

INSURV OH INSPECTION CARDS 2004

ASBESTOS, ASBESTOS CONTROL PLAN:

- NO ASBESTOS CONTROL PLAN FOR ASBESTOS CONTAINING MATERIALS DESIGNATING IMPLEMENTATION OF APPENDIX B1-B PROTOCOL WAS AVAILABLE.
- THE SUB DID NOT IMPLEMENT, AT A MINIMUM, THE ASBESTOS PROTOCOL FOR SHIP'S FORCE.

NOTE: CAN BE INCLUDED AS PART OF IH SURVEY

OPNAVINST 5100.19D, B0102, B0105A, B0107, APPENDIX B1-B

ASBESTOS, NON-FRIABLE MATERIAL STOWAGE:

- NON-FRIABLE ASBESTOS-CONTAINING MATERIALS (SUCH AS GARLOCK GASKETS AND PACKING) WERE NOT STORED IN DOUBLE, HEAVY-DUTY PLASTIC BAGS OR IMPERMEABLE CONTAINERS.
- NON-FRIABLE ASBESTOS-CONTAINING MATERIALS (SUCH AS GARLOCK GASKETS AND PACKING) WERE NOT LABELED WITH STANDARD ASBESTOS WARNING LABELS.

OPNAVINST 5100.19D, B0104D(1)

ASBESTOS, NON-FRIABLE ASBESTOS TRAINING:

ASBESTOS HAZARD TRAINING FOR PERSONNEL ASSIGNED TO WORK WITH ASBESTOS MATERIALS, SUCH AS GASKETS WAS NOT CONDUCTED/WAS DEFICIENT.

OPNAVINST 5100.19D, B0107C(1), APP B1-E
COMSUBLANT/PACINST C3500.1 - TRAINING MANUAL

ATM CONTROL, LOG ENTRIES:

THE SUBMARINE MATERIAL CONTROL LOG DID NOT CONTAIN THE FOLLOWING ENTRIES (SPECIFY):

- TITLE (RESTRICTED, LIMITED, OR PROHIBITED).
- TAG NUMBER.
- DATE BROUGHT ABOARD/USED/REMOVED FROM SHIP.
- STORAGE LOCATION.
- DEPT/DIVISION RESPONSIBLE.
- VOLUME AND TYPE OF CONTAINER.
- CONTAINER STATUS (SEALED/NOT YET OPEN/SEAL NOT TIGHT, ETC).
- SHELF LIFE EXPIRATION/RETEST DATE.
- SUPPLY OFFICER'S INITIALS FOR LIMITED ITEMS; XO INITIALS FOR RESTRICTED ITEMS.

ATMOSPHERE CONTROL MANUAL, CHAPTER 7-4
OPNAVINST 5100.19D, B0303A(2) AND APP D15-B

ATM CONTROL, TRAINING:

- DEPT HEADS HAD NOT RECEIVED DOCUMENTED ANNUAL TRAINING ON:
- THE SUBMARINE MATERIAL CONTROL MANUAL.
 - THE SUPPLY OFFICER DID NOT DOCUMENT TRAINING TO ALL HANDS REGARDING THE PRINCIPLES AND REQUIREMENTS OF THE ATMOSPHERE CONTROL PROGRAM.
 - HANDLING MATERIAL.
 - STORAGE OF MATERIAL.
 - INVENTORY CONTROL.
 - CLASSIFICATION OF ATMOSPHERIC CONTAMINANTS.
 - RESPONDING TO SPILLS.
 - DISPOSAL OF HAZMAT.

ATMOSPHERE CONTROL MANUAL, CHAPTER 7

ATM CONTROL, AUTHORIZATION:

- THE EXECUTIVE OFFICER HAD NOT AUTHORIZED ALL PROHIBITED MATERIAL PRESENT ON BOARD. AUTHORIZATION IS IN WRITING ON THE ATMOSPHERIC CONTROL LOG.
- THERE WAS MATERIAL PROHIBITED BY THE SUBMARINE MATERIAL CONTROL LIST (SMCL) ON BOARD THAT WAS NOT AUTHORIZED BY THE XO.
- THE XO HAD NOT GIVEN WRITTEN PERMISSION (INITIALS) TO CARRY OR USE ANY RESTRICTED ITEMS DURING UNDERWAY PERIODS.

ATMOSPHERE CONTROL MANUAL, CHAPTER 7, PARA 7-3.2
OPNAVINST 5100.19D, B0303A(2) AND D1502D(3)

ATM CONTROL, HAZMAT SUPERVISOR TRAINING:

THE LEADING SK WAS NOT A GRADUATE OF THE HMC&M TECHNICIAN (SNEC 9595) COURSE (A-322-2600).

OPNAVINST 5100.19D, B0303E
COMSUBLANT/PACINST 5400.39 OR 5400.38, CHAPTER 4
ATMOSPHERE CONTROL MANUAL, CHAPTER 7

ATM CONTROL, HAZMAT COORDINATOR:

- THE SUPPLY OFFICER WAS NOT APPOINTED IN WRITING BY THE COMMANDING OFFICER AS HAZARDOUS MATERIAL COORDINATOR.
- THE SUPPLY OFFICER (HAZMAT COORDINATOR) DID NOT MAINTAIN THE HAZARDOUS MATERIAL CONTROL PROGRAM.
- THE HM COORDINATOR DID NOT MAINTAIN THE SUBMARINE MATERIAL CONTROL LOG.
- THE HM COORDINATOR DID NOT REVIEW THE SUBMARINE MATERIAL CONTROL LOG WEEKLY INPORT AND MONTHLY UNDERWAY.

OPNAVINST 5100.19D, B0303A(4)
ATMOSPHERE CONTROL MANUAL, CHAPTER 7

ATM CONTROL, CALCIUM HYPOCHLORITE:

CALCIUM HYPOCHLORITE HANDLING/USAGE/STORAGE HAD THE LISTED DEFICIENCIES:

OPNAVINST 5100.19D, D1508C
COMSUBLANT/PACINST 6000.2C, PARA 6.2.2
NAVMED P-5010-65
SEAWOLF BUILDERS SPEC 671

ATM CONTROL, TRACE GAS ANALYZER (NAV ET):

-THE TRACE GAS ANALYZER WAS NOT OPERATIONAL/WAS NOT ON BOARD.
-THE TRACE GAS ANALYZER WAS NOT USED DAILY AT REPRESENTATIVE LOCATIONS.
-THE TRACE GAS ANALYZER CALIBRATION KIT WAS NOT COMPLETE OR ON BOARD (CALIBRATION GAS CYLINDER, FLOW REGULATING VALVE, FLEXIBLE TUBING).

ATMOSPHERE CONTROL MANUAL, CHAPTER 6-3, 6-3.1, 6-3.2

ATM CONTROL, INSPECTION FOR HAZMAT:

CONSUMABLE AND REPAIR PARTS WERE NOT INSPECTED FOR THE PRESENCE OF HAZMAT BY THE DEPARTMENTS WHO RECEIVED THEM.

ATMOSPHERE CONTROL MANUAL, CHAPTER 7

ATM CONTROL, MATERIAL SAFETY DATA SHEETS:

- THE HAZMAT COORDINATOR DID NOT MAINTAIN MSDS'S FOR EVERY ITEM OF HM ONBOARD, EITHER THROUGH THE SMCL OR HARD COPY FOR OPEN PURCHASE ITEMS.
- MSDS'S FOR OPEN PURCHASE ITEMS WERE NOT ON BOARD/AVAILABLE UPON REQUEST.
- MSDS'S WERE NOT READILY AVAILABLE TO SUPERVISORS AND PERSONNEL WHO USE OR HANDLE HM.
- PRIOR TO USING OR HANDLING HAZMAT, WORK CENTER PERSONNEL WERE NOT TRAINED:
- ON WHAT AN MSDS IS, WHAT IT CONTAINS, AND WHERE A COPY IS AVAILABLE FOR REVIEW.
- PERSONNEL WERE NOT FAMILIAR WITH WHAT AN MSDS WAS OR WHERE THEY COULD BE OBTAINED.
- ON THE HAZARDS ASSOCIATED WITH THAT MATERIAL

OPNAVINST 5100.19D, B0303D(1), B0303A(9)(B), B0303E, B0303A(4)

ATM CONTROL, INVENTORY:

ALL HAZMAT/ATMOSPHERE CONTAMINANTS WERE NOT INVENTORIED SEMI-ANNUALLY.

ATMOSPHERE CONTROL MANUAL, CHAPTER 7, ART 7-4.3
OPNAVINST 5100.19D, B0303A(4)(G)

ATM CONTROL, LABELING OF CONTAINERS:

- CONTAINERS INTO WHICH HAZARDOUS MATERIAL WAS TRANSFERRED WERE NOT PROPERLY MARKED/LABELED/TAGGED.
- HAZMAT CONTAINERS WERE MISSING LABELS/LABELS WERE DETERIORATED IN THE FOLLOWING LOCATIONS:
- USED AND EXCESS HAZMAT WAS NOT PROPERLY LABELED.
- LIMITED, PROHIBITED AND/OR RESTRICTED STICKER WAS NOT AFFIXED TO CONTAINER.

OPNAVINST 5100.19D, D1502E, APP D15-C
DD FORM 2521 AND 2522 LABELS

ATM CONTROL, ATM CONTAMINANT TAGS:

ALL HAZMAT BROUGHT ONBOARD WAS NOT LISTED IN THE SMCL/SHIMS AND AN ATMOSPHERE CONTAMINANT TAG ATTACHED INDICATING PROHIBITED, RESTRICTED OR LIMITED USAGE CATEGORY.

ATMOSPHERE CONTROL MANUAL, CHAPTER 7, ART 7.3.3C
OPNAVINST 5100.19D, B1502(D)

ATM CONTROL, IN-USE FLAMMABLE LKR:

- THE FLAMMABLE STORAGE LOCKER WAS IN DETERIORATED MATERIAL CONDITION.
- THE FLAMMABLE STORAGE LOCKER WAS NOT LABELED.
- THE FLAMMABLE STORAGE LOCKER HAD SPILLAGE ON SHELVES.
- THE FLAMMABLE STORAGE LOCKER WAS NOT ABLE TO BE LOCKED OR SECURED.

OPNAVINST 5100.19D, D1505A

ATM CONTROL, OPEN PURCHASE:

- OPEN PURCHASE OF HAZMAT WAS NOT RESTRICTED TO ONLY THOSE ITEMS FOR WHICH STOCK NUMBER PRODUCT COULD BE DETERMINED TO BE INFERIOR, DUE TO URGENCY, OR MATERIAL COULD NOT BE SATISFIED FROM STOCK.
- COMMANDING OFFICER DID NOT SIGN OPEN PURCHASE AUTHORIZATIONS.
- SMCL FEEDBACK REPORTS WERE NOT SUBMITTED FOR OPEN PURCHASE HAZARDOUS MATERIALS.

OPNAVINST 5100.19D, D1502C, B0303A(4), B0303A(8), B0303A(9)

ATM CONTROL, COMPRESSED GAS CYLINDERS:

COMPRESSED GAS CYLINDERS:

- WERE NOT INDIVIDUALLY SECURED IN RACKS, COMPARTMENTS, OR LOCATIONS DESIGNATED FOR CYLINDER STORAGE ON THE SUBMARINE.
- HYDROSTATIC TEST DATA WAS NOT ON THE CYLINDER.
- WAS NOT GRADE B SHOCK MOUNTED.
- WERE DETERIORATED.
- WERE NOT LABELED.
- WERE NOT CAPPED.
- EMPTY CYLINDERS WERE NOT MARKED "EMPTY".
- _____ ACETYLENE CYLINDERS WERE NOT STOWED VALVE END UP, VERTICALLY.

OPNAVINST 5100.19D, D1510A, D1510D(4)

ATM CONTROL, LOG REVIEW:

THE SUBMARINE MATERIAL CONTROL LOG WAS NOT REVIEWED:- WEEKLY BY THE DCA AND SUPPLY OFFICER WHILE IN PORT.

- MONTHLY BY THE DCA AND SUPPLY OFFICER WHILE AT SEA.
- MONTHLY BY THE DEPT HEAD AND RESPONSIBLE FOR RESTRICTED ITEMS.
- PRIOR TO EACH UNDERWAY BY THE XO TO ENSURE UNNEEDED ITEMS HAVE BEEN REMOVED FROM THE SHIP.
- REVIEWS DID NOT HAVE SIGNATURE, RANK, TITLE AND DATE DIRECTLY BELOW LAST LINE OF DATA.
- THE OFFICIAL SUBMARINE MATERIAL CONTROL LOG SHEETS THAT ARE USED FOR REVIEW WERE NOT RETAINED FOR A PERIOD OF ONE YEAR.

ATMOSPHERE CONTROL MANUAL, CHAPTER 7-4-1
OPNAVINST 5100.19D, B0303A(4)(H), B0303A(2), AND A4

ATM CONTROL, HAZMAT, STOWAGE:

HAZMAT STOWAGE HAD THE FOLLOWING DEFICIENCIES (SPECIFY TYPE OF MATERIAL):

- FLAMMABLES WERE NOT STOWED IN A MANNER THAT MINIMIZES FIRE HAZARDS.
- COMBUSTIBLE OILY RAGS/STEEL WOOL/WOOD/WASTE PAPER WERE NOT STORED IN TIGHTLY CLOSED METAL CONTAINERS.
- OXIDIZERS (INCLUDING O2 CANDLES) WERE NOT SEGREGATED FROM FUEL, OILS, GREASES, PAINTS, CELLULOSE PRODUCTS, OR OTHER FLAMMABLE MATERIALS.
- OXIDIZERS (INCLUDING O2 CANDLES) WERE STOWED ADJACENT TO THE TORPEDO ROOM, AMMO LOCKERS, OR OPERATING EQUIPMENT THAT WOULD EXCEED 100 DEGREES UNDER NORMAL CONDITIONS.
- CONTAINERS WERE NOT PROPERLY SEALED AND SECURED FOR SEA.
- CORROSIVES WERE STORED WITH OXIDIZERS OR OTHER INCOMPATIBLE MATERIALS.
- ORGANIC ACIDS AND INORGANIC ACIDS WERE NOT SEGREGATED.
- PREMIXED BATTERY ELECTROLYTE WAS NOT STORED IN STAINLESS STEEL CABINETS LINED WITH LEAD OR AN ACID RESISTANT SYNTHETIC RUBBER.

OPNAVINST 5100.19D, D1503, D1507, D1508
ATMOSPHERE CONTROL MANUAL, CHAPTER 7/SMCL
SEAWOLF BUILDERS SPEC 671

ATM CONTROL, MATERIAL CONTROL LOG:

THE SUBMARINE MATERIAL CONTROL LOG:

- WAS NOT MAINTAINED BY THE SUPPLY OFFICER.
- WAS NOT DIVIDED INTO THREE SECTIONS (RESTRICTED, LIMITED, AND PERMITTED ITEMS).
- DID NOT CONTAIN A LISTING OF ALL RESTRICTED AND LIMITED ITEMS BROUGHT ON BOARD.

ATMOSPHERE CONTROL MANUAL, CHAPTER 7-4 AND 7-3.3
OPNAVINST 5100.19D, B0303A(4)(D) AND D1502A

ATM CONTROL, SUBMARINE HAZARDOUS MATERIAL INVENTORY MANAGEMENT SYSTEM:

- THE SUPPLY OFFICER WAS NOT USING SHIMS FOR MANAGING THE ATMOSPHERE CONTROL PROGRAM.
- THE SMCL/SHIMS, AS THE AUTHORIZED USE LIST, WAS NOT USED TO VERIFY ONLY APPROVED HAZMAT WAS ALLOWED ONBOARD.
- SUPPLY DEPARTMENT PERSONNEL DID NOT ENSURE THAT REQUISITIONED HAZMAT WAS LISTED IN THE SMCL.

OPNAVINST 5100.19D, B0303A(4)(E), D1501D, AND D1502B
COMNAVSUBFORINST 4406.1
ATMOSPHERE CONTROL MANUAL/SMCL - CHAPTER 7

ATM CONTROL, HAZMAT, OTTO FUEL SPILL KIT:

- THE OTTO FUEL SPILL KIT TORPEDO ROOM DID NOT HAVE ALL REQUIRED ITEMS.
- THE OTTO FUEL SPILL KIT SECONDARY LOCATION DID NOT HAVE ALL REQUIRED ITEMS.
- SUB DID NOT HAVE BOTH MK 15 OTTO FUEL DETECTORS.
- THE REQUIRED AMOUNT OF OTTO FUEL DETECTOR TUBES WERE NOT ON BOARD.

OPNAVINST 5100.19D, B0303A(7)
NAVSEA 0D 44979 VOL 4, PART 5, REV 4, 1997
AEL 0-006350027

ATM CONTROL, HAZMAT, SPILL TRAINING:

- THE DCA DID NOT TRAIN AND SUPERVISE THE SHIP'S DAMAGE CONTROL EFFORT TO COMBAT HM SPILLS (USING TOXIC GAS BILL, DRILLS CONDUCTED AS NECESSARY).
- THE DCA DID NOT PROVIDE TRAINING TO DIVISIONS REGARDING REPORTING, INITIAL HANDLING, AND CLEAN-UP OF HM SPILLS.

OPNAVINST 5100.19D, B0303A(7)
COMSUBLANT/PACINST 6000.2C
SEAWOLF BUILDERS SPEC 671

ELECTRICAL SAFETY, EQUIPMENT SAFETY CHECK:

ELECTRICAL SAFETY CHECKS WERE NOT PERFORMED/HAD THE WRONG PERIODICITY/WERE OVERDUE IN THE FOLLOWING LOCATIONS:

NOTE: ALL ELECTRICAL AND ELECTRONIC EQUIPMENT SHALL BE SAFETY CHECKED IN ACCORDANCE WITH THE CURRENT PMS. PORTABLE AND MOBILE EQUIPMENT REQUIRES A QUARTERLY SAFETY CHECK. COMPUTER EQUIPMENT REQUIRES A SITUATIONAL, ONE-TIME INITIAL SAFETY CHECK.

NOTE: THE FOLLOWING PERSONAL ITEMS ARE PROHIBITED FROM SHIPBOARD USE: FANS, PORTABLE EXTENSION CORDS, HIGH-INTENSITY LAMPS, READING LAMPS, ELECTRIC BLANKETS, HEATING PADS, TOOLS EXCEPT HOBBY TOOLS, HEAT/SUN LAMPS, HOT PLATES AND GRIDDLES, ELECTRIC CLOCKS, MICROWAVE OVENS, PORTABLE EXTENSION LIGHTS, ELECTRIC HEATERS, PORTABLE REFRIGERATORS AND AIR CONDITIONERS, AND IMMERSION-TYPE WATER HEATERS.

OPNAVINST 5100.19D, B0702E
NSTM 300, SECTION 300-2.7
MIP 3000 SERIES

EYEWASH STATION, PLUMBED:

THE PLUMBED EYEWASH STATION:

- WAS OBSTRUCTED OR NOT WITHIN 10 SECONDS OR 100 TRAVEL FEET OF THE HAZARD.
- DID NOT MEET THE MINIMUM 0.4 GPM FOR 15 MINUTES WATER FLOW

NOTE: NOT APPLICABLE TO PERSONAL EYEWASH BOTTLES IN NUCLEONICS OR SECONDARY SAMPLING SINK.

- WAS NOT MARKED WITH A GREEN AND WHITE SIGN, NSN 9905-01-345-4521.
- HAD LOW FLOW.
- WAS INOPERABLE.
- HAD MISSING PARTS (SPECIFY).
- WAS DAMAGED.

OPNAVINST 5100.19D, B0508
ANSI STD Z358.1-1981

EYEWASH STATION, PERSONAL EYEWASH BOTTLES:

PERSONAL EYEWASH BOTTLES, IN LIEU OF PERMANENT OR PORTABLE EYEWASH STATIONS, WERE NOT INSTALLED AS REQUIRED, IN THE FOLLOWING AREAS:

- NUCLEONICS/WATER CHEMISTRY ROOM.
- SECONDARY ANALYSIS STATIONS/SAMPLE SINK.
- WAS NOT MARKED WITH A GREEN AND WHITE SIGN, NSN 9905-01-345-4521

OPNAVINST 5100.19D, B0508.B, B0508.C
NOTE: SEE MIP 6600 Q- EMERGENCY EYEWASH BOTTLE BOTTLE NSN 6515-01-393-0728

EYEWASH STATION, PLASTIC PORTABLE:

THE PLASTIC PORTABLE EYEWASH STATION:

- WAS OBSTRUCTED OR NOT WITHIN 10 SECONDS OR 100 TRAVEL FEET

OF THE HAZARD.

- WAS NOT MARKED WITH A GREEN AND WHITE SIGN, NSN 9905-01-345-4521.
 - HAD LOW FLOW OR NO WATER.
 - WAS INOPERABLE.
 - HAD MISSING PARTS (SPECIFY).
 - WAS DAMAGED.
 - DID NOT MEET THE MINIMUM 0.4 GPM FOR 15 MINUTES WATER FLOW
- NOTE: NOT APPLICABLE TO PERSONAL EYEWASH BOTTLES IN NUCLEONICS OR SECONDARY SAMPLING SINK.

OPNAVINST 5100.19D, B0508
ANSI STD Z358.1-1981

GAS FREE ENG, PROGRAM EVALUATION:

- THE SAFETY OFFICER DID NOT EVALUATE THE GFE PROGRAM AT LEAST ANNUALLY.
- THE ANNUAL EVALUATION DID NOT INCLUDE RECERTIFICATION OF ALL GFE PERSONNEL.
- THE SAFETY OFFICER AND GFE DID NOT MAINTAIN A COPY OF THE ANNUAL GFE PROGRAM EVALUATION.NONE

OPNAVINST 5100.19D, CHAPTER B8
NAVSEA S9086-CH-STM-030 CHAPTER 074, VOL 3, PARA 074-18.10

GAS FREE ENG, GAS FREE LOG:

- THE GAS FREE ENGINEERING CERTIFICATION AND TEST LOG HAD THE FOLLOWING DEFICIENCIES:
- CERTIFICATES WERE NOT MAINTAINED AS A LEGAL DOCUMENT FOR 12 MONTHS.
 - CERTIFICATES WERE NOT PROPERLY COMPLETED.
 - CERTIFICATES DID NOT LIST DATE AND TIME OF INSPECTION.

OPNAVINST 5100.19D, CHAPTER B8
COMSUBLANT/PACINST 6000.2C, ART 8.1.2B
NAVSEA S9086-CH-STM-030 CHAPTER 074, VOL 3

GAS FREE ENG, PROGRAM EVALUATION:

- THE SAFETY OFFICER DID NOT EVALUATE THE GFE PROGRAM AT LEAST ANNUALLY.
- THE ANNUAL EVALUATION DID NOT INCLUDE RECERTIFICATION OF ALL GFE PERSONNEL.
- THE SAFETY OFFICER AND GFE DID NOT MAINTAIN A COPY OF THE ANNUAL GFE PROGRAM EVALUATION.NONE

OPNAVINST 5100.19C B0804
COMSUBLANT/PACINST 6000.2C, ART 8.1.2B
NAVSEA S9086-CH-STM-030 CHAPTER 074, VOL 3

GAS FREE ENG, ATMOSPHERE DETECTION EQUIPMENT:

- THE REQUIRED OXYGEN AND EXPLOSIVE METERS WERE NOT ON BOARD.
- METER WAS INOPERABLE.
- METER WAS OUT OF CALIBRATION.
- _____ OF _____ PACKAGES OF CHEMICAL DETECTION TUBES HAD EXPIRED.
- _____ OF _____ CHEMICAL DETECTION TUBE PISTON PUMP/BELLOWS WERE MISSING/DAMAGED/DETERIORATED. - ALL REQUIRED DETECTOR TUBES WERE NOT ON BOARD AS FOLLOWS:

OPNAVINST 5100.19D, CHAPTER B8
COMSUBLANT/PACINST 6000.2C, ART 8.1.2B
NAVSEA S9086-CH-STM-030 CHAPTER 074 VOL 3
ATMOSPHERE CONTROL MANUAL, CHAPTER 6, ART 6-5.2.3
ATMOSPHERE CONTROL MANUAL, CHAPTER 7
AEL 2-870004069

GEN SAFETY, MACHINERY, GUARDS:

POWER TRANSMISSION DEVICES (BELTS, CHAINS, PULLEYS, SHAFTING, FLY WHEELS, GEARS, SPROCKETS AND OTHER MOVING PARTS OF MACHINE OTHER THAN THE POINT-OF-OPERATION) WERE NOT ENCLOSED WITHIN THE MACHINE OR OTHERWISE GUARDED OR LOCATED SO THAT PERSONNEL CONTACT WITH MOVING PART WAS NOT POSSIBLE.

OPNAVINST 5100.19D, D0804A

GEN SAFETY, BENCH/PEDESTAL GRINDERS:

- BENCH AND/OR PEDESTAL GRINDER:
- WHEEL WAS NOT DRESSED.
 - TOOL REST WAS >1/8 INCH FROM WHEEL.
 - SHATTERPROOF SHIELD (EYE GUARD) WAS MISSING/BROKEN.
 - TOOL REST WAS MISSING/BADLY WORN.
 - TONGUE GUARD WAS MISSING.
 - TONGUE GUARD WAS GREATER THAN 1/4 INCH FROM THE WHEEL.
 - WHEEL WAS CRACKED OR DAMAGED.
 - DUST COLLECTOR (FLAME RESISTANT) BAG WAS MISSING (IF EQUIPPED).
 - LIGHT BULB IN EYE SHIELD BROKEN/MISSING.

GOV'T SOURCE OF UNIVERSAL MACHINE GUARDS:
ROCKFORD SYSTEMS, IN. AT 1-800-922-7533, OR E-MAIL
SALES@ROCKFORDSYSTEMS.COM.

OPNAVINST 5100.19D, D0804A(15), D0102A(E), D0804G(2)

GEN SAFETY, EQUIPMENT SAFETY DEVICES:

LOW VOLTAGE PROTECTION ON MOTORS WAS NOT PROVIDED TO PREVENT INJURY TO OPERATING PERSONNEL. (SEAWOLF SPEC 302 - SSN 21 ONLY).

DEVICES WERE NOT INSTALLED ON INDUSTRIAL MACHINES TO PREVENT THEM FROM AUTOMATICALLY RESTARTING AFTER A POWER FAILURE (WHERE PERSONNEL INJURY MAY OCCUR).

OPNAVINST 5100.19D, D0804A(13)
SEAWOLF SPEC 302

GEN SAFETY, DRILL PRESSES:

POINT-OF-OPERATION GUARD (MOVABLE TELESCOPING DRILL SHIELD OR SAFETY CHIP SHIELD) WAS NOT INSTALLED ON THE DRILL PRESS.

GOV'T SOURCE OF UNIVERSAL MACHINE GUARDS - ROCKFORD SYSTEMS, IN. AT 1-800-922-7533, OR E-MAIL SALES@ROCKFORDSYSTEMS.COM.

OPNAVINST 5100.19D, C0804A, D0804

GEN SAFETY, LATHES:

- POINT-OF-OPERATION GUARD (MOVABLE SAFETY SHIELD, CHUCK GUARD AND CROSSLIDE TRAVEL STEEL FRAME LATHE SHIELD) WAS NOT INSTALLED ON THE LATHE.
- AN INCANDESCENT, FLEXIBLY MOUNTED LIGHT WAS NOT INSTALLED TO ILLUMINATE THE WORK AREA.
- THE POWER SWITCH WAS LOCATED IN A POSITION THAT REQUIRED THE OPERATOR TO REACH OVER THE LATHE TO SECURE THE EQUIPMENT.

NOTE: GOV'T SOURCE OF UNIVERSAL MACHINE GUARDS - ROCKFORD SYSTEMS, IN. AT 1-800-922-7533, OR E-MAIL SALES@ROCKFORDSYSTEMS.COM.

OPNAVINST 5100.19D, D0804A
ANSI B11.6
29 CFR 1910.212

HEARING CONSERVATION, TRAINING:

- PERSONNEL INCLUDED IN HEARING CONSERVATION DID NOT RECEIVE TRAINING RELATIVE TO HEARING CONSERVATION PRIOR TO WORKING IN NOISE HAZARDOUS AREAS OR WITH NOISE HAZARDOUS EQUIPMENT, AND ANNUALLY THEREAFTER.
- MDR DID NOT ENSURE THAT REFRESHER TRAINING WAS PERFORMED IN CONJUNCTION WITH THE ANNUAL AUDIOGRAM.

OPNAVINST 5100.19D, B0402E(3) & B0408

HEARING CONSERVATION, NOISE HAZARD LABELING:

NAVMED 6260/2 WAS NOT USED FOR POSTING/LABELING NOISE HAZARDOUS AREAS, OR AREAS WERE NOT POSTED AS REQUIRED AT ENTRANCES.

EQUIPMENT/TOOLS DESIGNATED AS NOISE HAZARDOUS WERE NOT PROPERLY LABELED WITH NAVMED 6260/2A.

OPNAVINST 5100.19D, B0404C

HEARING CONSERVATION, PPE:

_____ OF _____ CIRCUMAURAL EAR MUFFS EXAMINED WERE IN DETERIORATED CONDITION/HAD MISSING PARTS/REQUIRED MAINTENANCE. FITTED HEARING PROTECTION WAS NOT AVAILABLE FROM THE MDR. (OTHER MISC HEARING PROTECTION PROBLEMS, SUCH AS WRONG TYPE, NOT AVAILABLE, ETC.)

OPNAVINST 5100.19D, B0406

HEARING CONSERVATION, NOISE SURVEYS:

-THE SAFETY OFFICER OR MDR DID NOT MAINTAIN A COPY OF THE CURRENT NOISE SURVEY.
-THE SAFETY OFFICER DID NOT REQUEST ASSISTANCE FROM AN INDUSTRIAL HYGIENIST TO CONDUCT A NOISE SURVEY OF AREAS/EQUIPMENT NOT PREVIOUSLY SURVEYED.

OPNAVINST 5100.19D, B0404A, B0402B(2), B0409

HEAT STRESS, DRY BULB READINGS:

DRY BULB TEMPERATURES WERE NOT RECORDED IN POTENTIAL HEAT STRESS AREAS AS FOLLOWS:
- EVERY 4 HOURS FOR MANNED SPACES IF DRY BULB TEMPERATURE IS LESS THAN 85 DEGREES F.
- EVERY HOUR FOR MANNED SPACES IF DRY BULB TEMPERATURE IS GREATER THAN 85 DEGREES F.
- EVERY HOUR AT TEMPORARY INSTALLATIONS FOR REPAIRS OR MAINTENANCE CONDITIONS IF DRY BULB TEMPERATURE IS GREATER THAN 85 DEGREES F.
- TEMPERATURE LOGS WERE NOT MAINTAINED, WITH READINGS GREATER THAN 85 DEGREES CIRCLED IN RED.

OPNAVINST 5100.19D, B0204B(3)& (4), B0204C, B0204F

HEAT STRESS, WBGT SURVEY DOCUMENTATION:

HEAT STRESS SURVEYS WITH A WBGT METER WERE NOT CONDUCTED:
- AT ALL MANNED WATCHSTATIONS WITHIN THE SPACE WHEN THE DRY BULB TEMPERATURE REACHED OR EXCEEDED 100 DEGREES F (FOR 4 HOUR WATCHES OR LESS), 90 DEGREES F (WATCH GREATER THAN 4 HOURS), OR 85 DEGREES F (PHEL IV THROUGH VI).
- IN ANY SPACE WHEN A HEAT INJURY OCCURS.
- PRIOR TO CONDUCTING ECC DRILLS IF DRILL SET EXCEEDS 3 HOURS OR IF IN ALREADY REDUCED STAY TIME CONDITIONS.
- WHERE CO DETERMINES A HEAT STRESS CONDITION MAY OCCUR.
- AS REQUIRED FOR FOLLOW-ON SURVEYS.

OPNAVINST 5100.19D, B0204C

HEAT STRESS, WBGT SURVEY PQS TRAINING:

ALL DESIGNATED HEAT STRESS SURVEYORS HAD NOT COMPLETED THE HEAT STRESS MONITOR WATCHSTATION 303 IN NAVEDTRA 43460-4B WITHIN 12 WEEKS OF ASSIGNMENT.

OPNAVINST 5100.19D, B0206B

HEAT STRESS, MONITORING THERMOMETERS:

THERMOMETER (CITE LOCATION), (NSN 9G 6685-00-243-9964 ALCOHOL IN GLASS):

- WAS MISSING AT THE FOLLOWING WATCHSTATIONS:
- WAS NOT MOUNTED TO MINIMIZE HEATING OR COOLING EFFECTS FROM CONTACT WITH HOT OR COLD STRUCTURES.
- WAS MOUNTED INCORRECTLY TO MONITOR THE WATCHSTANDER.
- WAS NOT AVAILABLE FOR TEMPORARY INSTALLATION.
- DID NOT HAVE THE ETCH MARK ALIGNED WITH 32 DEGREES F.
- WAS DAMAGED.
- WAS NOT AT LEAST 2 FEET FROM THE SUPPLY VENTILATION TERMINAL/OPENING.

OPNAVINST 5100.19D, B0204B(1)

HEAT STRESS, ALL HANDS TRAINING:

ALL HANDS HAD NOT RECEIVED HEAT STRESS TRAINING UPON REPORTING ABOARD.

OPNAVINST 5100.19D, B0206A

HEAT STRESS, WBGT METER, MODEL RSS-220:

THE FOLLOWING WBGT METER, MODEL RSS-220, DEFICIENCIES WERE NOTED:

- METER WAS NOT IN CALIBRATION.
- PMS COVERAGE WAS NOT HELD FOR THE METER.
- SPARE GLOBE ASSEMBLIES, ACCESSORIES, AND NI-CD RECHARGABLE BATTERIES WERE NOT AVAILABLE.
- AT LEAST 2 METERS WERE NOT AVAILABLE ONBOARD.
- METER WOULD NOT HOLD CHARGE.
- RADIANT BULB WAS DAMAGED/MISSING.
- WICK WAS EXCESSIVELY DIRTY OR MISSING.

OPNAVINST 5100.19D, B0204, APPENDIX B2-C

MEDICAL SURVEILLANCE, HEARING CONSERVATION, PERMANENT THRESHOLD SHIFTS:

- ALL PERMANENT THRESHOLD SHIFTS REPORTED BY THE MDR HAD NOT BEEN LOGGED.

(>= 15 DB FOR 1-4K OR >= 10 DB AT 2,3 & 4K)

- THE LOG ENTRY DID NOT INCLUDE NAME, RATE OR RANK, WORKCENTER, AND TIME ONBOARD.
- LOG OF PERMANENT THRESHOLD SHIFTS WAS NOT PERIODICALLY REVIEWED BY THE SAFETY OFFICER TO DETERMINE TRENDS THAT COULD INDICATE INADEQUATE USE OF HEARING PROTECTION OR UNCONTROLLED OVEREXPOSURE TO EXCESSIVE NOISE LEVELS.

OPNAVINST 5100.19D, B0402B(2), B0404A, & B0409

MEDICAL SURVEILLANCE, ASBESTOS, PAST EXPOSURE:

THE MDR DID NOT HAVE AN ASBESTOS MEDICAL SURVEILLANCE PROGRAM (AMSP) IMPLEMENTED/HAD THE FOLLOWING DEFICIENCIES:

- THE INITIAL MEDICAL QUESTIONNAIRE, DD2493-1, HAD NOT BEEN FILLED OUT BY ALL ASBESTOS-EXPOSED CREW MEMBERS AND ENTERED INTO MEDICAL RECORDS.
- ASBESTOS PHYSICAL EXAMS AND REQUIRED FOLLOW-UP EXAMS HAD NOT BEEN PROVIDED TO ALL CREW MEMBERS INCLUDED IN THE AMSP.
- ALL PERSONNEL WITH PAST/PRESENT EXPOSURE TO ASBESTOS HAD NOT RECEIVED THE REQUIRED PERIODIC/TERMINATION PHYSICAL EXAM.

OPNAVINST 5100.19D, B0108F, B0109G, APP B1-C PARA 5
NEHC TECH MANUAL, MED SURVEILLANCE PROCEDURES MANUAL &
MEDICAL MATRIX

MEDICAL SURVEILLANCE, HEARING CONSERVATION, AUDIOGRAMS:

MEDICAL RECORD REVIEW OF ____ PERSONS WHO WERE UNDER MEDICAL SURVEILLANCE FOR HEARING CONSERVATION INDICATED ____ DID NOT HAVE CURRENT BASELINES/ANNUAL AUDIOMETRIC EXAMINATIONS/FOLLOW-UP EXAMINATIONS. ALL PERSONNEL ASSIGNED TO DUTIES IN DESIGNATED NOISE HAZARDOUS AREAS OR OPERATING NOISE HAZARDOUS EQUIPMENT HAD NOT BEEN INCLUDED IN THE HEARING CONSERVATION PROGRAM/HAD NOT RECEIVED AN ANNUAL AUDIOGRAM. SONAR TECHNICIANS DID NOT RECEIVE AN ANNUAL AUDIOGRAM.

OPNAVINST 5100.19D, B0407B
COMSUBLANT/PACINST 6000.2C, ART 7.1.8

OFF-DUTY SAFETY, TRAINING:

- QUARTERLY RAHS HAZARD AWARENESS TRAINING WAS NOT CONDUCTED.
- RAHS TRAINING RECORDS WERE NOT MAINTAINED FOR TWO YEARS.NONE

OPNAVINST 5100.25A, PARA 5C(5)(C)

PPE, PROVISION:

DIVISION OFFICERS DID NOT ENSURE THAT PERSONAL PROTECTIVE EQUIPMENT WAS PROPERLY MAINTAINED/WAS NOT PROVIDED.

- DOCUMENTED TRAINING FOR RESPIRATOR USERS WAS NOT GIVEN PRIOR TO RESPIRATOR USE AND ANNUALLY THEREAFTER.
- DEPARTMENT HEADS, DIVISION OFFICERS, LEADING PETTY OFFICERS, AND THE MDR WERE NOT TRAINED ANNUALLY ON THE RECOGNITION OF WORK REQUIRING RESPIRATORS, RESPIRATORY PROTECTION PROCEDURES, AND PROPER USE OF RESPIRATORS.

OPNAVINST 5100.19D, B1202C

PPE, GLOVES:

- PERSONNEL WORKING WITH CAUSTIC OR TOXIC MATERIALS WERE NOT PROVIDED WITH GLOVES SUITABLE FOR HANDLING THE MATERIAL.
- KEVLAR GLOVES WERE NOT BEING USED DURING OPERATION OF THE TDU.
- SURGICAL GLOVES WERE INCORRECTLY USED FOR CLEANING OR CHEMICAL USE.
- ELECTRICAL SAFETY GLOVES WERE INCORRECTLY USED FOR CLEANING OR CHEMICAL USE.

OPNAVINST 5100.19D, B1203C(3)

PPE, HARNESSSES AND LANYARDS:

- PERSONNEL WORKING ALOFT OR OVER-THE-SIDE WERE NOT PROVIDED WITH A PARACHUTE-TYPE SAFETY HARNESS, WITH A DYNA-BRAKE SAFETY LANYARD.
- PARACHUTE-TYPE SAFETY HARNESSSES, WITH A DYNA-BRAKE SAFETY LANYARD MUST BE HUNG WHEN NOT IN USE.

OPNAVINST 5100.19D, B1203E

PPE, TRAINING:

DIVISION OFFICERS DID NOT ENSURE THAT PERSONNEL WHO WERE REQUIRED TO WEAR OR USE PERSONAL PROTECTIVE EQUIPMENT WERE ADEQUATELY TRAINED ON THE TYPE AND PROPER USE OF PPE.

OPNAVINST 5100.19D, B1202C

RESP PROT, PROGRAM ROSTER:

THE RPM (SAFETY OFFICER) DID NOT MAINTAIN A ROSTER OF PERSONNEL ENROLLED IN RESPIRATORY PROTECTION.

OPNAVINST 5100.19D, B0615E(2)(B)

RESP PROT, PROGRAM MANAGER TRAINING:

THE RESPIRATORY PROTECTION MANAGER (SAFETY OFFICER) HAD NOT COMPLETED THE RPM FORMAL COURSE, A-4J-0082.

COURSES ARE AVAILABLE FROM THE NAVAL OCCUPATIONAL SAFETY AND HEALTH AND ENVIRONMENTAL TRAINING CENTER.

OPNAVINST 5100.19D, B0615B
COMSUBLANT/COMSUBPACINST 5400.38 OR 5400.39

RESP PROT, MEDICAL EVALUATION:

- THE MDR DID NOT COMPLETE THE RESPIRATOR MEDICAL SCREENING FORM (APPENDIX B6-A) TO MEDICALLY QUALIFY PERSONNEL REQUIRED TO USE RESPIRATORY PROTECTION, OR SEND THE INDIVIDUALS TO THE SQUADRON FOR SUCH QUALIFICATION.
- RESPIRATOR MEDICAL QUALIFICATION ENTRIES WERE NOT MADE IN MEDICAL RECORDS.

OPNAVINST 5100.19D, B0615A(4)

RESP PROT, USER TRAINING:

- DOCUMENTED TRAINING FOR RESPIRATOR USERS WAS NOT GIVEN PRIOR TO RESPIRATOR USE AND ANNUALLY THEREAFTER.
- DEPARTMENT HEADS, DIVISION OFFICERS, LEADING PETTY OFFICERS, AND THE MDR WERE NOT TRAINED ANNUALLY ON THE RECOGNITION OF WORK REQUIRING RESPIRATORS, RESPIRATORY PROTECTION PROCEDURES, AND PROPER USE OF RESPIRATORS.

OPNAVINST 5100.19D, B0615A(1) & B0615G

RESP PROT, FIT-TESTING:

RESPIRATOR FIT-TESTING HAD THE FOLLOWING DEFICIENCIES:

- FIT-TESTING HAD NOT BEEN CONDUCTED.

OPNAVINST 5100.19D, B0615E(2)F

SAFETY MNGMNT, BASELINE SURVEY REPORT:

BASELINE INDUSTRIAL HYGIENE (IH) SURVEY REPORT DID NOT INCLUDE THE FOLLOWING REQUIRED ELEMENTS:

- LIST OF EYE HAZARDOUS AREAS/PROCESSES.
- LIST OF NOISE HAZARDOUS AREAS/OPS.
- DETAILED WORKCENTER HAZARD EVALUATION RESULTS (PROCESSES AND CONTAMINANTS).
- SAMPLING RESULTS.
- MEDICAL SURVEILLANCE REQUIREMENTS.
- ROUTINE MONITORING LIST.
- SUMMARY OF CONTROLS (VENTILATION, RESPIRATORY PROTECTION, AND PPE REQUIREMENTS).

NOTE: BASELINE IH SURVEYS CAN BE OBTAINED FROM THE LOCAL NAVY ENVIRONMENTAL AND PREVENTIVE MEDICINE UNIT OR THE LOCAL BUMED SUPPORT ACTIVITY (NAVAL HOSPITAL/NAVAL MEDICAL CLINIC).

IH SURVEY INFORMATION:

CONDUCTED BY

(COMMAND): _____

SURVEY DATE: _____

POC: _____

SIGNED BY: _____

OPNAVINST 5100.19D, A0304B

SAFETY MNGMNT, WORKPLACE INSPECTIONS:

A SAFETY INSPECTION WAS NOT CONDUCTED OF EVERY WORK SPACE ABOARD THE SUBMARINE WITHIN THE PAST YEAR (MAY BE CONDUCTED AS PART OF THE ZONE INSPECTION PROGRAM).

OPNAVINST 5100.19D, A0303B

SAFETY MNGMNT, SAFETY OFFICER TRAINING:

- THE SAFETY OFFICER DID NOT ATTEND THE SUBMARINE SAFETY OFFICER COURSE (A-4J-0020) PRIOR TO OR WITHIN SIX MONTHS OF ASSUMING THAT DUTY.

OPNAVINST 5100.19D, A0203C(14)

SAFETY MNGMNT, MEDICAL INJURY REPORTS:

- THE MDR DID NOT PROVIDE COPIES OF INJURY REPORTS TO THE CO AND SAFETY OFFICER.
- WERE NOT SUBMITTED IN A TIMELY AND ACCURATE MANNER (WITHIN 30 DAYS OF OCCURRENCE)
 - SAFETY OFFICER DID NOT MAINTAIN A COMPLETE FILE (REPORTS RETAINED FOR 5 YEARS) OF MISHAP REPORTS TO INCLUDE INTERNAL/NEAR MISHAP REPORTS, AND INJURY REPORTS.
 - MISHAP REPORTS WERE INCOMPLETE OR INCORRECTLY WRITTEN (WRONG REPORT FORMAT OR REFERENCE) LIST SPECIFICS FOR EACH CATEGORY: INJURY
 - SPECIAL CASE
 - OFF-DUTY
 - TRAFFIC

OPNAVINST 5100.19D, A0203D(3)

SAFETY MNGMNT, SAFETY TRENDS:

- THE SAFETY OFFICER DID NOT MAINTAIN AND ANALYZE NAVOSH RECORDS (INSPECTIONS, SURVEYS, INJURY REPORTS, HAZARD REPORTS, & MISHAP STATISTICS) TO DETERMINE TRENDS.
- DID NOT MEET AT LEAST QUARTERLY.
 - MDR, COB, AND DEPT HEAD DID NOT ATTEND.
 - CO OR XO DID NOT PARTICIPATE.
 - MEETING MINUTES WERE NOT MAINTAINED/AVAILABLE.
 - SAFETY OFFICER DID NOT ATTEND.

OPNAVINST 5100.19D, A0203C(6), A0602M

SAFETY MNGMNT, COUNCIL DEFICIENCIES:

- THE SAFETY COUNCIL WAS DEFICIENT AS INDICATED:
- DID NOT MEET AT LEAST QUARTERLY.
 - MDR, COB, AND DEPT HEAD DID NOT ATTEND.
 - CO OR XO DID NOT PARTICIPATE.
 - MEETING MINUTES WERE NOT MAINTAINED/AVAILABLE.
 - SAFETY OFFICER DID NOT ATTEND.

OPNAVINST 5100.19D, A0203H

SAFETY MNGMNT, HAZARD REPORTS:

- SAFETY HAZARD REPORTS WERE NOT AVAILABLE TO ALL HANDS.
- WHEN REPORTS WERE SUBMITTED BY CREW MEMBERS, CONDITIONS WERE NOT INVESTIGATED AND RESPONSES WERE NOT PROVIDED PROMPTLY (WITHIN 10 DAYS).
- RESPONSES TO APPEALS, REGARDING CONDITIONS REPORTED TO THE COMMANDING OFFICER, WERE NOT PROVIDED PROMPTLY (WITHIN 10 DAYS).

OPNAVINST 5100.19D, A0307A, A0307B, A0307E, A0307G

SAFETY MNGMNT, BASELINE IH SURVEY:

- A BASELINE INDUSTRIAL HYGIENE (IH) SURVEY HAD NOT BEEN CONDUCTED.
- THE BASELINE IH REPORT WAS INCOMPLETE.
- THE FINAL BASELINE IH REPORT HAD NOT BEEN RECEIVED.

NOTE: BASELINE IH SURVEYS CAN BE OBTAINED FROM THE LOCAL NAVY ENVIRONMENTAL AND PREVENTIVE MEDICINE UNIT OR THE LOCAL BUMED SUPPORT ACTIVITY (NAVAL HOSPITAL/NAVAL MEDICAL CLINIC).

OPNAVINST 5100.19D, A0304B

SAFETY MNGMNT, ACCIDENT AND INJURY REPORTS:

- ACCIDENT/INJURY REPORTS WERE NOT PROVIDED TO THE SAFETY OFFICER.
- INTERNAL INVESTIGATIONS WERE NOT CONDUCTED ON ALL MISHAPS OR ACCIDENTS/INJURIES.

OPNAVINST 5100.19D, A0203D(3)

SAFETY MNGMNT, MISHAP REPORTING:

MISHAP REPORTS INCLUDING OFF-DUTY AND TRAFFIC SAFETY HAD THE FOLLOWING DEFICIENCIES:

- WERE NOT SUBMITTED IN A TIMELY AND ACCURATE MANNER (WITHIN 30 DAYS OF OCCURRENCE)
- SAFETY OFFICER DID NOT MAINTAIN A COMPLETE FILE (REPORTS RETAINED FOR 5 YEARS) OF MISHAP REPORTS TO INCLUDE INTERNAL/NEAR MISHAP REPORTS, AND INJURY REPORTS.
- MISHAP REPORTS WERE INCOMPLETE OR INCORRECTLY WRITTEN (WRONG REPORT FORMAT OR REFERENCE) LIST SPECIFICS FOR EACH CATEGORY:
 - INJURY
 - SPECIAL CASE
 - OFF-DUTY
 - TRAFFIC

OPNAVINST 5100.19D, A0605B(6), A0605K(4), A0609, CHAPTER A6

SAFETY MNGMNT, NAVOSH TRAINING:

- ALL PERSONNEL DID NOT RECEIVE NAVOSH PROGRAM TRAINING UPON REPORTING ABOARD AND ANNUALLY THEREAFTER.
- THERE WAS NO DOCUMENTATION AVAILABLE ON ALL HANDS/I-DIV NAVOSH TRAINING. NAVOSH INDOC TRAINING DID NOT INCLUDE ALL OF THE FOLLOWING TOPICS:
 - INTRO TO NAVOSH, IDENTIFICATION OF POCS, CHAIN OF COMMAND, AND MISHAP REPORTING.
 - HAZARD IDENTIFICATION AND RISK ASSESSMENT.
 - SAFETY PRECAUTIONS AND STANDARDS.
 - MISHAP PREVENTION AND BACK INJURY PREVENTION.
 - HAZARDOUS MATERIAL EMERGENCY SPILL RESPONSE.

NOTE: MAY BE INTEGRATED INTO PHASE 1 SUBMARINE QUAL.

OPNAVINST 5100.19D, A0502C, APP A5-A

SAFETY MNGMNT, SAFETY OFFICER:

- A COMMAND COLLATERAL DUTY SAFETY OFFICER, E-7 OR ABOVE, WAS NOT DESIGNATED BY THE COMMANDING OFFICER (COLLATERAL DUTY LIST).

OPNAVINST 5100.19D, A0203B
COMSUBLANT/PACINST 5400.39 OR 5400.38

SAFETY MNGMNT, DEFICIENCY ABATEMENT:

THE SAFETY OFFICER DID NOT UTILIZE DISCREPANCY SHEETS FROM ASSIST VISITS, ZONE INSPECTIONS, CSMP ENTRIES, AND OTHER INSPECTIONS TO IDENTIFY HAZARDS AND ENTER THESE HAZARDS INTO THE NAVOSH DEFICIENCY ABATEMENT PLAN.

NOTE: THIS PROGRAM IS AVAILABLE ON THE INSURV WEBSITE (WWW.INSURV.NAVY.MIL)

OPNAVINST 5100.19D, A0404B, A0404F

SAFETY MNGMNT, BACK INJURY TRAINING:

COMMAND BACK INJURY TRAINING WAS NOT CONDUCTED AS PART OF ALL-HANDS INDOCTRINATION TRAINING (MAY BE INTEGRATED INTO PHASE I SUBMARINE QUAL).

OPNAVINST 5100.19D, A0503C(5)

SIGHT CONSERVATION, EYE HAZARD STRIPING AND SIGNS:

EYE HAZARDOUS AREAS WERE NOT PROPERLY MARKED WITH BOTH DECK STRIPING AND CAUTION SIGNS AT THE FOLLOWING LOCATIONS:
- INDUSTRIAL EQUIPMENT (GRINDERS/LATHES/DRILL PRESSES).
- BATTERY WELL ENTRANCE.

OPNAVINST 5100.19D, B0504B
CAUTION EYE PROTECTION SIGN - 9Q-9905-01-100-8203

SIGHT CONSERVATION, EYE HAZARD LIST:

THE SAFETY OFFICER DID NOT MAINTAIN A LISTING OF AREAS, PROCESSES AND OPERATIONS WHICH REQUIRE EYE PROTECTION, AND AREAS THAT REQUIRE AN EYEWASH. ONLY IF NOT PROVIDED IN THE IH SURVEY.

OPNAVINST 5100.19D, B0502A(2)

SIGHT CONSERVATION, SAFETY EYEWEAR:

PROTECTIVE EYEWEAR (SAFETY GLASSES, PRESCRIPTION SAFETY GLASSES, GOGGLES, FACE SHIELDS, CHIPPING GOGGLES, WELDING HELMETS, WELDING GOGGLES, FACE SHIELDS) BEING WORN, BOTH CORRECTIVE AND NON-CORRECTIVE:
- WERE NOT STAMPED "Z87".
- WERE NOT IN GOOD CONDITION (CLEAN AND UNDAMAGED).
- WERE NOT MADE AVAILABLE.
- REQUIRED PROTECTIVE EYEWEAR WAS NOT BEING WORN.

OPNAVINST 5100.19D, B0506 & APP B5-A

TAG-OUT, LOG AND RECODKEEPING:

THE FOLLOWING DEFICIENCIES WERE NOTED:

- DID NOT HAVE A COPY OF THE TAG-OUT BILL (OPNAVINST 3120.32C) MAINTAINED IN THE TAG-OUT LOG.
- DID NOT MAINTAIN COPIES OF CURRENT AND CLEARED TAGS.
- LOG SHEETS DID NOT INCLUDE SERIAL NUMBERS, LOCATION, DATE AND TIME, SIGNATURES, AND SAFETY HAZARD.
- AUDITS OF THE TAG-OUT LOG WERE NOT RECORDED IN THE LOG.
- TAG-OUT AUDITS WERE NOT CONDUCTED AT LEAST BI-WEEKLY (OR AS REQUIRED BY SHIP'S OWN INSTRUCTION IF APPLICABLE).
- SHEETS WERE MISSING.
- ENTRIES WERE INCOMPLETE.
- AUTHORIZING OFFICERS WERE NOT DESIGNATED IN WRITING BY NAME, POSITION, OR BILLET.
- DANGER/CAUTION TAG COMPONENT LOCATION DID NOT MATCH THE LOCATION WHERE THE TAG WAS HUNG.
- DANGER/CAUTION TAG WAS NOT COMPLETED CORRECTLY.

OPNAVINST 5100.19D, B1102A

OPNAVINST 3120.32C, SEC 630.17

NAVSEA S0400-AD-URM-101 TAGOUT USERS'S MANUAL (TUM)

TAG-OUT, TRAINING:

- ALL NEWLY REPORTING PERSONNEL DID NOT RECEIVE INDOCTRINATION TRAINING ON THE TAG-OUT PROGRAM.
- PERSONNEL ASSIGNED TO PREPARE TAG-OUTS, REVIEW TAG-OUTS, POSITION EQUIPMENT, POST TAGS, CHECK POSTED TAGS, CLEAR TAGS, OR PERFORM TAG AUDITS WERE NOT QUALIFIED ON THE TAG-OUT USER'S MANUAL (COMPLETION OF EM PQS, WATCHSTATION 301).

OPNAVINST 5100.19D, B1102

NAVSEA S0400-AD-URM-101 TAGOUT USERS'S MANUAL (TUM)

TRAFFIC SAFETY, COMMAND PROGRAM:

THE COMMAND DID NOT HAVE A TRAFFIC SAFETY PROGRAM.

- TRAFFIC SAFETY BRIEFS WERE NOT PROVIDED PRIOR TO MAJOR HOLIDAYS, EXTENDED WEEKENDS, OR LIBERTY PERIODS.
- TRAFFIC SAFETY BRIEFS WERE NOT DOCUMENTED.

OPNAVINST 5100.12G, PARA 5(C)(5)

TRAFFIC SAFETY, ALL HANDS TRAINING:

- TRAFFIC SAFETY BRIEFS WERE NOT PROVIDED PRIOR TO MAJOR HOLIDAYS, EXTENDED WEEKENDS, OR LIBERTY PERIODS.
- TRAFFIC SAFETY BRIEFS WERE NOT DOCUMENTED.

OPNAVINST 5100.12G, PARA 7(E)(2)