

**BY ORDER OF THE COMMANDER,
8TH FIGHTER WING**



AIR FORCE INSTRUCTION 32-7086

**8TH FIGHTER WING
Supplement 1**

11 FEBRUARY 2004

Civil Engineering

HAZARDOUS MATERIALS MANAGEMENT

COMPLIANCE WITH THIS PUBLICATION IS MANDATORY

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Pages: 21

Distribution: F

This supplement establishes procedures and standards that govern management of Hazardous Materials (HAZMAT) for the 8th Fighter Wing, Kunsan Air Base, Korea. It applies to all personnel who authorize, procure, issue, use, or dispose of HAZMAT in the course of their official duties; and to those who manage, monitor, or track any of the preceding activities, whether the activities are performed by government or contractor personnel. Kunsan AB must send a copy of their proposed supplement to HQ PACAF HMMP team for approval.

AFI 32-7086, 1 August 1997 and PACAF Supplement 1, 24 December 1997 are supplemented as follows:

1.1. **HMMP Purpose.** The HMMP includes the activities and infrastructure required for ongoing identification, management, tracking, and minimization of HAZMAT. The purpose of the HMMP is to manage the procurement and use of HAZMAT to: (1) Support the 8th FW mission; (2) To protect the safety and health of personnel and the local community surrounding the installation from misuse of HAZMAT; (3) To minimize use of HAZMAT consistent with mission requirements; (4) And to maintain compliance with environmental requirements for HAZMAT usage.

1.1.2.3.1. (PACAF Sup 1)(Added). Regularly schedule and hold meetings at least quarterly to address HMMP issues.

1.1.2.3.2. (PACAF Sup 1)(Added). Ensure, as a minimum, that the HAZMART supervisors, 8th Civil Engineering Squadron, 8th Maintenance Group, 8th Fighter Wing, Safety, and 8th Medical Group, Bio-Environmental Engineering members of the team attend the HMMP and ESOHCAMP training.

1.1.3. (PACAF Sup 1)(Added). **HAZMAT Definition.** For purposes of this supplement, the term HAZMAT includes all items (including medical supply items) covered under the Emergency Planning and Community Right-to-Know Act (EPCRA), USFK Pamphlet 200-1, *Environmental Governing Standards*, Occupational Safety and Health Administration (OSHA) Hazard Communication (HAZCOM)

Standard, and all Class I and Class II Ozone Depleting Substances (ODS). It does not include munitions or Hazardous Waste (HW).

1.9.2.1. Provide the necessary teamwork, oversight, coordination, and cross-feed to implement the HMMP, standardized Air Force HAZMAT tracking system, and associated interfaces.

1.9.2.6. (PACAF Sup 1)(Added). Track funded HMMP projects to completion.

1.9.2.7. (PACAF Sup 1)(Added). Ensure that any contracting initiatives involving any aspect of the HMMP specifically define responsibilities for executing the affected HMMP elements.

1.9.2.8. (PACAF Sup 1)(Added). Establish and maintain a management effort to ensure the quality of the installation's HMMP data.

2.2.5. {substitute for present 2.2.5}. Track HAZMAT by task, facility location and where applicable, weapon system, and T.O. or manual.

2.3.1.1. (PACAF Sup 1)(Added). HAZMART. A HAZMART is the "customer service desk" for the HPP, and is the only entity on an installation authorized to issue government-owned HAZMAT, and is the only approved source for Class I ODS.

2.3.3. (PACAF Sup 1). **HAZMART Functions.**

2.3.3.1. (PACAF Sup 1)(Added). Immediately forward to the HMMP team information on any requested material that is not currently loaded in EMIS or equivalent program and is potentially hazardous. The HMMP team will determine whether the material meets the HAZMAT definition in paragraph 1.1.1.(Kunsan supplement)

2.3.3.2. (PACAF Sup 1)(Added). Serve as the first stop for submittal of AF Form 3952 request information.

2.3.3.2.1. (PACAF Sup 1)(Added). Review submitted AF Form 3952 information and supporting materials for accuracy and completeness.

2.3.3.2.2. (PACAF Sup 1)(Added). Ensure that the AF Form 3952 information has been entered into EMIS or equivalent program.

2.3.3.2.3. (PACAF Sup 1)(Added). Route the AF Form 3952 information to the three authorizing offices in accordance with guidance from the HMMP team.

2.3.3.3. (PACAF Sup 1)(Added). Ensure that all requests for HAZMAT managed by the HAZMART have prior authorization before issue.

2.3.3.4. (PACAF Sup 1)(Added). Enter HAZMAT transactions into EMIS or equivalent program.

2.3.3.4.1. (PACAF Sup 1)(Added). This includes, but is not limited to, GPC, and supply system transactions.

2.3.3.4.2. (PACAF Sup 1)(Added). It is the responsibility of the unit environmental coordinators to report GPC HAZMAT purchases for their unit to HAZMART to ensure proper authorization and tracking.

2.3.3.5. (PACAF Sup 1)(Added). Maximize efficiency of HAZMAT usage by reusing/redistributing excess HAZMAT on base. Before ordering or purchasing HAZMAT, determine if it is possible to obtain the HAZMAT from the installation free-issue program.

2.3.3.6. (PACAF Sup 1)(Added). Work with customers and suppliers to ensure they purchase HAZMATs in practical quantities to minimize waste, handling, and storage costs.

2.3.3.7. (PACAF Sup 1)(Added). Use the Class I ODS Requisition SAO Approval process to requisition Class I ODS.

2.3.3.8. (PACAF Sup 1)(Added). Use bar coding on all materials determined to be HAZMAT.

2.3.3.9. (PACAF Sup 1)(Added). Perform quality control functions to properly identify items as possible HAZMATs to prevent inadvertent procurement or issue transactions for unauthorized materials. Immediately notify the HMMP team of any suspected or potential HAZMAT that has not been properly coded as a HAZMAT.

2.3.3.10. (PACAF Sup 1)(Added). Assist users in identifying HAZMAT stock numbers and/or part numbers, and finding appropriate MSDS.

2.3.3.11. (PACAF Sup 1)(Added). The AF EMIS HAZMAT tracking system or equivalent program. EMIS or equivalent program will be used to track and manage HAZMAT, including WRM, on the installation. The HMMP team will provide appropriate user access to EMIS or equivalent program. Bar coding is the current method for tracking HAZMAT at Kunsan.

2.3.4. HAZMAT Determination and Authorization Process.

Sections [2.3.4.7.](#) through [2.3.4.13.](#) (added)

2.3.4.7. (PACAF Sup 1)(Added). No AF personnel may bring a HAZMAT onto the installation, or use a HAZMAT on the installation until receiving all required authorizations via the process described in this section. The HPP will only track items determined to be a HAZMAT via this process.

2.3.4.8. The AF Form 3952 establishes a standardized procedure for requesting and authorizing HAZMAT. The requestor and the HMMP team may utilize the AF Form 3952 either as a hard copy or as an electronic worksheet. **NOTE:** See [Attachment 2](#) for detailed instructions on filling out the AF Form 3952.

2.3.4.9. (PACAF Sup 1)(Added). General Determination and Authorization Procedures.

2.3.4.9.1. (PACAF Sup 1)(Added). Work area supervisors shall use an AF Form 3952 to initiate a request for HAZMAT, and submit it to the HAZMART. This form is used for the first time use of a HAZMAT in a work area; for the renewal of an AF Form 3952 authorization that is expiring; to submit revisions to an existing AF Form 3952 because of changes to the requiring document, procedures, HAZMAT, draw amount or draw frequency; and for use in a different task. (Block #1 of Figure 2.1)

2.3.4.9.1.1. (PACAF Sup 1)(Added). Work area supervisors should first check with the HAZMART to see if the item is already loaded into EMIS or equivalent program and authorized by **all** three AF Form 3952 authorizing offices (8 CES, 8 FW/SE, and 8 MDG/SGOAB).

2.3.4.9.1.1.1. (PACAF Sup 1)(Added). For any requested material that is not currently loaded in the standardized Air Force HAZMAT tracking system the HAZMART will obtain a determination from the HMMP team on whether it meets the HAZMAT definition in paragraph 1.1.1.

2.3.4.9.1.1.1.1. (PACAF Sup 1)(Added). If the HMMP team determines that the material does not meet the HAZMAT definition, the work area supervisor does not need an AF Form 3952 authorization to obtain the material.

2.3.4.9.1.1.1.2. (PACAF Sup 1)(Added). If the HMMP determines that the material does meet the HAZMAT definition, the HAZMART will load the material information into EMIS or equivalent program.

2.3.4.9.1.1.2. (PACAF Sup 1)(Added). For a material that is loaded in the standardized Air Force HAZMAT tracking system and has blanket authorizations from **all** three AF Form 3952 authorizing offices, the supervisor only has to complete sections I, II, and VI on the AF Form 3952, and does not need to obtain separate 8 CES, 8 FW/SE, and 8 MDG/SGOAB authorization. (Blocks #2, #3, and 4 of Figure 2.1).

2.3.4.9.1.2. (PACAF Sup 1)(Added). For HAZMAT that requires task-specific authorization by one or more of the authorizing offices, the work area supervisors must provide a copy of the one or more documents that require the use of the requested HAZMAT in the work area task where the supervisors intend to use the requested HAZMAT. The requiring document will be a T.O., owner/operator manual, work specification, or drawing (Part I, Section III of the AF Form 3952). Provide a copy of the requiring document or pertinent page for first time requests. For T.O.s, provide the T.O. number, figure, index, relevant paragraph, page, change number, and change date. For other requiring documents, provide the equivalent information. (Block #5 and #9 of Figure 2.1)

2.3.4.9.1.2.1. In the absence of a requiring document, the AF Form 3952 authorizing offices (8 CES, 8 FW/SE, and 8 MDG/SGOAB), operating on behalf of the HMMP team, will require the use of the least hazardous available material. The HAZMART will assist the requestor and the authorizing offices to identify materials that may be less hazardous.

2.3.4.9.1.2.2. (PACAF Sup 1)(Added). When a task-specific authorization is required, the HMMP team may only authorize the use of that HAZMAT if a suitable material reduction or substitution is not feasible and appropriate risk control measures are in place.

2.3.4.9.1.2.3. (PACAF Sup 1)(Added). The HMMP team will use the AF Form 3952 T.O. information to connect HAZMAT usage to specific weapon system activities for the purposes of the WSHP described in Chapter 3.

2.3.4.9.1.3. (PACAF Sup 1)(Added). Once the authorizing offices have agreed on the least hazardous (from an integrated ESOH perspective) of the available materials under the NSN, the HAZMART will advise the requestor of the recommended selection.

2.3.4.9.1.3.1. (PACAF Sup 1)(Added). For NSN items, the AF Form 3952 must specify the least HAZMAT using the CAGE code to identify the manufacturer of the least hazardous material.

2.3.4.9.1.3.2. (PACAF Sup 1)(Added). For non-NSN items, the AF Form 3952 must specify the least HAZMAT by manufacturer name and part number/trade name.

2.3.4.9.1.4. (PACAF Sup 1)(Added). Work area supervisors shall provide copies of their completed AF Forms 3952 to their unit Safety representative and their Unit Environmental Coordinator (UEC) for informational purposes.

2.3.4.9.2. (PACAF Sup 1)(Added). Each of the AF Form 3952 authorizing offices (8 CES, 8 FW/SE, and 8 MDG/SGOAB) will make an independent determination of whether to authorize without conditions, authorize with conditions or not authorize the request to use a HAZMAT. If any one authorizing office does not authorize, then the request is denied. The requestor must comply with all conditions specified by the authorizing offices.

2.3.4.9.2.1. (PACAF Sup 1)(Added). When an authorizing office decides to authorize without conditions, it must then determine whether to issue a task-specific or blanket authorization.

2.3.4.9.2.1.1. (PACAF Sup 1)(Added). The task-specific authorizations approve the use of a particular HAZMAT in a given task in specified amounts.

2.3.4.9.2.1.2. (PACAF Sup 1)(Added). The blanket authorization approves the use of a particular unit of issue of a HAZMAT independent of task.

2.3.4.9.2.1.2.1. (PACAF Sup 1)(Added). Each of the AF Form 3952 authorizing offices (8 CES, 8 FW/SE, and 8 MDG/SGOAB) will make an independent determination of whether or not to provide a blanket authorization for a specific HAZMAT and HAZMAT container size. Each of the offices providing a blanket authorization must also specify a maximum draw amount for the HAZMAT and HAZMAT container size.

2.3.4.9.2.1.2.2. (PACAF Sup 1)(Added). Blanket authorizations are specific to a given NSN and CAGE or specific material and container size. In addition, users must stay within the maximum draw amounts specified on their AF Form 3952 for the blanket authorization to remain valid.

2.3.4.9.2.1.2.3. (PACAF Sup 1)(Added). If all three AF Form 3952 authorizing offices (8 CES, 8 FW/SE, and 8 MDG/SGOAB) have provided blanket authorization for a material, the HAZMART shall issue the material to subsequent requestors that have completed sections I, II, and VI of AF Form 3952, without routing the AF Form 3952 to the authorizing offices.

2.3.4.9.2.1.3. (PACAF Sup 1)(Added). If an authorizing office declines to issue a blanket authorization, that office must provide task-specific approval for all subsequent AF Form 3952 requests to use that HAZMAT.

2.3.4.9.2.2. (PACAF Sup 1)(Added). It is not necessary for all three (8 CES, 8 FW/SE, and 8 MDG/SGOAB) authorizations to be of the same type (blanket or task-specific). However, all three offices must authorize the request before the user can obtain the requested HAZMAT. (Blocks #4 and #9 of Figure 2.1)

2.3.4.9.3. (PACAF Sup 1)(Added). Once the requestor has obtained all three authorizations, the HAZMART adds the authorization to the Authorized Users List (AUL) in the standardized Air Force HAZMAT tracking system. (Block #10 of Figure 2.1)

2.3.4.9.4. (PACAF Sup 1)(Added). The HAZMART may not procure or issue HAZMAT to a requestor unless the requestor is on the AUL for that HAZMAT.

2.3.4.9.5. (PACAF Sup 1)(Added). Requestors must maintain copies of their completed AF Forms 3952 or electronic equivalents for active authorizations, to include supporting documentation.

2.3.4.9.6. (PACAF Sup 1)(Added). AF Forms 3952 will automatically expire after a period to be determined by the installation HMMP team. Re-authorizations will be staggered depending on class of material and scheduled to coincide with annual shop visits.

2.3.4.10. (PACAF Sup 1)(Added). Work area supervisors must notify the HAZMART of any changes to the information on an approved AF Form 3952. **NOTE:** Changes to the HAZMAT composition (as reflected in the MSDS) or to the conditions of use or activities described in AF Form 3952 invalidates the authorization.

2.3.4.11. (PACAF Sup 1)(Added). AF 3952 submission approval timeframe depends on the Urgency of Need and are as follows:

- 2.3.4.11.1. (PACAF Sup 1)(Added). Routine Requests, 1-2 weeks.
- 2.3.4.11.2. (PACAF Sup 1)(Added). Emergency Requests, 1-2 days. Along with the request submit a mission impact letter to the HAZMART office.
- 2.3.4.12. (PACAF Sup 1)(Added). HAZMAT Determination and Authorization Procedures for Contractors.
 - 2.3.4.12.1. (PACAF Sup 1)(Added). Contractors operating a HAZMART must comply with the requirements in paragraph 2.3.2. to participate in and enforce the HAZMAT authorization procedures. Contractors operating a HAZMART do not require AF Form 3952 authorizations for stocking, storing and issuing HAZMAT.
 - 2.3.4.12.2. (PACAF Sup 1)(Added). Contractors using HAZMAT on Air Force installations must comply with the authorization procedures in paragraph 2.3.4.3., as modified below.
 - 2.3.4.12.2.1. (PACAF Sup 1)(Added). If a contract is expected to require a contractor to bring or to use HAZMAT on an installation, he must:
 - 2.3.4.12.2.1.1. (PACAF Sup 1)(Added). Report to 8 CES Environmental Flight (8 CES/CEV) any “significant quantities” (see below) of HAZMAT brought onto the base so that it may be tracked by the HAZMART. 8 CES/CEV will coordinate the registry of the HAZMAT with the HAZMART.
 - 2.3.4.12.2.1.2. (PACAF Sup 1)(Added). Properly store significant quantities of HAZMAT and hazardous waste (secondary containment, lockers, segregation).
 - 2.3.4.12.2.1.3. (PACAF Sup 1)(Added). Properly dispose of hazardous waste off-base IAW Korean law.
 - 2.3.4.12.2.1.4. (PACAF Sup 1)(Added). Report final disposition of HAZMAT/HAZWASTE to HAZMART.
 - 2.3.4.12.2.1.5. (PACAF Sup 1)(Added). For the purposes of regulating contractor activity, “significant” quantities of HAZMATs or waste will include the following:
 - 2.3.4.12.2.1.5.1. (PACAF Sup 1)(Added). A quantity equal to or greater than the Reportable Quantity (RQ) for substances found in Table B-3 in USFK Pam 200-1 (USFK-EGS).
 - 2.3.4.12.2.1.5.2. (PACAF Sup 1)(Added). 110 gallons (415 liters) or more of POL. (See USFK-EGS 18-2.i)
 - 2.3.4.12.2.1.5.3. (PACAF Sup 1)(Added). 500 pounds (225 Kg) or more of solid HAZMAT. (See USFK-EGS 18-2.i)
 - 2.3.4.12.2.1.5.4. (PACAF Sup 1)(Added). 750 pounds (340 Kg) or more of combinations of POL, liquid, semi-liquid, and solid HAZMAT, hazardous waste or hazardous substance. (See USFK-EGS 18-2.i)
 - 2.3.4.12.2.2. (PACAF Sup 1)(Added). CCK will:
 - 2.3.4.12.2.2.1. (PACAF Sup 1)(Added). Provide contractor with copy of USFK-EGS (USFK Pam 200-1).
 - 2.3.4.12.2.2. (PACAF Sup 1)(Added). Provide contractor with information on any known HAZMATs or hazardous wastes on the contract site.
- 2.3.4.13. (PACAF Sup 1)(Added). GPC Authorization Procedures.

2.3.4.13.1. (PACAF Sup 1)(Added). As required in AFI 64-117, individual cardholders must obtain prior authorization before using the GPC to purchase HAZMAT.

2.3.4.13.2. (PACAF Sup 1)(Added). The individual cardholders must process, at the time of receipt, each authorized HAZMAT purchase -- initial and recurring -- through the HAZMART for the material to be reviewed for consistency with the authorization (amounts, MSDS, draw frequency, etc.), for bar coding (or approved equivalent, IAW 2.9.1.8.), and for recording of "receipt and issue" in the EMIS system or equivalent program. HAZMART personnel are not required to deliver any GPC-purchased HAZMAT items.

2.3.4.14. (PACAF Sup 1)(Added). UEC responsibilities and consequences

2.3.4.14.1. (PACAF Sup 1)(Added). UECs will review impact card statements monthly and report all unauthorized HAZMAT purchases to HAZMART and their unit commander. GPC holders will have their cards suspended until they are retrained at the next GPC class. After two violations GPC holders will not be authorized a card.

2.6.1.8. (PACAF Sup 1)(Added). Determine and document the procedures for effective tracking of HAZMAT from cradle to grave, for facilitating work center inspections for unauthorized HAZMAT, and for supporting the free-issue of unused HAZMAT.

2.6.1.9. (PACAF Sup 1)(Added). Execute procedures to ensure HAZMATs brought onto the installation by all contractors are properly managed. The HMMP team will work with the Contracting Office to develop and implement procedures.

2.6.1.10. (PACAF Sup 1)(Added). Review the installation Self-Help program to ensure that the HPP tracks and reports HAZMAT issued through the Self-Help store. Self-Help Customers do not require an AF Form 3952 to use a HAZMAT on Self-Help Projects, unless that HAZMAT requires a task-specific authorization.

2.6.2. 8th Civil Engineer Squadron, 8 CES will:

2.6.2.2. Ensure HAZMART facilities meet applicable ESOH requirements to support the HPP.

2.6.2.3. Manage the Data Base Administration (DBA)/System Administration (SA)/Information System Security Officer (ISSO) responsibilities for the EMIS system or equivalent program.

2.6.2.5. For task-specific authorizations, evaluate each AF Form 3952. Decide whether to authorize without conditions, authorize with conditions or not authorize the request to use a HAZMAT.

2.6.2.9. (PACAF Sup 1). Submit requested changes for the standardized Air Force HAZMAT tracking system to the installation HMMP team for review and possible validation.

2.6.2.10. (PACAF Sup 1)(Added). Assess, at a minimum, environmental, fire protection, and emergency response risks of, and control options for, materials.

2.6.2.11. (PACAF Sup 1)(Added). Participate in the HMMP team evaluation of materials that are potentially hazardous, but are not loaded in EMIS or equivalent program.

2.6.2.12. (PACAF Sup 1)(Added). Ensure HAZMAT on the installation is tracked by facility, quantity, and task to support fire protection, ESOH, disaster response, and environmental reporting requirements.

2.6.2.13. (PACAF Sup 1)(Added). Submit environmentally eligible HPP funding requirements through the environmental programming/budgeting system.

2.6.2.14. (PACAF Sup 1)(Added). Decide whether CE blanket or task-specific authorization is appropriate for material that the HMMP team determines meets the definition of a HAZMAT.

2.6.3. **8th Logistics Readiness Squadron.** LRS will:

2.6.3.3. (PACAF Sup 1)(Added). Maintain and update the HAZMAT-specific fields in the SBSS (e.g.; IEX Code 9 and requisition exception (REX) codes).

2.6.3.4. (PACAF Sup 1)(Added). Conduct data queries as directed by the installation HMMP team.

2.6.6. **8th Medical Operation Squadron Bio Environmental Engineering (BE).** BE will:

2.6.6.9. (PACAF Sup 1). Review the Cage list of the material; main areas of concern are found on *Page 1 Material Hazard Data*, *Page 2 Material Information*, and *Constituents page*. Attention should be paid to the *NSN Info* and *Shop Info*.

2.6.6.10. (PACAF Sup 1). Review constituents to make informed decisions on authorized/not authorized and control recommendations for occupational health purposes. Significant health hazards shall include materials containing more than 1% by weight of an ingredient with an OSHA-specific standard that is a confirmed carcinogen, teratogen, tumorigen, mutigen or sensitizer. Moderate health hazards include materials, which are acidic, alkali, asphixiant, compressed gas, cryogenic, explosive, flammable, irritant, reactive or toxic. 8 MDG/SGOAB will evaluate shop's process where material will be used and ensure use of appropriate procedures, PPE and engineering controls.

2.6.6.11. (PACAF Sup 1). File AF Form 2761 *Hazardous Material Data* in shop case file. BE will review work area inventories at least annually.

2.6.7. **8th Fighter Wing Safety.** 8 FW/SE will:

2.6.7.9. (PACAF Sup 1)(Added). Participate in the HMMP team evaluation of materials that are potentially hazardous, but are not loaded in the EMIS system or equivalent program.

2.6.7.10. (PACAF Sup 1)(Added). Decide whether 8 FW/SE blanket or task-specific authorization is appropriate for material that the HMMP team determines meets the definition of a HAZMAT.

2.6.8.11. (PACAF Sup 1). Maintain an inventory listing of all HAZMAT used or stored in the work area and ensure that all HAZMAT containers have appropriate labeling, to include the HPP bar code.

2.6.8.12. (PACAF Sup 1). Maintain only minimal quantities of HAZMAT in the work area and turn in excess HAZMAT to the HAZMART as soon as possible for reuse or redistribution. Supervisors must avoid storing excess or expired products at the job site or in the work-area.

2.6.8.13. (PACAF Sup 1)(Added). Certify on AF Forms 3952 that the HAZMAT is required for use in the work area task described in the AF Form 3952 and IAW the requiring document specified in the AF Form 3952, in order to validate the requirement and to ensure the appropriate workers have the proper training and equipment to safely use the requested HAZMAT in the task identified in the AF Form 3952.

2.6.9. **US Army Contracting Command Korea.** The US ACCK will:

2.6.9.5. (PACAF Sup 1)(Added). Obtain guidance on contractor HAZMAT determination, authorization, and tracking from the HMMP team.

2.6.9.6. (PACAF Sup 1)(Added). Any aspect of the installation HPP responsibilities, including the HAZMAT authorization responsibilities, can be performed by contractors, provided the contract complies with applicable federal and military procurement policies, and supports HPP deployment requirements.

2.6.9.7. (PACAF Sup 1)(Added). Ensure that the requirements for GPC purchases of HAZMAT are included in local GPC guidance and training. Ensure HMMP team members participate in GPC training sessions to address these requirements.

2.6.11. (PACAF Sup 1)(Added). **Unit Commanders.** Unit Commanders will:

2.6.11.1. (PACAF Sup 1)(Added). Ensure there is unit guidance for preparing and submitting AF Form 3952 requests for HAZMAT.

2.6.12. (PACAF Sup 1)(Added). **TDY Unit Responsibilities:** Units TDY to Kunsan who bring HAZMAT will ensure the following:

2.6.12.1. (PACAF Sup 1)(Added). Report to 8 CES/CEV any significant quantities of HAZMAT (as described in para 2.3.4.4.2.1.5. of this Supplement) brought onto the installation so that the HAZMART may track it.

2.6.12.2. (PACAF Sup 1)(Added). Provide HAZMART a list of all HAZMAT to include MSDS.

2.6.11.3. (PACAF Sup 1)(Added). Coordinate any purchase of HAZMAT with the HAZMART office (IAW para 2.3.4.9. of this Supplement)

2.8. (PACAF Sup 1)(Added). **HAZMAT Turn-In/Stock Validation Procedures.**

2.8.1. (PACAF Sup 1)(Added). **HAZMAT Turn-In.**

2.8.1.1. (PACAF Sup 1)(Added). Work center supervisors must coordinate turn-ins of spent bar-coded containers with HAZMART.

2.8.1.2. (PACAF Sup 1)(Added). The HAZMART supervisor must ensure all spent bar-coded containers are deleted from AF-EMIS or equivalent program.

2.8.2. (PACAF Sup 1)(Added). **Stock Validation Procedures.**

2.8.2.1. (PACAF Sup 1)(Added). HAZMART will provide a quarterly AF-EMIS or equivalent program authorizations and stock inventory to the shops.

2.8.2.2. (PACAF Sup 1)(Added). Shop supervisors will ensure HAZMAT are inventoried and reconciled with the AF-EMIS or equivalent program tracking system.

3.1. **WSHP Purpose.** The WSHP describes how Kunsan AB's HMMP team can work with the PACAF HMMP to use the existing weapon system management structure to identify, prioritize, validate, advocate for, and fund weapon system-driven HAZMAT reduction needs. This enables installation and MAJCOM priorities to drive weapon system HAZMAT reduction efforts, just as installation and MAJCOM priorities drive all non-ESOH weapon system requirements.

3.8.1.2. Ensure that 8th Maintenance Group, Weapons Standardization Flight (8 MXG/MXW) serves as the HMMP team lead.

3.8.1.7. (PACAF Sup 1)(Added). Ensure that the HAZMART provides a weapon system process usage list with technical data and associated procurement costs as required.

3.8.1.8. (PACAF Sup 1)(Added). Identify candidate processes to target for HAZMAT reduction or elimination.

3.8.2. **8 CES.** 8 CES will provide an estimate of costs for environmental permits, emission controls, and HW disposal; and an estimate of fire protection and emergency response risks driven by the HAZMAT usage in the candidate weapon system processes.

3.8.7. (PACAF Sup 1)(Added). **8 MXG/MXW. Maintenance will:**

3.8.7.1. (PACAF Sup 1)(Added). Serve as the HMMP team lead for the WSHP.

3.8.7.2. (PACAF Sup 1)(Added). Validate the weapon system process usage list provided by the HAZMART.

3.8.7.3. (PACAF Sup 1)(Added). Provide appropriate supporting process data from the maintenance tracking systems, such as the Core Automated Maintenance System (CAMS).

4.3. **Class I ODS Program.** The Class I ODS Program has five key elements: The AF Form 3952 Authorization Process, the DLA Class I ODS Defense Reserve Management Process, the Prohibition on Requirements for Contractors to use Class I ODS, the SAO Approval Process, and the Metrics.

4.3.1.1. (PACAF Sup 1)(Added). Kunsan AB is prohibited from purchasing Class I ODS on the commercial market.

4.3.1.2. (PACAF Sup 1)(Added). Kunsan must return any excess amounts of reclaimed Class I ODS to the DLA Class I ODS Defense Reserve for recovery, reclamation, and redistribution. Units must responsibly dispose of used Class I ODS solvents in a manner that minimizes release to the environment.

4.3.4. (PACAF Sup 1)(Added). **Class I ODC Procurement Procedures:**

4.3.4.1. (PACAF Sup 1)(Added). Supervisors of a shop requiring Class I ODS must first complete the HAZMAT Authorization Process described at paragraph 2.5.3. Contractors submitting a requisition for a Class I ODS must also have completed the HAZMAT authorization process, and there must a current SAO approval for the contract requirement to use the Class I ODS.

4.3.4.2. (PACAF Sup 1)(Added). Before submitting a requisition for a locally authorized Class I ODS to the DLA Class I ODS Defense Reserve, HAZMART personnel will contact the MAJCOM HMMP team LG representative to initiate the Class I ODS Requisition process. HAZMART personnel will transmit to the MAJCOM HMMP team LG representative a copy of the relevant AF Form 3952 that authorizes the proposed requisition. The AF Form 3952 for a Contractor requisition must specify the applicable and current contract SAO approval number.

4.3.4.3. (PACAF Sup 1)(Added). The MAJCOM HMMP team LG representative will coordinate the MAJCOM HMMP team review of the proposed Class I ODS requisition. The MAJCOM HMMP team will base its review upon the completed installation-level AF Form 3952, and additional information requested by the MAJCOM or HQ USAF teams. The MAJCOM HMMP team LG representative will transmit to the HQ USAF HMMP team SAF/AQR representative a copy of the MAJCOM-approved request for SAO approval; a Class I ODS requisition; and the relevant AF Form 3952 that authorizes the proposed requisition.

4.3.4.4. (PACAF Sup 1)(Added). The HQ USAF HMMP team SAF/AQR representative will coordinate the HQ USAF HMMP team review of the proposed Class I ODS requisition. The HQ USAF HMMP team will base each individual SAO approval determination on the completed installation-level AF Form 3952; the recommendation of the MAJCOM HMMP team; additional information requested by the team; and an analysis of the projected Air Force Class I ODS usage rate.

4.3.4.5. (PACAF Sup 1)(Added). The HQ USAF HMMP team SAF/AQR representative will transmit the SAO approval directly to DLA Class I ODS Defense Reserve, the MAJCOM HMMP team LG representative, and the installation HAZMART.

4.3.4.6. (PACAF Sup 1)(Added). The installation HAZMART can then submit the formal requisition to the DLA Class I ODS Defense Reserve.

4.4. **Class II ODS Program.** The Class II ODS Program has two key elements: the AF Form 3952 Authorization Process and the Prohibition on New Class II ODS Requirements.

4.4.1. (PACAF Sup 1)(Added). AF Form 3952 Authorization Process. As a HAZMAT, Class II ODS usage requires prior approval through the AF Form 3952 Authorization Process.

4.4.2. (PACAF Sup 1)(Added). Prohibition on New Class II ODS Requirements. The Air Force will not centrally stockpile Class II ODS to support continuing requirements after the phase-out of Class II ODS production in the United States. Therefore, the Air Force will not develop or procure any new weapon or facility systems scheduled to remain in the Air Force inventory beyond 01 January 2020 that require Class II ODS in their operations or maintenance.

4.4.2.1. (PACAF Sup 1)(Added). The 8 CES has approval authority for exceptions to this Class II ODS policy for installation Real Property air conditioning and refrigeration equipment. 8 CES approval of an exception for installation Real Property air conditioning and refrigeration will require the following:

4.4.2.1.1. (PACAF Sup 1)(Added). Incorporation in the installation Refrigerant Management Plan of detailed descriptions of the 8 CES plans to support Class II ODS usage requirements throughout the life of the new or modified air conditioning or refrigeration equipment, without HQ USAF-supplied Class II ODS.

4.4.2.1.2. (PACAF Sup 1)(Added). Submission of the revised Refrigerant Management Plan, with changes highlighted, to the MAJCOM Refrigerant Manager and AFCESA for their review and comment. Review and approval by AFCESA of the proposed 8 CES exception to this Class II ODS policy for installation Real Property air conditioning and refrigeration equipment.

4.4.2.1.3. (PACAF Sup 1)(Added). Annual review and certification by the 8 CES of the installation Refrigerant Management Plan, incorporating equipment and refrigerant changes during the previous year. **NOTE:** The Refrigerant Management Plan must comply with the AFCESA Refrigerant Management Handbook.

4.8.1.4. (PACAF Sup 1)(Added). Advise 8 FW/SE of any inadvertent releases of Class I ODS from installation CE facilities, equipment, or processes for possible reporting as a mishap.

4.8.1.5. (PACAF Sup 1)(Added). Ensure procedures are in place for the proper reporting of inadvertent installation releases of Class I ODS, IAW USFK Pamphlet 200-1.

4.8.1.6. (PACAF Sup 1)(Added). Issue an environmental Notice to Airman (NOTAM) within 30 work days of an inadvertent release of a Class I ODS that requires mishap reporting.

4.8.1.6.1. (PACAF Sup 1)(Added). The NOTAM shall include information on the release (date of occurrence, location and amounts of Class I ODS released), the identification of causes, and recommended corrective actions.

4.8.1.6.2. (PACAF Sup 1)(Added). Include MAJCOM/CEV and SAF/AQRE as addressees on each Class I ODS inadvertent release NOTAM, regardless of mishap category. These offices will provide the NOTAMs to their respective HMMP teams.

4.8.1.7. (PACAF Sup 1)(Added). Ensure the preparation and maintenance of current Halon and Refrigerant Management Plans.

4.8.1.8. (PACAF Sup 1)(Added). Obtain prior MAJCOM Refrigerant Manager and AFCESA review and comment on approval of proposed revisions to the installation Refrigerant Management Plan that incorporate 8 CES exceptions to the Class II ODS policy for installation Real Property air conditioning and refrigeration equipment.

4.8.2.5. (PACAF Sup 1)(Added). Ensure the Logistics Readiness HAZMART supervisor assigns appropriate USAF REX code to all Class I ODS NSNs.

4.8.3.3. (PACAF Sup 1)(Added). Ensure that Class I ODS supplies are obtained only from an installation HAZMART, IAW the Class I ODS Requisition SAO approval procedures described in paragraph 4.4.

4.8.3.4. (PACAF Sup 1)(Added). Ensure that there is a requiring document for each Class I ODS use that specifies the exclusive use of that Class I ODS.

4.8.3.5. (PACAF Sup 1)(Added). Advise 8 FW/SE of any inadvertent releases of Class I ODS in their work area for possible reporting as a mishap.

4.8.3.6. (PACAF Sup 1)(Added). Advise 8 CES of any inadvertent releases of Class I ODS from work area facilities, equipment, or processes, and comply with applicable federal, state, and local reporting requirements.

4.8.4. **(PACAF Sup 1)(Added). HMMP Team.** Installation HMMP teams will:

4.8.4.1. (PACAF Sup 1)(Added). Ensure that installation personnel using ODS are involved in a responsible use program to prevent losses and to conduct recovery, recycling, and reuse of ODS to the maximum extent practicable.

4.8.4.2. (PACAF Sup 1)(Added). Prohibit the use and discharges of Class I ODS halons during both facility and weapon system training.

4.8.4.3. (PACAF Sup 1)(Added). Prohibit the discharge of Class I and Class II ODS refrigerants during both facility and weapon system training.

4.8.4.4. (PACAF Sup 1)(Added). Ensure the turn in of installation excess refrigerants and halons (including halon bottles with the contents intact) to the DLA Class I ODS Defense Reserve according to approved Air Force turn-in procedures. In addition, installations shall prohibit the transfer of excess installation Class I ODS outside the Air Force, except to the DLA Class I ODS Defense Reserve.

4.8.5. **(PACAF Sup 1)(Added). 8 MXG/MXW.** Maintenance will:

4.8.5.1. (PACAF Sup 1)(Added). Participate in the HMMP team.

4.8.5.2. (PACAF Sup 1)(Added). Manage weapon system Class I ODS according to SAO approvals, and ensure that there is a formal technical document (e.g., T.O. or commercial technical manual) requirement for each Class I ODS use.

4.8.5.3. (PACAF Sup 1)(Added). Identify all excess weapon system halons and Class I ODS refrigerants to the MAJCOM and ensure they are reallocated within the MAJCOM, the Air Force, or turned-in to the DLA Class I ODS Defense Reserve according to established procedures.

4.8.5.4. (PACAF Sup 1)(Added). Advise 8 FW/SE of any inadvertent releases of Class I ODS from installation LG facilities, equipment, or processes for possible reporting as a mishap.

4.8.5.5. (PACAF Sup 1)(Added). Advise 8 CES of any inadvertent releases of Class I ODS from installation LG facilities, equipment, or processes, and comply with applicable federal, state, and local reporting requirements.

4.8.6. **(PACAF Sup 1)(Added). 8th Logistics Readiness Squadron(8 LSS).** Logistics Readiness will:

4.8.6.1. (PACAF Sup 1)(Added). Ensure that the HAZMART obtains Class I ODS Requisition SAO approvals, IAW the procedures described at 4.6., prior to requisitioning Class I ODS from the DLA Class I ODS Defense Reserve.

4.8.6.2. (PACAF Sup 1)(Added). Ensure that the standardized Air Force HAZMAT tracking system tracks Class I ODS requisitions.

4.8.7. **(PACAF Sup 1)(Added). 8 FW/SE.** 8 FW/SE will:

4.8.7.1. (PACAF Sup 1)(Added). Investigate all inadvertent releases of Class I ODS to determine reportable IAW AFI 91-204, *Safety Investigations and Reports*.

4.8.8. **(PACAF Sup 1)(Added). The Contracting Office.** The Contracting Office will, in addition to the responsibilities in paragraph 1.3.8., include the AFFARS Clause 5352.223-9000, *Elimination of the Use of Class I ODS*, current edition, in all solicitations and contracts where the requiring activity has not certified that there are no Class I ODS requirements (AFFARS 5323.804).

Attachment 1**GLOSSARY OF REFERENCES, ABBREVIATIONS AND ACRONYMS*****References***

AFI 64-117, *Air Force Government-Wide Purchase Card (GPC) Program*

AFI 91-204, *Safety Investigations and Reports*

USFK Pamphlet 200-1, *Environmental Governing Standards*

AF Form 2761, *Hazardous Material Data*

AF Form 3952, *Chemical/Hazardous Material Request Authorization*

Abbreviations and Acronyms

AFFARS—

AUL—Authorized Users List

AFCESA—

CAGE—Commercial and Government Entity

CAMS—Core Automated Maintenance System

DBA—Data Base Administration

EMIS—

EPCRA—Emergency Planning and Community Right-to-Know Act

ESOH CAMP—

ESOH—

GPC—Government-wide Purchase Card

HAZCOM—Hazard Communication

HAZMAT—Hazardous Materials

HAZMART—

HMEL—HAZMAT Exclusion List

HMMP—HAZMAT Management Process

HMRPP—Hazardous Materials Reduction Prioritization Process

HPP—Hazmat Pharmacy Program

HW—Hazardous Waste

ISSO—Information System Security Officer

MSDS—

NOTAM—Notice to Airman

NSN—National Stock Number

ODS—Ozone Depleting Substances

OSHA—Occupational Safety and Health Administration

PPE—

RQ—Reportable Quantity

SA —System Administration (SA)

SAO—

UEC—Unit Environmental Coordinator

WRM—War Reserve Materiel

WSHP—

Attachment 2

LETTER OF KUNSAN AB HMMP TEAM CHARTER

A2.1. HMMP Team Charter.



DEPARTMENT OF THE AIR FORCE
8TH FIGHTER WING (PACAF)
APO AP 96264-2090

1 OCT 2003

MEMORANDUM FOR SEE DISTRIBUTION

FROM: 8 FW/CV

SUBJECT: Hazardous Materials Management Process (HMMP) Team Charter

1. This serves as the formal charter for the 8 FW HMMP team as required by paragraph 1.1.2.1 of AFI 32-7086, Hazardous Materials Management.
2. The cross-functional HMMP team develops and directs 8 FW policy and program requirements associated with Hazardous Materials as described in AFI 32-7086. The Weapon System Hazardous Materials Reduction Prioritization Process, and the Ozone Depleting Substance Management Program.
3. CE will lead the core HMMP team, which includes representatives from 8 MDG/SGOAB (Bioenvironmental Engineering), 8 FW/SE (Ground Safety), 8 LRS/LGRDMH (Hazmat Pharmacy) and 8 MXS. As noted in paragraph 1.1.2.2 of AFI 32-7086, other functional representatives may serve as members of the team on an as-required basis.
4. The HMMP team reports directly to the Environmental Protection Committee chair. It has the authority and responsibility to elevate unresolved HMMP issues or concerns to ensure senior leadership involvement when problems or obstacles hinder the effectiveness of the HMMP. The HMMP team will also function as an ESOHC Integrated Process Team (IPT).


WILLIAM C. COUTTS, Col, USAF
Vice Commander

DISTRIBUTION
8 MDG/SGOAB, 8 FW/SE,
8 LRS/LGRDMH, 8 MXS/MXM
8 CES/CC, 8 CES/CEV, CCK

Attachment 3**MATERIALS EXCLUDED FROM AF FORM 3952 PROCESS, PER HMMP TEAM GUIDANCE**

MEMORANDUM FOR HAZARDOUS MATERIALS USERS

23 Oct 2003

FROM: 8 CES/CEV

SUBJECT: Hazardous Materials (HAZMAT) Exclusion List

1. There are some items and products that we all use day-to-day, which may contain a HAZMAT, but require no tracking due to the nature of the chemicals and their intended use. It is for this reason that the Kunsan AB Hazardous Material Management Process Team (HMMPT) has developed the HAZMAT Exclusion List (HMEL) to exclude tracking of certain HAZMAT items commonly used by base personnel. The intent is to speed the purchase of commonly found items used at Kunsan AB that would be used in a capacity, and frequency normally found if used by a consumer.
2. The HMEL lists consumer available products, unit of issue, maximum quantities to be issued and approved manufacturer. Since manufacturers use different combination of chemicals when making items or products, it is important to assure you only use the approved manufacturer when ordering items on the HMEL and up to but not exceeding the quantities allowed. An example of an ingredient that can't be placed on the list no matter how it is used would be isopropyl alcohol. Any materials with this ingredient are required to be tracked and cannot be exempt. Items or products not on the HMEL or the amount of material needed is greater than the maximum quantity as identified on the HMEL require an AF Form 3952, which is filled out by the customer.
3. The Occupational Safety and Health Administration (OSHA) does not require a Hazardous Communication (HAZCOM) Program, which includes Material Safety Data Sheets (MSDS), for household consumer products used in the workplace in the same manner that a consumer would use them at home. As stated below.

In accordance with Title 29 Code of Federal Regulation (CFR), Part 1910, Standard Number 1910.1200, Titled "Hazard Communication", Paragraph (b) (6) (ix), states "Any consumer product or hazardous substance, as those terms are defined in the Consumer Product Safety Act (15 U.S.C. 2051 et seq.) and Federal Hazardous Substances Act (15 U.S.C. 1261 et seq.) respectively, where the employer can show that it is used in the workplace for the purpose intended by the chemical manufacturer or importer of the product, and the use results in a duration and frequency of exposure which is not greater than the range of exposures that could reasonably be experienced by consumers when used for the purpose intended;"

4. OSHA does state that employees who are required to work with hazardous chemicals in a manner that results in a duration and frequency of exposure greater than what a normal consumer would experience has a right-to-know about the properties of those hazardous chemicals, hence the need for a HAZCOM Program, which includes the availability of MSDS. In this case the AF Form 3952 will need to be filled out and submitted to request approval of the item or product for use.

5. Your HMMPT team reviews each item before putting it on the HMEL. You are encouraged to use items off this list, as long as it is not part of an industrial process. If an item or product is not on the HMEL and you think it should be, ask the HMMPT to review it for placement on the list. This does not relieve the user from ensuring proper storage, labeling, and disposing of the product.

6. If you have any questions or concerns regarding this list, please contact Mr. Yim, Chae Yong or Mr. Peter Nebel at 7-6239/3702, 8 CES/CEV, Building 705.

//signed//

JONATHAN L. GRAY, Captain, USAF
Commander, Environmental Flight

//signed//

Mr. Yim, Chae Yong, KGS-07
Hazardous Materials Manager, Environmental Flight
HMMPT Team Lead

Table A3.1. HAZMAT Exclusion List -

Hand Cleaner/Lotions	Unit of Issue	Max Qty	Manufacturer
Any Alcohol-Free Hand Cleaners		5 quarts	Consumer use, household items
All lotions		5 quarts	Consumer use, household items
Office Supplies	Unit of Issue	Max Qty	Manufacturer
Pen, Correction, All-Purpose	0.2 oz	10 each	Sanford Expo/ www.sandfordcorp.com
Glue-stick, semi-solid	Each	10 each	American Glue Corp
Correction Marker A-A-2965	Each	3 each	San Antonio Lighthouse

Correction Marker Refills	Each	3 each	San Antonio Lighthouse
Quicktite Super Glue Pen	0.07 oz	5 each	San Antonio Lighthouse
Sparco Brand Correction Fluid	0.75 oz	10 each	Consumer use, household items
Redo Correction Fluid	0.6 oz	10 each	LHB Industries, Berkeley, MO
Roll-On Stamp Pad Inker (all colors)	2.0 oz	3 ea color	Sanford Expo/ www.sanfordcorp.com
Ink, stamp pad (black)	2.0 oz	4 bottles	American Writing Ink Company
Correction Marker with refills	Each	10 each	San Antonio Lighthouse
Waxes/Compounds	Unit of Issue	Max Qty	Manufacturer
Turtle Wax (T-222)	14 oz	2 cans	http://www.turtlewax.com
Sweeping Compound	100 lb	100 lb	Consumer use, household items
*New Coat 2001	Gallon	1 gallon	Cleaning Ideas Inc. (210) 227-9161
Floor Wax		1 gallon	Consumer use, household items
*Windshield Cleaning Compound	16 oz	3 bottles	Rite Kem Inc. Tupelo, MS 38801
Lubricants/Protectants/Polish	Unit of Issue	Max Qty	Manufacturer
*HIL-Sheen # 509	Gallon	1 gallon	Hillyard Industries/ www.hillyard.com
Armor All	10 oz	3 bottles	Consumer use, household items
*Auto Magic Dressing & Protectant		1 gallon	http://www.automagic.com
Brasso Polish	16 oz	2 cans	Brasso
Polish, metal, pad, aluminum	Can	1 can	Consumer use, household items
Pledge furniture polish	17.7 oz	2 cans	http://www.drackett.com
Batteries	Unit of Issue	Max Qty	Manufacturer
All ALKALINE Batteries	Package	10 packages	Consumer use, household items
Toner & Ink Cartridges	Unit of Issue	Max Qty	Manufacturer
All cartridges	Each	10 each	Consumer use, household items
Fuels	Unit of Issue	Max Qty	Manufacturer
Charcoal Lighter Fluid	32 oz	2 bottles	Consumer use, household items
Sterno	24 count	2 boxes	Consumer use, household items
Propane	1 tank	1 tank/ BBQ grill	Consumer commodity

*Denotes Base Service Store Item.

Table A3.2. HAZMAT Exclusion List -

Disinfectants/Detergents/ Cleaners	Unit of Issue	Max Qty	Manufacturer
*Clean All-Purpose Cleaner	1 gallon	1 gallon	LHB, Houston, TX 77019
*Cleaner, General Purpose	22 oz	3 bottles	Consumer use, household items
*Cleaner, Glass	16 oz	3 bottles	Consumer use, household items
*Cleaner, Glass All-Surface		1 gallon	Consumer use, household items
*Cleaner, Multi-Purpose	0.5 gallon	3 bottles	Consumer use, household items
*Cleaner, Multi-Purpose Biodegradable		1 gallon	Consumer use, household items
*Cleaner, Powergreen Formula 104	1 gallon	1 gallon	Consumer use, household items
*Whistle All Purpose Cleaner	32 oz	2 bottles	http://www.drackett.com
*Towellettes, White Board Cleaner		5 boxes	Household items or shelf items
*Super Duty Cleanser w/Grit	270 oz	1 container	Kimberly-Clark Tissue Company
*Skillcraft Anti-Fogging Glass Cleaner	1 gallon	1 gallon	LHB, Houston, TX 77019
*Skillcraft Glass & Surface Cleaner	Packets	2 boxes	LHB, Houston, TX 77019
*Cleaner, White Board	8 oz	2 bottles	Sanford Expo/ www.sanfordcorp.com
Deodizer, Disinfectant	15 oz	2 cans	Consumer use, household items
Powder Cleanser (Ajax, etc)	21 oz	2 cans	Consumer use, household items
Concentrate Car Wash		1 gallon	Blue Coral
Bleach		1 gallon	Clorox
*General Purpose Detergent	1 gallon	1 gallon	LHB
Windex Glass Cleaner w/Ammonia D	1 gallon	1 gallon	http://www.drackett.com
*Wipes, White Board		5 boxes	Skillcraft
*Rug & Upholstery Shampoo	64 oz	2 bottles	HY-Test Industries 1-973-467-4607
*Shampoo Tex	1 gallon	1 gallon	Ecolabs Inc., St. Paul, MN
Laundry Detergent		1 gallon	Consumer use, household items
Disinfectant, Detergent		1 gallon	Consumer use, household items
Deodorizing Cakes (Urinal Blocks)	Each	2 boxes	Health Gard 1-216-361-1230
*Multi-Purpose Germicidal	19 oz	3 cans	United Facility Supply Corporation
Ultra Ivory Liquid	12.6 oz	2 bottles	Proctor & Gamble 1-800-253-2756
*Kitchen Mate Dishwashing Detergent		1 gallon	LHB, Houston, TX 77019
Simple Green		1 gallon	Consumer use, household items

Formula 409		1 gallon	Consumer use, household items
Miscellaneous	Unit of Issue	Max Qty	Manufacturer
*Refresh Air Freshener	14 oz	3 cans	LAB Industries
*Sherlock Leak Detector	8 oz	10 bottles	Use only from Winton Products
*Power Duster	12 oz	4 cans	SkilCraft
*Time Mist Air Spray (All)	12 oz	2 cans	Waterbury Companies, Inc
*Alcohol-Free Refresher Towelettes	Box	2 boxes	Consumer use, household items
*Wood Glue	8 oz	5 bottles	Elmer's Glue

*Denotes Base Service Store Item.

ROBIN RAND, Colonel, USAF
Commander