

THE FMSB NEWSLETTER

Volume 20

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August 2003

LUBRICANTS

Hod Verble

Using the correct lubrication is important during a repair effort. The wrong lubricant can cause damage to the system/component internals. When required, the Technical Work Document performing the work should specify the lubricant by specification, name and number, and National Stock Number. Always check the source document (e.g., Component Technical Manual, Technical Repair Standard, Naval Ships' Technical Manual, Valve Repair Standard) for the required lubricant to be used in a particular portion of the system. Incorrect lubrication can effect the service life of the system/component being repaired by affecting final torque, exposing the system to detrimental material, degrading gasket, seals and packing material, or by causing flammable/explosive effects. The Joint Fleet Maintenance Manual, Volume V, Part I, Chapter 5, paragraph 5.4.7 is a good starting point for information concerning lubrication.

BEQ/BOQ

Jim Null

Individual students must make their own BEQ/BOQ reservations for all FMSB classes. In the event there is a lack of room availability, the student will be issued a Blanket Purchase Agreement (BPA) certificate to stay in a local hotel. DO NOT make reservations at the main base (NOB) or the Navy Lodge. FMSB is located at Norfolk Naval Shipyard. FMSB courses are structured such that if a student that is continually late due to traffic problems, the student may be disenrolled. Parent commands for TAD students should authorize the applicable per diem in the TAD orders.

BEQ reservations: (757) 396-0986, DSN 386-0986, FAX 396-1481

BOQ reservations: (757) 396-2887, DSN 386-2887, FAX 396-2944

FMSB COURSE SCHEDULE

Propulsion Plant Trade Skills Course

PPTSC 03-5 08 Sep - 26 Sep 2003
PPTSC 04-1 26 Jan - 06 Feb 2004
PPTSC 04-2 03 May - 14 May 2004
PPTSC 04-3 07 Jun - 18 Jun 2004
PPTSC 04-4 12 Jul - 23 Jul 2004
PPTSC 04-5 16 Aug - 27 Aug 2004

FMSB COURSE SCHEDULE

Nuclear Planners Course

NPC 04-1 20 Jan - 24 Feb 2004
NPC 04-2 26 Jul - 27 Aug 2004

Quality Assurance Officers Course

QAOC 04-1 06 Oct - 07 Nov 2003
QAOC 04-2 19 Apr - 20 May 2004

Nuclear Trade Skills Course

NTSC 04-1 07 Oct - 19 Nov 2003
NTSC 04-2 01 Mar - 09 Apr 2004

NUCLEAR AND NON-NUCLEAR TESTING

Mike Dodson

When conducting hydrostatic testing always use the correct test rig determination and inspection check off list provided by CINCLANTFLT/CINCPACFLTINST 4790.3, Joint Fleet Maintenance Manual, Volume IV, Chapter 20. The requirements for test equipment and the approved overpressure pressure protection points are different for Nuclear and Non-Nuclear Testing. Although the check off lists are not all-conclusive they do provide the minimum requirements for the types of gages, relief valves and hydrostatic test pumps used for the different types of tests. For more detailed requirements refer to NAVSEA 0387-046-8000, System Hydrostatic Test Requirements Manual for nuclear testing. For non-nuclear testing refer to NAVSEA S9086-RJ-STM-000 - NSTM Chapter 504, Pressure, Temperature and Other Mechanical and Electromechanical Measuring Instruments.

RECENTLY COMPLETED TRAINING

Jim Null

FMSB recently completed the following training:

- Primary Valve Operator "Train the Trainer" at FMSB facility, 7 – 16 July for USS HARRY S TRUMAN and USS THEODORE ROOSEVELT.
- NPTU Ballston Spa, 27 July to 1 August. Topics included Silver Brazing, pipe cutting and end-prepping. FMSB also reviewed the welding and NDT program.
- Norfolk area Operating Unit Training. 12 – 14 August. Topics included: QA Forms workshop, Planning and Estimating, TWD Changes, and TWD Format I & II.

UPCOMING TRAINING

Jim Null

FMSB is scheduled to conduct the following training:

- ❖ NPTU Charleston, September 2003, Topics include: #2 universal cutting machine, socket cutter, three wheel roller cutter.
- ❖ USS FRANK CABLE and tended units, 22 – 26 September. Topics include: Package preparation and format, Format I & II, Controlled Material, Steam Plant Cleanliness, Training and Qualification, QA Forms workshop.

PSNS TOOLING

Dean Norman

Puget Sound Naval Shipyard (PSNS) is changing to "Mission Funding" beginning October 1, 2003. As a result, tools purchased directly from PSNS's local supply system will no longer be available after October 1st. These tools are being transferred to NAVICP and those that previously were only available at PSNS will be assigned National Stock Numbers and made available through NAVICP/FISC.

The "3-Fluted Bore Guided" High Pressure "HP" valve B-port plugs are now stocked locally at PSNS. By October 2003, these plugs should also be available through NAVICP/FISC. These plugs are designed with a built-in tab for positive control. This eliminates the need for a lanyard wire and control ring, which often interfere with valve maintenance or machining. Without a lanyard wire, the user also has the ability to install an Emergency Closure, if needed. The next revision of the Cleanliness Requirements for Nuclear Propulsion Plant Maintenance by Forces Afloat, NAVSEA 0989-064-3000, is being revised to show these plugs. POC Dean Norman, Tooling Program Manager, PSNS, (360) 476-3665, normand@psns.navy.mil.

TYCOM/NPTU/NAVSEA FMSB CONFERENCE

Mike Hardison

FMSB hosted a conference 25 May 2003 with the Type Commanders, Nuclear Power Training Units, and NAVSEA. This was follow-up to the conference held in November 2002. Several items were agreed to that had been discussed during the previous conference. Highlights were that the Propulsion Plant Trade Skills Course will be reduced from 3 weeks to 2 weeks in length by eliminating the pipe cutting and pipe end weld prep portion. Course loading will be increased from 6 to 12 students. Both of these course changes will begin in FY04. The Nuclear Trade Skills Course will be reduced from 3 to 2 classes per year.

FMSB has been working on a Quality Maintenance Course for the Type Commanders, which is intended for Submarine Quality Assurance Officers and senior QA personnel aboard submarines and CVNs. Hopefully, this course will be delivered to the fleet in FY04. FMSB will be the course curriculum manager and the Type Commanders will schedule courses and manage student loading

Other issues dealt with the budgeting process and how best to deliver FMSB products to the fleet. These are on-going items for discussion.

NEW VALVE SEAT REPAIR TOOL DESIGN

John Henderson

Recently, Bechtel Plant Machinery Inc. (BPMI) incorporated a new NAVSEA design air-operated reverse-seated globe valve (AORSGV) to Chapter 4 of NAVSEA 0989-150-0000. The AORSGV replaces the wide angle seat with a narrower angle seat. Be aware of the fact that the carbide cutter seat repair (CCSR) tool kit currently available through the Navy Supply System (NSN 5110-01381-0841 X5) is not intended for use to repair the new valve design with the narrower angle seat. Puget Sound Naval Shipyard (PSNS) is working to modify the current CCSR kit to either include narrower angle parts, or to provision an entirely separate kit for narrower angle valves. Future newsletter articles will provide updated information. For a complete listing of Allowance Parts List (APL) and NSN information for CCSR tool kits available through the Navy Supply System, please contact John Henderson or Chuck Davis at FMSB.

DETAILERS

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

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

Nuclear Trade Skills Course (NTSC)
CANTRAC S-661-1025: MM1 (SS) Richmond
p403cg@persnet.navy.mil, (901) 874-3628,
DSN 882-3628.

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.

**Propulsion Plant Trade Skills Course
(PPTSC) CANTRAC S-661-1026 MMC (SW)**
Goodman, p403cr@persnet.navy.mil, (901)
874-3632, DSN 882-3632.

FUTURE ARTICLES

Jim Null

If you have a question and/or articles of interest for The FMSB Newsletter, please let us know. If necessary, FMSB will conduct the research. Request deadline for the next issue is October 17, 2003. 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)	

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TuckerSR@nnsy.navy.mil.

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.

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