

**BY ORDER OF THE 6TH  
AIR MOBILITY WING COMMANDER**

**AIR FORCE MANUAL 23-110 VOLUME 6  
CHAPTER 4**



**MACDILL AIR FORCE BASE  
Supplement 1**

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**Supply**

**PRECIOUS METAL RECOVERY  
PROGRAM (PMRP)**

**COMPLIANCE WITH THIS PUBLICATION IS MANDATORY**

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**AFMAN 23-110, Vol 6, Chapter 4, is supplemented as follows:**

### ***SUMMARY OF REVISIONS***

**This document is substantially revised and must be completely reviewed.**

4.2.1. The Precious Metals Recovery Program (PMRP) focal point for all policy and procedures is assigned to the 6th Logistics Readiness Squadron, Procedures and Accountability Office (6 LRS/LGRSP).

4.2.2. All activities involved in the PMRP are required to issue an internal Operating Instruction (OI) outlining the unit's precious metals program procedures. The unit's primary monitor will review this OI annually for any potential modification or update, and if changes are required, the monitor will update the OI. A copy of all OIs will be provided to the 6 LRS PMRP focal point for review. As a minimum, the OI should include:

4.2.2.1. (Added) Specific responsibilities will be described in detail for each individual appointed to a PMRP function (i.e., monitor, expeditor, witness, etc.).

4.2.2.2. (Added) The types of precious metals processed by the organization will be specified.

4.2.2.3. (Added) Include procedures employed to ensure accumulated precious metals (i.e., precious metals, scrap, or residue) in the inventory are safeguarded from pilferage.

4.2.5. Each activity involved in the PMRP will appoint a primary and alternate PMRP Monitor. These persons may also serve as expeditors. A two-person concept will be used to accomplish all actions dealing with refined precious metals.

4.2.7. The disinterested party (one who does not operate the equipment or harvest the silver) will be one of the two persons transporting the silver sludge to the Defense Reutilization & Marketing Office (DRMO). This person will certify and verify the weight by using scales located in the DRMO.

4.2.8. 6th Air Mobility Wing (6 AMW) activities with a high volume of precious metals recovery (i.e., Base Photo Lab, NDI Lab) will conduct a test at least weekly, and the test date will be recorded in a log. Low volume activities (those that only use a film processor once or twice a week) will conduct a test prior to any operation. If the last test date is greater than 1 week, the new test date will be recorded in a log. Litmus paper should be tested occasionally in the hypo tank solution to ensure the litmus paper is still good.

4.2.9. The PMRP focal point will visit all activities within the 6 AMW that have film processors at least once a year.

4.2.15. When any 6 AMW organization purchases silver recovery equipment for environmental purposes, it will be that organization's responsibility to ensure the following processes are outlined in their OI:

4.2.15.1. (Added) Funding for equipment purchase and repair.

4.2.15.2. (Added) Recovering silver for return to DoD.

4.2.15.3. (Added) Maintaining auditable records that indicate the organization is in compliance with the DoD silver recovery program.

4.5.3. 6 AMW activities involved in silver recovery from film processors (black & white and color) will maintain operating logs with the following information:

4.5.3.1. (Added) Type of film processed.

4.5.3.2. (Added) Volume of film processed.

4.5.3.3. (Added) Footage of film processed.

4.5.3.4. (Added) The amount of chemicals used in the processing of film. If analysis indicates an effective operation, the activity should turn the solutions in as hazardous waste.

4.6.10. The previous 27 Precious Metal Indicator Codes (PMIC) were combined into the current 7 standard codes during the Defense Supply Logistics Center (DSL) modernization. During this modernization, several stock numbered items were automatically assigned PMICs with the majority of the assignments being a "U" code (precious metal type is unknown). Several of these items contained brass, bronze, copper, and other types of metals that are not tracked under the PMRP. Only items that contain platinum (or platinum family metals, palladium, iridium, osmium, ruthenium, and rhodium), gold and silver, or a combination of these metals are required to be categorized with a PMIC. Any stock numbered items containing other than these precious metals should be challenged. The challenge should be accomplished by contacting the prime item manager or equipment specialist for the item in question, and requesting verification of the existence of precious metals. After the analysis is accomplished, the precious metals found should be properly identified or the PMIC should be changed to "A" if no precious metals are found. Requests should reference AFMAN 23-110, Volume 6, Chapter 4, paragraph 4.6.2. A list of PMICs can be found in DoD 4100.39-M, Volume 10, Chapter 4, *Federal Logistics Information System (FLIS) Procedures Manual*.

4.8.3. The old style cartridges with steel wool are no longer authorized. The precious metals area representative (PMAR) should be called for a replacement. The old cartridge should be removed, flushed with water, and turned in to DRMO for silver recovery processing.

4.8.4. All organizations that operate and maintain film processors with fixer solution will verify that kits which modify film and X-ray processors to provide for easy draining of the solution into containers when the unit is shut down for maintenance are installed on their processors. An empty container must be kept available to catch the solutions when the processor malfunctions or is down for maintenance.

4.9.4.3. A silver recovery cartridge that has been flushed with water can be turned in to DRMO for precious metal recovery processing. However, if the cartridge still contains hypo solution, it must be turned in to the DRMO as hazardous waste. A fund cite from the using organization will be required to bill against for environmental disposal services.

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