



DEFENSE LOGISTICS AGENCY
DEFENSE REUTILIZATION AND MARKETING SERVICE
74 WASHINGTON AVENUE NORTH, SUITE 6
BATTLE CREEK, MICHIGAN 49017-3092

IN REPLY
REFER TO


DRMS-BCD

MEMORANDUM FOR: STEVEN G. BOWYER, AREA MANAGER, CENTRAL
DRMO LEWIS

SUBJECT: OFF-SITE DEMIL Surveillance Plan for: Submarine Propeller Blades.

Reference e-mail dated 9 March 2006 regarding subject plan. Property approved for Off-Site demilitarization as a condition of sale, is one submarine propeller hub and 119 individual blade pieces. Total weight is estimated to be 160,700 lbs of Nickel, Aluminum, Bronze, MIL-B-24480, ALLOY 985800 and 34,160 lbs of Manganese, Nickel, Aluminum, Bronze, MIL-B-24480, ALLOY 2. This plan is approved as written.

Point of contact is Al Fuller, DRMS-BCD, DSN 661-5743, e-mail:
Almarris.Fuller2@dla.mil


KEVIN TOURJIE
Chief, Demil Branch
Directorate of Disposition Mgmt.

cc:
Greg Ortiz



A. FULLER/BCD/x5743/Mar 10 2006/

BCD AF 3/10

DRMS-QKD



DEFENSE LOGISTIC AGENCY
DEFENSE REUTILIZATION AND MARKETING SERVICE
DEFENSE REUTILIZATION AND MARKETING OFFICE
MS 41, BOX 339500
FORT LEWIS, WA. 98433-9500

IN REPLY
REFER TO:

DRMO-OWDO

9 March 2006

SUBJECT: Demil Off-Site Surveillance Plan for Submarine Propeller Blades

To: DRMS-BCD

1. References:

- a. DoD 4160.21-M-1, Appendix 4, Category VI, paragraph E.4
- b. DRMS-I 4160.14, Vol VII.
- c. DTID: **N4934860668800**
- d. Unit of Issue: 194,860 LBS
- e. Serial Numbers: See attachment 1
- f. NAVSEA letter 9770 Ser. **392CF/0045** of 10 February 2005, Disposition of Excess Submarine Propellers **from** Inactivated Submarines.
- g. NAVSEA letter 9770 Ser. **392A33/9015** of 3 Feb 1999, Change to **Demilitarization** Code for Submarine Propellers Blades.
- h. Nickel, Aluminum, Bronze, Scrap: Property located at **Yermo** Annex, **Barstow**, CA and Puget Sound Naval Shipyard, **Bremerton**, WA.

Consisting of 1 submarine propeller hub and 119 individual blade pieces. Blades will be cut from hubs by government. **Total** weight of items is estimated to be 160,700 lbs of Nickel, Aluminum, Bronze, MIL-B-24480, ALLOY 95800 and 34,160 lbs of Manganese, Nickel, Aluminum, Bronze, **MIL-B24480**, ALLOY 2. Individual propeller blade pieces, pitched and tapered propeller blades are approximately six (6) feet long, thirty-seven (37) inches **wide**, eight (8) inches at thickest point. Approximate weight of each blade is one thousand two hundred (**1,200**) lbs up to one thousand six hundred (1,600) lbs. Approximate weight of hub is ten thousand (10,000) lbs up to **fifteen** thousand (**15,000**) lbs. Also, there will be approximately ten (10) fifty-five (55) gallon barrels of cutting slag which is included in sale. May contain other foreign attachments and material.

Note: Sizes and weights are not uniform and may vary slightly due to cutting **process** during disassembly.

The propeller blades require off-site Demilitarization by melting through a furnace or smelting plant within the Continental United States. " No cutting is allowed". This will be strictly enforced.


- i. Property Location: Yermo Annex, **Barstow**, CA and Puget Sound Naval Shipyard, Bremerton, WA
2. **Demil Code "F" verified** correct per letter, Commander, Naval Sea Systems Command, dated **3 February 1999**.
 3. Demilitarization as condition of sale is the most economical method. Yermo Annex, Puget Sound Naval Shipyard or DRMS Demilitarization Centers do not have the facilities or capabilities to demilitarize the propeller blades as required by the Naval Sea Systems Command.
 4. Method and Degree:
 - a. Demilitarize off Government premises only.
 - b. Demilitarization accomplished by:
 - (1) Melting by processing through a **furnace** or smelting plant.
 - (2) Direct **furnace/smelt** shipment on flatbed trailer in covered containers which will provide **intransit** security from the Government installation to either a furnace or smelting site.
 - c. Contractor must provide written notification to the Sales Contracting Officer that **melting/smelting** will be the specific method used to demilitarize the property. Type of furnace, pot size and any other information, which will assist the Sales Contracting **Officer** in determining if demilitarization can be accomplished as required.
 - d. On direct **furnace/smelt** shipment, the material will be melted within **48 hours** of arrival at the contractors worksite. Any propeller blades not processed the same day will be kept segregated and secured **from** other material until the next workday. Since this material is considered "CONFIDENTIAL", it will be kept covered at all times.
 5. Equipment Required: **Furnace/Smelter** required to process material, large enough to handle pieces being six **(6)** feet long, thirty-seven **(37)** inches wide, eight **(8)** inches at the thickest point. Cutting on the material is not authorized. Average weight per piece is one ~~thousand~~ **two hundred (1200)** pounds up to sixteen hundred **(1600)** pounds.
 6. Demilitarization time frame: Demilitarization must be accomplished within 48 hours of receipt at contractors facility. Any propeller blades not processed the same day will be kept segregated and secured from other material until the next **workday**. Since this material is considered "CONFIDENTIAL", it will be kept covered at all times.

7. Demilitarization will be accomplished off Government premises. **Yermo Annex**, Puget Sound Naval Shipyard or DRMS Demilitarization centers do not have the facilities or capabilities to perform demilitarization as required by the Naval Sea Systems Command letter, dated 3 February 1999.
 - a. DSS will provide facilities security clearance.
8. No special permits are required to transport subject material.
9. **Demilitarization** surveillance: Demilitarization surveillance will be conducted by qualified certifiers and verifiers, assigned by DRMS from the closest DRMO in accordance with **DoD 4160.21-M-1**.
 - a. **Prior** to the award of this property requiring Demil as a condition of sale, the SCO of the sale will contact the Demil certifier, verifier, customer, and the **Property** Disposal custodian of property received in place prior to award to **ensure** Demil procedures and sales terms and conditions are understood. Processing of property will not proceed until the aforementioned individuals clearly understand their responsibilities under the **sale** contract and surveillance plan.
10. Surveillance Plan:
 - a. Property Disposal Agent-Ensure that proper loading, accountability procedures are used and that vehicles used to transport material are covered conveyance type.
 - b. Contractor-Ensure property to demilitarization work site in covered conveyance, **truck/trailer**.
 - c. Contractor-Ensure that propeller blades remain covered until movement is **made** to melting **furnace/smelter**.
 - d. Contractor-Contractor will provide certification that each propeller blade has been completely melted. The certification will contain the piece and serial number of propeller blade melted.
 - e. Property Disposal Agent-Provide the Sales Contracting Officer with piece number, serial number and weight ticket from each shipment of **propeller** blades removed by the contractor.
 - f. Contractor-Notify the Sales Contracting **Officer** when shipment arrives at Contractors facility.
 - g. Demilitarization Surveillance-Certifier/Verifier to be **furnished** by **DRMO** nearest to the contractor facility. The individuals must possess the qualifications **required** to monitor demilitarization in accordance with **DoD 4160.21-M-1**.
 - h. **Verifier/Certifier-When** property arrives at demilitarization **work site, verify** piece and serial **number** of each blade, vehicle is weighed in, **unloaded and weighed** again empty. **After** vehicle is unloaded ensure that property is properly covered. Obtain a copy of contractors weight ticket and compare with **weight** ticket received **from** Sales Contracting Officer, Using copy of piece and serial number inventory

provided by Sales Contracting Officer, verify piece and serial number of propeller blades received at contractors facility.

- i. Verifier/Certifier-Survey property being demilitarized and ensure demilitarization is being accomplished in accordance with requirements.
- j. Verifier/Certifier-Examine demilitarized residue for proper demilitarization, then complete and sign demilitarization **certificate(s)**.

11. Method and degree recommended are in the best interest of the U. S. Government as applies to economics and financial return to the Government.


STEVEN G. BOWYER
Area Manager
Central DRMO Lewis

SERIALIZATION BLADE SECTIONS

| DEPT. OF NAVY SERIAL NUMBERS | BLADE SECTION NUMBERS | | | | | | | |
|---|------------------------------|----------|----------|----------|----------|----------|----------|------------|
| NI-AL-BZ ALLOY-1 | # | # | # | # | # | # | # | |
| 28023 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| 28085 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| 28089 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| 28610 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| 28647 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| 28648 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| 28649 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| 28811 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| 28812 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| 28815 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| 28816 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| 28820 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| 28911 (psns) | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 21,740 LBS |
| 29024 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| 29026 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| | | | | | | | | |
| MG-NI-AL-BZ ALLOY-2 | | | | | | | | |
| 27092 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| 27697 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |

Serial Numbers of Propellers

| NSN | S/N | Cond | Location |
|---------------------|-------|------|---------------|
| 2F 2010-00-106-8637 | 28089 | A | FISC Cheatham |
| 2F 2010-00-106-8637 | 28649 | A | FISC Cheatham |
| 2F 2010-00-106-8637 | 29024 | A | FISC Cheatham |
| 2F 2010-00-106-8637 | 28811 | A | FISC Cheatham |
| 2F 2010-00-106-8637 | 28812 | A | FISC Cheatham |
| 2F 2010-00-106-8637 | 28820 | A | FISC Cheatham |
| 2F 2010-00-106-8637 | 28023 | A | DDBC Barstow |
| 2F 2010-00-106-8637 | 28085 | A | DDBC Barstow |
| 2F 2010-00-106-8637 | 28610 | A | DDBC Barstow |
| 2F 2010-00-106-8637 | 28647 | A | DDBC Barstow |
| 2F 2010-00-106-8637 | 28648 | A | DDBC Barstow |
| 2F 2010-00-106-8637 | 29026 | A | DDBC Barstow |
| 2F 2010-00-106-8637 | 28815 | A | DDBC Barstow |
| 2F 2010-00-106-8637 | 28816 | A | DDBC Barstow |
| 2F 2010-00-106-8637 | 28117 | A | PSNSY |



DEPARTMENT OF THE NAVY
NAVAL SEA SYSTEMS COMMAND
1331 ISAAC HULL AVENUE SE
WASHINGTON NAVY YARD DC 20378-0001

IN REPLY REFER TO
9770
Ser 392CF/0045
10 Feb 05

From: Commander, Naval Sea Systems Command
To: Commander, Puget Sound Naval Shipyard

Subj: DISPOSITION OF EXCESS SUBMARINE PROPELLERS FROM
INACTIVATED SUBMARINES

Ref: (a) OPNAVINST 555.3.5B, Encl 56, Submarine Propellers
dated 25 Aug 93 (C)
(b) NAVSEA ltr Ser 392A33/9015 of 03 Feb 99

Encl: (1) Serial Number of Propellers

1. The purpose of this letter is to disposition excess SSN 637' Class submarine propellers removed from ships that have been inactivated.
2. Propellers from SSN 637 Class submarines which have undergone inactivation are excess material and should be disposed of in accordance with existing security and critical military technology requirements. Enclosure (1) lists the propellers currently stored at Cheatham Annex, Williamsburg, VA., PSNSY&IMF in Bremerton, WA and Marine Corp Logistic Base in Rarstow, CA. PSNSY&IMF is requested to provide a cost estimate and period of accomplishment to scrap SSN 637 Class propellers in accordance with references (a) and (b). This estimate is requested by 28 Feb 2005.
3. The NAVSEA program office point of Contact is Ma. Linda Winton, PMS392CF11, (202) 701-1954,


P. E. MURRAY
By direction

Copy to:
NAVICP Mechanicsburg (Code 05822)
NAVSHIPYD Puget Sound, WA
NFPC (Code 990) Philadelphia, PA

Subj: DISPOSITION OF EXCESS SUBMARINE PROPELLERS FROM
INACTIVATED SUBMARINES

Blind copy to:
PMS392CF11



DEPARTMENT OF THE NAVY

NAVAL SEA SYSTEMS COMMAND
392A33/8015
WASHINGTON, DC 20380-4100

9770
Ser 392A33/8015
FEB 03 1998

From: Commander, Naval Sea Systems Command
To: Commander, Defense Reutilization and Marketing Office
(DRMO)
Commander, Defense Reutilization and Marketing Service
(DRMS)

Subj: CHANGE TO DEMILITARIZATION CODE FOR SUBMARINE PROPELLER
BLADES

Ref: (a) NAVSEA ltr 9770 Ser 392A33/8015 of 18 February 1998,
Disposition of Excess Propellers for Submarines
Undergoing Inactivation/Recycling Availabilities
(b) DoD 4160.21-M-1 Demilitarization/Trade Security
Controls, Appendix 3

1. The purpose of this letter is to change the demilitarization code for submarine propeller blades removed from excess, not-ready-for-issue (NRFI) propellers from code "B" to code "F", to provide special instructions for disposal and to provide specific surveillance instructions.

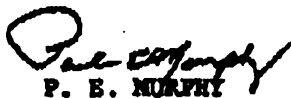
2. By reference (a), NAVSEA provided guidance for the disposal of excess submarine propellers removed from submarines being inactivated/recycled at Puget Sound Naval Shipyard (PNS). Moreover, special marking instructions for each blade removed from the hub were provided; specifically, each blade removed from the hub must have the propeller part number and the word "blade" permanently attached or welded onto the blade and must have a blade number assigned (i. e. 1 through 'n' as appropriate).

3. Additionally, blades may be disposed of as scrap material and sold with the proviso that each intact blade must be placed in a furnace and melted at a foundry inside the continental United States. Because of the sensitivity of the materials inside each blade, the purchaser of the blades must obtain and maintain a CONFIDENTIAL facility security clearance and must certify by issuing an end use certificate that each blade has been melted down as a unit.

Subj: CHANGE TO DEMILITARIZATION CODE OF SUBMARINE PROPELLER
BLADES

4. In accordance with the demilitarization code guidelines provided in Appendix 3 of reference (b), NAVSEA requests that the demilitarization code for submarine propeller blades removed from excess, MRPI propellers be changed from code "B" to code "F". Special disposition instructions identified in paragraphs 2 and 3 above apply. The only surveillance required is to insure that each blade is placed into the smelter as a unit; no cuts in any blade are allowed.

5. The NAVSEA point of contact is Paul Murphy, PMS392A33, (703) 602-3800, X638.


P. E. MURPHY
By direction

Copy to:
NAVICF Mechanicsburg (1512G)
NAVSHIPYD Puget Sound, WA (200R, 350, 500S, 1215)
DMNO, Fort Lewis, WA
DMRS, Battle Creek, MI
NFPC Philadelphia, PA.