

THE FMSB NEWSLETTER

Volume 16

<http://www.nnsy1.navy.mil/FMSB>

August 2002

PLEASE READ YOUR ORDERS

Jim Null

All FMSB "in-house" courses (NPC, QAOC, NTSC, PPTSC) are detailer controlled. All PCS and TAD attendees must obtain billets from the appropriate detailer. FMSB may attempt to do a "last minute" fill of any open billets.

On several occasions attendees have reported for the course without reading and following their orders. ALL PCS orders state the member is to contact FMSB several weeks prior to the class convening date. ALL TAD students should contact FMSB as soon as they are notified they have an assigned billet. When contacted, FMSB will provide the attendee a Welcome Aboard Package and detailed instructions for check-in.

FMSB COURSE SCHEDULE

Nuclear Planners Course

NPC 03-1 21 Jan – 25 Feb 2003

NPC 03-2 28 Jul – 29 Aug 2003

Quality Assurance Officers Course

QAOC 03-1 7 Oct – 8 Nov 2002

QAOC 03-2 21 Apr – 22 May 2003

Nuclear Trade Skills Course

NTSC 03-1 1 Oct – 13 Nov 2002

NTSC 03-2 3 Mar – 11 Apr 2003

NTSC 03-3 14 Jul – 22 Aug 2003

PVO TRAINING

Phil Doyle

Approximately three years ago, COMNAVAIRLANT tasked FMSB to develop a PVO course for initial and refresher training. The course was developed and taught at FMSB and at several other sites. The feedback from attendees was very positive and as a result, NAVSEA tasked FMSB with distributing the course to fleet activities. The objective of this endeavor is to provide a complete course that the fleet can utilize to train primary plant valve operators. The Primary Valve Operator Student Guides, Instructor Guides, PowerPoint Presentations, and Qualification Guide have been reviewed by the Type Commanders and prototypes. Upon incorporation of comments, these training materials will be forwarded to NAVSEA for approval. "Train the Trainer" sessions will be scheduled through the TYCOMS and FMSB in FY 03.

PVO training is available for individual commands by contacting the applicable Type Command, then contacting FMSB (Jim Null).

FMSB COURSE SCHEDULE

Propulsion Plant Trade Skills Course

PPTSC 02-5 9 Sep - 27 Sep 2002

PPTSC 03-1 2 Dec – 20 Dec 2002

PPTSC 03-2 27 Jan – 14 Feb 2003

PPTSC 03-3 5 May – 23 May 2003

PPTSC 03-4 9 Jun – 27 Jun 2003

PPTSC 03-5 8 Sep – 26 Sep 2003

FMSB WEB PAGE

Mike Hardison

FMSB is now on the Web. You will find the dates for all our scheduled courses, course descriptions, detailed directions to our building, Subject Matter Experts with phone number and e-mail addresses, index of all the Basic Trade Skills Lesson Plans, index of all Quality Notes, and The FMSB Newsletter. Future issues will be posted when the Newsletter goes to printing. Come visit us at <http://www.nnsy1.navy.mil/FMSB>. If you have any comments or suggestions, please let us know.

UPCOMING TRAINING

Jim Null

FMSB is scheduled to conduct the following training:

- ┆ Norfolk Area Operating Unit Training, September 4 - 5, at Miller Hall. Topics will be SUBSAFE/ Controlled Assembly, Testing, Planning & Estimating and Researching Core Documents. POC: SSSU LCDR Dave Chapman, (757) 444-1281, X-4096. CNAP LT Greg Cleckler, (757) 445-2597.
- ┆ NRMD New London, August 19 - 23. Topics: Canopy Seal Cutting and Number 2 Universal Cutting Machine Refresher. POC CPO Robinson (860) 694-3218.
- ┆ NPTU Charleston, September 9 - 13. Topics: Technical References, System Repair Requirements, Controlled Material, Reactor and Steam Plant Cleanliness. POC CPO Light (843) 863-5586.
- ┆ NPTU Ballston Spa. September 16 to 20. Topics: Nuclear/non-nuclear interface, QA Forms, Format Changes, Format Research, Format 2, Reactor Plant/Steam Plant Cleanliness. POC LCDR Laura Roy (518) 884-3639.
- ┆ Pearl Harbor Operating Unit Training. September 23 - 27. Topics Technical Reference, Nuclear/Non-Nuclear Controlled Material, Reactor Plant/Steam Plant Cleanliness, Testing and SUBSAFE. POC: SSSU CWO2 Tim Queen (808) 473-1675.

RECENTLY COMPLETED TRAINING

Jim Null

FMSB recently completed the following training:

- ┆ San Diego Operating Unit Training. July 15 - 19. Topics: Valve Repair Techniques, Quality Assurance Documentation, Material Control, Cleanliness, and Mechanical Joint Makeup.
- ┆ USS NIMITZ Technical Assist, July 15 - 19. Topics: Steam Plant Cleanliness, Steam Valve Carbide Seat Cutter with Counterbore refurbishment.
- ┆ USS JOHN C. STENNIS Technical Assist, July 22 - 26. Topics: Steam Plant Cleanliness, Steam Valve Carbide Seat Cutter with Counterbore refurbishment.
- ┆ USS ABRAHAM LINCOLN. March 11 - 12. Topics: Reactor Plant/Steam Plant Cleanliness and Controlled Material for Junior Officers, CMPO, QAS, QAI, CWP writers and reviewers.
- ┆ New London Operating Unit Training, March 18 - 22. Topics: Selected Welding and NDT for Supervisors, TWD Format, SUBSAFE, Testing, Nuclear/Non-Nuclear Interface.
- ┆ Kings Bay Operating Unit Training March 25 - 29. Topics: Steam Valve Carbide Seat Cutter with Steam Plant Cleanliness and TWD Format.
- ┆ NPTU Charleston, April 22 - 26. Topics: Silver-brazing refresher hands-on training.
- ┆ USS THEODORE ROOSEVELT. April 29 - May 3. Topics: Primary Valve Operator Training.
- ┆ Nuclear Trade Skills Course 02-2 graduated April 26 with a full class of six. Attendees are reporting to various commands; NPTU (1), NRMD New London (2), NRMD Norfolk (1) and USS EMORY S. LAND (2).
- ┆ Propulsion Plant Trade Skills Course 02-3 graduated May 31 with a full class of six. Attendees are reporting to various commands; SIMA Norfolk (1), TRF KB (1), SSN/SSBN (3), CVN (1)
- ┆ Propulsion Plant Trade Skills Course 02-4 graduated June 28 with a full class of six. Attendees are reporting to various commands; SSN/SSBN (4), CVN (2).

REACTOR PLANT VALVE CARBIDE SEAT CUTTER BUSHING

John Henderson

A new guide bushing design for primary valve carbide cutter seat repair tool kits is now available. The new bushings utilize soft sealing members vice the metal-to-metal seal of the "old" style bushings, and can be used if B-port cleanliness plugs are not available. Both the "new" style and the "old" style guide bushings are still acceptable for use. There are differences in the installation process between the "old" and "new" style bushings.

New style guide bushings have a soft seal to the valve bridgewall. One-half inch valves use a pellethane FME barrier while the 1" and 2" valves use O-rings to seal against the bridgewall. Two inch valves also use O-rings to seal at the valve body pilot diameter. When using the "new" style guide bushing, the soft seal must be inspected for completeness, cleanliness and acceptable expiration date prior to use.

The bridgewall contact check will be made without the use of O-rings for 1" and 2" valves. Neolube will be applied to the guide bushing bridgewall contact surface. The bushing will be installed by hand until bridgewall-to-bushing contact is felt. Bushing will be removed and the absence of Neolube from the bushing contact surface will be evaluated, just as contact verification is evaluated on the "old" style bushings. Any evidence of Neolube removal is proof of an acceptable seal. Note that the 1/2" valve contact check will be done during bushing installation with the FME barrier installed on the guide bushing. If compression of the barrier can be felt during bushing installation and visually verified, then satisfactory contact has been achieved.

When satisfactory bridgewall contact has been verified, the O-rings will be installed onto the guide bushing and Neolube will be applied to all metal-to-metal mating surfaces.

Following Neolube application, the guide bushing will be installed and centered the same as it is accomplished on the "old" style bushing.

Three inch valves do not use a soft, bridgewall seal as the guide bushing wall is too thin. Stock numbers for the new bushings and FME barriers are as follows:

1/2" Guide Bushing, T23, NSN 5365-01-379-8111
FME Barrier T134C, NSN 5330-01-391-4830

1" Guide Bushing, T24, NSN 5120-01-371-4897
Parker Seal O-ring part # 2-029E515-80, NSN 5331-01-483-9119

2" Guide Bushing, T25, NSN 5365-01-379-8112
Parker Seal O-ring part # 2-033E515-80: NSN 5331-01-483-9124 (bridgewall seal)

MIL-STD-1330

LTJG Mike Riley IMF Bangor WA

IMF Bangor has identified a documentation problem with the Special Packaging Instructions for Oxygen Service Items. The drawing omitted the requirement to place the SMIC identifier "CP" on applicable parts. The drawing has been corrected and parts procured in the future should be correctly identified. However, incorrectly identified parts still exist in the supply system.

FOUR YEARS OF FMSB NEWSLETTERS

Jim Null

This issue marks the end of four years of FMSB Newsletters. It started out as a trial project with a limited distribution. Based on customer feedback, the distribution has more than doubled.

FUTURE ARTICLES

Jim Null

If you have a question or article of interest for *The FMSB Newsletter*, please let us know. We will conduct the research. Request deadline for the next issue is November 1, 2002. Write, E-mail, or call FMSB.

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Previous issues or articles are available by visiting the FMSB WebSite or contacting FMSB by phone or e-mail. (POC Jim Null)

DETAILERS

Detailer information is provided to assist in obtaining billets for FMSB scheduled courses.

Nuclear Planners Course (NPC)
 CANTRAC S-661-1022: ETCM (SS) Walker,
 p403cd@persnet.navy.mil, (901) 874-3627,
 DSN 882-3627, FAX (901) 874-2638.

Quality Assurance Officers Course (QAOC)
 CANTRAC S-4H-0001: LCDR Tom Armstrong
 p422a@persnet.navy.mil, (901) 874-3945, DSN
 882-3945, Fax (901)874-2648.

Nuclear Trade Skills Course (NTSC)
 CANTRAC S-661-1025: MMC (SS) Nystrom
 p403cg@persnet.navy.mil, (901) 874-3628,
 DSN 882-3628.

Propulsion Plant Trade Skills Course (PPTSC)
 CANTRAC S-661-1026 MMC (SS) Nystrom,
 p403cg@persnet.navy.mil, (901) 874-3628,
 DSN 882-3628.

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Butch Estridge - Trade Skills, valve replacement, pipe-
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 John Henderson - Valve Repair, PVO, Trade Skills,
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Tim Tew - FWP/CWPs, ShipAlts, JFMM
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 Beverly Verble - Course Scheduling
 VerbleBS@nnsy.navy.mil, (757) 393-7144
Hod Verble - Reactor/ Steam Plant Cleanliness, Material
Control, VerbleHL@nnsy.navy.mil, (757) 393-7139

When contacting FMSB by e-mail, send the e-mail to two or more people. That way if someone is on leave or travel, another person can contact you.

NNSY CODE 138 WELDING & NDT

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REQUEST WIDEST DISSEMINATION WITHIN THE REPAIR/TRAINING ORGANIZATION OF YOUR ACTIVITY