFICIENCY | | | | | |
| - | analyze asl proficient i | the ship have at least one individual qualified to bestos bulk and air samples, who was rated in the Research Triangle Institute (RTI) testing ficiency Analytical Testing (PAT) programs? | Industrial Hygiene Field Operations Manual CHAP 7 PARA 6G. | | | | |
| - | 107. Medio | cal Surveillance | | | | | |
| - | | e personnel with previous asbestos exposure to the AMSP? | Medical Surveillance Procedures Manual and Medical Matrix #115 | | | | |

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| DK | ITEM EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | 107B. Were asbestos past workers spirometry, x-rays, and physical exams conducted within the correct periodicity? | Medical Surveillance Procedures Manual and Medical Matrix #115 | | |
| - | 107D. Are physical exams, spirometry and x-rays evaluated annually for personnel considered current asbestos workers? | Medical Surveillance Procedures Manual and Medical Matrix #113 | | |
| - | 107E. Were all designated EART asbestos personnel screened and placed in the AMSP? | OPNAVINST 5100.19E B0108 | | |
| - | 107F. Were Brake and Clutch assembly workers screened for placement in the AMSP? | OPNAVINST 5100.19E B0107 | | |
| - | 107G. Did the Engineering / Repair Dept. provide a list to the MDR of all personnel involved in EART asbestos operations? | OPNAVINST 5100.19E B0108 | | |
| - | 108. NON-FRIABLE ASBESTOS TRAINING | | | |
| - | 108A. Was documentation available to verify that all personnel currently exposed to or with potential exposure to non-friable asbestos had received asbestos training prior to or at the time of their initial assignment? | OPNAVINST 5100.19E B0107 | | |
| - | 108B. Was documentation available to verify that DIVOs and Work Center Supervisors of personnel currently exposed to or with potential exposure to non-friable asbestos had received asbestos training? | OPNAVINST 5100.19E B0107 | | |
| - | 109. NON-FRIABLE MATERIAL STOWAGE | OPNAVINST 5100.19E | | |
| - | 109A. Were non-friable asbestos-containing materials (such as GARLOCK gasket material and packing) stored in double, heavy-duty plastic bags or impermeable containers? | OPNAVINST 5100.19E B0104 | | |
| - | 109B. Were non-friable asbestos-containing materials labeled with standard asbestos labels? Warning labels must contain the words "DANGER, CONTAINS ASBESTOS FIBERS. AVOID CREATING DUST. CANCER AND LUNG DISEASE | OPNAVINST 5100.19E B0104 | | |

HAZARD."

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| | | | Ejjective Date | oj ciic | .cnije. | ' | 01-L60-12 |
|----|---------------------------------------|---|---|---------|---------|-------|-----------|
| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | | | |
| NE | OH0020 | ELECTRICAL SAFETY | | SAT | DEG | UNSAT | NA RBO |
| RE | FERENCES: | OPNAVINST 5100.19 SERIES, OPNAVINST 5102.1 | SERIES | | | | |
| | | NSTM, SHIPS DRAWINGS | | | | | |
| - | 100. CPR T | RAINING: | | | | | |
| - | 50% of all | documentation available to verify that at least electrical/electronics associated ratings (GSE, r, ET, AE, IC, FC, CT) were certified in basic life | OPNAVINST 5100.19E, B0708, b | | | | |
| - | | the ship have a certified American Red crican Heart Association CPR instructor on board? | OPNAVINST 5100.19E, B0708, b | | | | |
| - | 101. ELECT | RICAL HAZARDS: | | | | | |
| - | 101A. Wer isolated? | e dead-ended cables properly identified and | NSTM 300, 300-4.6.7. 1f & 4.6.9 | | | | |
| - | (Authorized models MF system mo | e there unauthorized power strips on the ship? d power strips are EFI, Electronics corporation PS-453EFI-120A amd MPS-6, Brooks power del Z6 (62P), International power technologies el navy controller V, an | OPNAVINST 5100.19E, C0903, r; NSTM 300, 300-2.7.3, 5e; MIP 3000, A4R | | | | |
| - | | e there unauthorized personal electronic items located aboard the ship? | OPNAVINST 5100.19E, B0702, e, 3; NSTM 300, 300- 2.7.3.6 | | | | |
| - | | e there multiple surge supressors being fed from lated circuit? | NSTM 300, 300-2.7.3.5, a | | | | |
| - | PROHIBITE CORDS, HI- HEAT PDS, | ES. THE FOLLOWING PERSONAL ITEMS ARE D FROM SHIPBOARD USE: FANS, PORT EXT -INTENS LAMPS, READING LAMPS, ELEC BLNKTS, TOOLS EXCEPT HOBBY, HEAT/SUN LAMPS, HOT D GRIDDLES, | ELEC CLOCKS, MICRWVE OVNS, PORT EXT LIGHTS, ELEC HEATERS, PORT FRIG AND A/C, IMMERSION TYPE WATER HEATERS | | | | |
| - | 102. EQUIF | PMENT SAFETY CHECKS: | | | | | |
| - | | e all personal, mobile and portable equipment h color coded tape or approved NSN supplied | NSTM 300, 300-2.7.3.6.2 | | | | |
| - | 102B. Wer | e electrical safety checks performed within the riodicity? | OPNAVINST 5100.19E, B0702, 2; NSTM 300, 300- 2.7.3.6.1 & 2.7.5.2.1; SEE NOTE 1 | | | | |
| - | | all personal electric/electronic equipment safety W NSTM 300? | OPNAVINST 5100.19E, B0702, e, 3; NSTM 300, 300- 2.7.3.6.4 through 2.7.3.6.9 | | | | |
| - | 102D. Wer | e the correct periodicities assigned to mobile and quipment? | SEE NOTE 1 | | | | |
| - | CHECKED A | ES1. ALL ELEC EQPMNT SHALL BE SAFETY ACCORD PMS. PORT EQPMNT REQ A QTRLY ECK (2 PRNG Q-1R & 3 PRNG Q-2R). MOB EQ 1 TIME SITUA CHCK (2 PRNG R-6 3 PRNG R-5) | SURGE SUPP. PERIODICITY IS A-4R. BATT CHARGER PERIODICITY IS Q-1R/Q-2R | | | | |
| - | | ES2. ELEC SAFETY CHCKS FOR PERSONAL ELEC CCOMP IN ACCORD WITH NSTM 300. | | | | | |
| - | HARDWIRE | ES3. MOB ELEC EQPMNT DEF AS A UNIT NOT ED, CAN BE MOVED, BUT NORM STATIONARY DPERATION | | | | | |

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
|----|---------------------------------------|---|--|--|--|
| - | 103. INDO | C SAFETY TRAINING: | | | |
| - | personnel training or requireme | s documentation available to verify that all when reporting aboard received indoctrination a basic electrical safety, including the ints regarding use of personal protective t and recognizing symptoms of ele | OPNAVINST 5100.19E, B0702, b & B0708, a | | |
| - | received a | documentation available to verify that all hands nnual training on electrical hazardawareness, vention and general electrical safety precautions. | OPNAVINST 5100.19E Appendix A5-A; NSTM 300, 305, 9, b, 2 | | |
| - | 104. PERS | ONAL PROTECTIVE EQUIPMENT (PPE): | | | |
| - | 104A. We damaged? | re electrical safety gloves deteriorated and/or | NSTM 300, 300-2.5.3.2; MIP 3000, R, 3 | | |
| - | | re electrical safety gloves being used for an ype of hazard? | OPNAVINST 5100.19E B0706, a & b; OPNAVINST 5100.19E C0903, a, 3; NSTM 300, 300-2.5.3.1 | | |
| - | | re electrical safety gloves PMS'ed and placed in ox for storage? | OPNAVINST 5100.19E B0706, b & C0903, a, 3; MIP 3000, R, 3 | | |
| - | | re electrical safety gloves used improperly for nandling or cleaning? | OPNAVINST 5100.19E B0706, b & C0903, a | | |
| - | | e leather over-gloves available to protect rubber m damage during use? | NSTM 300, 300-2.3.2i; 300-2.4.5.1, b; 300-2.5.3.4, 6 & 300-2.7.1, a | | |
| - | 104F. Wer | e safety goggles available for issue? | OPNAVINST 5100.19E B0506, a & b | | |
| - | 104G. We | re face shields available for issue? | OPNAVINST 5100.19E B0506, a | | |
| - | 104H. We | re safety goggles in working condition? | OPNAVINST 5100.19E B0506, c | | |
| - | 104I. Wer | e face shields were in working condition? | OPNAVINST 5100.19E B0506, c | | |
| - | 104J. Wer | e safety goggles dirty? | OPNAVINST 5100.19E B0506, c | | |
| - | 104K. Wei | e face shields dirty? | OPNAVINST 5100.19E B0506, c | | |
| - | | e the proper type of safety goggles used based ype of hazard? | OPNAVINST 5100.19E B0504, a | | |
| - | 104M. We the type o | re face shields being used correctly based upon f hazard? | OPNAVINST 5100.19E B0504, a | | |
| - | | ES. IF GLOVES ARE DAMAGED OR DETERIORATED IS A PART 2 SAFETY | NONE | | |
| - | 105. QUAI | IFICATIONS: | | | |
| - | watchstat | the Electrical Safety Officer completed on 304, Electrical Safety Officer, of the Safety Afloat PQS (NAVEDTRA 43460-Series)? | OPNAVINST 5100.19E B0708, d | | |
| | (Prerequis | ite NAVEDTRA 43241-G 304 3M Division Officer ualified) | | | |
| - | room com 313 in the Engineerin | personnel who operate the portable tool issue pleted the electrical tool issue room watchstation safety programs afloat PQS (43704, CH2 (2009) g Collaterals and Qualifications?(Prerequisite A 43241-G, 301 | OPNAVINST 5100.19E B0708, c | | |
| _ | 106. TOOL | | | | |

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | | |
| - | | re workcenters and divisions without electronic ratings maintaining portable tools in centers? | OPNAVNST 5100.19E B0707, d | | | |
| - | | re portable electrical tools visually inspected prior and was quarterly safety testing within periodicity? | OPNAVINST 5100.19E B0707, b; NSTM 300, 300-2.7.5.1, a; MIP 3000 series | | | |
| - | | re extension cords visually inspected prior to issue nnual continuity testing within periodicity? | OPNAVINST 5100.19E B0707, b; NSTM 300, 300- 2.7.5.2.4; MIP 3000 series | | | |
| - | | s PMS accomplished on electrical safety gloves sue and after they were returned? | OPNAVINST 5100.19E B0707, b; NSTM 300, 300- 2.5.3.3; MIP 3000 series | | | |
| - | | personnel assigned to issue portable electric tools uired personal protective equipment? | OPNAVINST 5100.19E B0707, c; NSTM 300, 300-2.7.1, a through c | | | |
| - | rendered i storage se | unsafe electrical tools clearly marked "OOC", ncapable of being energized, and kept locked in parate from the other tools? (Exception: tools in nediate repair is to be accomplished). | OPNAVINST 5100.19E B0707, f | | | |
| - | WITH ELEC | ES. IF TOOL ISSUE AND LARGE WORKCENTERS CTOOLS HAVE 50% DISCREPANCIES THE I WILL BE DEGRADED OR UNSAT. | NONE | | | |

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | | | |
|----|-------------------------|---|-----------------------------------|-----|-----|-------|--------|
| NE | ОН0030 | EYEWASH STATIONS | | SAT | DEG | UNSAT | NA RBO |
| RI | EFERENCES: | OPNAVINST 5100.19 SERIESSHIP SPEC 644GSO 64 | 44ANSI Z358.1-2004MIP 6600 SERIES | | | | |
| _ | 100 FYFW | NSTM, SHIPS DRAWINGS ASH/DELUGE SHOWER | | | | | |
| | 100A. WAS | | OPNAVINST 5100.19E B0508, a | | | | |
| | | NOT DAMAGED. | OPNAVINST 5100.19E B0508, a | | | | |
| _ | 100C. HAD | NO MISSING PARTS. | OPNAVINST 5100.19E B0508, a | | | | |
| - | 100D. WAS | CORRECTLY INSTALLED. | OPNAVINST 5100.19E B0508, a | | | | |
| - | | WER HEAD HEIGHT WAS NOT LESS THAN 82 OM THE USER STANDING SURFACE. | ANSI Z358.1-2004 | | | | |
| - | INCHES OR | VASH NOZZLES WERE NOT LOWER THAN 33 HIGHER THAN 45 INCHES OFF THE DECK OR LESS CHES FROM A BULKHEAD OR OBSTRUCTION. | OPNAVINST 5100.19E B0508, a, 6 | | | | |
| - | 100G. SHO OPEN VALV | WER MET ANSI STANDARDS REQUIRING A STAY- /E. | ANSI Z358.1-2004 | | | | |
| - | 100H. EYE | NASH HAD A ONE-MOTION, STAY-OPEN VALVE. | OPNAVINST 5100.19E 0508, a, 3 | | | | |
| - | 100I. VALV ACCESSIBL | E ACTUATOR WAS EASILY LOCATED AND READILY E. | ANSI Z358.1-2004 | | | | |
| - | | VER MET THE MINIMUM OF 20 GALLONS PER ATER FLOW FOR 15 MINUTES. | ANSI Z358.1-2004 | | | | |
| - | | VASH MET THE MINIMUM FLOW RATE OF 0.4 PER MINUTE FOR 15 MINUTES. | OPNAVINST 5100.19E B0508, a, 1 | | | | |
| - | FLOW FRO | T VALVE WAS ADJUSTED PROPERLY SO THAT M BOTH NOZZLES MET EQUIDISTANT AT THE THE BOWL. | OPNAVINST 5100.19E B0508, a, 2 | | | | |
| - | 100M. OU | FLET HEADS WERE PROTECTED FROM AIRBORNE NANTS. | OPNAVINST 5100.19E B0508, a, 7 | | | | |
| - | | WASH NOZZLE COVERS DID NOT BLOCK FLOW OF HEN UNIT WAS ACTIVATED. | OPNAVINST 5100.19E B0508, a, 7 | | | | |
| - | | PERATURE OF WATER DID NOT EXCEED 100 AHRENHEIT. | OPNAVINST 5100.19E B0508, a, 8 | | | | |
| - | UNOBSTRU | NOT OBSTRUCTED. NOTE: UNITS SHALL BE ICTED FROM ANYTHING THAT WILL PREVENT FROM GAINING ACCESS TO THE SHOWER. | OPNAVINST 5100.19E B0508, a, 4 | | | | |
| - | 100Q. WAS | S WITHIN 10 SECONDS OR 100 TRAVEL FEET OF RD. | OPNAVINST 5100.19E B0508, a, 4 | | | | |
| - | 100R. WAS | LOCATED ON THE SAME LEVEL AS THE HAZARD. | OPNAVINST 5100.19E B0508, a, 4 | | | | |
| - | | VEL ROUTE WAS FREE FROM TRIP HAZARDS OR O STRIKE HAZARDS. | OPNAVINST 5100.19E B0508, a, 5 | | | | |
| - | CREATED A | VASH WAS NOT LOCATED SUCH THAT IT A HAZARD TO THE USER (NEAR ELECTRICAL HOWN A LADDER; ETC). | OPNAVINST 5100.19E B0508, a, 5 | | | | |

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| DK | ITEM EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | 100U. WAS PMS'ED QUARTERLY. | OPNAVINST 5100.19E B0508, a, 10 | | |
| - | 100V. HAD THE ROOT VALVE LOCKED OPEN WITH A METAL TAMPER-PROOF LANYARD. | OPNAVINST 5100.19E B0508, a, 9 | | |
| - | 100W. HAD THE ROOT VALVE MARKED AS A "W" OR "CIRCLE W" FITTING. | OPNAVINST 5100.19E B0508, a, 9 | | |
| - | 100X. HAD A GREEN SIGN WITH WHITE LETTERING STATING "EMERGENCY EYEWASH STATION" TO MARK THE EYEWASH LOCATION. | OPNAVINST 5100.19E B0508, a, 11 | | |
| - | 100Y. HAD AN OPERABLE ALARM (OUTSIDE THE SPACE AND/OR IN CCS IF APPLICABLE (PLUMBED)). | OPNAVINST 5100.19E B0508, g | | |
| - | 100Z. WAS PROVIDED WITH AN INSTRUCTIONAL SIGN FOR THE ALARM. | OPNAVINST 5100.19E B0508, g | | |
| - | 100Z1. WAS PROVIDED WITH A PROPERLY LOCATED AND LABELED AUDIBLE ALARM THAT INTERLOCKS WITH THE ACTUATION DEVICE (IF LOCATED IN A REMOTE LOCATION). | OPNAVINST 5100.19E B0508, g | | |
| - | 101. EYEWASH STATION/FAUCET MOUNTED | | | |
| - | 101A. WAS OPERABLE. | OPNAVINST 5100.19E B0508, a | | |
| - | 101B. WAS NOT DAMAGED. | OPNAVINST 5100.19E B0508, a | | |
| - | 101C. HAD NO MISSING PARTS. | OPNAVINST 5100.19E B0508, a | | |
| - | 101D. WAS CORRECTLY INSTALLED. | OPNAVINST 5100.19E B0508, a | | |
| - | 101E. EYEWASH NOZZLES WERE NOT LOWER THAN 33 INCHES OR HIGHER THAN 45 INCHES OFF THE DECK OR LESS THAN 6 INCHES FROM A BULKHEAD OR OBSTRUCTION. | OPNAVINST 5100.19E B0508, a, 6 | | |
| - | 101F. EYEWASH HAD A ONE-MOTION STAY-OPEN VALVE. | OPNAVINST 5100.19E B0508, a, 3 | | |
| - | 101G. VALVE ACTUATOR WAS EASILY LOCATED AND READILY ACCESSIBLE. | ANSI Z358.1-2004 | | |
| - | 101H. EYEWASH MET THE MINIMUM FLOW RATE OF 0.4 GALLONS PER MINUTE FOR 15 MINUTES. | OPNAVINST 5100.19E B0508, a, 1 | | |
| - | 101I. ROOT VALVE WAS ADJUSTED PROPERLY SO THAT FLOW FROM BOTH NOZZLES MET EQUIDISTANT. | OPNAVINST 5100.19E B0508, a, 2 | | |
| - | 101J. OUTLET HEADS WERE PROTECTED FROM AIRBORNE CONTAMINANTS. | OPNAVINST 5100.19E B0508, a, 7 | | |
| - | 101K. EYEWASH NOZZLE COVERS DID NOT BLOCK FLOW OF WATER WHEN UNIT WAS ACTIVATED. | OPNAVINST 5100.19E B0508, a, 7 | | |
| - | 101L. TEMPERATURE OF WATER DID NOT EXCEED 100 DEGREES FAHRENHEIT. | OPNAVINST 5100.19E B0508, a, 8 | | |
| - | 101M. WAS NOT OBSTRUCTED. NOTE: UNITS SHALL BE UNOBSTRUCTED FROM ANYTHING THAT WILL PREVENT THE USER FROM GAINING ACCESS TO THE EYEWASH. | OPNAVINST 5100.19E B0508, a, 4 | | |
| - | 101N. WAS WITHIN 10 SECONDS OR 100 TRAVEL FEET OF THE HAZARD. | OPNAVINST 5100.19E B0508, a, 4 | | |
| - | 1010. WAS LOCATED ON THE SAME LEVEL AS THE HAZARD. | OPNAVINST 5100.19E B0508, a, 4 | | |
| - | 101P. TRAVEL ROUTE WAS FREE FROM TRIP HAZARDS OR OVERHEAD STRIKE HAZARDS. | OPNAVINST 5100.19E B0508, a, 5 | | |

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| DK | ITEM EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | 101Q. EYEWASH WAS NOT LOCATED SUCH THAT IT CREATED A HAZARD TO THE USER (NEAR ELECTRICAL FIXTURE; DOWN A LADDER; ETC). | OPNAVINST 5100.19E B0508, a, 5 | | |
| - | 101R. WAS PMS'ED. | OPNAVINST 5100.19E B0508, a, 10 | | |
| - | 101S. HAD THE ROOT VALVE LOCKED OPEN WITH A METAL TAMPER-PROOF LANYARD. | OPNAVINST 5100.19E B0508, a, 9 | | |
| - | 101T. HAD THE ROOT VALVE MARKED AS A "W" OR "CIRCLE W" FITTING. | OPNAVINST 5100.19E B0508, a, 9 | | |
| - | 101U. HAD A GREEN SIGN WITH WHITE LETTERING STATING "EMERGENCY EYEWASH STATION" TO MARK THE EYEWASH LOCATION. | OPNAVINST 5100.19E B0508, a, 11 | | |
| - | 102. MISSING EYEWASH STATION | | | |
| - | 102A. MAIN AND AUXILIARY MACHINERY SPACES; IC GYRO; AND BATTERY CHARGING AREAS HAD AN EYEWASH. | OPNAVINST 5100.19E B0508, b, 1 | | |
| - | 102B. MEDICAL TREATMENT AREA HAD AN EYEWASH. | OPNAVINST 5100.19E B0508, b, 2 | | |
| - | 102C. CHEMICAL; WATER TESTING; AND MEDICAL LABORATORIES HAD AN EYEWASH. | OPNAVINST 5100.19E B0508, b, 3 | | |
| - | 102D. DARKROOMS AND X-RAY DEVELOPING AREAS (IF LIQUID CHEMICALS ARE USED) HAD AN EYEWASH. | OPNAVINST 5100.19E B0508, b, 4 | | |
| - | 102E. HAZARDOUS MATERIAL ISSUE/STOREROOMS (IF HM IS DISPENSED) HAD AN EYEWASH. | OPNAVINST 5100.19E B0508, b, 5 | | |
| - | 102F. PAINT MIXING AND ISSUE ROOMS HAD AN EYEWASH. | OPNAVINST 5100.19E B0508, b, 6 | | |
| - | 102G. LAUNDRY AREA HAD AN EYEWASH. | OPNAVINST 5100.19E C2002, a, 3 | | |
| - | 102H. OTHER AREAS DETERMINED BY THE INDUSTRIAL HYGIENE SURVEY HAD AN EYEWASH. | OPNAVINST 5100.19E B0508, b, 7 | | |
| - | 103. EYEWASH STATION, MEISSING SHOWER/EYEWASH | | | |
| - | 103A. OXYGEN-NITROGEN PRODUCER ROOM HAD A COMBINATION SHOWER/EYEWASH. | OPNAVINST 5100.19E B0508, d, 1 | | |
| - | 103B. BATTERY SHOP OR LOCKER (WET CELL TESTING; ELECTROLYTE HANDLING) HAD A COMBINATION SHOWER/EYEWASH. | OPNAVINST 5100.19E B0508, d, 2 | | |
| - | 103C. COMBAT SYSTEM AREAS HANDLING ISOPAR FLUIDS HAD A COMBINATION SHOWER/EYEWASH. | OPNAVINST 5100.19E B0508, d, 3 | | |
| - | 103D. BOILER REPAIR SHOP HAD A COMBINATION SHOWER/EYEWASH. | OPNAVINST 5100.19E B0508, d, 4 | | |
| - | 103E. RUBBER AND PLASTIC SHOP HAD A COMBINATION SHOWER/EYEWASH. | OPNAVINST 5100.19E B0508, d, 5 | | |
| - | 103F. COMPOSITE MATERIAL REPAIR SHOP HAD A COMBINATION SHOWER/EYEWASH | OPNAVINST 5100.19E B0508, d, 6 | | |
| - | 103G. NON-DESTRUCTIVE TEST AND INSPECTION SHOPS HAD A COMBINATION SHOWER/EYEWASH. | OPNAVINST 5100.19E B0508, d, 7 | | |
| - | 103H. OTHER AREAS DETERMINED BY THE INDUSTRIAL HYGIENE SURVEY HAD A COMBINATION SHOWER/EYEWASH. | OPNAVINST 5100.19E B0508, d, 7 | | |
| - | 104. EYEWASH STATION, PLUMBED | | | |

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| DK | ITEM EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | 104A. WAS OPERABLE. | OPNAVINST 5100.19E B0508, a | | |
| - | 104B. WAS NOT DAMAGED. | OPNAVINST 5100.19E B0508, a | | |
| - | 104C. HAD NO MISSING PARTS. | OPNAVINST 5100.19E B0508, a | | |
| - | 104D. WAS CORRECTLY INSTALLED. | OPNAVINST 5100.19E B0508, a | | |
| - | 104E. EYEWASH NOZZLES WERE NOT LOWER THAN 33 INCHES OR HIGHER THAN 45 INCHES OFF THE DECK OR LESS THAN 6 INCHES FROM A BULKHEAD OR OBSTRUCTION. | OPNAVINST 5100.19E B0508, a, 6 | | |
| - | 104F. EYEWASH HAD A ONE-MOTION STAY-OPEN VALVE. | OPNAVINST 5100.19E B0508, a, 3 | | |
| - | 104G. VALVE ACTUATOR WAS EASILY LOCATED AND READILY ACCESSIBLE. | ANSI Z358.1-2004 | | |
| - | 104H. EYE WASH MET THE MINIMUM FLOW RATE OF 0.4 GALLONS PER MINUTE FOR 15 MINUTES. | OPNAVINST 5100.19E B0508, a, 1 | | |
| - | 104I. ROOT VALVE WAS ADJUSTED PROPERLY SO THAT FLOW FROM BOTH NOZZLES MET EQUIDISTANT AT THE CENTER OF THE BOWL. | OPNAVINST 5100.19E B0508, a, 2 | | |
| - | 104J. OUTLET HEADS WERE PROTECTED FROM AIRBORNE CONTAMINANTS. | OPNAVINST 5100.19E B0508, a, 7 | | |
| - | 104K. EYEWASH NOZZLE COVERS DID NOT BLOCK FLOW OF WATER WHEN UNIT WAS ACTIVATED. | OPNAVINST 5100.19E B0508, a, 7 | | |
| - | 104L. TEMPERATURE OF WATER DID NOT EXCEED 100 DEGREES FAHRENHEIT. | OPNAVINST 5100.19E B0508, a, 8 | | |
| - | 104M. WAS NOT OBSTRUCTED. NOTE: UNITS SHALL BE UNOBSTRUCTED FROM ANYTHING THAT WILL PREVENT THE USER FROM GAINING ACCESS TO THE EYEWASH. | OPNAVINST 5100.19E B0508, a, 4 | | |
| - | 104N. WAS WITHIN 10 SECONDS OR 100 TRAVEL FEET OF THE HAZARD. | OPNAVINST 5100.19E B0508, a, 4 | | |
| - | 1040. WAS LOCATED ON THE SAME LEVEL AS THE HAZARD. | OPNAVINST 5100.19E B0508, a, 4 | | |
| - | 104P. TRAVEL ROUTE WAS FREE FROM TRIP HAZARDS OR OVERHEAD STRIKE HAZARDS. | OPNAVINST 5100.19E B0508, a, 5 | | |
| - | 104Q. EYEWASH WAS NOT LOCATED SUCH THAT IT CREATED A HAZARD TO THE USER (NEAR ELECTRICAL FIXTURE; DOWN A LADDER; ETC). | OPNAVINST 5100.19E B0508, a, 5 | | |
| - | 104R. WAS PMS'ED. | OPNAVINST 5100.19E B0508, a, 10 | | |
| - | 104S. HAD THE ROOT VALVE LOCKED OPEN WITH A METAL TAMPER-PROOF LANYARD. | OPNAVINST 5100.19E B0508, a, 9 | | |
| - | 104T. HAD THE ROOT VALVE MARKED AS A "W" OR "CIRCLE W" FITTING. | OPNAVINST 5100.19E B0508, a, 9 | | |
| - | 104U. HAD A GREEN SIGN WITH WHITE LETTERING STATING "EMERGENCY EYEWASH STATION" TO MARK THE EYEWASH LOCATION. | OPNAVINST 5100.19E B0508, a, 11 | | |
| - | 104V. HAD AN OPERABLE ALARM (OUTSIDE THE SPACE AND/OR IN CCS IF APPLICABLE (PLUMBED)). | OPNAVINST 5100.19E B0508, g | | |
| - | 104W. WAS PROVIDED WITH AN INSTRUCTIONAL SIGN FOR THE ALARM. | OPNAVINST 5100.19E B0508, g | | |

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| | | | | Ejjective Date of Checklist: | 01-F60-13 |
|----|----------|---|---------------------------------|------------------------------|-----------|
| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | LABELED | AS PROVIDED WITH A PROPERLY LOCATED AND DAND DAND DAND DAND DAND DAND DAN | OPNAVINST 5100.19E B0508, g | | |
| - | 105. EYE | WASH STATION, PORTABLE PLASTIC | | | |
| - | 105A. W | AS OPERABLE. | OPNAVINST 5100.19E B0508, a | | |
| - | 105B. W | AS NOT DAMAGED. | OPNAVINST 5100.19E B0508, a | | |
| - | 105C. H | AD NO MISSING PARTS. | OPNAVINST 5100.19E B0508, a | | |
| - | 105D. W | AS CORRECTLY INSTALLED. | OPNAVINST 5100.19E B0508, a | | |
| - | INCHES | EWASH NOZZLES WERE NOT LOWER THAN 33 OR HIGHER THAN 45 INCHES OFF THE DECK OR LESS INCHES FROM A BULKHEAD OR OBSTRUCTION. | OPNAVINST 5100.19E B0508, a, 6 | | |
| - | | EWASH MET ANSI STANDARDS (MUST BE 14-16 SIZE TO DELIVER CORRECT FLOW RATE). | ANSI Z358.1-2004 | | |
| - | | YEWASH MET THE MINIMUM FLOW RATE OF 0.4 S PER MINUTE FOR 15 MINUTES. | OPNAVINST 5100.19E B0508, a, 1 | | |
| - | | EMPERATURE OF WATER DID NOT EXCEED 100 S FAHRENHEIT. | OPNAVINST 5100.19E B0508, a, 8 | | |
| - | UNOBST | AS NOT OBSTRUCTED. NOTE: UNITS SHALL BE RUCTED FROM ANYTHING THAT WILL PREVENT R FROM GAINING ACCESS TO THE EYEWASH. | OPNAVINST 5100.19E B0508, a, 4 | | |
| - | 105J. W | AS WITHIN 10 SECONDS OR 100 TRAVEL FEET OF CARD. | OPNAVINST 5100.19E B0508, a, 4 | | |
| - | 105K. W | AS LOCATED ON THE SAME LEVEL AS THE HAZARD. | OPNAVINST 5100.19E B0508, a, 4 | | |
| - | | AVEL ROUTE WAS FREE FROM TRIP HAZARDS OR AD STRIKE HAZARDS. | OPNAVINST 5100.19E B0508, a, 5 | | |
| - | CREATE | YEWASH WAS NOT LOCATED SUCH THAT IT D A HAZARD TO THE USER (NEAR ELECTRICAL ; DOWN A LADDER; ETC). | OPNAVINST 5100.19E B0508, a, 5 | | |
| - | 105N. W | 'AS PMS'ED. | OPNAVINST 5100.19E B0508, a, 10 | | |
| - | | AD A GREEN SIGN WITH WHITE LETTERING STATING ENCY EYEWASH STATION" TO MARK THE EYEWASH ON. | OPNAVINST 5100.19E B0508, a, 11 | | |
| - | 106. EYE | WASH STATION, PORTABLE PRESSURIZED | | | |
| - | 106A. W | AS OPERABLE. | OPNAVINST 5100.19E B0508, a | | |
| - | 106B. W | AS NOT DAMAGED. | OPNAVINST 5100.19E B0508, a | | |
| - | 106C. H | AD NO MISSING PARTS. | OPNAVINST 5100.19E B0508, a | | |
| - | 106D. W | AS CORRECTLY INSTALLED. | OPNAVINST 5100.19E B0508, a | | |
| - | INCHES | EWASH NOZZLES WERE NOT LOWER THAN 33 OR HIGHER THAN 45 INCHES OFF THE DECK OR LESS INCHES FROM A BULKHEAD OR OBSTRUCTION. | OPNAVINST 5100.19E B0508, a, 6 | | |
| - | 106F. EY | EWASH HAD A ONE-MOTION STAY-OPEN VALVE. | OPNAVINST 5100.19E B0508, a, 3 | | |
| - | | ALVE ACTUATOR WAS EASILY LOCATED AND ACCESSIBLE. | ANSI Z358.1-2004 | | |

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | | EWASH MET THE MINIMUM FLOW RATE OF 0.4 PER MINUTE FOR 15 MINUTES. | OPNAVINST 5100.19E B0508, a, 1 | | |
| - | 106I. FLC | W FROM BOTH NOZZLES MET EQUIDISTANTLY. | OPNAVINST 5100.19E B0508, a, 2 | | |
| - | 106J. OU CONTAN | TLET HEADS WERE PROTECTED FROM AIRBORNE IINANTS. | OPNAVINST 5100.19E B0508, a, 7 | | |
| - | | EWASH NOZZLE COVERS DID NOT BLOCK FLOW OF VHEN UNIT WAS ACTIVATED. | OPNAVINST 5100.19E B0508, a, 7 | | |
| - | | MPERATURE OF WATER DID NOT EXCEED 100 FAHRENHEIT. | OPNAVINST 5100.19E B0508, a, 8 | | |
| - | UNOBST | VAS NOT OBSTRUCTED. NOTE: UNITS SHALL BE RUCTED FROM ANYTHING THAT WILL PREVENT R FROM GAINING ACCESS TO THE EYEWASH. | OPNAVINST 5100.19E B0508, a, 4 | | |
| - | 106N. W THE HAZ | AS WITHIN 10 SECONDS OR 100 TRAVEL FEET OF ARD. | OPNAVINST 5100.19E B0508, a, 4 | | |
| - | 1060. W | AS LOCATED ON THE SAME LEVEL AS THE HAZARD. | OPNAVINST 5100.19E B0508, a, 4 | | |
| - | | AVEL ROUTE WAS FREE FROM TRIP HAZARDS OR AD STRIKE HAZARDS. | OPNAVINST 5100.19E B0508, a, 5 | | |
| - | CREATED | EWASH WAS NOT LOCATED SUCH THAT IT A HAZARD TO THE USER (NEAR ELECTRICAL DOWN A LADDER; ETC). | OPNAVINST 5100.19E B0508, a, 5 | | |
| - | 106R. W | AS PMS'ED. | OPNAVINST 5100.19E B0508, a, 10 | | |
| - | | D A GREEN SIGN WITH WHITE LETTERING STATING ENCY EYEWASH STATION" TO MARK THE EYEWASH N. | OPNAVINST 5100.19E B0508, a, 11 | | |
| - | 107. EYE | WASH STATION, SINK MOUNTED | | | |
| - | 107A. W | AS OPERABLE. | OPNAVINST 5100.19E B0508, a | | |
| - | 107B. W | AS NOT DAMAGED. | OPNAVINST 5100.19E B0508, a | | |
| - | 107C. HA | D NO MISSING PARTS. | OPNAVINST 5100.19E B0508, a | | |
| - | 107D. W | AS CORRECTLY INSTALLED. | OPNAVINST 5100.19E B0508, a | | |
| - | INCHES C | EWASH NOZZLES WERE NOT LOWER THAN 33 OR HIGHER THAN 45 INCHES OFF THE DECK OR LESS NCHES FROM A BULKHEAD OR OBSTRUCTION. | OPNAVINST 5100.19E B0508, a, 6 | | |
| - | 107F. EY | EWASH HAD A ONE-MOTION STAY-OPEN VALVE. | OPNAVINST 5100.19E B0508, a, 3 | | |
| - | | LVE ACTUATOR WAS EASILY LOCATED AND ACCESSIBLE. | ANSI Z358.1-2004 | | |
| - | | EWASH MET THE MINIMUM FLOW RATE OF 0.4 SPER MINUTE FOR 15 MINUTES. | OPNAVINST 5100.19E B0508, a, 1 | | |
| - | | OT VALVE WAS ADJUSTED PROPERLY SO THAT OM BOTH NOZZLES MET EQUIDISTANT. | OPNAVINST 5100.19E B0508, a, 2 | | |
| - | 107J. OU CONTAN | TLET HEADS WERE PROTECTED FROM AIRBORNE IINANTS. | OPNAVINST 5100.19E B0508, a, 7 | | |
| - | - | EWASH NOZZLE COVERS DID NOT BLOCK FLOW OF VHEN UNIT WAS ACTIVATED. | OPNAVINST 5100.19E B0508, a, 7 | | |

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| | | | | Effective Date of Checklist: | 01-Feb-13 |
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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | _ | IPERATURE OF WATER DID NOT EXCEED 100 FAHRENHEIT. | OPNAVINST 5100.19E B0508, a, 8 | | |
| - | UNOBSTR | AS NOT OBSTRUCTED. NOTE: UNITS SHALL BE UCTED FROM ANYTHING THAT WILL PREVENT FROM GAINING ACCESS TO THE EYEWASH. | OPNAVINST 5100.19E B0508, a, 4 | | |
| - | 107N. WA | IS WITHIN 10 SECONDS OR 100 TRAVEL FEET OF IRD. | OPNAVINST 5100.19E B0508, a, 4 | | |
| - | 1070. WA | S LOCATED ON THE SAME LEVEL AS THE HAZARD. | OPNAVINST 5100.19E B0508, a, 4 | | |
| - | | VEL ROUTE WAS FREE FROM TRIP HAZARDS OR D STRIKE HAZARDS. | OPNAVINST 5100.19E B0508, a, 5 | | |
| - | CREATED | EWASH WAS NOT LOCATED SUCH THAT IT A HAZARD TO THE USER (NEAR ELECTRICAL DOWN A LADDER; ETC). | OPNAVINST 5100.19E B0508, a, 5 | | |
| - | 107R. WA | S PMS'ED. | OPNAVINST 5100.19E B0508, a, 10 | | |
| - | | O THE ROOT VALVE LOCKED OPEN WITH A METAL PROOF LANYARD. | OPNAVINST 5100.19E B0508, a, 9 | | |
| - | 107T. HAI W" FITTIN | O THE ROOT VALVE MARKED AS A "W" OR "CIRCLE IG. | OPNAVINST 5100.19E B0508, a, 9 | | |
| - | | D A GREEN SIGN WITH WHITE LETTERING STATING NCY EYEWASH STATION" TO MARK THE EYEWASH N. | OPNAVINST 5100.19E B0508, a, 11 | | |

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| | | | Effective | Date of Cr | ecklist | : | 01-Feb-13 |
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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | | | |
| NE | ОН0040 | GENERAL SAFETY | | SAT | DEG | UNSAT | NA RBO |
| RI | EFERENCES: | 6603/002NAVSEA GSO 665C, 573G, 602, 665, 07 LHD2)NSTM 600(V1), 572MIP | MIP 6613/029SHIP SPEC 602, 622, 624, 665, 071, 6 1B, 612E, 072, 665 I and F, 634CSHIP SPEC 665B (DE | | | | |
| | | NSTM, SHIPS DRAWINGS | | | | | |
| - | 101. ABRA | SIVE BLAST CABINET | | | | | |
| - | 101A. THE | CABINET WAS OPERATIVE. | OPNAVINST 5100.19E C1304 29CFR 1910.94 | | | | |
| - | | ERVATION WINDOW WAS NOT RACKED/MISSING. | OPNAVINST 5100.19E C1304 | | | | |
| - | | ERT GLOVES WERE NOT SING/INCORRECT TYPE. | OPNAVINST 5100.19E C1304 | | | | |
| - | | SKETS TO PREVENT DUST LEAKAGE WERE NOT ATED/MISSING. | OPNAVINST 5100.19E C1304 MRC 6613/002-47 (R-15) MRC 6613/009-C0 (U-1) | | | | |
| - | 101E. CAB SYSTEM. | INET WAS PROVIDED WITH A DUST COLLECTION | TECH MANUAL MRC 6613/002-47 (R-15) MRC 6613/009-C0 (U-1) | | | | |
| - | 102. BENC | H/PEDESTAL GRINDERS | | | | | |
| - | 102A. WHI MATERIAL | EEL DID NOT HAVE IMBEDDED NON-FERROUS | OPNAVINST 5100.19E C1304 G6F MRC 6603/001-52 (R-1) MRC 6603/002-52 (R-1) | | | | |
| - | 102B. WH | EEL WAS NOT CRACKED OR DAMAGED. | OPNAVINST 5100.19E C1304 G5B MRC 6603/001-52 (R-1) MRC 6603/002-52 (R-1) | | | | |
| - | 102C. TOC | DL REST WAS PRESENT. | OPNAVINST 5100.19E C1304 G5T MRC 6603/001-52 (R-1) MRC 6603/002-52 (R-1) | | | | |
| - | 102D. TOC WHEEL. | L REST WAS NOT GREATER THAN 1/8 INCH FROM | OPNAVINST 5100.19E C1304 G5L MRC 6603/001-52 (R-1) MRC 6603/002-52 (R-1) | | | | |
| - | 102E. SHA | TTERPROOF SHIELD (EYE GUARD) WAS PRESENT. | OPNAVINST 5100.19E C1304 G5G MRC 6603/001-52 (R-1) MRC 6603/002-52 (R-1) | | | | |
| - | 102F. TON | IGUE GUARD WAS PRESENT. | OPNAVINST 5100.19E C1304 G5M MRC 6603/001-52 (R-1) MRC 6603/002-52 (R-1) | | | | |
| - | 102G. TON | NGUE GUARD WAS NOT GREATER THAN 1/4 INCH WHEEL. | OPNAVINST 5100.19E C1304 G5M MRC 6603/001-52 (R-1) MRC 6603/002-52 (R-1) | | | | |
| - | 102H. LIG BROKEN/N | HT BULB IN THE EYE SHIELD WAS NOT MISSING. | OPNAVINST 5100.19E C1304 A11 MRC 6603/001-52 (R-1) MRC 6603/002-52 (R-1) | | | | |
| - | 102I. WAS COLLECTIO | NOT MISSING THE FLAME-RESISTANT DUST IN BAG. | OPNAVINST 5100.19E C1304 G5L MRC 6603/001-52 (R-1) MRC 6603/002-52 (R-1) | | | | |
| | | | | | | | |

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| DK | ITEM EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | 102J. WAS NOT MISSING THE HOSE TO THE DUST COLLECTION SYSTEM. | OPNAVINST 5100.19E C130 4A2 MRC 6603/001-52 (R-1) MRC 6603/002-52 (R-1) | | |
| - | 103. DRILL PRESSES | | | |
| - | 103A. POINT-OF-OPERATION GUARD (MOVABLE TELESCOPING DRILL SHIELD OR SAFETY CHIP SHIELD) WAS INSTALLED ON THE DRILL PRESS. | OPNAVINST 5100.19E C1304 A17 NAVSEA GSO 665C | | |
| - | 104. HATCHES AND SCUTTLES | | | |
| - | 104A. HATCH OPENINGS WERE NOT MISSING STANCHIONS/SAFETY CHAINS. | MRC 1671/001-C2 (M-3) | | |
| - | 104B. SAFETY HOLD OPEN DEVICES WERE NOT DEFECTIVE ON SCUTTLES. | MRC 1671/002-C2 (S-2) | | |
| - | 104C. SAFETY HOLD OPEN DEVICES WERE NOT DEFECTIVE ON HATCHES. | MRC 1671/003-C2 (M-3) | | |
| - | 104D. ESCAPE SCUTTLES OR OTHER ACCESSES WERE NOT LOCKED SO THAT THEY COULD NOT BE OPENED FROM THE INSIDE. | OPNAVINST 5100.19E C0102A6 | | |
| - | 104E. MAIN ACCESS TO SPACE(S) CONTAINING ESCAPE SCUTTLES THAT ARE REQUIRED TO BE LOCKED HAD A LABEL PLATE. | GSO 602J | | |
| - | 104F. ESCAPE SCUTTLE(S) HAD A LABEL PLATE INSTALLED ON TOP OF THE SCUTTLE(S). | GSO 602J | | |
| - | 105. LADDERS | | | |
| - | 105A. LADDERS WERE NOT MISSING SAFETY CHAINS. | MRC 6641/003-C2 (S-4) | | |
| - | 105B. GRABROD(S) WERE INSTALLED AT THE HEAD OF VERTICAL AND STEEP INCLINED LADDERS TO ASSIST PERSONNEL IN STEPPING FROM THE TOP OF THE LADDER TO THE DECK. | GSO 622E | | |
| - | 105C. PINS WERE NOT MISSING/DEFECTIVE ON LADDERS. | MRC 6641/003-C2 (S-4) | | |
| - | 105D. RAILINGS WERE NOT MISSING/DEFECTIVE/UNSAFE ON LADDERS. | MRC 6641/003-C2 (S-4) | | |
| - | 105E. STEPS WERE NOT MISSING/DEFECTIVE/UNSAFE ON LADDERS. | MRC 6641/003-C2 (S-4) | | |
| - | 105F. VERTICAL LADDERS WERE NOT OBSTRUCTED/DETERIORATED/UNSAFE. | GSO 622E MRC 6641/003-C2 (S-4) | | |
| - | 105G. UNGUARDED OPENINGS BETWEEN THE UPPER END OF HANDRAILS, CHAINS, OR ROPES OF INCLINED LADDERS AND ADJACENT RAILS OR STRUCTURES OF THE UPPER LEVEL HAD A GAP OF FIVE INCHES (127 MM) OR LESS. | GSO 622C NSTM 600-17.1.2 | | |
| - | 105H. WHERE VERTICAL HEADROOM WAS LESS THAN SIX FEET (72 INCHES) BETWEEN INCLINED LADDER TREADS AND OVERHEAD OBSTRUCTIONS, A HEAD GUARD WAS PROVIDED PER DETAIL 14-D. THE HEADGUARD WAS PAINTED WITH YELLOW AND BLACK STRIPES. | GSO 622C NSTM 600-17.1.2 and 600-17.4.2 OPNAVINST 5100.19E C0102A10 and C | 0104B1 | |

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| DK | ITEM EQUIPMENT | ADDITIONAL INSTRUCTIONS | | | |
| - | 105I. VERTICAL LADDER RUNGS OR CLEATS ON SHIPS BUILT BEFORE 1 OCTOBER 2005 WERE AT LEAST 12 INCHES (304.8 MM) WIDE. SHIPS BUILT OR CONVERTED ON OR AFTER 1 OCTOBER 2005 WERE REQUIRED TO HAVE RUNGS OR CLEATS AT LEAST 14 INCHES (356 MM) WIDE. | NSTM 600-17.3.2 29 CFR 1910.27 (b) (iii) | | | |
| - | 105J. TOP TREADS OF INCLINED LADDERS WERE NINE INCHES WIDE. THE DISTANCE FROM THE SIDE OF THE TOP TREAD TO THE BULKHEAD OR HATCH COAMING DID NOT EXCEED TWO INCHES (50.8 MM). | GSO 622c NSTM 600-17.1.2 and 600-17.4.2 | | | |
| - | 105K. ALL TREADS OTHER THAN THE TOP TREAD OF INCLINED LADDERS WERE SIX INCHES WIDE FOR LADDERS INSTALLED AT ANGLES OF 50 TO 60 DEGREES WITH THE DECK, AND FOUR INCHES WIDE FOR LADDERS INSTALLED AT ANGLES GREATER THAN 60 DEGREES WITH THE DECK. | GSO 622c NSTM 600-17.4.2 | | | |
| - | 105L. MINIMUM CLEARANCE BETWEEN BULKHEAD OR HOUSE AND INCLINED LADDER HANDRAILS WAS TWO INCHES. | NAVSHIPS DWG 804-1749113 "Inclined Ladders, Aluminum, Assemblies & Details" | | | |
| - | 105M. ALL LADDERS WHEN INSTALLED AGAINST A BULKHEAD OR SIMILAR STRUCTURE HAD A MINIMUM OF SIX-INCH (152.4 MM) CLEARANCE BETWEEN THE STRUCTURE AND THE BACKSIDE OF THE RUNG OR TREAD FOR FOOT CLEARANCE. | NSTM 600-17.3.2 | | | |
| - | 105N. SHEET METAL SHIELDS WERE FITTED ON THE UNDERSIDE OF INCLINED LADDERS OVER MACHINERY AND EQUIPMENT AND IN QUARTERS. | GSO 622C NSTM 600-17.1.1 & 600-17.4.4 | | | |
| - | 1050. STEEL WAS USED FOR ALL MACHINERY SPACE ACCESS LADDERS, ESCAPE TRUNKS, AND LADDER RUNGS AND FOR FUEL TANKS AND OTHER TANKS CAPABLE OF BEING FLOODED WITH SEAWATER. (EXCEPT THAT NONMAGNETIC MATERIALS.) | GSO 622C NSTM 600-17.1.1 & 600-17.4.4 | | | |
| - | 106. GENERAL SAFETY, LATHES | | | | |
| - | 106A. POINT-OF-OPERATION GUARD (MOVABLE SAFETY SHIELD, CHUCK GUARD, CROSSLIDE-TRAVEL SHIELD) WAS INSTALLED ON THE LATHE. | OPNAVINST C1304A17 | | | |
| - | 107. GENERAL SAFETY, MATERIAL HANDLING EQUIPMENT | | | | |
| - | 107A. HOIST EQUIPMENT HAD A LOAD TEST PERFORMED WITHIN PERIODICITY. | MRC 6645/004 (60M-1R) MRC 6645/006 (48M-1R) MRC 6645/007 (48M-1R) MRC 6645/008 (48M-1R) | | | |
| - | 107B. THE MONORAIL/OVERHEAD OBSTRUCTIONS WERE COLOR CODED SOLID YELLOW. | OPNAVINST 5100.19E C0104B1 GSO 665C | | | |
| - | 107C. HOIST EQUIPMENT WAS TAGGED OR MARKED TO INDICATE THAT THE LOAD TEST WAS COMPLETED. | NSTM 572-4.4.1 | | | |
| - | 107D. HOIST EQUIPMENT LOAD TEST INFORMATION WAS RECORDED IN A PERMANENT LOG (EQUIPMENT IDENTIFICATION, DATE OF TEST, DESCRIPTION OF TEST, WEIGHT USED FOR TEST, AND TESTING ACTIVITY). | NSTM 572-4.4.5 MRC 6645/005-A2 (S-3);(A-1);(A-2) MRC 5892/002-92 (U-1) | | | |
| - | 107E. MONORAIL TRACK/CRANE RAIL HAD SUFFICIENT HEADROOM AND DID NOT PRESENT A STRIKE HAZARD (REQUIRED TO BE A MINIMUM OF 77 INCHES OFF DECK). | GSO 573G | | | |

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| DK | ITEM EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
|----|--|--|--|--|
| - | 107F. MONORAIL TRACK SECTIONS PERMANENTLY ATTACHED TO THE SHIP STRUCTURE HAD AN INSTALLATION WEIGHT TEST TAG ATTACHED. | NSTM 572-4.3.4 & 4.4.1 | | |
| - | 108. GENERAL SAFETY, MILLING MACHINES | | | |
| - | 108A. POINT-OF-OPERATION GUARD (MOVABLE SAFETY SHIELD) WAS INSTALLED ON THE MILLING MACHINE. | OPNAVINST 5100.19E C1304A17 | | |
| - | 109. GENERAL SAFETY, POSTED SAFETY PRECAUTIONS | | | |
| - | 109A. SAFETY PRECAUTIONS AND OPERATING PROCEDURES WERE POSTED AT ALL INDUSTRIAL EQUIPMENT OR MACHINERY. | OPNAVINST 5100.19E C1304A19 AND C130F1 | | |
| - | 110. GENERAL SAFETY, ROTATING MACHINERY GUARDS | | | |
| - | 110A. POWER TRANSMISSION DEVICES, SUCH AS CHAINS, PULLEYS, SHAFTING, FLY WHEELS, GEARS, SPROCKETS AND OTHER MOVING PARTS OF MACHINE OTHER THAN THE POINT-OF-OPERATION WERE ENCLOSED WITHIN THE MACHINE OR OTHERWISE GUARDED OR LOCATED SO THAT PERSONNEL CON | OPNAVINST 5100.19E C1304A18 | | |
| - | 110B. GUARDS OR BARRIERS ENCLOSING ROTATING MACHINERY, SHAFTS, OR MOVING PARTS WERE PAINTED RED. | OPNAVINST 5100.19E C0104A4 | | |
| - | 111. GENERAL SAFETY, SAFETY HAZARDS | | | |
| - | 111A. THERE WERE NO SLIP/TRIP OR FALL ITEMS THAT CREATED A SAFETY HAZARD. | OPNAVINST 5100.19E C0102D6 | | |
| - | 111B. THERE WERE NO OVERHEAD OBSTRUCTIONS THAT CREATED A SAFETY HAZARD. | OPNAVINST 5100.19E C0102A10 | | |
| - | 112. GENERAL SAFETY, SAFETY NET-ACCESS TRUNK | | | |
| - | 112A. NET WAS INSTALLED AT 17 FOOT MAXIMUM INTERVALS ON STRAIGHT UNOBSTRUCTED LADDER. (IF >17 FEET, THERE WAS A FOOT INTERVAL BETWEEN AND DECKS). | NAVSEA DRAWING 804-5184163 REV A NOTE 6D | | |
| - | 112B. NET WAS INSTALLED AT 17 FOOT MAXIMUM INTERVALS. (IF > 17 FEET, THERE WAS A FOOT INTERVAL BETWEEN AND DECKS). | CMONAVSEASYSCOM NAVAL MESSAGE: R 030510Z JUN04 "ACCESS TRUNK SAFETY NET GUIDANCE". PARAGRAPH 3G | | |
| - | 112C. TOP NET WAS WITHIN 24 INCHES OF THE TOP LADDER RUNG WHERE A CLIMBER SAFETY RAIL DID NOT EXTEND 36 INCHES ABOVE THE TOP OF THE LADDER. | NAVSEA DRAWING 804-5184163 REV A NOTE 6F | | |
| - | 112D. TOP NET WAS WITHIN 24 INCHES OF THE TOP LADDER RUNG ON STRAIGHT UNOBSTRUCTED LADDER. | NAVSEA DRAWING 804-5184163 REV A NOTE 6D | | |
| - | 112E. NETS WERE INSTALLED AT THE TOP AND MIDPOINT OF UNOBSTRUCTED LADDER WITH A HEIGHT OF 17 TO 34 FEET. | NAVSEA DRAWING 804-5184163 REV A NOTE 6E | | |
| - | 112F. NET WAS INSTALLED MIDWAY BETWEEN AND DECK OPENINGS. | NAVSEA DRAWING 804-5184163 REV A NOTE 6B | | |
| - | 112G. NET WAS INSTALLED 6 FEET-5 INCHES ABOVE DECK WHERE DOOR ENTERS THE TRUNK. | NAVSEA DRAWING 804-5184163 REV A 6B | | |
| - | 112H. NET WAS NOT INSTALLED IN A MACHINERY SPACE ESCAPE TRUNK. | NAVSEA DRAWING 804-5184163 REV A NOTE 6 | | |

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
|----|------------------------------------|---|--|--|--|
| - | MINUS 2.5 | ESS OPENING WIDTH WAS WITHIN 24 PLUS OR INCHES (ACTUAL WIDTH WAS INCHES) FROM DER STRAP OR D. | CMONAVSEASYSCOM NAVAL MESSAGE: R 030510Z JUN04 "ACCESS TRUNK SAFETY NET GUIDANCE". PARAGRAPH 3A | | |
| - | OR MORE INCHES). F | EESS OPENING LENGTH WAS NOT LESS THAN 16 THAN 21 INCHES (ACTUAL LENGTH WAS PARAGRAPH 3B OF NAVSEA MESSAGE REQUIRES PENING LENGTH TO BE 16 - 21 INCHES. | CMONAVSEASYSCOM NAVAL MESSAGE: R 030510Z JUN04 "ACCESS TRUNK SAFETY NET GUIDANCE". PARAGRAPH 3B | | |
| - | THAN 9 IN INCHES). F | T DID NOT HAVE LESS THAN 4 INCHES OR MORE ICHES OF NATURAL SAG (ACTUAL SAG WASPARAGRAPH 3C OF NAVSEA MESSAGE REQUIRES E NETS TO HAVE BETWEEN 4 AND 9 INCHES OF SAG. | CMONAVSEASYSCOM NAVAL MESSAGE: R 030510Z JUN04 "ACCESS TRUNK SAFETY NET GUIDANCE". PARAGRAPH 3C | | |
| - | HORIZON | T WAS INSTALLED AT LEAST 24 INCHES ABOVE A FAL OBSTRUCTION THAT PROJECTED MORE THAN FROM THE TRUNK SIDE. | NAVSEA DRAWING 804-5184163 REV A NOTE 6A | | |
| - | WHERE ST | STANCE FROM BULKHEAD OR OTHER STRUCTURE TAPLE WAS CONNECTED TO THE PERIMETER DO NOT EXCEED 8.5 INCHES. | CMONAVSEASYSCOM NAVAL MESSAGE: R 030510Z JUN04 "ACCESS TRUNK SAFETY NET GUIDANCE". PARAGRAPH 3F | | |
| - | PERIMETE MAXIMUN | STANCE BETWEEN SNAP HOOKS INSTALLED ON R STRAPS DID NOT EXCEED THE 11-INCH M SPACING (SNAP HOOKS LOCATED NCHES APART) WHEN THERE WERE NO ENCES. | CMONAVSEASYSCOM NAVAL MESSAGE: R 030510Z JUN04 "ACCESS TRUNK SAFETY NET GUIDANCE". PARAGRAPH 3E | | |
| - | PERIMETE MAXIMUN | STANCE BETWEEN SNAP HOOKS INSTALLED ON R STRAPS DID NOT EXCEED THE 16-INCH M SPACING (SNAP HOOKS LOCATED NCHES APART) WHEN THERE WERE ENCES. | CMONAVSEASYSCOM NAVAL MESSAGE: R 030510Z JUN04 "ACCESS TRUNK SAFETY NET GUIDANCE". PARAGRAPH 3E | | |
| - | 112P. ALL | ENDS WERE FOLDED TO THE UNDERSIDE OF THE SEWN. | NAVSEA DRAWING 804-5184163 REV A NOTE 3 | | |
| - | 112Q. SN | AP HOOK LOOPS HAD TWO BOX STITCHES. | CMONAVSEASYSCOM NAVAL MESSAGE: R 030510Z JUN04 "ACCESS TRUNK SAFETY NET GUIDANCE". PARAGRAPH 3D | | |
| - | _ | AP HOOKS WERE INSTALLED SO THAT THE OF ALL HOOKS WAS DOWN. | NAVSEA DRAWING 804-5184163 REV A NOTE 3 | | |
| - | 112S. NET | TWAS NOT INSTALLED UPSIDE DOWN. | NAVSEA DRAWING 804-5184163 REV A NOTE 3 | | |
| - | 112T. AU | THORIZED SNAP HOOKS WERE USED ON THE NET. | CMONAVSEASYSCOM NAVAL MESSAGE: R 030510Z JUN04 "ACCESS TRUNK SAFETY NET GUIDANCE". PARAGRAPH 2J | | |
| - | 112U. WE | B SLOTS WERE SPACED ON 5 INCH CENTERS. | NAVSEA DRAWING 804-5184163 REV A NOTE 2 | | |
| - | 112V. NE ⁻ 1750 LBS. | T WAS LOAD TESTED TO REQUIRED WEIGHT OF | NAVSEA DRAWING 804-5184163 REV A NOTE 4 | | |
| - | | BEL TAG ON NET INDICATED THAT NET WAS R A THAT ACCESS TRUNK. | CMONAVSEASYSCOM NAVAL MESSAGE: R 030510Z JUN04 "ACCESS TRUNK SAFETY NET GUIDANCE". PARAGRAPH 7 | | |

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
|----|-------------------------------|---|---|--|--|
| - | ACTIVITY DATE TE NUMBEI | DAD TEST TAG CONTAINED THE MANUFACTURING (; DATE OF MANUFACTURE; TESTING ACTIVITY; STED; TEST LOAD; TRUNK COMPARTMENT () AND NET LOCATION. REQUIRED ON NEW NETS () FTER 1 JAN 2005. | NAVSEA DRAWING 804-5184163 REV A DETAIL 12E | | |
| - | 112Y. N | ET WEBBING WAS NOT TWISTED. | MRC 6122/001-13 (S-2) | | |
| - | CVN 75 ON LHD | ET HAD LOAD TEST TAG (NOTE: NOT REQUIRED ON DR EARLIER; NOT REQUIRED ON AMPHIBS BUT ARE 8; LPD 17 AND FOLLOW-ON. ALL NEW NETS ED ON THESE SHIPS DO REQUIRE LOAD TEST TAGS). | NAVSEA DRAWING 804-5184163 REV A DETAIL 12E | | |
| - | 112ZA. N | IET WAS NOT DAMAGED. | MRC 6122/001-13 (S-2) | | |
| - | | ALL SNAP HOOKS WERE ATTACHED TO PONDING STAPLES AND ALL SNAP HOOK STAPLES RESENT. | MRC 6122/001-13 (S-2) | | |
| - | 112ZC. S | STAPLE DID NOT HAVE MORE THAN 1 SNAP HOOK ED. | NAVSEA DRAWING 804-5184163 REV A DETAIL 10-A | | |
| - | 113. GE | NERAL SAFETY, SAFETY NET-GTM | | | |
| - | HOUSIN | ET WEBBING WAS NOT BOLTED DIRECTLY TO GTM G. SNAP HOOKS AND SNAP HOOK ATTACHMENT 'S WERE USED (REFER TO FIG. 1 IN MRC 15 9RVP N; 2/001). | MRC 6122/001-13 (S-2) | | |
| - | 113B. N | ET WEBBING WAS NOT TWISTED. | MRC 6122/001-13 (S-2) | | |
| - | 113C. N | ET WAS NOT DAMAGED. | MRC 6122/001-13 (S-2) | | |
| - | 113D. S DAMAG | NAP HOOK ATTACHMENT BRACKETS WERE NOT ED. | MRC 6122/001-13 (S-2) | | |
| - | 114. GE | NERAL SAFETY SAW BLADE GUARDS | | | |
| - | | UARD WAS INSTALLED ON THE TABLE CULAR SAW/RIP SAW/RADIAL SAW/BAND SAW. | OPNAVINST 5100.19E C1304G3A, C13043GP, C1304G3R AND C1304G3V | | |
| - | 115. GE | NERAL SAFETY, SECURE FOR SEA | | | |
| - | GEAR AN EQUIPM FIRMLY | OCKERS/MACHINES/EQUIPMENT/CABINETS/HEAVY ID PERMANENTLY INSTALLED ENT/COMPUTERS/NON-PORTABLE ITEMS WERE SECURED TO THE DECK/TABLE TOP/BULKHEAD AND AD ALL ITEMS PROPERLY STORED FOR SEA. | OPNAVINST 5100.19E C0102C1 | | |
| - | 116. GE | NERAL SAFETY, SLIP HAZARDS | | | |
| - | TREADS, TOP AND AND ARC | HREE SLIP-RESISTANT TREADS (MINERAL-COATED 6 INCHES BY 24 INCHES) WERE PROVIDED AT THE DOTTOM OF LADDERS, ON BOTH SIDES OF DOORS CHES WITH HIGH COAMING USED FOR JOUS TRAFFIC, AND AT BOTH SIDES OF CREW SPACE DO | OPNAVINST 5100.19E C0102D6 GSO 634C SHIP SPEC 634B | | |
| - | 117. GE | NERAL SAFETY, WORKSHOP SAFETY MARKINGS | | | |
| - | _ | PERATOR WORK AREAS OF PERMANENTLY ED EQUIPMENT WERE MARKED AS SOLID YELLOW | OPNAVINST 5100.19E C0104D1 | | |
| - | | ON-SKID MATERIAL (NON-SKID PAINT OR ADHESIVE D STRIPS) WAS APPLIED IN OPERATOR WORK | OPNAVINST 5100.19E C0104D1 | | |

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| | | | Effective | Date of Checklist: | 01-Feb-13 |
|----|------|---|--|--------------------|-----------|
| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| _ | 117C | EYE HAZARDOUS AREAS WERE OUTLINED IN YELLOW | OPNAVINST 5100 19F C0104D2 AND C0104D2 | | |

AND BLACK CHECKERBOARD OR STRIPING.

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | | | |
|----|-------------------------------------|---|---------------------------------------|-----|-----|-------|--------|
| NE | ОН0050 | GAS FREE ENGINEERING | | SAT | DEG | UNSAT | NA RBO |
| R | EFERENCES: | OPNAVINST 5100.19 SERIESNSTM 074(V3)MIP 66 | 541/003AEL 2-880044260AEL 2-880044261 | | | | |
| | 101 055 0 | NSTM, SHIPS DRAWINGS | | | | | |
| | | ERTIFICATION AND DESIGNATION | | | | | |
| | | CERTIFICATION/RECERTIFICATION LETTERS THAT XCEED THE 12 MONTH PERIODICITY. | NSTM 074(V3) 18.10 & 18.11 | | | | |
| | | COMPLETED 10 GFE TESTS (OR EQUIVALENT) RECERTIFICATION. | NSTM 074(V3) 18.10 | | | | |
| - | | SUFFICIENT NUMBERS TO OUTFIT EACH INPORT TOON WITH A GFEPO. | NSTM 074(V3) 18.6 | | | | |
| - | | COMPLETED GFE AND GFEPO FOR SURFACE OPERATIONS, K-495-0051, OR EQUIVALENT. | NSTM 074(V3) 18.9 | | | | |
| - | OF THE 40 SUPERVISI | HAD COMPLETED AND/OR THERE WAS A WAIVER HOUR OJT REQUIREMENT UNDER THE ON OF AN OFFICIAL GFE (FOR THE GFE ONLY AND ER MUST BE IN WRITING BY THE CO). | NSTM 074(V3) 18.8 | | | | |
| - | | HAD BEEN CERTIFIED IN WRITING BY THE SHIP'S FORM GFE DUTIES. | NSTM 074(V3) 18.8 | | | | |
| | (GFE) AFTE | PO'S HAD QUALIFIED NAVEDTRA 43704, 316 R COMPLETION OF SCHOOLS. FOR GFEPO PQS NGINEERING COLLATERALS AND QUALIFICATION JENTS. | NSTM 074(V3) 18.8 | | | | |
| - | | 's HAD QUALIFIED NAVEDTRA 43119, 304 (F/M). 13119-J 318 AND 320) | NSTM 074(V3) 18.8 | | | | |
| - | 101I. HAD WRITING | ONLY ONE GFE AND GFEA DESIGNATED IN | NSTM 074(V3) 18.8 | | | | |
| | 102. GFE C | PR TRAINING | | | | | |
| - | ALL GFEP \ PROCEDUF PERIODICI | UMENTATION WAS AVAILABLE TO VERIFY THAT VERE TRAINED IN EMERGENCY RESCUE, GFE RES SEMI-ANNUALLY. CPR REFRESHER TY WAS IN ACCORDANCE WITH AMERICAN HEART OSS ASSOCIATION REQUIREMENTS. | NSTM 074(V3) 18.8 | | | | |
| - | 103. GFE C | REW TRAINING | | | | | |
| - | ALL HANDS FAMILIARIS ANNUALLY | UMENTATION WAS AVAILABLE TO VERIFY THAT RECEIVED GAS FREE ENGINEERING PROGRAM ZATION UPON REPORTING ABOARD AND THEREAFTER, WITH TRAINING RECORDS ED BY THE DIVISION OFFICER. | NSTM 074(V3) 18.9 | | | | |
| - | 104. GFE N | OTEBOOK AND DOCUMENTATION | | | | | |
| - | | TIFICATES WERE MAINTAINED AS A LEGAL T FOR 12 MONTHS. | NSTM 074(V3) 18.16 | | | | |
| | | TIFICATES WERE EXTENDED OR RETESTS TED AS REQUIRED. | NSTM 074(V3) 20.5 | | | | |

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| | | | | Effective Date of Checklist: | 01-Feb-13 |
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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | MAXIMUN | CERTIFICATES WERE CLOSED OUT AFTER A M OF 24 HOURS AND A NEW CERTIFICATE ISSUED EW SERIAL NUMBER TO CONTINUE OPERATIONS. | NSTM 074(V3) 20.5 | | |
| - | 104D. CER | TIFICATES WERE PROPERLY COMPLETED. | NSTM 074(V3) 20.6 | | |
| - | 104E. CER | TIFICATES HAD REQUIRED SIGNATURES. | NSTM 074(V3) 20.6 | | |
| - | 104F. CER | TIFICATES LISTED DATE AND TIME OF DN/TEST. | NSTM 074(V3) 20.6 | | |
| - | 104G. CER | TIFICATES INDICATED LOCATION OF SPACE. | NSTM 074(V3) 20.6 | | |
| - | | T WORK FIREWATCH DID NOT INDICATE SPACE RED ON CERTIFICATES. | NSTM 074(V3) 20.6 | | |
| - | | BLOCKS PERTAINING TO PARTICULAR GFE NS HAD BEEN COMPLETED OR N/A IF NOT LE. | NSTM 074(V3) 20.6 | | |
| - | 104J. THE | GFE NOTEBOOK INCLUDED ALL REQUIRED ITEMS. | NSTM 074(V3) 18.11; 18.16; & APP C | | |
| - | 105. GFE F | PROGRAM EVALUATION | | | |
| - | ENGINEER | SAFETY OFFICER EVALUATED THE GAS FREE ING PROGRAM AT LEAST ANNUALLY USING THE REFERENCED IN NSTM 074V3. | NSTM 074(V3) 18.10 OPNAVINST 5100.19E B0801 | | |
| - | | TH THE SAFETY OFFICER AND GFE MAINTAINED A THE ANNUAL GFE PROGRAM EVALUATION. | NSTM 074(V3) 18.10 | | |
| - | | EVALUATION ENSURED THAT GFE PERSONNEL REQUIREMENTS FOR RECERTIFICATION. | NSTM 074(V3) 18.10 | | |
| - | 106. GFE 1 | EST EQUIPMENT | | | |
| - | 106A. THE ANALYZER | SHIP HAD THE REQUIRED NUMBER OF GAS | AEL 2-880044260 AEL 2-880044261 | | |
| - | 106B. ALL | GAS ANALYZERS WERE OPERATIONAL. | NSTM 074(V3) 27.1 | | |
| - | | SHIP HAD THE REQUIRED NUMBER OF GAS CALIBRATION KITS. | AEL 2-880044260 AEL 2-880044261 | | |
| - | NOT EXPIR | CALIBRATION GAS FOR THE GAS ANALYZER WAS RED (UNLESS OTHERWISE MARKED, SHELF LIFE IS OM DATE OF MANUFACTURE). | NSTM 074(V3) 27.14 | | |
| - | | H GAS ANALYZER WAS CALIBRATED ONCE A DAY INITIAL USE ON THAT DAY. | NSTM 074(V3) 27.13 | | |
| - | | PACKAGES OF CHEMICAL DETECTION TUBES O HAD NOT EXPIRED SHELF-LIFE. | MRC 6641/030 S-11 | | |
| - | PUMPS/B | CHEMICAL DETECTION TUBE PISTON ELLOWS WERE NOT DETERIORATED/DAMAGED. | MRC 6641/030 S-11 | | |

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| | | | EJJ | ective Date of Ch | eckiist | • | 01-ге | 0-13 |
|----|-------------------------|---|---|-------------------|---------|-------|-------|------|
| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | | | | |
| NE | ОН0060 | HAZMAT | | SAT | DEG | UNSAT | NA | RBO |
| RE | FERENCES: | OPNAVINST 5100.19 SERIESNAVMED P-5010NST 770004252/53/90AEL 20550024007/8NAVSEA 0 MANUALDD FORM 2521 AND 2522 LABELSNAVS | 910-LP-579-9800, HAZARDOUS MATERIAL/W | | | Т | | |
| | | NSTM, SHIPS DRAWINGS | | | | | | |
| - | 101. HAZN | MAT COORDINATOR | | | | | | |
| - | was appoi | nmissioned officer from the Supply Department nted in writing by the Commanding Officer as material coordinator. | OPNAVINST 5100.19E B0302 A1B | | | | | |
| - | officer/chi | ships smaller than a frigate, commissioned ef/LPO was appointed in writing by the ing Officer as Hazardous Material Coordinator. | OPNAVINST 5100.19E B0302 A1B | | | | | |
| - | 102. HAZN | MAT COORDINATOR TRAINING | | | | | | |
| - | Hazmat Co | mat Coordinator was a graduate of the Afloat ordinator course (A-8B-0008) or had received the ly Corps School Basic or Department Head Course. | OPNAVINST 5100.19E B0302 A4B OPNAVINST 5100.19E B0302 C1 | | | | | |
| - | 103. HAZN | MAT SUPERVISOR TRAINING | | | | | | |
| - | other assignment | HM supervisor/Leading Petty Officer, and/or gned personnel (as required by Activity Manpower) were graduates of the HMC&M Technician 5) course (A-322-2600 or A-322-2601) | OPNAVINST 5100.19E B0302 C2 | | | | | |
| - | | MINCEN (If established) HM Supervisor was a of the CHRIMP/HICS Technician course (A-493- | OPNAVINST 5100.19E B0302 C2 | | | | | |
| - | 104. MAT | ERIAL SAFETY DATA SHEETS | | | | | | |
| - | hazardous via the DO | intained a copy of the CD-ROM or access to the materials information resource system (HMIRS) L sponsored website IS.DLA.MIL/HMRIS). | OPNAVINST 5100.19E B0301 G7 OPNAVINST 5100.19E B0302 A4G NAVSUP P-485 VOL 1 8202-1H | | | | | |
| - | 104B. Mai | ntained a hard copy MSDS for HAZMAT not HMIRS. | OPNAVINST 5100.19E B0302 A4G NAVSUP P-485 VOL 1 8202-1H | | | | | |
| - | | MSDS's for open purchase items on board or pon request. | OPNAVINST 5100.19E B0302 A4G NAVSUP P-485 VOL 1 8202-1H | | | | | |
| - | NAVICP CO | open purchase items, an SFR was submitted to DDE 0772 with the MSDS number, if in HMIS, or a of the MSDS. | NAVSUP P-485 VOL 1 8202-1D | | | | | |
| - | 105. OPEN | PURCHASE | | | | | | |
| - | those item determine | en purchase of Hazmat was restricted to only s for which stock number product could be d to be inferior, due to urgency, or material could sfied from stock. | OPNAVINST 5100.19E B0302 C1 | | | | | |
| - | for the ope | Supply Officer/HM Coordinator submitted an SFR en purchase items to NAVICP-M Code 0772 with Number, if in HMIS, or a hard copy of the MSDS. | OPNAVINST 5100.19E C2302 C1 NAVSUP P-485 VOL 1 8214-3 | | | | | |

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | | |
| - | signat | The CO or an officer O-5 or above had approved, by ure, the ship's hazardous material list (SHML) ack report (SFR). | OPNAVINST 5100.19E C2302 A4H | | | |
| - | 106. I | N-SPACE LOCKER TRAINING | | | | |
| - | persor includ | Quarterly training was conducted with division neel that maintained in-space storage lockers. Training ed: maintaining proper inventories, proper markings, ge and use of MSDS). | OPNAVINST 5100.19E B0302 A4F OPNAVINST 5100.19E B0302 A5C | | | |
| - | 107. H | HAZMINCEN 24 HOUR SERVICE | | | | |
| - | | HAZMINCEN provided 24 hours of service to enter customers. | OPNAVINST 5100.19E C2302 A5 OPNAVINST 5100.19E C2302 F1 | | | |
| - | | HAZMINCEN collected previously issued HAZMAT for alternate use, or offload. | OPNAVINST 5100.19E C2302 A5 | | | |
| - | 108. I | SSUED MATERIAL CONTROL | | | | |
| - | residu HAZM | The remaining HAZMAT, its empty container, and any e from the maintenance action was returned to the INCEN at the completion of a maintenance action, the the work day, or the end of the 7-day use period. | OPNAVINST 5100.19E C2302 F3 | | | |
| - | 108B. | HICSWIN was used to record and control HAZMAT. | OPNAVINST 5100.19E C2302 A5 OPNAVINST 5100.19E C2302 B | | | |
| - | report HAZM | HAZMINCEN operators used HICSWIN to print out a of the workcenters delinquent in returning unused AT or empty containers and vigorously seek out the ial not returned. | OPNAVINST 5100.19E C2302 A5 | | | |
| - | 109. H | AZMINCEN PERSONNEL TRAINING | | | | |
| - | docum labelir | HAZMINCEN personnel quarterly training was nented. Training included proper handling, issuing, ag, stowage, receipt processing, inventories, spill ase and disposal procedures. | OPNAVINST 5100.19E B0302 A4E OPNAVINST 5100.19E B0302 A4N | | | |
| - | 110. V | VORKCENTER TRAINING | | | | |
| - | use or hazaro | Documentation was available to show, prior to initial handling of HAZMAT, personnel had been trained on its of the material and were familiar with an MSDS, it's need to have the same trained by the same tra | OPNAVINST 5100.19E C2302 A12B | | | |
| - | annua orderi | HAZMAT Awareness training was conducted on an I basis. Training is to include information on: ng, issuing, reutilization, handling, storing, using, al, and spill response. | OPNAVINST 5100.19E B0302 A2J OPNAVINST 5100.19E B0302 A3C OPNAVINST 5100.19E B0302 A1C | | | |
| - | 111. H | HAZMAT ANNUAL INVENTORY | | | | |
| - | HAZM | An annual, ship-wide, physical inventory of all AT (including lockers and HAZMINCEN coms/spaces) was conducted. | OPNAVINST 5100.19E B0302 A4K4 NAVSUP P-485 VOL 1 8202-1.C | | | |
| - | Hazard | The annual inventory was compared to the Ships dous Material List (SHML)/Type SHML (T-SHML) to that all HAZMAT is on the SHML/T-SHML. | OPNAVINST 5100.19E B0302 A4K4 NAVSUP P-485 VOL 1 8202-1.C | | | |
| - | 112. H | HAZMAT LOCATION LIST | | | | |

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| | | | EJJ | jective Date of Checklist: | 01-F6D-13 |
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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | provide HAZMA Medica | The Supply Officer/HM Coordinator/HM Supervisor d a copy of locations and quantities of all T/excess HAZMAT to the DCA, Safety Officer, Senior I Officer, Gas Free Engineer, Fire Marshal, ment Heads, and the XO. | OPNAVINST 5100.19E B0302 A4J NAVSUP P-485 VOL 1 8202-1.B | | |
| - | 113. H | AZMAT STOWAGE SPACE INSPECTIONS | | | |
| - | Supervi | The Supply Officer/HM Coordinator/HM sor/Safety Officer conducts monthly satellite locker ve, acid, flammable) inspections. | OPNAVINST 5100.19E B0302 A4K OPNAVINST 5100.19E B0302 A6C1 NAVSUP P-485 VOL 1 8202 DH CHECKOFF L NSTM 670 4.3.2 NSTM 670 6.3.2 | □ □ □ | |
| - | | supply Officer/HM Coordinator/HM sor/Safety Officer conducts quarterly storeroom ons. | OPNAVINST 5100.19E B0302 A4K3 OPNAVINST 5100.19E B0302 A6C2 NAVSUP P-485 VOL 1 8202 DH CHECKOFF L | | |
| - | Officer | supply/HM Coordinator/HM Supervisor/Safety conducts and documents monthly HAZMAT practices ecks of division personnel. | OPNAVINST 5100.19E B0302 A4K2 OPNAVINST 5100.19E B0302 A6B | | |
| - | 114. SP | ILL TRAINING | | | |
| - | respons | . OHS drills shall include deployment of the spill se kit and exercising notification practices, including sed telephone calls. | OPNAVINST 5090.1C 22-9.3.1 | | |
| - | | . Ships may take credit for responding to actual hen such spill meets drill objectives. | | | |
| - | | At least one OHS spill response drill for each duty was conducted and documented annually. | OPNAVINST 5100.19E B0304 C1 OPNAVINST 5090.1C 22-9.3.1 | | |
| - | | OCA coordinated HAZMAT spill drills with NCEN division. | OPNAVINST 5100.19E B0302 A8A | | |
| - | 115. BF | ROMINE CARTRIDGES | | | |
| - | | Bromine cartridges were not stored in a clean, dry, ed space. | NAVMED P-5010 CH 6 6-21.1.C5 NSTM 533 3.3.3 NSTM 670 5.2.2 | | |
| - | 115B. (leaking | Cartridges were free from damage, deterioration, or resin. | NSTM 533 3.5.1.2.5 | | |
| - | 115C. (| Cartridges were stored in a bromine stowage cabinet. | NSTM 533 3.4.4 | | |
| - | | Cartridges were all within their expiration dates (2 elf life - not extendable). | NSTM 533 3.5.1.1.1.3.1 | | |
| - | 115E. S | torage locker had the required warning placard. | NSTM 533 3.4.5 NSTM 533 FIG 3-1 | | |
| - | 116. CA | ALCIUM HYPOCHLORITE LOCKER | | | |
| - | | Three 1/4 inch vent holes were drilled into the of the storage box to allow release of any chlorine cs. | MRC 6521/601-42 Q-1 NSTM 670 5.5.3.1 | | |
| - | and lab | All lockers, bins and enclosures shall be painted gray eled with red letters on a white background. ous Material Calcium Hypochlorite). | MRC 6521/601-42 Q-1 NSTM 670 5.5.3.7 | | |
| - | 116C. S lockers | storeroom stocks were stowed in labeled ventilated or bins. | NSTM 670 5.5.3.5 | | |

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| DK | ITEM EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | 116D. Lockers or bins for storeroom stocks were located in an area where the maximum temperature would not exceed 100 degrees F under normal operating conditions and where water condensation could not accumulate. | MRC 6521/601-42 Q-1 NSTM 670 5.2.1 | | |
| - | 116E. Lockers or bins for storeroom stocks were separated by at least 5 feet from any point, heat source, or surface which may exceed 140 degrees F and/or were adjacent to a magazine. | MRC 6521/601-42 Q-1 NSTM 670 5.2.1 NSTM 670 5.5.3 | | |
| - | 116F. Condition of the cabinet was free from deterioration. | MRC 6521/601-42 Q-1 | | |
| - | 117. CALCIUM HYPOCHLORITE | | | |
| - | 117A. Ready usage stocks were stowed in a locked box that was bulkhead mounted in the cognizant office space or near the decon station. | | | |
| - | 117B. Storage of calcium hypochlorite was prohibited in machinery spaces, flammable liquids storeroom, berthing spaces, storerooms, or in the oil and water test laboratory areas. | NSTM 670 5.5.3 | | |
| - | 117C. Storage of paints, oils, greases or combustible organic materials was prohibited in the area of lockers or bins used for storeroom stocks. | NSTM 670 5.5.3 | | |
| - | 117D. Ready use stock was limited to no more than 144 6-ounce bottles in any individual locker. | NSTM 670 5.5.3.5 | | |
| - | 117E. Bottles were within expiration dates (shelf life is 2 years). | NSTM 670 5.5.3 | | |
| - | 117F(1). 52 six ounce bottles per decon station. | AEL 2-770004252 AEL 2-770004253 | | |
| - | 117F(2). PC-1 Class to only carry 36 six ounce bottles. | AEL 2-770004253 | | |
| - | 117F(3). 70 six ounce bottles per casualty decon station. | AEL 2-770004290 | | |
| - | 117F(4). 7 six ounce bottles for emergency disinfection of potable water system and/or sewage treatment system. | AEL 1-480040001 | | |
| - | 117F. Minimum amount to be carried onboard at all times: | | | |
| - | 118. HAZMAT SPILL KIT | | | |
| - | 118A. DCA did maintain the HAZMAT spill response kit (issued as one kit per every two repair lockers per ship). | AEL 2-550024007 Surface Ships AEL 2-550024009 Minesweepers AEL 2-5500024008 Small Craft | | |
| - | 119. PROPER LABELING OF CONTAINERS | | | |
| - | 119A. Were properly marked/labeled (tag, sign, placard or gummed sticker). | OPNAVINST 5100.19E C2302 D2 | | |
| - | 119B. Contained proper labels (material name, manufacturer's name & address, stock number, HCC, and nature of hazard presented including target organ. | OPNAVINST 5100.19E C2302 D2 | | |
| - | 119C. Had labels that were readable. | OPNAVINST 5100.19E C2302 D1 | | |
| - | 120. MERCURY STORAGE | | | |
| - | 120A. Were stored in NAVSEA mercury storage locker, drawing number 803-5184175. | OPNAVINST 5100.19E C2305 B NAVSEAINST 5100.3D NSTM 670 3.5.2 | | |

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | | Were secured to avoid accidental breakage, in I containers, in a cool, dry location. | OPNAVINST 5100.19E C2305 B NAVSEAINST 5100.3D NSTM 670 3.5.2 | | |
| - | 121. L | SED/EXCESS HAZMAT DISPOSAL | | | |
| - | contan | Rags, containers, or other residual materials ninated with hazmat were processed aboard (if e) or containerized for shore processing or disposal. | OPNAVINST 5100.19E C2302 F3 NSTM 593 5.8.3-11 | | |
| - | tightly | Rags soaked with flammable solvent were stowed in sealed metal containers and labeled "CONTAINS MABLE WASTE, KEEP FIRE AWAY, NO OXIDIZING RIALS." | NSTM 670 3.3.2.1 | | |
| - | 121C. | Used HM was segregated for collection. | OPNAVINST 5100.19E C2302 H7 NSTM 593 5.9.2 NSTM 670 2.3.4.3 | | |
| - | | Used HM was labeled as to contents or had a label that the contents were unknown. | OPNAVINST 5100.19E C2302 H2 NSTM 593 5.4.1 NSTM 593 5.4.4 | | |
| - | | Materials were segregated from incompatibles (use tibility charts). | NSTM 593 5.1.5 NSTM 670 2.1.3.2 | | |
| - | 121F. reuse. | Hazmat was reviewed for extension of shelf-life and | NAVSUP P-485 VOL 1 4664-4E | | |
| - | 122. S | TOWAGE REQUIREMENTS | | | |
| - | compa | Incompatible HM was stored in separate rtments or maintained at least 3 feet of separation to t mixing in the event of a spill. | OPNAVINST 5100.19E C2302 E1C NSTM 670 1.11.2 | | |
| - | | Alcohol shall be stowed in the original shipping ner or in lockers provided in the flammable liquid nom. | NSTM 670 4.7.3.2 GSO 671 C | | |
| - | 123. C | OMBUSTIBLE MATERIALS | | | |
| - | cardbo | Ordinary combustible materials such as rags, paper, ard boxes, and wood were not stowed in flammable e areas. | OPNAVINST 5100.19E C2302 E2E | | |
| - | 124. C | OMPRESSED GAS CYLINDERS | | | |
| - | | Both horizontal and vertical rack restraints met class k requirements. | NAVSEA DWG 803-5184287 | | |
| - | 124B. | Compressed gas cylinders were individually secured. | OPNAVINST 5100.19E C1102 D1 | | |
| - | | Cylinder racks were protected from the sun and er on the weather decks. | OPNAVINST 5100.19E C1102 D3 | | |
| - | | Flammable gas cylinders were segregated from ng (oxygen & chlorine) cylinders. | OPNAVINST 5100.19E C1102 D3 | | |
| - | 124E. | Cylinders were free from damage/deterioration. | MRC 6630/005-92 24M-1R | | |
| - | 124F. | All cylinders not in use had protective caps installed. | OPNAVINST 5100.19E C1102 D1 | | |
| - | 124G. | Empty cylinders were segregated from full cylinders. | NSTM 550 2.6.1 MRC 6630/005-92 24M-1R | | |
| - | 125. C | ORROSIVE CABINET | | | |
| - | 125A. | Corrosive cabinet door was free from damage. | MRC 6600/002-C2 S-2 | | |

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | 125B. | There was no spillage in the cabinet. | MRC 6600/002-C2 S-2 | | |
| - | 125C. | Cabinet was free from corrosion. | MRC 6600/002-C2 S-2 | | |
| - | 125D. storag | Cabinet was properly labeled for acid or corrosive e. | NSTM 670 2.1.3.3 | | |
| - | | Shelves were lined with acid-resistant/corrosion int material (lead, rubber, or polyethylene liners). | NSTM 670 6.3.2.1 | | |
| - | | Bottles or carboys were cushioned or retained in al packaging for safety. | OPNAVINST 5100.19E C2305 D1 | | |
| - | 125G. | Materials were properly labeled. | OPNAVINST 5100.19E C2302 H2 | | |
| - | | Only compatible materials were stored in the ives locker (specify). | OPNAVINST 5100.19E APP C23-F | | |
| - | | Strong bases (such as sodium hydroxide) were stored stely with incompatible strong acids (such as nitric | OPNAVINST 5100.19E C2308 A3 | | |
| - | | Horizontal restraints for the cabinet met class B shock ements. | NSTM 670 6.3.2.1 | | |
| - | 125K. | Door was self-closing. | NSTM 670 6.3.2.1 | | |
| - | 125L. | The locker was lockable. | NSTM 670 6.3.2.1 | | |
| - | 125M | Locker was blue or white in color. | NSTM 670 6.3.2.1 | | |
| - | 125N. 901. | Locker was welded to the deck as required by MIL-S- | NSTM 670 6.3.2.1 | | |
| - | | N-USE FLAMMABLE LOCKER, COMMERCIAL | | | |
| - | with h | The door was self-closing. Per MIP 6641, lockers ydraulic closures should close with a firm positive ement of the cabinet door latching mechanism, if able. | MRC 6641/003-C2 Q-36 NSTM 670 4.3.2 | | |
| - | 126B. | The door was lockable. | MRC 6641/003-C2 Q-36 NSTM 670 4.3.2 | | |
| - | 126C. | Locker was not damaged or deteriorated. | MRC 6641/003-C2 Q-36 | | |
| - | 126D. | Shelves were free from spillage. | MRC 6641/003-C2 Q-36 | | |
| - | 126E. stock. | Locker had quantities of HM within a 7-day working | OPNAVINST 5100.19E C2302 E2B MRC 6641/003-C2 Q-36 | | |
| - | 126F. | Door was sealed properly. | MRC 6641/003-C2 Q-36 | | |
| - | | Locker was marked "FLAMMABLE" or IMABLE/COMBUSTIBLE LIQUIDS". | NSTM 670 4.3.2.1 | | |
| - | COND RELOC | Locker was marked " DURING STRIP SHIP ITIONS, THE CONTENTS OF THIS CABINET SHALL BE CATED TO A FLAMMABLE LIQUIDS STOREROOM, ISSUE I, OR READY SERVICE STOREROOM". | OPNAVINST 5100.19E C2302 E2B NSTM 670 4.3.2.1 | | |
| - | | Locker had a current inventory of the contents posted door of the locker. | MRC 6641/003-C2 Q-36 NSTM 670 4.3.2.5 | | |
| - | | The locker maintained less than the 30-gallons of able materials per space limit. | OPNAVINST 5100.19E C2302 E2B NSTM 670 4.3.2.2E | | |

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| DK | ITEM EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | 126K. The locker was an approved model for shipboard use. The manufacturer's model number placard should be clearly visible and legible. | NSTM 670 4.3.2 TABLE 4-3 | | |
| - | 126L. The locker was yellow in color. | NSTM 670 4.3.2.1 | | |
| - | 126M. The locker was welded to the deck as required by MIL-S-901. | NSTM 670 4.3.2 NSTM 670 4.3.2.2J | | |
| - | 126N. The locker was located outside of living spaces, passageways, magazines, steering gear rooms, or aircraft hangars. | NSTM 670 4.3.2.2A | | |
| - | 1260. Locker was located in a space that was mechanically ventilated. | NSTM 670 4.3.2.2D | | |
| - | 126P. Was installed at least six inches from bulkheads. | NSTM 670 4.3.2.2G | | |
| - | 126Q. An 18 pound PKP dry chemical extinguisher was installed in the vicinity of the locker. | MRC 6641/003-C2 Q-36 NSTM 670 4.3.2.2H | | |
| - | 126R. Was marked "WARNING, NO SMOKING, NO OPEN FLAMES". | MRC 6641/003-C2 Q-36 NSTM 670 4.3.2.1 | | |
| - | 126S. Three or less aerosol cans (same product) were stored in the locker. | MRC 6641/003-C2 Q-36 | | |
| - | 126T. Lockers were not installed in machinery spaces. | OPNAVINST 5100.19E C2302 E2C | | |
| - | 127. STORAGE AREA SIGNS | | | |
| - | 127A. Hazardous material storage area was marked with a caution placard or sign stating "HAZARDOUS STORAGE AREA". Signs are available under NSN 9905-01-342-4851 (10" X 7") OR 9905-01-342-4859 (3" X 5"). | OPNAVINST 5100.19E C2302 E1D NSTM 670 2.1.1.3 NSTM 593 5.8.8 | | |
| - | 128. STOWAGE | | | |
| - | 128A. Less than a 7-day's supply of routinely used Hazmat was stored in or near the user compartment. | OPNAVINST 5100.19E C0102 A2 OPNAVINST 5100.19E C2302 F2 | | |
| - | 128B. Hazmat storage area (specify) was free of leaking containers. | NSTM 670 1.10 NSTM 593 5.8.4 | | |
| - | 128C. Hazmat containers were secured for sea and subject to spillage. | OPNAVINST 5100.19E C0102 A1 OPNAVINST 5100.19E C2302 E1N OPNAVINST 5100.19E C2302 E1O NSTM 670 2.1.2.6 | | |
| - | 128D. Ventilation exhaust terminals were kept clear of hazmat containers. | NSTM 670 1.6.6 | | |
| - | 128E. Aisles and passageways in the storage area were kept clear (minimum clearance in aisle is 24 inches). | NSTM 670 1.6.3 | | |
| - | 128F. Access to exits, safety equipment, alarms, and fire extinguishing equipment was kept clear of hazmat containers. | NSTM 670 1.6.3 | | |
| - | 128G. Flammable/combustible hazmat storage area had required fire suppression protection. | NSTM 670 2.1.2.4 NSTM 593 5.8.7 | | |
| - | 128H. A minimum distance (18 inches) was provided between the top of stacked used/excess HAZMAT and fire suppression discharge devices. | NSTM 593 5.8.7.1 | | |

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | between 2 halon, CO | ricating oils/petroleum products with a flash point 100 and 1500 deg F were stowed under fixed 2, or sprinkler protection or on weather deck tection from the elements | OPNAVINST 5100.19E C2302 E2D | | |
| - | 129. HYD | RAZINE CABINET | | | |
| - | | drazine was stored in the cabinet provided as part ction system. | NSTM 220 25.9 | | |
| - | 129B. The Storage O | hydrazine cabinet was labeled "Hydrazine nly". | NSTM 220 25.9 | | |
| - | times by r | hydrazine cabinet was maintained full at all eturning empty bottles to the cabinet, required to lifting or tipping of full bottles. | NSTM 220 25.9 | | |
| - | | APRON, TOXICOLOGICAL AGENTS PROTECTIVE, 9 8415-00-281-7814. | | | |
| - | | FOOT WEAR COVERS, CHEMICAL PROTECTIVE 8430-01-021-5978. | | | |
| - | 129D(3). 364-2169. | GOGGLES, CHEMICAL SAFETY (QTY 2) 9G 4240-01- | | | |
| - | 129D(4). | GLOVES, RUBBER (QTY 2) 9D 8415-00-266-8677. | | | |
| - | | DRUM, SHIPPING AND STORAGE SHEET METAL MEL (QTY 1) 9G 8110-00-254-5713. | | | |
| - | 129D(6). | PLASTIC BAG (QTY 1) 9Q 8105-00-200-0195. | | | |
| - | 129D(7). : 1272. | SPILL ABSORBENT (QTY 50 LB) 9Q 7930-00-269- | | | |
| - | | emergency shower/eyewash was located within the hydrazine injection system. | NSTM 220 25.10 | | |
| - | Equipmen | orage locker labeled "Hydrazine Safety t" was located near the injection equipment the following items: | NSTM 220 25.10 | | |
| - | 130. PKP | extinguisher | | | |
| - | extinguish | 18-pound capacity portable dry chemical er (PKP) was provided in spaces where flammable | GSO 555 D | | |

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liquids are used or dispensed.

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | • | | | | |
|----|-------------|--|--|--------|-------|---------|-----|-----|
| NE | ОН0070 | HEARING CONSERVATION | | SAT | DEG | UNSAT | NA | RBO |
| R | EFERENCES: | OPNAVINST 5100.19 SERIES, SHIP SPEC 073, 512 | C, NEHC-TM6290.91-2, REV B INDUSTRIAL HYGIENE FIE | LD OPE | RATIO | NS MANU | JAL | |
| | | NSTM, SHIPS DRAWINGS | | | | | | |
| - | 101. AIRBO | DRNE NOISE MEASUREMENTS | | | | | | |
| - | - | orne noise measurements were conducted builders trial/acceptance trial/final contract trial. | SHIP SPEC 073 | | | | | |
| - | | C 073 noise criteria for octave band sound evels at full power and/or cruise power were not | SHIP SPEC 073 | | | | | |
| - | 102. AUDI | OGRAMS | | | | | | |
| - | hazardous | personnel assigned to duties in designated noise areas or operating noise hazardous equipment ncluded in the hearing conservation program. | OPNAVINST 5100.19E B0402E & B0407 | | | | | |
| - | hazardous | personnel assigned to duties in designated noise areas or operating noise hazardous equipment ed an annual audiogram. | OPNAVINST 5100.19E B0402D & E OPNAVINST 5100.19E B0407B | | | | | |
| - | surveilland | OF persons who were under medical e for hearing conservation, did not have a current annual audiometric examinations, or follow-up ons. | OPNAVINST 5100.19E B0402E & B0407 | | | | | |
| | 103. NOISI | HAZARD LABELING | | | | | | |
| - | | /MED 6260/2 was used for posting/labeling noise areas. Required at entrances. | OPNAVINST 5100.19E B0404C | | | | | |
| - | | ipment/tools designated as noise hazardous were beled with NAVMED 6260/2A. | OPNAVINST 5100.19E B0404C | | | | | |
| - | | se hazardous warning signs and labels properly noise hazardous conditions. | OPNAVINST 5100.19E B0404C | | | | | |
| | 104. NOISI | SURVEYS | | | | | | |
| - | | se surveys were conducted/were completed as baseline or any follow-up industrial hygiene | OPNAVINST 5100.19E B0402B | | | | | |
| | 104B. The | safety officer maintained a copy of the current ey. | OPNAVINST 5100.19E B0402B | | | | | |
| | 105. PERSO | DNAL PROTECTIVE EQUIPMENT | | | | | | |
| - | 105A. Circ | umaural ear muffs were in good working | OPNAVINST 5100.19E B0402E | | | | | |
| - | 105B. Fitte | ed hearing protection was available from the | OPNAVINST 5100.19E B0402E | | | | | |
| - | | ring protective devices (plugs or muffs) were o personnel working in noise hazardous areas. | OPNAVINST 5100.19E B0406A | | | | | |
| | 105D. Hea | ring protection was being worn as required. | OPNAVINST 5100.19E B0402F | | | | | |
| | 106. PROG | RAM ROSTER | | | | | | |

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | | The MDR maintained a roster of all personnel who ly work in designated noise hazardous areas. | OPNAVINST 5100.19E B0402E | | |
| - | designa | The roster of all personnel who routinely work in ted noise hazardous areas was updated at least semiy by the MDR. | OPNAVINST 5100.19E B0409C | | |
| - | audiom | The MDR maintained a tickler file for scheduling etric exams, updated monthly with exam results cant threshold shifts). | OPNAVINST 5100.19E B0409C | | |
| - | 107. TH | RESHOLD SHIFTS | | | |
| - | | Follow-up examinations of personnel with threshold ere conducted. | OPNAVINST 5100.19E B0402D | | |
| - | departr officer. | All permanent threshold shifts reported by medical ment had been logged and reviewed by the safety The log entry must include name, rate or rank, nter, and time onboard. | OPNAVINST 5100.19E B0402B & E | | |
| - | 108. TR | AINING | | | |
| - | personi training | Documentation was available to verify that nel included in hearing conservation received relative to hearing conservation prior to working in azardous areas or with noise hazardous equipment. | OPNAVINST 5100.19E B0408A | | |
| - | perforn (stamp | MDR ensured that annual refresher training was ned in conjunction with the annual audiogram or notation on audiogram that training was ted and date, or must have separate roster). | OPNAVINST 5100.19E B0408B | | |

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | | | |
|----|-------------------------|--|--|-----|-----|-------|--------|
| NE | ОН0080 | HEAT STRESS | | SAT | DEG | UNSAT | NA RBO |
| R | EFERENCES: | OPNAVINST 5100.19 SERIES, NSTM 074(V3), MIF | 9 6641/003, AEL 2-880044260, AEL 2-880044261 | | | | |
| | - 101. AHSS | NSTM, SHIPS DRAWINGS CALIBRATION KIT | | | | | |
| | | | AHSS TECH MANUAL SEC 9.1 | | | | |
| | | SION 5MX HANDHELD COMPUTER, POINTER, CATION CABLE, DB9 NULL PLUG, M/M DB9 HANGER. | | | | | |
| | 101B(2). R | S-232 SERIAL COMMUNICATION CABLE. | | | | | |
| | | TRACEABLE REFERENCE TEMPERATURE USED TO CHECK DB & GT VALUES). | | | | | |
| | | 33% RH & 4 75% RH CALIBRATION SALT BOTTLES CHECK RH VALUES). | | | | | |
| | | LEATHER HOODS (USED TO PROVIDE STABLE MENT FOR CALIBRATION). | | | | | |
| | | HAD THE FOLLOWING ITEMS FROM ON KIT FOR AHSS SENSORS: | AHSS TECH MANUAL SEC 9.1 | | | | |
| | 102. AHSS | DRY BULB (DB) DOCUMENTATION | | | | | |
| | | VERY FOUR HOURS FOR MANNED SPACES IF DB CURES DO NOT EXCEED 85° F. | | | | | |
| | . , | VERY HOUR FOR MANNED SPACES IF DB CURES EXCEEDED 85° F. | | | | | |
| | WHERE TH | VERY HOUR AT TEMPORARY INSTALLATIONS E DB TEMPERATURE EXCEEDS 85° F DURING MAINTENANCE OPERATIONS. | | | | | |
| | THE DB TE STRESS SYS | SPACE SUPERVISOR RECORDED AND REVIEWED MPERATURES FOR THE AUTOMATED HEAT STEM AS PART OF THE CENTRALIZED DATA DN SYSTEM OR AS PRINTED COPIES AS FOLLOWS: | OPNAVINST 5100.19E B0204B3 | | | | |
| | BOX AND (| SPACE SUPERVISOR INITIALED THE APPROPRIATE CHECKED THE APPROPRIATE NOTATION IN THE R LOG (AS REVIEWED FOR THE LAST 30 DAYS). | OPNAVINST 5100.19E B0204B4 | | | | |
| | 103. AHSS | SENSORS | | | | | |
| | STRESS SYS | AIRFLOW MEASURED AT THE AUTOMATED HEAT STEM SENSORS EXCEEDED 600 FPM (SPECIFY BER AND LOCATION). | OPNAVINST 5100.19E B0204B2 | | | | |
| | | BULB THERMOMETERS WERE INSTALLED AT TIONS IN CASE OF POWER LOSS OR SENSOR | OPNAVINST 5100.19E B0204B2 | | | | |
| | (DB, GT, RI | AUTOMATED HEAT STRESS SYSTEM SENSOR H) WAS UNDAMAGED (SPECIFY UNIT NUMBER, ND LOCATION). | OPNAVINST 5100.19E APP B-2-C | | | | |

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| DK | ITEM EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | 103D. THE AUTOMATED HEAT STRESS SYSTEM SENSOR WAS PROVIDING CORRECT READINGS (SPECIFY UNIT NUMBER, SENSOR, AND LOCATION) | OPNAVINST 5100.19E APP B-2-C | | |
| - | 103E. THE LED LIGHTS WERE LIT TO INDICATE THAT THE UNIT HAD POWER (SPECIFY UNIT NUMBER AND LOCATION). | OPNAVINST 5100.19E APP B-2-C | | |
| - | 104. AHSS SURVEYS | | | |
| - | 104A. THE SURVEYOR PRINTED OUT ALL AUTOMATED HEAT STRESS SYSTEM SURVEY READINGS ON A PRE-FORMATED AHSS FORM. | OPNAVINST 5100.19E B0204C3 | | |
| - | 104B. ALL INFORMATION ON THE COMPUTER WAS COPIED ONTO A FORM (APPLICABLE TO SHIPS WITHOUT AN AUTOMATED FORM-INITIAL DDG51 CLASS INSTALLATIONS). | OPNAVINST 5100.19E B0204C3 | | |
| - | 104C(1). DATE AND TIME OF SURVEY | | | |
| - | 104C(2). TIME AND TEMPERATURE FOR THE FOLLOW-ON SURVEY FORM(S) | | | |
| - | 104C(3). STATIONS SURVEYED, INCLUDING WBGT SENSOR READINGS (DB, WB, GT, AND WBGT) FOR EACH STATION AND PHEL CURVE WITH CORRESPONDING EXPOSURE TIME. | | | |
| - | 104C. ALL AHSS COMPUTER PRINTOUT OR SIMILAR FORM CONTAINED THE FOLLOWING: | OPNAVINST 5100.19E B0204C3C | | |
| - | 104D. ALL HEAT STRESS SURVEY SHEETS WERE DELIVERED TO THE MDR. | OPNAVINST 5100.19E B0204C3F | | |
| - | 104E. THE CO INITIALED SURVEY SHEETS AND RETURNED TO APPROPRIATE DH, DAILY, IF APPLICABLE. | OPNAVINST 5100.19E B0204C3F | | |
| - | 104F. AT LEAST ONE WBGT METER WAS AVAILABLE IN THE EVENT THAT THE AHSS SHOULD FAIL, OR IF SURVEYS WERE REQUIRED AT TEMPORARY SITES WITH NO INSTALLED SENSORS. | OPNAVINST 5100.19E B0202A7 | | |
| - | 104G. HEAT STRESS SURVEYOR INVESTIGATED ALL "N" ANSWERS ON AHSS SURVEY SHEETS. | OPNAVINST 5100.19E B0204C3A | | |
| - | 104H. HEAT STRESS SURVEYOR NOTED ANY MATERIAL DEFICIENCIES THAT MAY CONTRIBUTE TO ADVERSE HEAT STRESS CONDITION ON SURVEY SHEET. | OPNAVINST 5100.19E B0204C3D | | |
| - | 104I. THE AVAILABILITY OF DRINKING WATER WAS NOTED ON THE SURVEY SHEET. | OPNAVINST 5100.19E B0204C3D | | |
| - | 104J. HEAT STRESS SURVEY SHEETS WITH PHEL STAY TIMES LESS THAN THE WATCH OR WORK PERIOD WERE CIRCLED IN RED. | OPNAVINST 5100.19E B0204C3A | | |
| - | 104k(1). ALL MANNED WORKSTATIONS WITHIN THE SPACE WHEN THE DRY BULB TEMPERATURE EXCEEDED 100° F (4 HOUR OR LESS WATCH), 90° F (WATCH GREATER THAN 4 HOURS), OR 85° F (PHEL IV - VI). | | | |
| - | 104K(2). IN ANY SPACE WHERE A HEAT INJURY OCCURRED. | | | |
| - | 104k(3). PRIOR TO CONDUCTING ECC DRILLS IF THE DRILL SET EXCEEDED 3 HOURS OR IF IN ALREADY REDUCED STAY TIME CONDITIONS. | | | |
| - | 104k(4). Where the CO determines that a heat stress condition may occur. | | | |

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| DK | ITEM EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | 104K(5). AS REQUIRED FOR A FOLLOW-ON SURVEY. | | | |
| - | 104K. A HEAT STRESS SURVEY WAS CONDUCTED DURING THE FOLLOWING CONDITIONS: | OPNAVINST 5100.19E B0204C4A | | |
| - | 105. DRY BULB READINGS | | | |
| - | 105A(1). EVERY 4 HOURS FOR MANNED SPACES IF DRY BULB TEMPERATURE IS LESS THAN 85° F. | | | |
| - | 105A(2). EVERY HOUR FOR MANNED SPACES IF DRY BULB TEMPERATURE IS GREATER THAN 85° F. | | | |
| - | 105A(3). EVERY HOUR AT TEMPORARY INSTALLATIONS FOR REPAIRS OF MAINTENANCE CONDITIONS IF DRY BULB TEMPERATURE IS GREATER THAN 85° F. | | | |
| - | 105A. DRY BULB TEMPERATURES WERE RECORDED IN POTENTIAL HEAT STRESS AREAS (SPECIFY) AS FOLLOWS: | OPNAVINST 5100.19E B0204B3 | | |
| - | 105B. TEMPERATURE LOGS WERE MAINTAINED, WITH READINGS ABOVE TRIGGER TEMPS CIRCLED IN RED. | OPNAVINST 5100.19E B0204B4A | | |
| - | 106. ALL HANDS TRAINING | | | |
| - | 106A. DOCUMENTATION WAS AVAILABLE TO VERIFY THAT ALL HANDS HAD RECEIVED HEAT STRESS TRAINING UPON REPORTING ABOARD. | OPNAVINST 5100.19E B0206A | | |
| - | 107. HEAT/COLD INJURY REPORT | | | |
| - | 107A. HEAT STRESS INJURY REPORTS, NAVMED 6500-1, WERE FILED/RETAINED/ENTERED IN THE WEB ENABLED SAFETY SYTEM (WESS). | OPNAVINST 5100.19E B0204F | | |
| - | 108. MONITORING THERMOMETERS | | | |
| - | 108A(1). WAS AVAILABLE. | | | |
| - | 108A(2). WAS MOUNTED TO MINIMIZE HEATING OR COOLING EFFECTS FROM CONTACT WITH HOT OR COLD STRUCTURES (NO METAL TO METAL CONTACT). | | | |
| - | 108A(3). WAS MOUNTED CORRECTLY TO MONITOR WATCHSTANDER HEAT EXPOSURE. | | | |
| - | 108A(4). WAS AT LEAST 2 FEET FROM THE SUPPLY VENTILATION TERMINAL/OPENING. | | | |
| - | 108A(5). HAD THE ETCH MARK ALIGNED WITH 32° F. | | | |
| - | 108A. A DRY BULB THERMOMETER (ALCOHOL IN GLASS THERMOMETER - NSN 9G-6685-00-243-9964) TO MONITOR HEAT EXPOSURE IN THE (CITE LOCATION OR SITUATION): | OPNAVINST 5100.19E B0204B1 | | |
| - | 109. PHYSICAL HAZARDS | | | |
| - | 109A(1). SPOT COOLING SUPPLY OPENING WAS MISSING OR UNABLE TO DIRECT AIRFLOW TO WATCHSTANDER LOCATION. | | | |
| - | 109A(2). BARE, HOT METAL SURFACES | | | |
| - | 109A(3). DETERIORATED, CRACKED, WORN, DAMAGED OR MISSING THERMAL INSULATION | | | |
| - | 109A(4). WAS AT LEAST 2 FEET FROM THE SUPPLY VENTILATION TERMINAL/OPENING | | | |

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| - | 109A(5). EXCESSIVE STEAM LEAKS CONTRIBUTED TO HUMIDITY | | | |
| - | 109A. THE FOLLOWING HEAT STRESS PHYSICAL HAZARDS WERE FOUND (CITE LOCATIONS): | OPNAVINST 5100.19E APP B2-B | | |
| - | 110. WBGT METER, MODEL RSS-220 | | | |
| - | 110A. SHIP HAD AT LEAST ONE WBGT METER ONBOARD, FOR SHIP'S WITH AHSS. | OPNAVINST 5100.19E B0202A7 | | |
| - | 110B. SHIP HAD AT LEAST TWO WBGT METERS ONBOARD, FOR SHIP'S WITHOUT AHSS. | OPNAVINST 5100.19E B0202A6 | | |
| - | 110C(1). HAD UNDAMAGED RADIANT BULB | | | |
| - | 110C(2). HAD CLEAN WICK INSTALLED | | | |
| - | 110C(3). WAS CALIBRATED AND WOULD HOLD CHARGE | | | |
| - | 110C(4). HAD SPARE PARTS AVAILABLE | | | |
| - | 110C. WGBT METER, MODEL RSS-220, INSPECTED: | OPNAVINST 5100.19E APP B2-C | | |
| - | 111. WBGT METER, MODEL QUEST 48N | | | |
| - | 111A. SHIP HAD AT LEAST ONE WBGT METER ONBOARD, FOR SHIP'S WITH AHSS. | OPNAVINST 5100.19E B0202A7 | | |
| - | 111B. SHIP HAD AT LEAST TWO WBGT METERS ONBOARD, FOR SHIP'S WITHOUT AHSS. | OPNAVINST 5100.19E B0202A6 | | |
| - | 111C(1). HAD UNDAMAGED RADIANT BULB | | | |
| - | 111C(2). HAD CLEAN WICK INSTALLED | | | |
| - | 111C(3). WAS CALIBRATED AND WOULD HOLD CHARGE | | | |
| - | 111C(4). HAD SPARE PARTS AVAILABLE | | | |
| - | 111C. WGBT METER,QUEST MODEL 84N, INSPECTED: | OPNAVINST 5100.19E APP B2-C | | |
| - | 112. WBGT METER, VISTA MODEL 960 | | | |
| - | 112A. SHIP HAD AT LEAST ONE WBGT METER ONBOARD, FOR SHIP'S WITH AHSS. | OPNAVINST 5100.19E B0202A7 | | |
| - | 112B. SHIP HAD AT LEAST TWO WBGT METERS ONBOARD, FOR SHIP'S WITHOUT AHSS. | OPNAVINST 5100.19E B0202A6 | | |
| - | 112C(1). HAD UNDAMAGED RADIANT BULB | | | |
| - | 112C(2). HAD CLEAN WICK INSTALLED | | | |
| - | 112C(3). WAS CALIBRATED AND WOULD HOLD CHARGE | | | |
| - | 112C(4). HAD SPARE PARTS AVAILABLE | | | |
| - | 112C. WGBT METER, MODEL RSS-960, INSPECTED: | OPNAVINST 5100.19E APP B2-C | | |
| - | 113. WBGT SURVEY DOCUMENTATION | | | |
| - | 113A(1). AT ALL MANNED WATCH/WORKSTATIONS WITHIN THE SPACE WHEN THE DRY BULB TEMPERATURE EXCEEDED: | | | |
| - | 113A(1a). 100° F FOR 4 HOUR OR LESS WATCH. | | | |
| - | 113A(1b). 90° F FOR A WATCH GREATER THAN 4 HOURS | | | |

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| DK | ITEM EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | 113A(1c). 85° F IN AREAS REQUIRING THE USE OF PHEL IV THROUGH VI CRITERIA (SCULLERY PERSONNEL) | | | |
| - | 113A(2). IN ANY SPACE WHEN A HEAT INJURY HAD OCCURRED. | | | |
| - | 113A(3). PRIOR TO CONDUCTING ECC DRILLS IF DRILL SET EXCEEDED 3 HOURS OR IF IN ALREADY REDUCED STAY TIME CONDITIONS. | | | |
| - | 113A(4). WHERE CO DETERMINED THAT A HEAT STRESS CONDITION MAY OCCUR. | | | |
| - | 113A(5). AS REQUIRED FOR FOLLOW-ON SURVEYS. | | | |
| - | 113A. DOCUMENTATION WAS AVAILABLE TO VERIFY THAT WBGT METER HEAT STRESS SURVEYS WERE CONDUCTED: | OPNAVINST 5100.19E B0204C | | |
| - | 113B. AUTOMATED HEAT STRESS SYSTEM WBGT SURVEY SHEETS WERE PRINTED OFF ICAS/COPIED OFF ICAS AND ROUTED THROUGH THE CHAIN OF COMMAND. | OPNAVINST 5100.19E B0204C3B | | |
| - | 114. WBGT SURVEY PQS | | | |
| - | 114A. HEAT STRESS SURVEYORS ASSIGNED TO PERFORM WBGT SURVEYS WERE TRAINED AND QUALIFIED USING SAFETY PETTY OFFICER PQS HEAT STRESS MONITOR WATCHSTATION (43704, CH 2 (2009) Engineering Collaterals and Qualifications), WITHIN 12 WEEKS OF ASSIGNMENT. | OPNAVINST 5100.19E B0206B | | |

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | | | |
|----|--------------------------------------|---|---------------------------------|-----|-----|-------|--------|
| NE | ОН0090 | LEAD | | SAT | DEG | UNSAT | NA RBO |
| RI | FERENCES: | OPNAVINST 5100.19 SERIES, 29 CFR 1910.1025 | | | | | |
| | | NSTM, SHIPS DRAWINGS | | | | | |
| - | 101. COM | PLIANCE PLAN | | | | | |
| - | COMPLIAN | NEED FOR A WRITTEN LEAD CONTROL CE PLAN WAS IDENTIFIED DURING THE L HYGIENE SURVEY, IF LEAD EXPOSURES | OPNAVINST 5100.19E B1005A | | | | |
| - | PLAN TO C | ETY OFFICER ENSURED A WRITTEN COMPLIANCE OMPLY WITH LEAD CONTROL REQUIREMENTS ABLE, IF SPECIFIED IN THE INDUSTRIAL HYGIENE | OPNAVINST 5100.19E B1005B1 & B4 | | | | |
| - | A WRITTEN | SUPPORTING INDUSTRIAL HYGIENIST PREPARED I LEAD COMPLIANCE PLAN FOR PROCESSES OF THE SUPPORT OF THE S | OPNAVINST 5100.19E B1009 | | | | |
| - | 102. ACTIC | N LEVEL TRAINING | | | | | |
| - | ALL PERSO AT OR ABO BASELINE I | CUMENTATION WAS AVAILABLE TO VERIFY THAT NNEL WHO ARE POTENTIALLY EXPOSED TO LEAD, IVE THE ACTION LEVEL AS INDICATED IN THE H SURVEY, AND THEIR SUPERVISORS, WERE RIOR TO ASSIGNMENT AND ANNUALLY ER. | OPNAVINST 5100.19E B1010A | | | | |
| - | ٠, | HE SPECIFIC NATURE OF OPERATION DURING AD EXPOSURE IS POSSIBLE. | | | | | |
| - | | URPOSE, PROPER SELECTION, FIT-TESTING, USE ATIONS OF RESPIRATORS. | | | | | |
| - | | DVERSE HEALTH EFFECTS OF LEAD, TO INCLUDE CTIVE EFFECTS FOR BOTH MALE, FEMALE, AN THE | | | | | |
| - | ` ' | URPOSE AND DESCRIPTION OF MEDICAL NCE PROGRAM TO INCLUDE CHELATING | | | | | |
| - | | NGINEERING CONTROLS AND WORK PRACTICES D DURING LEAD OPERATIONS, TO INCLUDE PPE :NE. | | | | | |
| - | 102B(6). C | ONTENTS OF ANY COMPLIANCE PLAN IN EFFECT. | | | | | |
| - | 102B. LEAU TOPICS: | TRAINING SHALL INCLUDE THE FOLLOWING | OPNAVINST 5100.19E B1010A | | | | |
| - | 103. EVALU | JATION OF LEAD PROCESSES | | | | | |
| - | EVALUATE (FOR EXAM | BASELINE INDUSTRIAL HYGIENE SURVEY D ALL WORKPLACES WHERE LEAD WAS HANDLED IPLE PAINTING AND PRESERVATION, WELDING ID SURFACES, LEAD SOLDER IN 2M AREAS). | OPNAVINST 5100.19E B1005A | | | | |
| - | PLAN FOR | BASELINE IH SURVEY PROVIDED A MONITORING PROCESSES IDENTIFIED AS HAVING A POTENTIAL INNEL LEAD EXPOSURE. | OPNAVINST 5100.19E B1005A | | | | |

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | 104. MED | ICAL SURVEILLANCE | | | |
| - | SCHEDULE PHYSICAL | EDICAL DEPARTMENT REPRESENTATIVE (MDR) ED PERSONNEL FOR BLOOD LEAD ANALYSIS AND EXAMINATIONS AS REQUIRED FOR MEDICAL ANCE AS INDICATED IN THE BASELINE OR OTHER (. | OPNAVINST 5100.19E B1008 | | |
| - | 105. PPE A | AND EQUIPMENT | | | |
| - | CONTROL PLAN, WA | OTECTIVE CLOTHING AND ENGINEERING EQUIPMENT, AS LISTED IN THE LEAD CONTROL S AVAILABLE ONBOARD FOR USE BY PERSONNEL HIPBOARD LEAD WORK. | OPNAVINST 5100.19E B1006C | | |
| - | 106. PAIN | T REMOVAL TRAINING | | | |
| - | | CUMENTATION WAS AVAILABLE TO VERIFY THAT OFFICERS TRAINED PERSONNEL ASSIGNED TO PAINT. | OPNAVINST 5100.19E B1010B | | |

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | | | | |
| NE | OH00100 | OFF-DUTY SAFETY | | SAT | DEG | UNSAT | NA | RBO |
| R | EFERENCES: | OPNAVINST 5100.19 SERIES, OPNAVINST 5100.2 | 5 SERIES | | | | | |
| | | NSTM, SHIPS DRAWINGS | | | | | | |
| - | 101. COOF | RDINATOR ASSIGNED | OPNAVINST 5100.25B | | | | | |
| - | - | OMMAND RECREATION AND OFF-DUTY SAFETY OGRAM MANAGER WAS ASSIGNED IN WRITING. | OPNAVINST 5100.25B PARA 4G2 | | | | | |
| - | _ | RODS PROGRAM MANAGER ATTENDED THE DUNCIL MEETINGS. | OPNAVINST 5100.25B PARA 4E6 | | | | | |
| - | | COMMAND'S RECREATION AND OFF-DUTY OGRAM WAS IMPLEMENTED. | OPNAVINST 5100.25B PARA 4G1 | | | | | |
| - | 102. REC E | QUIP INSPECTIONS | | | | | | |
| - | INSPECTED DEFICIENCE | PBOARD RECREATIONAL/GYM EQUIPMENT WAS D ANNUALLY (WRITTEN REPORT REQUIRED) AND SIES WERE INCLUDED IN THE COMMAND HAZARD NT PROGRAM. | OPNAVINST 5100.25B PARA 5C | | | | | |
| - | 103. TRAIN | NING | | | | | | |
| - | RECREATION | CUMENTATION WAS AVAILABLE TO VERIFY THAT ON AND OFF-DUTY SAFETY (RODS) HAZARD SS TRAINING WAS CONDUCTED AS PART OF D INDOC. | OPNAVINST 5100.25B PARA 6A & 7A | | | | | |
| - | TO ANY HO | OS SAFETY BRIEFINGS WERE CONDUCTED PRIOR DLIDAYS OR EXTENDED WEEKENDS; MILITARY EL RECEIVED TRAINING FOR SEASONAL ACTIVITIES E FAMILIAR WITH OFF-DUTY HAZARDS. | OPNAVINST 5100.25B PARA 6B & C | | | | | |

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | | | |
|----|-------------------------|--|---|-----|-----|-------|--------|
| NE | OH00110 | PPE | | SAT | DEG | UNSAT | NA RBO |
| R | EFERENCES: | OPNAVINST 5100.19 SERIES, 29CFR 1910.135/8, | MIP SERIES 6231/001/2, S-1R, NSTM 670 | | | | |
| | | NSTM, SHIPS DRAWINGS | | | | | |
| | 100. AVAI | | | | | | |
| - | | nmanding Officer ensured that sufficient PPE was properties meet the needs of the command. | OPNAVINST 5100.19E B1202 | | | | |
| - | 102. GLOV | ES | | | | | |
| - | were provi | sonnel working with caustic or toxic materials ded with gloves suitable for handling the material lear plastic, and latex are not approved for use IAT). | OPNAVINST 5100.19E B1203 | | | | |
| - | 102B. Insu hot work. | lated gloves were available for personnel doing | OPNAVINST 5100.19E B1203 | | | | |
| - | protect ag | k personnel were provided with leather gloves to ainst hand injury when handling sharp objects, or banding material. | OPNAVINST 5100.19E B1203 | | | | |
| - | | onnel working with sharp objects such as sheet e provided with leather gloves. | OPNAVINST 5100.19E B1203 | | | | |
| - | | ar or boning gloves were available to personnel e knives in food service stations. | OPNAVINST 5100.19E B1203 | | | | |
| - | were provi | ey personnel working at deep sinks with hot water ded protective golves with elbow-length or eves to prevent hot water burns. | OPNAVINST 5100.19E C1902 29 CFR 1910.138 | | | | |
| - | 103. HARD | HATS | | | | | |
| - | | d hats used by crew members were free from es, paint, or unauthorized modifications. | OPNAVINST 5100.19E B1203 | | | | |
| - | 104. HARI | NESSES AND LANYARDS | | | | | |
| - | provided v | sonnel working aloft or over the side were with a full body safety harness (parachute or crosswith a safety lanyard. | OPNAVINST 5100.19E B1203 | | | | |
| - | (lanyards a | yards and full body harnesses stored properly and harnesses are to be hung to prevent rotting oning of material). | OPNAVINST 5100.19E B1203 | | | | |
| - | | S was not performed on safety harnesses and rior to each use. | OPNAVINST 5100.19E B1203 MIP 6231/002 S-1R | | | | |
| - | 104D. An | EGL was provided for safety harnesses. | MRC 6231/001 S-1R MRC 6231/002 S-1R | | | | |
| - | | ness webbing did not have cuts, fraying, burns, eads or stitching, or more than 40 percent paint. | MRC 6231/001 S-1R MRC 6231/002 S-1R | | | | |
| - | Service" da | ness was permanently marked with a "Placed in ate in a Month/Year format and date entered into tion Equipment Log. | MRC 6231/001 S-1R MRC 6231/002 S-1R | | | | |
| - | 105. TRAII | NING | | | | | |

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
|----|------------------|--|--|--|--|
| - | THAT DIV | OCUMENTATION WAS NOT AVAILABLE TO VERIFY ISION OFFICERS ENSURED THAT PERSONNEL WHO QUIRED TO WEAR OR USE PERSONAL PROTECTIVE ENT WERE ADEQUATELY TRAINED ON THE TYPE PER USE OF PPE. | OPNAVINST 5100.19E B1202 | | |
| - | 106. HAZ | MAT | | | |
| - | HAZMAT extensive | opropriate PPE shall be readily available near stowage areas or where HAZMAT is used sly. Stowage of PPE shall be in clearly labeled or lockers. | OPNAVINST 5100.19E B1202 NSTM 670-1.8.1 | | |

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|----|------------------------|--|---|-----|-----|--------|--------|
| NE | OH00120 | RAD HEALTH | | SAT | DEG | UNSAT | NA RBO |
| RE | FERENCES: | 0 | 14C (MILITARY EXEMPT LASERS), OPNAVINST 5100 TION HEALTH PROTECTION MANUAL), NAVSEA SOA IANUAL) | • | | HAZARD | S |
| | | NSTM, SHIPS DRAWINGS | | | | | |
| - | 101. LASE | R SAFETY PROGRAM | | | | | |
| - | 101A. LAS ASSIGNED. | ER SYSTEMS SAFETY OFFICER (LSSO) WAS | OPNAVINST 5100.19E B0902 | | | | |
| - | 101B. LSS | D WAS TRAINED. | OPNAVINST 5100.19E B0902 | | | | |
| - | | RKERS WERE TRAINED ON POTENTIAL HAZARDS SURES TO LASERS. | OPNAVINST 5100.19E B0902 | | | | |
| - | 101D. PPE LASER. | WAS NOT AVAILABLE BASED ON CLASS OF | OPNAVINST 5100.19E B0902 | | | | |
| - | 101E. LAS | ER HAZARD AREAS WERE LABELED. | OPNAVINST 5100.19E B0902 | | | | |
| - | 102. RADI | ATION SAFETY OFFICER | | | | | |
| - | BY THE CO | DIATION SAFETY OFFICER (RSO) WAS APPOINTED MMANDING OFFICER FOR COMMANDS WITH LUSES OF RADIATION. | OPNAVINST 5100.19E B0902 | | | | |
| - | 103. MED | ICAL SURVEILLANCE | | | | | |
| - | PERSONNE BASELINE I | DICAL SURVEILLANCE WAS PROVIDED FOR IL IN WORK CENTERS IDENTIFIED IN THE NDUSTRIAL HYGIENE SURVEY AS REQUIRING NCE FOR EXPOSURE TO RADIATION. | OPNAVINST 5100.19E B0905 | | | | |
| - | 104. IONIZ | ZING RADIATION SURVEY | | | | | |
| - | | IONIZING RADIATION SURVEY HAD BEEN ED WITHIN PERIODICITY ON THE X-RAY MACHINE DCATION): | OPNAVINST 5100.19E B0903 | | | | |

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| DΚ | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | | | |
|----|------------------------------------|--|--|--------|------|-------|--------|
| ۱E | OH00130 | RESPIRATORY PROTECTION | | SAT | DEG | UNSAT | NA RBO |
| RE | FERENCES: | OPNAVINST 5100.19 SERIES, 29 CFR 1910.134, N | NEHC TM OM 6260 (OCCUPATIONAL MEDICAL SURVEILL | ANCE N | IANU | AL) | |
| | | NSTM, SHIPS DRAWINGS | | | | | |
| - | 101. AIRLI | NE COMPRESSOR AND EQUIPMENT | | | | | |
| - | 101A. AIR MANUFAC | LINE MASKS AND HOSES WERE FROM THE SAME TURER. | OPNAVINST 5100.19E B06061B | | | | |
| - | 101B. AIR FEET. | HOSES USED WITH MASKS WERE LESS THAN 300 | OPNAVINST 5100.19E B06061B | | | | |
| - | | LINE MASKS AND HOSES WERE CLEAN AND NOT RIORATED CONDITION. | OPNAVINST 5100.19E B0609A8 | | | | |
| - | WITH EITH MONITOR | EATHING AIR COMPRESSORS WERE EQUIPPED ER HIGH TEMPERATURE OR CARBON MONOXIDE AND ALARM SYSTEMS, OR BOTH, TO CONTROL MONOXIDE LEVELS. | OPNAVINST 5100.19E B0611E | | | | |
| - | SYSTEMS F | BON MONOXIDE MONITOR AND ALARM FOR BREATHING AIR COMPRESSORS WERE ED IAW MANUFACTURER'S INSTRUCTIONS. | OPNAVINST 5100.19E B0611E | | | | |
| - | 102. RESP | IRATOR FIT-TESTING | | | | | |
| - | | TESTING WAS CONDUCTED PRIOR TO ISSUE AND 'THEREAFTER. | OPNAVINST 5100.19E B0608 | | | | |
| - | | P HAD A GRADUATE OF THE RPM COURSE TO OR SUPERVISE FIT-TESTING | OPNAVINST 5100.19E B0608 | | | | |
| - | ELEMENTS AND SIGNA SIGNATUR | CUMENTATION WAS CORRECT OR LACKING KEY , SUCH AS FIT TEST, WHO CONDUCTED FIT TEST ATURE, DATE, NAME AND RANK OF WEARER, E AND DATE, PASS/FAIL, DIV/DEPT, DATE OF PHA, FIT TEST MEDIUM/AGENT, TYPE OF E/FILTE | OPNAVINST 5100.19E B0608 | | | | |
| - | | TESTING WAS CONDUCTED USING THE CORRECT LIN THE PROPER MANNER. | OPNAVINST 5100.19E APP B6-C | | | | |
| - | 102E. SHII PROTOCOI | P USED CORRECT TYPE FILTER/CARTRIDGE FOR | OPNAVINST 5100.19E APP B6-C | | | | |
| - | 103. HAZA | ARD EVALUATION | | | | | |
| - | REQUIRING | EVALUATION OF ALL HEALTH HAZARDS G THE USE OF A RESPIRATOR HAD BEEN ED DURING BASELINE OR FOLLOW-UP IH SURVEY. | OPNAVINST 5100.19E B0605B | | | | |
| - | 104. RESP | IRATOR ISSUE | | | | | |
| - | RESPIRATO WERE TRA CARE, AND | CUMENTATION WAS AVAILABLE TO VERIFY THAT DRY PROTECTIVE EQUIPMENT ISSUE PERSONNEL INED ON RESPIRATOR SELECTION, FIT TESTING, DIMAINTENANCE PRIOR TO SUCH ASSIGNMENT JALLY THEREAFTER. | OPNAVINST 5100.19E B0612C | | | | |
| - | RESPIRATO TRAINED, I | SONNEL RESPONSIBLE FOR ISSUING ORS ISSUED ONLY TO PERSONNEL WHO WERE MEDICALLY QUALIFIED, AND SUCCESSFULLY FIT- OR THE REQUESTED RESPIRATOR. | OPNAVINST 5100.19E B0602E | | | | |

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| DK | ITEM EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | 105. MEDICAL EVALUATION | | | |
| - | 105A. RESPIRATORS WERE ONLY ISSUED TO INDIVIDUALS WHO HAD A CURRENT ANNUAL PHA. | OPNAVINST 5100.19E B0613A | | |
| - | 105B. DOCUMENTATION ON MEDICAL SCREENING WAS INCOMPLETE IN CASES WHERE FORMAL RESPIRATOR CERTIFICATION WAS NECESSARY. | OPNAVINST 5100.19E B0613B | | |
| - | 106. PROGRAM ROSTER | | | |
| - | 106A. THE RPM HAD A ROSTER OF PERSONNEL ENROLLED IN RESPIRATORY PROTECTION PROGRAM. | OPNAVINST 5100.19E B0602B4 | | |
| - | 107. RESPIRATOR PROGRAM MANAGER (RPM) | | | |
| - | 107A. THE RESPIRATOR PROGRAM MANAGER (RPM) WAS NOT APPOINTED AND DESIGNATED IN WRITING. | OPNAVINST 5100.19E B0602A | | |
| - | 107B. RESPIRATOR PROGRAM MANAGER (RPM) DID NOT COMPLETE REQUIRED TRAINING WITHIN THREE MONTHS OF ASSUMING THE POSITION. RPM'S SHALL ATTEND RPPM COURSE A-493-0072. | OPNAVINST 5100.19E B0602B1 | | |
| - | 107C. THE RESPIRATOR PROGRAM MANAGER DID NOT CONDUCT AN ANNUAL AUDIT OF THE RESPIRATOR PROGRAM. | OPNAVINST 5100.19E B0602B9 & B0603L | | |
| - | 108. RESPIRATORS | | | |
| - | 108A. THE SHIP HAD A SUFFICIENT SUPPLY OF NIOSH APPROVED RESPIRATORS, SPARE PARTS, AND EXPENDABLE SUPPLIES TO CONDUCT ROUTINE AND EMERGENCY OPERATIONS. | OPNAVINST 5100.19E B0602B3 | | |
| - | 108B. SHIP HAD A CENTRAL CONTROL POINT FOR ISSUING AND MAINTAINING RESPIRATORS. | OPNAVINST 5100.19E B0602B6 | | |
| - | 108C. RESPIRATORS WERE NOT FOUND ADRIFT OR OBSERVED BEING USED INCORRECTLY. (LIST LOCATION OR SITUATION OBSERVED) | OPNAVINST 5100.19E B0602B6 | | |
| - | 109. RESPIRATOR SELECTION | | | |
| - | 109A. RESPIRATORS AND CARTRIDGES WERE SELECTED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE CURRENT INDUSTRIAL HYGIENE SURVEY. | OPNAVINST 5100.19E B0605B | | |
| - | 110. RESPIRATOR STORAGE, CLEANING, AND MAINTENANCE | | | |
| - | 110A. RESPIRATOR FACEPIECES WERE PROPERLY CLEANED AND SANITIZED. | OPNAVINST 5100.19E B0609B | | |
| - | 110B. RESPIRATOR SPARE PARTS WERE NOT MAINTAINED TO REPAIR RESPIRATOR FACEPIECES. | OPNAVINST 5100.19E B0609B6 | | |
| - | 110C. RESPIRATORS WERE PROPERLY STORED (FACEPIECES STORED FLAT AND KEPT IN PLASTIC BAGS). | OPNAVINST 5100.19E B0609B7 & 8 | | |
| - | 111. RESPIRATOR USER TRAINING | | | |
| - | 111A. DOCUMENTATION WAS AVAILABLE TO VERIFY THAT PERSONNEL WHO USED RESPIRATORS WERE TRAINED ON RESPIRATOR SELECTION, PROPER FIT AND WEARING, USE, CARE, CLEANING, AND MAINTENANCE PRIOR TO INITIAL USE AND ANNUALLY THEREAFTER. | OPNAVINST 5100.19E B0612A | | |

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | 112. RESP | IRATOR PROGRAM EVALUATION | | | |
| - | ANNUALLY | ERESPIRATOR PROGRAM WAS EVALUATED '. A CHECKLIST IS PROVIDED IN OPNAVINST APPENDIX B6-A. | OPNAVINST 5100.19E B0612A | | |
| - | CONDUCTI | ESPIRATOR PROGRAM EVALUATION WAS ED BY THE INDUSTRIAL HYGIENE OFFICE NG PERIODIC BASELINE OR INDUSTRIAL HYGIENE | OPNAVINST 5100.19E B0603L | | |

SURVEYS.

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | | | |
|----|-------------------------------------|---|---|-------|--------|---------|--------|
| NE | OH00140 | SIGHT CONSERVATION | | SAT | DEG | UNSAT | NA RBO |
| R | EFERENCES: | OPNAVINST 5100.29 SERIES, NSTM 631, 074 , SH TYPE I, CLASS I (HEAVY), MIL-C-24576, TYPE I, CL | IP SPEC 631, NAVSEA MIL SPEC MIL-C-24576 (SH) OF 27 . ASS II (LIGHT) | UL 87 | , MIL- | C-24576 | |
| | | NSTM, SHIPS DRAWINGS | | | | | |
| | 101. EYE F | AZARD LIST | | | | | |
| | PROCESSES | SAFETY OFFICER MAINTAINED A LIST OF AREAS, S AND OPERATIONS WHICH REQUIRE EYE ON, AND AREAS THAT REQUIRE AN EYE WASH OR OWER. | OPNAVINST 5100.19E B0502 | | | | |
| | WHICH REC | ST OF AREAS, PROCESSES AND OPERATIONS QUIRE EYE PROTECTION, AND AREAS THAT N EYE WASH OR DELUGE SHOWER WAS IN THE BASELINE INDUSTRIAL HYGIENE SURVEY. | OPNAVINST 5100.19E B0504 | | | | |
| | 102. EYE ⊢ | AZARD MARKINGS | | | | | |
| | WITH A CA | EYE HAZARD AREA WAS PROPERLY MARKED UTION SIGN STATING "CAUTION EYE ON REQUIRED IN THIS AREA" ABOVE THE SPECIFIC NSN 9Q/9905-01-100-8203). | OPNAVINST 5100.19E B0504 | | | | |
| | WAS NOT I YELLOW ST PAINTED. | DECK AROUND AN IMMEDIATE EYE HAZARD PROPERLY MARKED WITH A 3-INCH BLACK AND RIPED OR CHECKERBOARD TAPE OR SIMILARLY NSN FOR TAPE IS 9Q/9905-01-342-5933 DR 9Q/9905-01-342-5934 (CHECKERED). | OPNAVINST 5100.19E B0504 | | | | |
| | 103. PROG | RAM EVALUATION | | | | | |
| | | SIGHT CONSERVATION PROGRAM WAS D ANNUALLY BY SAFETY OFFICER. | OPNAVINST 5100.19E B0502 | | | | |
| | 104. SAFE | TY EYEWEAR | | | | | |
| | 104A(1). W | ERE STAMPED "Z87" OR "Z87+". | OPNAVINST 5100.19E B0502 | | | | |
| | - 104A(2). V UNDAMAG | VERE IN GOOD CONDITION (CLEAN AND ED). | OPNAVINST 5100.19E B0506 | | | | |
| | 104A(3). V | VERE AVAILABLE AND BEING USED AS NECESSARY. | OPNAVINST 5100.19E B0506 | | | | |
| | THE HAZAF | VERE THE CORRECT TYPE OF PROTECTION FOR ID (SUCH AS FACE SHEILDS WITH SAFETY R GOGGLES IF REQUIRED). | OPNAVINST 5100.19E B0502 | | | | |
| | PRESCRIPT CHIPPING (GOGGLES, | TECTIVE EYEWEAR (SAFETY GLASSES, ION SAFETY GLASSES, GOGGLES, FACE SHIELDS, GOGGLES, WELDING HELMETS, WELDING FACE SHIELDS), BOTH CORRECTIVE AND NON- 'E, IN THE FOLLOWING LOCATIONS WERE: | | | | | |
| | 105. SIGH | CONSERVATION TRAINING | | | | | |
| | THE DIVISION CONDUCTE WORKCEN | CUMENTATION WAS AVAILABLE TO VERIFY THAT ON OFFICER OR WORKCENTER SUPERVISOR ED TRAINING FOR PERSONNEL ASSIGNED TO TERS WITH EYE HAZARDOUS AREAS OR S AT THE TIME THAT PROTECTIVE EYE WEAR WAS | OPNAVINST 5100.19E B0509 | | | | |

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | | |
| - | 106 UV RE | FLECTION HAZARD | | | | |
| - | THE OVERI SURFACE) TO MINIM | KHEADS, LOCKERS, REFLECTIVE SURFACES, AND HEAD (LINE OF SIGHT OF WELDING TABLE IN WELDING AREA WERE PAINTED FLAT BLACK IZE PERSONNEL EXPOSURE TO REFLECTED LET LIGHT FROM THE WELDING ARC. (TABLE 631- | NSTM 631-8.23.8.2 | | | |
| - | 107. WELD | DING CURTAIN | | | | |
| - | 107A. WA | S PROVIDED FOR WELDING AREA. | OPNAVINST 5100.19E C1102B1E | | | |
| - | 107B. FUL | LY ENCLOSED THE WELDING AREA. | NSTM 074-10.8.3.6 | | | |
| - | 107C. WA | S NAVSEA APPROVED MATERIAL. | OPNAVINST 5100.19E C1102 | | | |
| - | 107D. WA | S NOT TORN OR IN A DETERIORATED CONDITION. | NSTM 074-10.8.3.6 | | | |

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | | | | |
|----|------------------------|---|------------------------------|-----|-----|-------|----|-----|
| NE | ОН00150 | SAFETY MANAGEMENT | | SAT | DEG | UNSAT | NA | RBO |
| RI | EFERENCES: | OPNAVINST 5100.19 SERIES, OPNAVINST 5102.1 | SERIES | | | | | |
| | | NSTM, SHIPS DRAWINGS | | | | | | |
| - | 101. ACCIE | ENT AND INJURY REPORTS | | | | | | |
| - | 101A. ACC | IDENT/INJURY REPORTS WERE PROVIDED TO Y OFFICER. | OPNAVINST 5100.19E A0203D3 | | | | | |
| - | | SAFETY OFFICER MAINTAINED A FILE OF ALL PORTS (5 YEARS WORTH REQUIRED TO BE ON | OPNAVINST 5102.1D ART 3011.1 | | | | | |
| - | 102. INDU | STRIAL HYGIENE SURVEYS | | | | | | |
| - | | BASELINE INDUSTRIAL HYGIENE (IH) SURVEY CONDUCTED. | OPNAVINST 5100.19E A0203B3 | | | | | |
| - | | SHIP HAD RECEIVED THE FINAL BASELINE L HYGIENE REPORT. | OPNAVINST 5100.19E A0203B3 | | | | | |
| - | 102C. THE REPORT. | SHIP HELD A COPY OF THE BASELINE IH SURVEY | OPNAVINST 5100.19E A0203B3 | | | | | |
| - | - | UPDATE OF THE INDUSTRIAL HYGIENE SURVEY CONDUCTED WITHIN THE PAST 2 YEARS. | OPNAVINST 5100.19E A0304E | | | | | |
| - | 102E. THE HYGIENE R | SHIP HAD RECEIVED THE UPDATED INDUSTRIAL EPORT. | OPNAVINST 5100.19E A0304E | | | | | |
| - | 102F. THE REPORT. | SHIP HELD A COPY OF THE UPDATED IH SURVEY | OPNAVINST 5100.19E A0304E | | | | | |
| - | 103. INDU: | STRIAL HYGIENE SURVEY (REQUIRED ELEMENTS) | | | | | | |
| - | | AILED WORKCENTER HAZARD EVALUATION PROCESSES AND CONTAMINANTS). | OPNAVINST 5100.19E A0304D1 | | | | | |
| - | 103B. EVA | LUATION AND DESIGNATION OF POTENTIAL SS AREAS. | OPNAVINST 5100.19E A0204B1 | | | | | |
| - | 103C. SAN | 1PLING RESULTS. | OPNAVINST 5100.19E A0304D2 | | | | | |
| - | 103D. RO | JTINE MONITORING LIST. | OPNAVINST 5100.19E A0304D2 | | | | | |
| - | | ESSMENT OF THE EFFECTIVENESS OF EXHAUST ON SYSTEMS IN OCCUPATIONAL HEALTH SPACES. | OPNAVINST 5100.19E A0304D3 | | | | | |
| - | 103F. REC | OMMENDED PPE. | OPNAVINST 5100.19E A0304D5 | | | | | |
| _ | 103G. LIST | OF NOISE HAZARDOUS AREAS/PROCESSES. | OPNAVINST 5100.19E A0304D5A | | | | | |
| - | | OF EYE HAZARDOUS AREAS/PROCESSES AND NDED EMERGENCY EYEWASH/SHOWER S. | OPNAVINST 5100.19E A0304D5B | | | | | |
| - | | OF EACH AREA/PROCESS REQUIRING PRY PROTECTION AND THE RECOMMENDED | OPNAVINST 5100.19E A0304D5C | | | | | |
| - | 103J. WRI | TTEN RESPIRATOR PROGRAM EVALUATION. | OPNAVINST 5100.19E B0602B2 | | | | | |
| - | 103K. ME | DICAL SURVEILLANCE REQUIREMENTS. | OPNAVINST 5100.19E A0304D6 | | | | | |

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | 104. HAZA | ARD ABATEMENT PROGRAM | | | |
| - | FROM INS | E SAFETY OFFICER UTILIZED DISCREPANCY SHEETS PECTIONS, SURVEYS AND OTHER SOURCES TO HAZARDS AND ENTER THEM INTO THE HAZARD NT TRACKING LOG. | OPNAVINST 5100.19E A0404D | | |
| - | 104B(1). | DATE | | | |
| - | 104B(2). | TIME | | | |
| - | 104B(3). | LOCATION AND DESCRIPTION OF HAZARD | | | |
| - | 104B(4). | RAC | | | |
| - | | RECOMMENDED ACTION TO CONTROL OR E HAZARD | | | |
| - | 104B(6). | ACTUAL CORRECTIVE ACTION | | | |
| - | 104B(7). | VERIFICATION AND DATE HAZARD CORRECTED. | | | |
| - | | E HAZARD ABATEMENT LOG DID NOT NTED THE FOLLOWING: | OPNAVINST 5100.19E A0404D1 - 5 | | |
| - | 104C. DO HAZARDS | CUMENTATION WAS AVAILABLE TO TRACK | OPNAVINST 5100.19E A0404D | | |
| - | 104D. CO COMPLET | RRECTIVE ACTIONS WERE TRACKED TO ION. | OPNAVINST 5100.19E A0404D5 | | |
| - | 104E. IDE CSMP. | NTIFIED HAZARDS WERE ENTERED INTO THE | OPNAVINST 5100.19E A0404B | | |
| - | - | E SAFETY OFFICER REVIEWED THE CSMP SAFETY NTRIES FORWARDED BY THE 3M COORDINATOR. | OPNAVINST 5100.19E A0404B | | |
| - | 105. ENLIS | STED SAFETY COMMITTEE | | | |
| - | | LISTED SAFETY COMMITTEE MET AT LEAST LY (OR AS REQUIRED IN THE SHIP'S OWN ION). | OPNAVINST 5100.19E A0203I | | |
| - | 105B. SAI | EETY OFFICER WAS THE CHAIRPERSON OF THE EE. | OPNAVINST 5100.19E A0203C11 | | |
| - | | . DIVISIONS CONSISTENTLY PARTICIPATED IN THE SAFETY COMMITTEE. | OPNAVINST 5100.19E A0203I | | |
| - | 105D. EA | CH DIVISION WAS REPRESENTED. | OPNAVINST 5100.19E A0203I | | |
| - | 105E. THI MEETINGS | E CMAA ATTENDED THE SAFETY COMMITTEE S. | OPNAVINST 5100.19E A0203I | | |
| - | | ETY COMMITTEE MINUTES (OR WRITTEN ISSUES DIMMENDATIONS) WERE PROVIDED TO THE DUNCIL. | OPNAVINST 5100.19E A0203I3 | | |
| - | | MMITTEE MEETING MINUTES WERE MAINTAINED | OPNAVINST 5100.19E A0203I | | |
| - | 106. SAFE | TY HAZARD REPORTS | | | |
| - | | FETY HAZARD REPORTS WERE BEING USED TO NT HAZARDS. | OPNAVINST 5100.19E A0302B & A030 | 7B | |

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| DK | ITEM EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | 106B. DIVISION SAFETY PETTY OFFICERS SUBMITTED HAZARD REPORTS TO SAFETY OFFICER FOR SAFETY HAZARDS FOUND IN DIVISION SPACES. | OPNAVINST 5100.19E A0203G1 | | |
| - | 106C. HAZARD REPORTS WERE ANNOTATED WITH CORRECTIVE ACTIONS OR INTERIM CORRECTIVE MEASURES. | OPNAVINST 5100.19E A0405A | | |
| - | 106D. THE SAFETY OFFICER APPROVED INTERIM CONTROLS ON THE SAFETY HAZARD REPORT THAT WERE IN EFFECT FOR MORE THAN 60 DAYS. | OPNAVINST 5100.19E A0405A | | |
| - | 106E. THE COMMANDING OFFICER WAS NOTIFIED FOR UNABATED SAFETY HAZARDS REQUIRING INTERIM CORRECTIVE MEASURES THAT HAD A RISK ASSESSMENT CODE OF 1 OR 2. | OPNAVINST 5100.19E A0405B | | |
| - | 106F. HAZARD REPORT FORMS (OPNAV 3120/5) WERE AVAILABLE TO ALL HANDS. | OPNAVINST 5100.19E A0307B | | |
| - | 106G. WHEN REPORTS WERE SUBMITTED BY CREW MEMBERS, CONDITIONS WERE INVESTIGATED AND RESPONSES WERE PROVIDED PROMPTLY (WITHIN 10 DAYS). | OPNAVINST 5100.19E A0307E | | |
| - | 106H. RESPONSES TO APPEALS, REGARDING CONDITIONS REPORTED TO THE COMMANDING OFFICER, WERE PROVIDED PROMPTLY (WITHIN 10 DAYS). | OPNAVINST 5100.19E A0307G | | |
| - | 107. MEDICAL SURVEILLANCE | | | |
| - | 107A. MEDICAL SURVEILLANCE WAS PROVIDED FOR PERSONNEL ASSIGNED TO DUTIES INVOLVING CHT AND/OR OTHER OCCUPATIONAL EXPOSURES AS INDICATED IN THE IH SURVEY REPORT (SPECIFY). | OPNAVINST 5100.19E A0203D5 OPNAVINST 5100.19E A0310B & E OPNAVINST 5100.19E C1502A6 | | |
| - | 108. SAFETY AND OCCUPATIONAL HEALTH TRAINING | | | |
| - | 108A. ALL PERSONNEL RECEIVED SAFETY AND OCCUPATIONAL HEALTH (SOH) PROGRAM TRAINING UPON REPORTING ABOARD AND ANNUALLY THEREAFTER. | OPNAVINST 5100.19E A0503C OPNAVINST 5100.19E APP A5-A | | |
| - | 108B. THE SAFETY OFFICER ENSURED THAT ALL SOH TRAINING TOPICS FROM APPENDIX A5-A WERE CONDUCTED. | OPNAVINST 5100.19E A0503C OPNAVINST 5100.19E APP A5-A | | |
| - | 108C. DOCUMENTATION WAS AVAILABLE FOR ALL HANDS/I-DIV SOH TRAINING. | OPNAVINST 5100.19E A0503G | | |
| - | 108D(1). INTRODUCTION OF THE SOH PROGRAM AND IDENTIFICATION OF KEY PERSONNEL, CHAIN OF COMMAND AND MISHAP REPORTING. | | | |
| - | 108D(2). HAZARD IDENTIFICATION AND ORM. | | | |
| - | 108D(3). SAFETY PRECAUTIONS AND STANDARDS. | | | |
| - | 108D(4). SAFETY WARNINGS, SIGNS, AND DECK MARKINGS. | | | |
| - | 108D(5). MISHAP PREVENTION AND REPORTING SAFETY HAZARDS. | | | |
| - | 108D(6). HAZARDOUS MATERIALS SPILL RESPONSE TRAINING. | | | |
| - | 108D(7). OIL SPILL EMERGENCY SPILL RESPONSE TRAINING. | | | |
| - | 108D. SOH INDOCTRINATION TRAINING INCLUDED THE FOLLOWING SEVEN AREAS: | OPNAVINST 5100.19E A0503D1 - 7 | | |

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| DK | ITEM EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | 109. SAFETY COUNCIL | | | |
| - | 109A. COUNCIL MET AT LEAST QUARTERLY. | OPNAVINST 5100.19E A0203H | | |
| - | 109B. CO WAS THE CHAIRPERSON. | OPNAVINST 5100.19E A0203B7 | | |
| - | 109C. ALL REQUIRED PERSONNEL ATTENDED COUNCIL MEETINGS. | OPNAVINST 5100.19E A0203H | | |
| - | 109D. MEETING MINUTES WERE MAINTAINED BY THE SAFETY OFFICER. | OPNAVINST 5100.19E A0203H | | |
| - | 109E. MEETING MINUTES WERE REVIEWED/APPROVED BY COMMANDING OFFICER. | OPNAVINST 5100.19E A0203H | | |
| - | 110. SAFETY OFFICER TRAINING | | | |
| - | 110A. THE SAFETY OFFICER EITHER ATTENDED THE AFLOAT SAFETY OFFICER COURSE (A-4J-0020) OR WAS A GRADUATE OF SURFACE WARFARE OFFICER SCHOOL DEPARTMENT HEAD COURSE PRIOR TO, OR WITHIN SIX MONTHS OF, ASSUMING DUTY. | OPNAVINST 5100.19E A0503A | | |
| - | 110B. THE SAFETY OFFICER COMPLETED THE NAVAL SAFETY SUPERVISOR COURSE (NAVEDTRA 14167) IF FORMAL TRAINING HAD NOT BEEN COMPLETED. | OPNAVINST 5100.19E A0503A | | |
| - | 111. SAFETY OFFICER | | | |
| - | 111A. A COMMAND PRIMARY OR COLLATERAL DUTY SAFETY OFFICER WAS DESIGNATED BY THE COMMANDING OFFICER (EITHER IN WRITING OR ON THE COLLATERAL DUTY LIST). | OPNAVINST 5100.19E A0203B2 | | |
| - | 112. SAFETY TRENDS | | | |
| - | 112A. DOCUMENTATION WAS AVAILABLE TO VERIFY THAT THE SAFETY OFFICER MAINTAINED AND ANALYZED SOH RECORDS (INJURY REPORTS, HAZARD REPORTS, & MISHAP STATISTICS) TO DETERMINE TRENDS. | OPNAVINST 5100.19E A0203C6 | | |
| - | 113. SAFETY PETTY OFFICER ASSIGNMENT | | | |
| - | 113A. A SENIOR PETTY OFFICER (E-5 OR ABOVE) WAS APPOINTED AS THE DIVISION SAFETY PETTY OFFICER FOR EACH DIVISION. | OPNAVINST 5100.19E A0203E6 | | |
| - | 114. SAFETY PETTY OFFICER FORMAL TRAINING | | | |
| - | 114A. 50% OF DIVISION SAFETY PETTY OFFICERS HAD ATTENDED THE SAFETY PROGRAMS AFLOAT COURSE (A-493-2099) OR THE AVIATION SAFETY SPECIALIST COURSE (A-493-0065) PRIOR TO, OR WITHIN 6 MONTHS OF, ASSUMING THEIR DUTIES (OF HAD ATTENDED TRAINING). | | | |
| - | 115. SAFETY PETTY OFFICER PQS TRAINING | | | |
| - | 115A. 100% OF DIVISION SAFETY PETTY OFFICERS HAD COMPLETED WATCH STATION 301 OF THE SAFETY PROGRAMS AFLOAT PQS (NAVEDTRA 43460-4B) WITHIN SIX MONTHS OF BEING ASSIGNED DUTIES (OF HAD COMPLETED THE PQS). | OPNAVINST 5100.19E A0503B | | |

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
|----|-------------------------|---|---|--|--|
| - | COMPLETI (NAVEDTR | 0% OF DIVISION SAFETY PETTY OFFICERS HAD ED THE NAVAL SAFETY SUPERVISOR COURSE (A 14167) WITHIN SIX MONTHS OF BEING DUTIES (OF HAD COMPLETED THE | OPNAVINST 5100.19E A0503B | | |
| - | 116. SAFE | TY STAND-DOWN | | | |
| - | THE COM | CUMENTATION WAS AVAILABLE TO VERIFY THAT MAND HAD CONDUCTED AT LEAST ONE SAFETY OWN WITHIN THE PAST YEAR | OPNAVINST 5100.19E A0503F | | |
| - | 117. WES | S MISHAP REPORTING SYSTEM | | | |
| - | | E COMMAND HAD DESIGNATED A SAFETY Y TO MANAGE WESS MISHAP REPORTING. | OPNAVINST 5100.19E A0203B8A OPNAVINST 5102.1D ART 3007.1B1 | | |
| - | | ERY PERSON WHO USES THE WESS SYSTEM HAD N PASSWORD. | OPNAVINST 5102.1D ART 3007.1E1 | | |
| - | | E COMMAND WAS USING WESS (EITHER ON LINE D EMAIL) TO REPORT THEIR MISHAPS. | OPNAVINST 5102.1D ART 3007.1 | | |
| - | | SS REPORTS WERE SUBMITTED WITHIN 30 DAYS P OCCURRENCE. | OPNAVINST 5102.1D ART 3007.1H | | |
| - | REVIEW FO | SHAP RECORDS WERE RETAINED/AVAILABLE FOR OR THE LAST FIVE YEARS FOLLOWING THE END OF NDAR YEAR IN WHICH THEY OCCURRED. | OPNAVINST 5102.1D ART 3011.1 | | |
| - | 118. WESS | MISHAP REPORTS | | | |
| - | | REPORTABLE MISHAPS WERE INVESTIGATED, D, OR REPORTED AS REQUIRED. | OPNAVINST 5102.1D ART 3004 | | |
| - | | SHAP REPORTS WERE SUBMITTED FOR ALL S/INJURIES AS REQUIRED. | OPNAVINST 5102.1D ART 3004 | | |
| - | 119. ON/C | OFF DUTY INJURY LOG | | | |
| - | | OG OF ON/OFF DUTY INJURIES FOR MILITARY EL WAS MAINTAINED. | OPNAVINST 5102.1D ART 3008 | | |
| - | 119B. LO | S ENTIRES WERE REPORTED VIA WESS. | OPNAVINST 5102.1D ART 3008 | | |
| - | 119C. TH | E LOG HAD ENTIRES FOR ALL REQUIRED FIELDS. | OPNAVINST 5102.1D FIG 3-1 | | |
| - | 120. WOF | RKPLACE SAFETY INSPECTIONS | | | |
| - | A SAFETY I SPACE ABO | CUMENTATION WAS AVAILABLE TO VERIFY THAT NSPECTION WAS CONDUCTED FOR EVERY WORK DARD THE SHIP WITHIN THE PAST YEAR (MAY BE ED AS PART OF THE ZONE INSPECTION PROGRAM) | OPNAVINST 5100.19E A0302A | | |
| - | | SULTS OF SAFETY INSPECTIONS WERE RETAINED FETY OFFICER FOR 2 YEARS. | OPNAVINST 5100.19E A0302A | | |
| - | 121. PRO | GRAM SELF ASSESSMENTS | | | |
| - | | F ASSESSMENTS OF ALL SAFETY PROGRAMS NDUCTED AT LEAST ANNUALLY. | OPNAVINST 5100.19E A0303 | | |
| - | | COMPLISHMENT OF REQUIRED SAFETY TRAINING OF THE ANNUAL SAFETY SELF ASSESSMENT. | OPNAVINST 5100.19E A0503G | | |
| - | | PIES OF SELF ASSESSMENT RESULTS WERE BY THE SAFETY OFFICER FOR 2 YEARS. | OPNAVINST 5100.19E A0303 | | |

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| | | | E | Effective Date of Checklist: | 01-Feb-13 |
|----|-----------------------------|---|--|------------------------------|-----------|
| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | SAFETY | ELF ASSESSMENT RESULTS WERE PROVIDED TO THE COUNCIL/SAFETY COMMITTEE ALONG WITH OF ANY CORRECTIVE ACTIONS. | OPNAVINST 5100.19E A0303 | | |
| - | 122. SA | FETY SURVEYS | | | |
| - | | AVAL SAFETY CENTER SAFETY SURVEY HAD BEEN CTED WITHIN THE PAST 24 MONTHS. | COMNAVSAFCEN MSG DTG 201437ZOCT | 11 | |
| - | 123. OF | ERATIONAL RISK MANAGEMENT | | | |
| - | | HE EXECUTIVE OFFICER WAS DESIGNATED AS THE OGRAM MANAGER. | OPNAVINST 3500.39 (SERIES) PARA 7H3 | | |
| - | THE FOL COURSE SAFETY | INSTRUCTORS MUST HAVE COMPLETED ONE OF LOWING: ORM APPLICATION AND INTEGRATION; AVIATION SAFETY OFFICER COURSE; AVIATION COMMAND COURSE; SURFACE WARFARE OFFICER; OR SUBMARINE OFFICER ADVANCED COURSE. | | | |
| - | _ | HE SHIP HAD ONE OFFICER AND ONE SENIOR D QUALIFIED AS ORM INSTRUCTORS. | OPNAVINST 3500.39 (SERIES) PARA 7H3A | | |
| - | | RM TRAINING WAS CONDUCTED DURING ND ORIENTATIONS AND INDOCTRINATION G. | OPNAVINST 3500.39 (SERIES) PARA 7H3A OPNAVINST 5100.19E A0503D2 | 3 | |
| - | | ORM TRAINING WAS DOCUMENTED IN MEMBER'S G RECORD. | OPNAVINST 3500.39 (SERIES) PARA 7H3A | 5 | |
| - | | HE SHIP CONDUCTED AN ORM PROGRAM TION USING THE OPNAV 3502/3 ORM PROGRAM | OPNAVINST 3500.39 (SERIES) ENCL 4 | | |

ASSESSMENT SHEET AT LEAST ANNUALLY.

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | | | |
|----|-------------------------------------|--|--|---------|-------|----------|--------|
| NE | OH00160 | TRAFFIC SAFETY | | SAT | DEG | UNSAT | NA RBO |
| R | EFERENCES: | OPNAVINST 5100.19 SERIES, OPNAVINST 5100.1 MSG DTG 081329ZDEC11 | 2 SERIES, CNO MSG DTG 271314ZAPR10, CNO MSG DT | G 04184 | 5ZNO\ | /08, CNC |) |
| | | NSTM, SHIPS DRAWINGS | | | | | |
| | 101. ALL H | ANDS TRAINING | | | | | |
| - | | AL TRAFFIC SAFETY ORIENTATION WAS AS PART OF COMMAND CHECK-IN BRIEFINGS. | OPNAVINST 5100.12J PARA 6J6 | | | | |
| - | TRAFFIC SA | UMENTATION WAS AVAILABLE TO VERIFY THAT FETY BRIEFS WERE PROVIDED PRIOR TO MAJOR EXTENDED WEEKENDS, OR LIBERTY PERIODS. | OPNAVINST 5100.12J PARA 6J7 | | | | |
| - | | ARY PERSONNEL AGE 25 AND UNDER RECEIVED HOURS OF ANNUAL REFRESHER TRAFFIC SAFETY | OPNAVINST 5100.12J PARA 8A | | | | |
| | 102. COOR | DINATOR ASSIGNED | | | | | |
| | 102A. THE ESTABLISH | COMMAND'S TRAFFIC SAFETY PROGRAM WAS ED. | OPNAVINST 5100.12J PARA 6J1 | | | | |
| - | COORDINA | MMAND TRAFFIC SAFETY PROGRAM TOR WAS ASSIGNED, IN WRITING, BY THE DING OFFICER. | OPNAVINST 5100.12J PARA 6J16 | | | | |
| | 103. DRIVE | R IMPROVEMENT TRAINING | | | | | |
| - | THAT ALL I HOURS PE APPROVED | VICE RECORD ENTRY WAS AVAILABLE TO VERIFY PERSONNEL OPERATING GMV'S MORE THAN 8 R WEEK HAD ATTENDED A NAVSAFECEN 8-HOUR DRIVER IMPROVEMENT PROGRAM RIOR TO ASSIGNMENT. | OPNAVINST 5100.12J PARA 10A | | | | |
| | THAT PERS | VICE RECORD ENTRY WAS AVAILABLE TO VERIFY ONNEL DRIVING A GMV AND CONVICTED OF A RAFFIC VIOLATION OR MISHAP HAD ATTENDED A EN-APPROVED DRIVER IMPROVEMENT COURSE. | OPNAVINST 5100.12J PARA 10B | | | | |
| - | THAT PERS | VICE RECORD ENTRY WAS AVAILABLE TO VERIFY ONNEL DRIVING A PMV AND CONVICTED OF A RAFFIC VIOLATION OR MISHAP HAD ATTENDED A EN-APPROVED DRIVER IMPROVEMENT COURSE. | OPNAVINST 5100.12J PARA 10B | | | | |
| - | THAT DRIV OTHER LAI PASSENGE | EVICE RECORD ENTRY WAS AVAILABLE TO VERIFY ERS WHO OPERATE 15 PASSENGER VANS AND REGE VEHICLES CAPABLE OF CARRYING RS WERE PROVIDED TRAINING CONCERNING THE ANDLING CHARACTERISTICS AND HAZARDS. | OPNAVINST 5100.12J PARA 10C | | | | |
| - | THAT DRIV SUCCESSFU LOCAL JUR | VICE RECORD ENTRY WAS AVAILABLE TO VERIFY ERS OF NAVY OWNED SCHOOL BUSES JULY COMPLETED A HOST NATION, STATE, OR ISDICTION APPROVED SCHOOL BUS OPERATOR PROGRAM. | OPNAVINST 5100.12J PARA 10D | | | | |
| - | 104. MOTO | DRCYCLE OPERTOR ROSTER | | | | | |
| | AND USING | ORCYCLE SAFETY REPRESENTATIVE APPOINTED G ESAMS TO MANAGE THE COMMAND CLE SAFETY PROGRAM | OPNAVINST 5100.12J PARA 6J16 & 6L2 | | | | |

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|----|-------------------------------|---|------------------------------|------------------------------|-----------|
| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | - | AMS ROSTER OF ALL PERSONNEL WHO OWN OR PURCHASE A MOTORCYCLE WAS AVAILABLE. | OPNAVINST 5100.12J PARA 6L2 | | |
| - | | AN ACCURATE LISTING OF THE MILITARY CYCLE RIDERS. | | | |
| - | 104C(2). | TYPE OF MOTORCYCLE RIDDEN OR OWNED. | | | |
| - | 104C(3). | STATE DRIVER'S LICENSE INFORMATION. | | | |
| - | 104C(4). | VEHICLE REGISTRATION | | | |
| - | 104C(5). | PROOF OF INSURANCE. | | | |
| - | 104C(6). | BASIC RIDERS COURSE (BRC) COMPLETION CARD. | | | |
| - | | MILITARY SPORT BIKE RIDERS COURSE (MSRC) TION CARD. | | | |
| - | 104C(8). CARD. | EXPERIENCED RIDERS COURSE (ERC) COMPLETION | | | |
| - | 104C. RC | STER INCLUDED THE FOLLOWING: | OPNAVINST 5100.12J PARA 6L3 | | |
| - | ٠, | NAMES OF THOSE INDIVIDUALS WHO WERE D BUT HAVE NOT COMPLETED TRAINING. | | | |
| - | 104D(2). TRAININ | THE REASONS THEY HAVE NOT COMPLETED G. | | | |
| - | 104D(3). | A PROJECTED TRAINING COMPLETION DATE. | | | |
| - | | A LIST OF INDIVIDUALS WHO WERE SCHEDULED FAILED TO ATTEND TRAINING (NO SHOW LIST). | | | |
| - | THE MSF | OCUMENTATION WAS AVAILABLE TO VERIFY THAT PROVIDED THE CO WITH A QUARTERLY CYCLE SAFETY TRAINING STATUS REPORT. THE IS TO INCLUDE THE FOLLOWING: | OPNAVINST 5100.12J PARA 6L4 | | |
| - | 105. MO | TORCYCLE OPERATOR LEVEL I TRAINING | | | |
| - | ALL MOT | OCUMENTATION WAS AVAILABLE TO VERIFY THAT ORCYCLE OPERATORS HAD SUCCESSFULLY TED THE MOTORCYCLE SAFETY FOUNDATION'S CYCLE BASIC RIDER COURSE (BRC). | OPNAVINST 5100.12J PARA 12E1 | | |
| - | 106. MO | TORCYCLE OPERATOR LEVEL II TRAINING | | | |
| - | ALL SPORTHE MO | OCUMENTATION WAS AVAILABLE TO VERIFY THAT RT BIKE RIDERS HAD SUCCESSFULLY COMPLETED FORCYCLE SAFETY FOUNDATION'S MSRC AND E RIDER COURSE AT A MINIMUM OF EVERY 3 FTER COMPLETING BRC OR WITHIN SIXTY DAYS IF | OPNAVINST 5100.12J PARA 12E2 | | |
| - | ALL NON COMPLE II AND A | OCUMENTATION WAS AVAILABLE TO VERIFY THAT -SPORT BIKE RIDERS HAD SUCCESSFULLY TED THE MOTORCYCLE SAFETY FOUNDATION'S BRC DVANCE RIDER COURSE AT A MINIMUM OF EVERY AFTER COMPLETING BRC OR WITHIN SIXTY DAYS IF | OPNAVINST 5100.12J PARA 12E2 | | |
| - | 107. MO | TORCYCLE OPERATOR LEVEL III TRAINING | | | |
| - | 107A(1). | CALIFORNIA SUPERBIKE SCHOOL | | | |

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | 107A(2). T OPERATOR | HE MARINE CORPS' ADVANCED MOTORCYCLE COURSE | | | |
| - | 107A(3). T | OTAL CONTROL AND AMERICAN SUPER CAMP | | | |
| - | MOTORCY ANY COM | UMENTATION WAS AVAILABLE TO VERIFY THAT CLE OPERATORS HAD SUCCESSFULLY COMPLETED NAVSAFECEN APPROVED LEVEL III COURSE EVERY RS AS REFRESHER TRAINING EXAMPLES OF | OPNAVINST 5100.12J PARA 12E3 & 12E5 | | |

LEVEL III COURSES ARE:

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| DK | ITEM | EQUIPMENT | ADDITIONAL INSTRUCTIONS | | | | |
|----|-----------------------------------|---|-----------------------------------|-----|-----|-------|--------|
| NE | OH0170 | TAG OUT | | SAT | DEG | UNSAT | NA RBO |
| R | EFERENCES: | OPNAVINST 5100.29 SERIESNAVSEA S0400-AD-U | RM-101 TAG-OUT USERS MANUAL (TUM) | | | | |
| | | NSTM, SHIPS DRAWINGS | | | | | |
| - | 101. ADM | NISTRATION | | | | | |
| | WEEKLY D | OMS) SYSTEM DATA BACKUPS WERE PERFORMED URING NORMAL OPERATIONS OR DAILY WHEN IN ANCE AVAILABILITIES. | TAG-OUT USER'S MANUAL APP I, 6.5 | | | | |
| | • | OMS) SOMS ADMINISTRATOR ASSIGNED AL USER ID AND PASSWORDS TO ALL R/A TATIVES. | TAG-OUT USER'S MANUAL APP I, 2.6 | | | | |
| | | HORIZING OFFICERS WERE DESIGNATED IN BY THE DEPARTMENT HEADS BY BILLET OR ATION. | TAG-OUT USER'S MANUAL, APP B | | | | |
| | 101D. (ESC WRITING. | DMS) SOMS ADMINISTRATOR WAS APPOINTED IN | TAG-OUT USER'S MANUAL, APP I, 2.1 | | | | |
| | • | OMS) SOMS ADMINISTRATOR WAS AN E-7 OR ODD THE E-6 OR BELOW HAVE AND ISIC WAIVER. | TAG-OUT USER'S MANUAL, APP I, 2.1 | | | | |
| | 102. ALL H | ANDS AND USER TRAINING | | | | | |
| | ALL NEWL | CUMENTATION WAS AVAILABLE TO VERIFY THAT Y REPORTING PERSONNEL RECEIVED NATION TRAINING ON THE TAG-OUT PROGRAM. | TAG-OUT USER'S MANUAL, SEC 1.4.1 | | | | |
| | PERSONNI TAG-OUTS TAGS, CHE | CUMENTATION WAS AVAILABLE TO VERIFY THAT EL ASSIGNED TO PREPARE TAG-OUTS, REVIEW, POSITION EQUIPMENT, ATTACH AND REMOVE CK TAGS, OR CONDUCT TAG-OUT AUDITS HAD ED 3M 301 PQS. | TAG-OUT USER'S MANUAL, SEC 1.4.2 | | | | |
| | 103. LOG E | BOOK AUDIT | | | | | |
| | WEEKLY (C | -OUT AUDITS WERE CONDUCTED AT LEAST BI- OR WEEKLY FOR THE PROPULSION PLANT OF A /ERHAUL, CONVERSION, OR RESTRICTED ITY). | TAG-OUT USER'S MANUAL, SEC 1.7.4 | | | | |
| | OF THE TO | JLTS OF AUDITS WERE RECORDED ON THE BACK PRS UNDER THE LAST TAG LISTED AND ON THE LET OF THE LOGBOOK. | TAG-OUT USER'S MANUAL, SEC 1.7.4 | | | | |
| - | DISCREPA | JLTS OF AUDITS INCLUDED THE DATE, NCIES NOTED (IF ANY), AND NAME OF PERSON ING THE AUDIT. | TAG-OUT USER'S MANUAL, SEC 1.7.4 | | | | |
| | | MPLETED TORS WERE FILED IN THE CLEARED OF THE TAG-OUT LOG. | TAG-OUT USER'S MANUAL, SEC 1.8.7 | | | | |
| - | WERE MA | OMS) TAGOUT AUDIT RESULTS FOR ACTIVE TAGS INTAINED IN THE RECORD OF AUDITS SECTION OF ER TAGOUT LOG. | TAG-OUT USER'S MANUAL, APP I, 5.2 | | | | |
| | 104. LOG E | воок | | | | | |
| | ACTIVE AN | OMS) MASTER TAG OUT LOG BOOK MAINTAINED ID CLEARED SECTION FOR LIRS (NOT REQUIRED IF ELECTRONIC SIGNATURES). | TAG-OUT USER'S MANUAL, APP I, 5.2 | | | | |

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| DK | ITEM EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | 104B. (ESOMS) MASTER TAG OUT LOG BOOK MAINTAINED ACTIVE AND CLEARED DRAFT LIRS WHICH REQUIRE THE COS APPROVAL. | TAG-OUT USER'S MANUAL, APP I, 8.3 | | |
| - | 104C. (ESOMS) MASTER TAG OUT LOG BOOK MAINTAINED ACTIVE AND CLEARED TAG RECORD SHEETS. | TAG-OUT USER'S MANUAL, APP I, 5.2 | | |
| - | 104D. (ESOMS) MASTER TAG OUT LOG MAINTAINED THE RECORD OF AUDITS SECTION. | TAG-OUT USER'S MANUAL, APP I, 5.2 | | |
| - | 104E. (BOTH) SHIP HAD A COPY OF THE TUM MAINTAINED IN THE TAG-OUT LOG. | TAG-OUT USER'S MANUAL, SEC 1.5.1 | | |
| - | 104F. SHIP HAD THE INSTRUMENT LOG INCLUDED IN TAGOUT LOG. | TAG-OUT USER'S MANUAL, SEC 1.5.1 | | |
| - | 104G(1). INDEX SHEET | | | |
| - | 104G(2). COPIES OF CURRENT AND CLEARED TAGS | | | |
| - | 104G(3). CORRECT TORS USED | | | |
| - | 104G(4). INDEX ENTRIES WERE COMPLETE | | | |
| - | 104G(5). LOG SHEETS HAD SERIAL NUMBERS, LOCATION, DATE AND TIME, AND SIGNATURES | | | |
| - | 104G. TAG-OUT LOG HAD THE FOLLOWING ITEMS: | TAG-OUT USER'S MANUAL, SEC 1.5.1 | | |
| - | 105. PROCEDURAL COMPLIANCE | | | |
| - | 105A. AUTHORIZING OFFICER VERIFIED TAG-OUT USING DRAWINGS OR DOCUMENTATION PRIOR TO AUTHORIZING TAGS/TORS. | TAG-OUT USER'S MANUAL, SEC 1.6.A | | |
| - | 105B. AUTHORIZING OFFICER VERIFIED TAG FOR COMPLETENESS PRIOR TO AUTHORIZING TAGS/TORS. | TAG-OUT USER'S MANUAL, SEC 1.6.3 | | |
| - | 105C. FOR DANGER TAGS, THE POSITION OR CONDITION SPECIFIED FOR THE COMPONENT/EQUIPMENT MATCH THE TAG/TORS. | TAG-OUT USER'S MANUAL, SEC 1.6.4 | | |
| - | 105D. FOR CAUTION TAGS, THE AMPLIFYING INSTRUCTIONS ON THE BACK OF THE TAG MATCH THE COMMENTS IN BLOCK 3 OF THE TORS. | TAG-OUT USER'S MANUAL, SEC 1.6.4 | | |
| - | 105E. THE REPAIR ACTIVITY (RA) CLEARANCE SIGNATURES WERE COMPLETED ON TAG IF THE RA AUTHORIZATION BLOCK WAS INITALLY SIGNED ON THE TORS. | TAG-OUT USER'S MANUAL, SEC 1.6.3 | | |
| - | 105F. SINGLE VALVE ISOLATION TAG-OUTS WERE SIGNED BY THE COMMANDING OFFICER. | TAG-OUT USER'S MANUAL, APP G, 6.C | | |
| - | 105G. BLOCK 4 OF TORS LISTS REASON FOR TAG-OUT OR ISOLATION DOCUMENTATION (DOCUMENTATION CAN BE ATTACHED AND MUST INCLUDE NUM. AND TITLE REQUIRING TAG-OUT). | TAG-OUT USER'S MANUAL, APP D, FIG | 2 | |
| - | 105H. (ESOMS) DUPLICATE TAGS WERE NOT HUNG ON A SINGLE COMPONENT INDICATING SOMS NOMENCLATURE ERRORS. | TAG-OUT USER'S MANUAL, APP I, 6.6 | | |
| - | 105I. (ESOMS) LINE ITEM NUMBERING WAS IMPROPER FORMATED, EXAMPLE: WORK CENTER [REASON FOR TAGOUT] DESCRIPTION OF MAINTENANCE, TODAY'S DATE. EE01 [PMS] MEGGER CHECK NR2 R-114 MOTOR 02JAN09 (1). | TAG-OUT USER'S MANUAL, APP I, 7.1 | | |

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| DK | ITEM EQUIPMENT | ADDITIONAL INSTRUCTIONS | | |
| - | 106. TAGS | | | |
| - | 106A. DANGER/CAUTION TAG (TAG NUMBER) HAD SERIAL NUMBER LISTED. | TAG-OUT USER'S MANUAL, SEC 1.6.1 | | |
| - | 106B. DANGER/CAUTION TAG (TAG NUMBER) HAD WORK CENTER LISTED. | TAG-OUT USER'S MANUAL, SEC 1.6.1 | | |
| - | 106C. DANGER/CAUTION TAG (TAG NUMBER) WAS INDEPENDENTLY VERIFIED BY A SECOND QUALIFIED PERSON. | TAG-OUT USER'S MANUAL, SEC 1.6.4 | | |
| - | 106D. DANGER/CAUTION TAG (TAG NUMBER) POSTING LOCATION MATCHED THE LOCATION WHERE THE TAG WAS HUNG. | TAG-OUT USER'S MANUAL, SEC 1.6.4 | | |
| - | 106E. THE REPAIR ACTIVITY (RA) CLEARANCE SIGNATURES WERE COMPLETED ON TAG IF THE RA AUTHORIZATION BLOCK WAS INITALLY SIGNED ON THE TORS. | TAG-OUT USER'S MANUAL, SEC 1.6.3 | | |
| - | 106F. DANGER/CAUTION TAG (TAG NUMBER) DID NOT HAVE INFORMATION LINED OUT OR WRITTEN OVER (TAGS REQUIRED TO BE REWRITTEN). | TAG-OUT USER'S MANUAL, SEC 1.6.1 | | |
| - | 106G. (ESOMS) DANGER/CAUTION TAGS LABELS WERE NOT USED FROM AN UNAUTHORIZED PROGRAM/SOURCE . | TAG-OUT USER'S MANUAL, APP I, 6.3 | | |
| - | 106H. (ESOMS) DANGER/CAUTION TAG DID NOT HAVE INK PEN CORRECTIONS. | TAG-OUT USER'S MANUAL, APP I, 6.3 | | |
| - | 107. VIOLATIONS | | | |
| - | 107A. SHIP'S FORCE DID NOT CONDUCT WORK/REPAIRS/MAINTENANCE ON ENERGIZED EQUIPMENT DURING THE INSPECTION WITHOUT PROPER USE OF TAG-OUT PROCEDURES OR ENERGIZED WORK CHIT | TAG-OUT USER'S MANUAL, SEC 1.6 | | |

(STATE LOCATION AND SITUATION OBSERVED).

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