

CHAPTER 1

INTRODUCTION

This regulation (MDARNG Reg. 200-1) was developed for units of the Maryland Army National Guard. MDARNG Reg. 200-1 contains important information that pertains directly to commanders, armory managers, and maintenance shops. It is directed that all commanders, managers, and Unit Environmental Compliance Officers (UECO.) in the Maryland Army National Guard familiarize themselves with this regulation. This regulation applies to all MDARNG facilities with the exception of the Edgewood facility on Aberdeen Proving Grounds, which complies with active army regulations. All environmental regulations and armory environmental information can be found in the Environmental folder on the ARCASS site. If the armories do not have access to this site they should contact the Environmental Program Manager. Contact information for all subject area Point's of Contact (POC's) and other MDARNG personnel are included in Appendix A. A list of MDARNG armories and their contact information is located in Appendix B.

1-1 **POLICY.** It is the policy of the Adjutant General, State of Maryland, to preserve and protect the quality of the environment, and to adhere to the applicable Army Regulations such as AR 200-1, AR 200-2, and Federal, state, and local environmental laws.

1-2 **PURPOSE.** The purpose of MDARNG Reg. 200-1 is to provide guidance to unit commanders, managers, and UECO's in implementing sound environmental practices when training or performing maintenance. This regulation should be used in conjunction with applicable plans and field manuals.

1-3 **APPLICABILITY.** This regulation applies to all Maryland Army National Guard units, employees of the MDARNG and all out-of-state units conducting exercise on Maryland Army National Guard property.

1-4 **REFERENCES AND REGULATIONS.** Additional references and environmental regulations are listed in Appendix F.

1-5 **SPECIAL CONSIDERATIONS.**

a. **ENVIRONMENTAL QUALITY GOALS:**

1. Demonstrate leadership in environmental protection and improvement.
2. Minimize adverse environmental and health impacts while maximizing readiness and strategic preparedness.
3. Assure that consideration of the environment is an integral part of MDARNG decision-making.

4. Initiate aggressive action to comply with all applicable Federal, State, regional, and local environmental quality laws.
5. Restore lands and waters damaged through our past waste disposal activities.
6. Support MDARNG programs for recycling and re-use of materials to conserve natural resources, prevent pollution, and, minimize the generation of wastes.
7. Pursue an active role in addressing environmental quality issues in our relations with neighboring communities.

b. **ENVIRONMENTAL QUALITY PROTECTION AND ENHANCEMENT POLICIES:** Achieving environmental goals is an integral part of the MDARNG mission to this end, the MDARNG has established the policies below.

1. The environmental effects of any proposed action will be considered during the earliest stages and throughout the planning process (AR 200-2). Such effects will be evaluated in the decision-making process along with technical, operational, mission-related, regulatory, and economic factors (see requirements of NEPA in AR 200-2).
2. Programs and actions will be considered, planned, initiated, and carried out in such a way as to prevent, minimize, or mitigate degradation of the environment or endangerment of human health.
3. Activities will be monitored to ensure they comply with applicable Federal, State, regional, and local environmental quality requirements.
4. Material and energy resources will be procured and used in such a way as to minimize pollution and waste generation. Use and procurement of material and energy resources will be per the MDARNG policy for energy conservation. Wastes generated will be minimized, reprocessed, or reclaimed for other productive uses to the greatest extent practicable.
5. Material research, development, and acquisition for new systems will be conducted so as to include alternative technologies which support the MDARNG goals for the reduction of hazardous waste generation.
6. All personnel will be encouraged to foster an appreciation of the MDARNG support of the environmental protection effort, and an understanding of the urgent need to protect and enhance the natural

environment and conserve natural resources. Further, all personnel will be encouraged to initiate, lead, and cooperate in carrying out the MARNG environmental programs.

7. To the extent practical, commanders and the Adjutant General will cooperate in community environmental action programs, will comply with the requirements of the Community Right-To-know Act, and will meet public notification requirements concerning actions subject to the National Environmental Policy Act.

8. Historic and archaeological sites, structures, and districts under MDARNG jurisdiction that meet the criteria of the National Register of Historic Places will be managed in a spirit of stewardship for the inspiration and benefit of present and future generations.

9. On lands under MDARNG jurisdiction, an integrated, multi-use, natural resource and land management program will be conducted that promotes the conservation and enhancement of:

- a. Forests and woodlands.
- b. Fish and wildlife populations and habitat.
- c. Threatened and endangered species.
- d. Prime and unique farmland.
- e. Soils and vegetation.
- f. Native prairies and grasslands.
- g. Surface water and groundwater supplies and quality.
- h. Wetlands and flood plains.
- i. Cultural and historic resources.
- j. Outdoor recreation resources.
- k. Esthetics.
- l. Public access opportunities
- m. Nonconsumptive uses (for examples, bird-watching, photography, and hiking).

1-6 RESPONSIBILITIES

A. ADJUTANT GENERAL

1. Overall, the Adjutant General shall establish organizational structures to implement the MDARNG's environmental program, and provide sufficient support by:

- a. Public affairs, legal and environmental review personnel.
- b. Timely reporting.
- c. Programming and budgeting assistances to installation, activity, and unit commanders.

2. Ensure that the MDARNG establishes an Environmental Quality Control Committee (EQCC).
3. Monitor and control the environmental projects and activities of the subordinate commands, and the installations and activities under their jurisdiction.
4. Ensure that installation and activity commanders provide sufficient environmental staffing to implement and comply with this regulation and all Federal, State, and local environmental requirements.
5. For water resources management program, the Adjutant General shall:
 - a. Identify and evaluate all sources of water pollution, and take proper action to eliminate or reduce them to acceptable levels.
 - b. Program and budget funding and personnel resources for all water pollution control projects required to ensure timely compliance with all applicable standards.
 - c. Provide input and assistance to master planners to ensure that future development plans address drinking water and wastewater issues.
 - d. Program and budget for resources to permit installations to provide drinking water that meets the quality requirements established by applicable Federal, State, and local agencies.
6. For the hazardous materials management program, the Adjutant General shall:
 - a. Establish a program for hazardous materials management to protect worker safety and health, public health, and the environment.
 - b. Program and budget resources for effective hazardous materials management and pest management programs, including training required by applicable Federal and State laws and regulations for certification of pesticide applicators and quality assurance evaluators for pest management contracts.
 - c. Maintain a dialogue with Federal and State regulatory agencies to ensure compliance with applicable Federal and State laws and regulations governing hazardous materials and pest management.
7. For solid waste and hazardous waste management programs, the Adjutant General shall:
 - a. Perform the following actions related to compliance:

i. Direct a comprehensive effort to ensure that Unit Commanders, Armory Managers, and Shop Managers are fully aware of, and comply with, solid and hazardous waste management requirements of Federal, State, and local laws and regulations.

ii. Ensure that installations establish and maintain waste management programs, including resource recovery, recycling, and waste disposal per the standards in this regulation.

b. Perform the following actions related to Hazardous Waste Minimization (HAZMIN):

i. Designate a principal point of contact to expedite staff actions on waste minimization issues and to provide oversight for the program.

ii. Develop a waste minimization plan, with a five-year outlook, that is consistent with the requirements of this regulation and Army policy.

iii. Program, budget, and distribute funds for waste disposal and minimization activities.

iiii. Establish command-wide hazardous waste reduction goals.

iv. Require economic evaluations of HAZMIN alternatives, per the requirements of DOD Instruction (DODI) 704.3 or Army equivalent.

8. For oil and hazardous substances spill contingency planning, the Adjutant General shall:

a. Issue instructions for preparing and reviewing the Spill Prevention, Control and Countermeasures Plan (SPCCP) and the Installation Spill Contingency Plan (ISCP).

b. Program and budget for personnel, materials, Safety and Occupational Health training, periodic health monitoring, and equipment required for the prevention, countermeasure, control of, and emergency response to spills of oil and hazardous substances.

c. Ensure that IC's prepare adequate response plans; provide appropriate equipment, Safety and Occupational Health (SOH) training, and periodic health monitoring to their Local Emergency Planning Committee (LEPC).

9. For the asbestos management program, the Adjutant General shall:

- a. Establish programs to control asbestos and to protect human health and the environment.
- b. Program and budget for resources required for asbestos management.

10. For the Army radon reduction program, the Adjutant General shall ensure that the installation initiates a radon measurement and mitigation program.

B. UNIT COMMANDERS:

1. Overall, unit commanders will:

- a. Establish an organizational structure to plan, execute, and monitor environmental programs.
- b. Establish and serve as the chairperson of an EQCC.
- c. Program for necessary personnel in order to execute environmental programs and to comply with applicable Federal, State, and local environmental laws and regulations.
- d. Integrate activities to protect and conserve environmental and natural and cultural resources into the planning and execution of the command's mission.
- e. Report immediately—

- i. Imminent or actual noncompliance with environmental requirements, notices of noncompliance/Notices of Violation (NOV's), or indications of environmental crisis.
- ii. Discoveries of illegal dumping by Army and non-Army parties of hazardous materials, substances, or wastes on MDARNG property.

2. For hazardous material management program commanders will implement a hazardous material management control program and will:

- a. Supervise the procurement, use, storage, and ultimate disposition of hazardous materials.
- b. Establish proper procedures to protect public health and the welfare of persons who are potentially exposed to these materials.
- C. Comply with all Federal, State, local and Army regulations governing the management of hazardous materials.
- d. Ensure that all hazardous materials are properly stored to reduce the need for corrective action.

3. For the solid waste and hazardous waste management program in the area of compliance, commanders will:

- a. Ensure that all hazardous waste generating activities, including their tenant activities, are knowledgeable of and comply with all applicable Federal, State, and local solid and hazardous waste management laws and regulations, including requirements for recordkeeping and reporting.
 - b. Ensure that all instances of non-compliance with waste management laws, permit conditions, and enforcement orders are corrected as soon as possible.
 - c. Ensure that all personnel involved in solid waste and hazardous waste management activities are properly trained.
4. For the solid waste and hazardous waste management program in the area of HAZMIN, commanders will:
- a. Establish waste monitoring procedures to reduce the generation of wastes.
 - b. Actively promote installation awareness of the MDARNG goals for HAZMIN and solicit ideas to promote waste minimization.
 - c. Include HAZMIN as a key and on-going function of the EQCC.
 - d. Require routine inspections of each hazardous waste-generating activity.
5. For oil and hazardous substances spill contingency planning, control, and emergency response, commanders will:
- a. Develop and implement an Installation Spill Contingency Plan (ISCP) and provide resources to prevent spills and to ensure prompt and adequate reporting, containment, and cleanup of spills of oil or hazardous substances that occur at or near installations due to MDARNG activities.
 - b. Perform periodic surveys or inspections to verify compliance with this regulation and test the effectiveness of the ISCP.
 - c. Ensure that all oil and hazardous substances are used, stored, and otherwise handled so as to avoid or minimize the possibility of spills.
 - d. Provide engineering safeguards to prevent spills of stored oils and hazardous substances, such as dikes and relief vessels.
 - e. Identify needs for the staffing, materials, equipment, and SOH training programs necessary for personnel to carry out oil and hazardous substances spill prevention, countermeasures, control, and emergency response.

C. ARMORY MANAGERS AND SHOP MANAGERS:

1. Overall, Armory Mangers and Shop Mangers will:

- a. Establish an organizational structure to execute and monitor environmental programs.
 - b. Program for necessary personnel in order to execute environmental programs.
 - c. Integrate activities to protect and conserve environmental, natural, and cultural resources into the planning and execution of the command's mission.
 - d. Provide representatives of regulatory agencies appropriate access to any facility or activity to monitor compliance with applicable pollution abatement standards under their jurisdiction. Access will be limited only for reasons of national security or personal safety. For areas so restricted, all efforts will be made to arrange conditions for inspections.
 - e. Report immediately—
 - i. Imminent or actual noncompliance with environmental requirements, notices of noncompliance, NOV's, or environmental crisis.
 - ii. Discoveries of illegal dumping by non-MDARNG parties of hazardous materials, substances, or wastes onto MDARNG property.
 - iii. Spills of oil and hazardous substances.
2. For water resources management, Armory Managers and Shop Managers will:
- a. Program for personnel, materials, training, and equipment required to comply with water and wastewater treatment regulations.
 - b. Submit copies of NOV's and other regulatory proceedings to the Facilities Management Office.
3. For the air pollution abatement program, Armory Managers and Shop Managers will:
- a. Identify the air pollution emission sources and maintain an up-to-date inventory.
 - b. Provide reports, emission data, and other information to regulatory agencies as required by regulation or permit requirements.
 - c. Maintain assigned motor vehicles to ensure their operation complies with applicable regulations.
4. For the hazardous materials management program Armory Managers and Shop Managers will implement a hazardous material management control program and will:

- a. Supervise the procurement, use, storage, and ultimate disposition of hazardous materials.
 - b. Establish proper procedures to protect public health and the welfare of persons who are potentially exposed to these materials.
 - c. Ensure that required Material Safety Data Sheets (MSDS) are provided for each type of chemical procured.
 - d. Use non-hazardous and non-toxic materials in installation and activity operations and procedures when practicable.
 - e. Ensure a coordinated effort among all activity elements concerning life-cycle management of hazardous materials.
 - f. Ensure that all hazardous materials are properly stored to reduce the need for corrective action.
5. For the solid waste and hazardous waste management program in the area of compliance, Armory Managers and Shop Managers will:
- a. Ensure that all hazardous waste generating activities, including their tenant activities, are knowledgeable of and comply with all applicable Federal, State, and local solid and hazardous waste management laws and regulations, including requirements for recordkeeping and reporting.
 - b. Ensure that all instances of non-compliance with waste management laws and enforcement orders are corrected as soon as possible.
6. For the Solid waste and hazardous waste management program in the area of waste management, Armory Manager and Shop Managers will:
- a. Determine the most cost-effective and efficient means of waste storage.
 - b. Ensure that the hazardous wastes are properly identified, measured, and certified before offering for transportation.
7. For the solid waste and hazardous waste management program in the area of HAZMIN, Armory Managers and Shop Managers will:
- a. Establish waste monitoring procedures to reduce the generation of waste and to limit the amount of waste requiring land disposal.
 - b. Actively promote installation awareness of the MDARNG goals for HAZMIN and solicit ideas to promote waste minimization.
8. For oil and hazardous substances spill contingency planning, control, and emergency response, Armory Managers and Shop Managers will:

- a. Implement an ISCP, establish procedures, and provide resources to prevent spills and to ensure prompt and adequate reporting, containment, and cleanup of spills of oil or hazardous substances that occur at or near installations due to MDARNG activities.
- b. Perform periodic surveys or inspections to verify the effectiveness of the ISCP.
- c. Ensure that all oil and hazardous substances are used, stored, and otherwise handled so as to avoid or minimize the possibility of spills.
- d. Provide engineering safeguards to prevent spills of stored oils and hazardous substances, such as dikes and relief vessels.
- e. Identify and program needs for the staffing, materials, equipment, and SOH training programs necessary for personnel to carry out oil and hazardous substances spill prevention, countermeasures, control, and emergency response.

9. For the asbestos management program, Armory Managers and Shop Managers will:

- a. Execute an asbestos management plan in support of MDARNG asbestos management policies
- b. Program for adequate resources to execute.

D. USP&FO

1. For the hazardous materials management program the USP&FO will:

- a. Monitor installation-wide use of hazardous material to ensure progress is meeting Federal and Army hazardous waste minimization goals and requirements.
- b. On a semiannual basis, recommend opportunities and provide a progress report to the TAG in reducing the use and toxicity of hazardous material.

2. For the solid waste and hazardous waste management program, the USP&FO will:

- a. Arrange for and monitor all on-post and off-post shipments of hazardous waste, to ensure compliance with Federal, State, Army, DOD, and local requirements for transporting hazardous wastes. If the Defense Reutilization and Marketing Office (DRMO) is unable to support the MDARNG requirements for the shipment and disposal of Hazardous Waste (HW), the USP&FO may authorize contracting procedures with non-federal sources. The procurement office would provide contracting support, when required, within

the guidelines of this instruction, NGB directives, and the Federal Acquisition Regulations (FAR).

b. Prepare and maintain records and reports, including hazardous waste manifests, on transporting hazardous wastes as specified by Federal, State, Army, DOD, and local requirements. This includes records maintained by the DRMO.

c. Ensure environmentally safe on-post and off-post transportation of solid wastes and hazardous wastes.

d. Communicate regularly with the Defense Logistics Agency (DLA) activity serving the installation to maintain current information on markets for excess or unserviceable materials and solid or hazardous wastes.

E. STATE SAFETY OFFICER

1. For the asbestos management program the State Safety Officer will:

a. Support the MDE and the installation Safety and Occupational Health Nurse by assisting in all safety matters related to asbestos management.

b. Receive and investigate asbestos-related employee complaints of unsafe working conditions.

c. Support the MDE in providing worker education/training for individuals identified to work with asbestos.

d. Provide expertise in complying with asbestos safety-related Federal, State, local requirements.

F. STATE PUBLIC AFFAIRS OFFICER (PAO):

1. The State Public Affairs Officer will:

a. Establish the necessary supporting public affairs program.

b. Coordinate and conduct public involvement activities to obtain a Resource Conservation and Recovery Act (RCRA) permit and RCRA permit modifications, including an EA or EIS if applicable.

c. Assist the commander in preparing for any public hearings or public meetings sponsored by EPA or States to issue or modify a RCRA permit for the installation.

G. TENANTS, FEDERAL AND NON-FEDERAL

Tenants on MDARNG properties or where the MDARNG is a tenant on non-MDARNG property will comply equally with the requirements of local, State, and Federal solid waste and hazardous waste management laws and regulations and Army policies.

1. All Supervisors will:
 - a. Ensure that all employees working with asbestos receive a physical examination prior to employment, annually during employment, and at termination of employment.
 - b. Enforce proper workplace procedures and practices.
 - c. Execute special in-house O&M procedures.
 - d. Obtain certification for in-house asbestos management as necessary.
 - e. Ensure that employees working with asbestos are properly trained in its handling and management.
 - f. Obtain and maintain adequate levels of equipment and supplies necessary for in-house asbestos management.
 - g. Ensure that necessary personal protective equipment, such as respiratory devices, clothing, head protection and other applicable gear, is properly used and maintained.

CHAPTER 2 TRAINING EXERCISES

The purpose of this chapter is to provide instructions for sound environmental practices to be incorporated into unit missions. By combining the instructions of this chapter with the Unit's and Installation's SOP for training, commanders will be able to comply with all of the environmental regulations without hindering the quality of the training.

1. Bivouacking.

- a. Any time vegetation is to be used for camouflage, efforts should be made to limit the amount of live growth that is cut. Use dead or dying growth and your camo nets before using live growth. A good place to find such growth would be any trails that were recently cut, any area cleared for vehicles or tents, or previously used sites. If live growth must be cut, do not strip and entire bush or tree. Instead, use one or two branches from each tree or bush.
- b. Leaf litter is the mixture of fallen leaves and sticks that forms a covering over the ground. This ground covering helps control erosion. When bivouacking, do not remove the leaf litter. While in your site, keep the leaf litter in repair. Do this by spreading more leaves to any areas that become bare. Erosion constitutes one of the major pollutants of the Chesapeake Bay.
- c. Water may be used during the dry season to keep dust down. Petroleum products will never be used for dust control.
- d. The use of insecticides is forbidden while in the field. Soldiers can use their individual insect repellent (stick, liquid, or spray), but the application of area insecticides must be done by certified contract personnel only.
- e. Field sanitation will be performed according to IAW FM 21-10. Trash should always be taken out of the field with you. The burying of trash is prohibited.
- f. Avoid using wet, marshy areas as transportation routes and bivouac sites. These areas have sensitive ecosystems, and even a minor disturbance can cause environmental problems. Many military installations will have wetland areas designated as off-limits, so if there is any doubt, check with the reservation manager or range control.
- g. When moving in a vehicle, try to stay on the existing trails and roads as much as possible. Do not park vehicles in high, dry grass. This can cause wild fires.
- h. Whenever a training exercise may have an impact on the environment a Record of Environmental Consideration (REC) and checklist must be filled out. A blank REC and Checklist can be found in GKO's environmental section. Examples of

exercises that may impact the environment are: engineering projects involving construction, FTX's, or range operations. RECS should be forwarded to the NEPA specialist in the Environmental Office for review before any action is taken.

i. Always clean vehicles on wash platforms. These platforms have been specially designed to collect oil and grease while allowing water and dirt to pass through. Do not drive any vehicle into a stream to wash. Small amounts of oil and grease can contaminate a stream.

j. Remember, you are responsible for everything you do. If a training area is not kept environmentally sound during training exercises, the unit who did the damage will be responsible for cleaning it up or paying for the clean-up.

CHAPTER 3 UNDERGROUND STORAGE TANKS

The Maryland Army National Guard has approximately eighteen underground storage tanks (UST). All UST's will be managed in accordance with COMAR 26.10. Listed below are some basic tenets of UST management (For a complete explanation of Storage Tank management see the MDARNG Storage Tank Operation and Maintenance Manual):

1. Each UST will have two 10" x 7" metal signs located near the fill cap. The signs will have 3" block letters. One sign will describe the contents of the tank and the other sign will give the size of the tank.
2. The fill cap and the 10" x 7" metal signs for each UST must be color-coded according to the contents of the tank. The fill cap will be coded according to State Regulation COMAR 03.03.03.15. the painting of the fill caps will be done as follows: Motor Gasoline (MOGAS) fill caps will have a white circle with a black cross in it, Diesel will be a yellow hexagon, and #2 Heating Oil will be a green hexagon. The fill pipe coding system well is approximately 12" in diameter. The 10" x 7" signs will have a black background and the letters will be coded as follows: MOGAS will be white, Diesel will be yellow, and #2 Heating Oil will be green.
3. Each UST must have its contents measured every weekday (Monday through Friday) and on drill weekends in order to monitor for leaks. This is called "sticking". Once a month the daily measurement reports must be reconciled with the actual amount of fuel in the tank according to records (book inventory). Daily and monthly monitoring reports as well as directions for "sticking" can be found in the pamphlet titled "Doing Inventory Control Right for Underground Storage Tanks". If a large discrepancy is found or you suspect a leak contact the Environmental Program Manager immediately.
4. Tank tightness testing must also be performed periodically by a trained professional. The environmental office will contact the armory manager to arrange for any inspections necessary.
5. If a fuel vendor spills fuel around the fuel pipe of the UST, that vendor is responsible for the clean-up of the spill. If a spill occurs contact the Environmental Program Manager immediately.
6. Always check the vendor's documents that indicate the product they are carrying. This will ensure that the product will be placed in the proper tank. A few gallons of the wrong product in a tank can contaminate the entire contents of the tank and therefore make it all a Hazardous Waste.
7. The Maryland Department of the Environment may, at any time, inspect your UST's for compliance with the above-stated requirements.

CHAPTER 4 ASBESTOS

1. Most of the facilities in the Maryland Army National Guard contain some type of Asbestos Containing Material (ACM). Asbestos can be found in many different building materials. For a material to be considered an ACM it must contain at least 1% asbestos. To find out if you have any ACM, check the Asbestos Management Plan (AMP) for your facility. The armory manager should have a copy of this.
2. Usually ACM will be used as insulation for the facility's heating system, including the boiler and pipes that transfer heat. This ACM will look like some type of cardboard, corrugated cardboard, or a white chalky substance. You will also see some ACM used as fire retardant/insulation. This ACM has been applied to ceilings and steel beams and is usually sprayed onto the surface. It gives the appearance of grayish oatmeal, much like gray fiberglass or mineral wool. Another source of asbestos is in old floor tiles.
3. The AMP is based on building inspections done in the mid-1980's. During the inspections, samples of suspected ACM were taken and analyzed. The lab analysis is included in the ACM.
4. If any damaged material resembling ACM is found, follow the guidelines below:
 - a. Report the incident immediately to the armory manager.
 - b. The armory manager should check the AMP to see if the damaged material is ACM.
 - c. If the material is ACM, it should be left alone and the area should be evacuated.
 - d. The armory manager should call the Facilities Management Office (410-576-6065) and report the incident. The armory manager will then fill out a work order (MDARNG Form 735-15) requesting the ACM to be repaired. For incidents at Havre de Grace, Camp Frettered, Baker Training Facility, and Lauderick Creek, the Reservation Manager should also be contacted.
5. Many of the FMS shops work on brake shoes that contain asbestos. Shop personnel who work on brake shoes should be trained in proper work techniques. This training is required for all State personnel who work with asbestos. For disposal of the brake shoes, follow normal turn-in procedures for Federal Hazardous Waste materials (Chapter 7).

CHAPTER 5 HAZARDOUS MATERIALS

1. A hazardous material (HM) is defined as a material which, because of its quantity, concentration, or physical, chemical, or infectious characteristics may:
 - a. Cause, or significantly contribute to, an increase in mortality or an increase in serious, irreversible, or incapacitating reversible illness; or
 - b. Pose a substantial present or potential hazard to human health or the environment when improperly treated stored, transported, disposed of, or otherwise managed.

2. In the MDARNG inventory there are many HM's. Fuels, pesticides, solvents, paints, asbestos, breakfree, and mortar sights are just a few examples of the HM that are used by the MDARNG. All of these materials should be inventoried and included in the management plans for each site.

3. Each commander, armory manager, and shop manager must identify what HM's are on hand and what precautions must be taken when storing, transporting, handling, and disposing of these materials. Also, countermeasure plans must be established to prevent and give guidance in case of a spill.

4. Each HM has a certain storage requirement. Some of these requirements are adequate ventilation, spill containment, temperature and humidity control, accessibility and labeling. For instance, certain fluids require that the storage area must have curbs or berms that can hold the fluid in case of a spill. The manufacturer's suggested requirements on the label for storage and handling must be followed.

5. The MDARNG has specific rules in the case of a HM spill. These can be found in the facilities Spill Prevention, Control, and Countermeasure Plans. Each facility should have a spill response kit containing granular absorbent, absorbent pads, personal protective equipment, broom, and shovel. All personnel should be aware of the location of the spill response kit and how to use it. In general a spill of 5 gallons or less can be cleaned up by the facility personnel and reported to the MDARNG environmental office during normal business hours (See Appendix A for a list of Environmental personnel). Any spill of over 5 gallons or any spill that reaches a navigable waterway or floor drain must be reported immediately to the MDARNG Environmental Office and to the Maryland Department of Environment (MDE). See the Spill Prevention, Control, and Countermeasure Plan for further information.

6. The Department of Transportation has certain requirements if you transport HM. Some materials may not be transported with certain other chemicals. There may also be the need to "placard" your vehicle while transporting HM. A placard is a square sign that is posted on the outside of the vehicle that describes the contents of what you are transporting. See DOT Chart 9, HM Marking, Labeling, & Placarding Guide.

CHAPTER 6 HAZARDOUS WASTE

1. A hazardous waste (HW) is a substance that meets one or more of the criteria for a HM, and can no longer be used for its intended purpose or downgraded for another purpose. It is important to look at this definition when deciding if a substance is a HW. Certain products can only be used once for their intended purpose (i.e. aviation solvents), but can also be used several times for another purpose (i.e. re-using aviation solvents to clean a car or truck part). Since part of this regulation is Hazardous Waste Minimization (HAZMIN), personnel are encouraged to seek ways to safely reuse products. Remember, as long as the product has a use, it is not considered a Hazardous Waste.
2. Monthly HW Generation Reports are to be sent to the Hazardous Waste Manager in the Environmental Office via e-mail or fax.
3. Listed below are some general guidelines to be followed when dealing with HW. For further information see the MDANRG Hazardous Waste Management Plan. The following rules shall apply to the packaging of HW items:
 - a. All HW items shall be packed in containers compatible with each particular waste, provided the containers are in good repair and otherwise meet the Department of Transportation (DOT) requirements governing construction and marking. Where feasible, the container which originally held the new material shall be used for packaging the used or waste material.
 - b. All routine safety and operational rules, plus any other measures that may be required, shall be followed to insure that accidents are avoided. If, as a result of mission or other changes, additions to hazardous waste inventory occur, new packaging requirements, if any, shall be determined in consultation with the State Environmental Specialist.
 - c. No HW shall be placed in any container with another hazardous or non-hazardous waste material.
 - d. All containers designated to receive HW shall be clearly and positively marked to identify what wastes may be put into the container and the date accumulation first began. Records will be maintained for the exact contents of each HW container.
 - e. In addition to other requirements under this procedure, toxic, volatiles or flammable wastes shall be accumulated and labeled in accordance with national and state fire code requirements.
 - f. Each HW container shall be labeled with approved type labels found in DOT Chart 9.

CHAPTER 7 TURN IN AND DISPOSAL OF HAZARDOUS WASTE

The turn-in and disposal of HW will always be in accordance with Federal, State, and local regulations. The Federal regulation is CFR parts 260 through 265. The State regulation is COMAR 26.13.

1. Complete guidelines for the turn-in and disposal of HW can be found in the MDARNG Hazardous Waste Management Plan.

2. Listed below are some of the basic procedures for the turn-in and disposal of hazardous waste.
 - a. Make sure the material is packaged and labeled correctly.
 - b. Fill out a Disposal Turn-In Document (DTID) DA form 2765-1 and a Hazardous Waste Profile Sheet (HWPS). Include a copy of the MSDS if necessary. Turn these forms in to the USP&FO HAZMAT Technician.
 - c. The USP&FO will ensure that the form is filled out correctly and generates a 1348-1. This form is forwarded to the Defense Reutilization Marketing Office (DRMO) for that region (Fort Meade).
 - d. DRMO will send a contractor to your site to verify the shipment and schedule a pickup.

CHAPTER 8 USED OIL

Below are the steps to be taken for the management and turn-in of used motor oil and used oil filters:

1. Used motor oil that has not been contaminated with anti-freeze or solvents shall not be considered a hazardous waste.
2. Used motor oil and used oil filters will be collected in 55-gallons drums. All drums containing used oil or used oil filters must be clearly labeled as "Used Oil". This drum will not have dents, puncture, and/or rust holes. The drum will be kept in a secure area, such as the Hazardous Materials Storage Shed or in a garage. This area shall be able to protect the drum from the weather.
3. When a drum is full the FMS Shop Chief or person responsible shall call the USP&FO warehouse at Havre de Grace Military Reservation to report the amount of used oil to be turned in. The drum should have a "non-regulated waste" sticker affixed and filled out. Some FMS have their used oil turned in directly to USFilter. If this is the case, when your used oil storage tank is nearly full, call USFilter and have them pump out the product.
4. The used oil shall be transported to the USP&FO warehouse.
5. The FMS shop should keep a log of the date, time, and amount of used motor oil that was turned in.

CHAPTER 9 PESTICIDES

1. The term pesticide means any chemical that, due to its nature, will inhibit the growth of or kill plants, weeds, insects, animals, or fungi. In the MDARNG there are many uses for pesticides, including weed control and pest control.

2. The following are general rules that will be followed when applying pesticides: (For a complete guide to the rules and regulations governing pest management for the Maryland Army National Guard see the MDARNG Pest Management Plan)
 - a. Only certified or registered applicators for the State of Maryland or those supervised by certified or registered applicators may apply pesticides (For information on becoming a registered applicator, contact the Environmental POC). All contractors applying pesticides at MDARNG facilities must also be certified applicators.
 - b. Only chemicals designated as a pesticide will be used.
 - c. Comprehensive records of all pest management operations (e.g. surveillance, exclusion, or treatment) performed by MDARNG personnel, contractor personnel, Preventive Medicine Services, and self-help operations are maintained on standard DD Forms 1532 and 1532-1. These forms provide a permanent historical record of pest management operations for each building, structure, or outdoor site and are required by State regulation. Copies of these forms should be forwarded to the Environmental POC.
 - d. MSDS sheets for any pesticides used must be on hand.
 - e. The label on each pesticide must be read and the preparation and application of the pesticide must be done according to the product label. All personal protective equipment listed on the label must be worn. It is a violation of State and Federal law to apply a pesticide contrary to label instructions.

CHAPTER 10
SCRAP TIRE

1. The MDARNG currently has 10 General Scrap Tire Collection Facility Permits (See Appendix G) and one secondary scrap tire collection facility (USP&FO Warehouse, Havre de Grace Military Reservation).
2. When the FMO shops generate scrap tires they are to contact the USP&FO Warehouse for pickup. The FMO shops and the USP&FO Warehouse shall keep accurate records of all scrap tires removed from the FMO shops.
3. The USP&FO warehouse shall have accumulated tires picked up at regular intervals by the Scrap tire hauler contractor.
4. Twice a year (June and December) the Shop Chief Supervisor at Havre de Grace shall gather the scrap tire reports from the FMS shop chiefs and the USP&FO warehouse and send them to the MDARNG Environmental Office.
5. Upon receipt of the scrap tire reports from the FMS shops and the USP&FO, the MDARNG Environmental Office shall fill out and submit the semi-annual scrap tire reports to the MDE, Solid Waste Program/Compliance Projects & Data Management Division.

CHAPTER 11

eMS

eMS is the management system the MDARNG uses to implement the Adjutant General's environmental policy. The basic contents of eMS can be found in the eMS Awareness Guide and the Environmental Policy Letter. All personnel of the MDARNG should be knowledgeable about eMS.

1. The basic components of eMS include:
 - a. Commitment to continual improvement in environmental awareness and programs.
 - b. Commitment to prevent pollution
 - c. Commitment to comply with environmental laws and regulations and other requirements to which we subscribe.

2. ISO 14001 is the environmental management system implemented by the MDARNG. It is the standard for the National Guard's Global Mission.

CHAPTER 12 NOISE

The MDARNG Noise Management Plan discusses the training areas with potential for noise issues and gives methods of improving noise management and maintaining public relations, while accomplishing the military mission.

1. According to the MDARNG Noise Management Plan, only Gunpowder Military Reservation (GMR) has the potential for noise issues. This is due to the fact the GMR contains a small arms firing range that is used regularly.
2. The noise produced by the firing range at GMR generally is contained within the installation boundaries. The area surrounding GMR is sparsely populated so there are few noise complaints.
3. There is a policy in place to handle any noise complaints that occur. Any noise complaints received by the reservation manager or armory manager should be forwarded to the MDARNG public relations office. See the MDARNG Noise Management Plan for the complete policy.

CHAPTER 13

AIR

1. The Maryland Army National Guard strives to comply with all regulations concerning air quality and emissions including the Clean Air Act Amendments of 1990 (CAAA-90) as well as other Federal, State, and local programs which pertain to air pollution.
2. An Air Emissions inventory (AEI) was conducted in 1999 for the facilities of the Maryland Army National Guard by the Army Corps of Engineers. This AEI provided an inventory of possible air pollution sources at thirteen Maryland Army National Guard facilities including the maintenance shops and reservations.
3. Air emissions were tested from boilers and storage tanks.
 - a. The criteria pollutants tested for included:
 - *Carbon Monoxide (CO)
 - *Nitrogen Oxides (NO₃)
 - *Particulate Matter with an aerodynamic diameter less than or equal to 10 microns (PM10)
 - *Total Particulate Matter (PT)
 - *Sulfur Oxides (SO_x)
 - *Volatile Organic Compounds (VOC)
 - b. The total VOC and NO_x calculated for all of the boilers at the thirteen sites tested was 2.8 tons per year (tpy). This is well below the 10 tpy allowed emissions for a major source.
 - c. The total VOC for all storage tanks surveyed was 1710 lbs per year (.855 tpy). Of the total, 1669 lbs was from the three tanks used to store gasoline. This is also below the allowed emissions for a major source.
4. Many of the MDARNG facilities are located in non-attainment areas for Ozone (8-hour) and Particulate Matter (PM < 2.5 micrometers). These include facilities located in Baltimore city, Baltimore County, Harford County, Cecil County, Kent County, Carroll County, Frederick County, Washington County, Howard County, Montgomery County, Prince George's County, Anne Arundel County, Charles County, and Calvert County. Any activity conducted by MDARNG that requires NEPA analysis in a non-attainment area must also be evaluated for General Conformity under the Clean Air Act, Section 176 according to the requirements of 40 CFR 93, subpart B. Contact the Environmental Office NEPA POC for further assistance.

CHPATER 14

LEAD

1. The hazards to lead exposure, and standards for lead abatement, are governed by OSHA (Occupational Safety and Health Administration) regulations, specifically Title 29 CFR (Code of Federal Regulations). Lead disposal requirements are governed by the EPA (Environmental Protection Agency) in Title 40 CFR.

2. There are two major sources of lead contamination in MDARNG facilities: indoor firing ranges and lead paint.

a. All indoor firing ranges in MDARNG facilities have either been closed or are in the process of being closed. Lead from the bullets fired and lead dust within the ranges are the major hazards. Unsafe indoor ranges are being decontaminated, and then converted to other functional uses such as storage areas or classrooms. This work is being done by professional contractors.

b. Lead paint is a problem for buildings constructed prior to 1950. If there is peeling paint in your facility, and it was built before 1950, contact the Environmental Office POC for paint sampling and testing. If the paint tests positive for lead and it is determined that it should be removed, the facilities division will contract cleanup.

CHAPTER 15 SOLID WASTE

The Ten Year Solid Waste Management Plan and the Recycling Plan created by the Environmental Office are complete guides to Solid Waste Management for all Maryland Army National Guard facilities. The following is a general description of solid waste management and recycling for all of our facilities.

1. The purpose of the Solid Waste Management Plan is to provide guidance to soldiers and civilian employees of the MDARNG and to comply with Maryland regulations.
2. The Solid Waste Management Plan includes the following:
 - a. Practice and promote waste reduction and waste prevention behaviors
 - b. Maximize the collection and processing of recycling materials, including yard waste.
 - c. Educating MDARNG soldiers and staff about source reduction and recycling
 - d. Expand educational and community outreach programs.
 - e. Evaluate and implement new technologies to increase efficiency.
 - f. Monitor legislation as it relates to the impact of the Solid Waste Plan.
3. The Recycling Plan is currently being implemented (2007). The goal of the plan is to reduce waste going into the landfills by recycling paper, aluminum, and plastic at all MDARNG facilities. This will require cooperation by MDARNG soldiers, staff, and the Environmental Office to be successful. Any questions regarding the Recycling Plan can be directed to the Environmental Office.

CHAPTER 16

GIS

1. Geographic Information Systems (GIS) is a computer based tool for mapping and analyzing spatial data. GIS can be used in the MDARNG to support many mission areas including:
 - a. Natural and Cultural Resource Management
 - b. Range and Training Area Management
 - c. Facilities Management and Master Planning
 - d. Safety
2. The MDARNG supports one full time GIS specialist (see Appendix A).
3. NGB provides consolidated centralized services such as GIS training, training site aerial imagery acquisition, and ESRI software maintenance.

CHAPTER 17

STORM WATER POLLUTION PREVENTION

1. Storm water pollution is one of the most common causes of water pollution in the nation. Section 402(p) of the Clean Water Act states that certain facilities contributing urban runoff to waterways develop, implement, and enforce a program to reduce the discharge of pollutants, protect water quality, and satisfy appropriate water quality requirements of the Clean Water Act. In order to comply with Federal (Section 402(p) Clean Water Act), State (COMAR 26.17.02), and local regulations the MDARNG maintains National Pollutant Discharge Elimination System (NPDES) MS4 Phase II Program Storm Water Permits for its facilities. The Storm Water Management administration of MDE administers this program for the EPA in Maryland.

2. The Water Management Administration (WMA) adopted a NPDES General Permit for Discharges from State and Federal Municipal Separate Storm Sewer Systems in 2004. This permit addresses the six minimum control measures for storm water pollution:
 - a. Public education and outreach
 - b. Public participation and involvement
 - c. Illicit discharge detection and elimination
 - d. Construction site runoff control
 - e. Post-construction runoff control
 - f. Pollution prevention/housekeeping

3. The MDARNG submitted Notice of Intents (NOI's) for its' facilities to MDE for coverage under the NPDES Phase II Storm water General Permit for discharges for State and Federal Small MS4's in 2005.

APPENDIX A

DIRECTORY OF PERSONNEL

The Adjutant General
MG Bruce F. Tuxill
410-576-6097

Public Affairs Officer
LTC Charles Kohler
410-576-6179

U.S. Property & Fiscal Officer
Col. Casy Nagel
410-278-8410

State Safety Officer
CW2 Luc Desilets
410-436-9910

Director of Installations
William Riley
410-576-6069

Occupational Health Nurse
LTC Sharon Hoffman
410-436-9910

Environmental Program Manager
Joseph Gutierrez
410-576-6152

USP&FO Warehouse Contact
SGT Tanya Matthews

Federal Environmental Supervisor
1LT Cara Thompson
410-576-6151

Environmental Compliance & Assessment Coordinator
Ruth McCuin
410-576-6132

State Environmental Specialist
NEPA & Natural Resources
Denise Passwaters
410-576-6131

State Environmental Specialist
Cultural Resources
Sean McCollum
410-576-1483

GIS Manager
Charles (Chas) Crandell
410-576-1483

Federal Environmental Technician
Environmental Management Systems
Loni Kingston
410-576-6131

3 May 2007

MDARNG Reg. 200-1

APPENDIX B**ARMORY LIST**

Annapolis Armory
18 Willow St
Annapolis, MD 21401
410-974-7400

Cade Armory
2620 Winchester St
Baltimore, MD 21216
410-566-2170

Camp Fretterd Military Reservation
13700 Hanover Rd.
Reisterstown, MD 21136
410-833-1992

Catonsville Armory
130 Mellor Ave
Catonsville, MD 21228
410-788-7080

Cheltenham Armory
9900 Surratts Rd
Cheltenham, MD 20623
410-788-7080

Crisfield Armory
8 Main St
Crisfield, MD 21817
410-968-0373

Cumberland Armory
1100 Brown Ave
Cumberland, MD 21502
301-759-2619

Dundalk Armory
2101 North Point Blvd
Dundalk, MD 21222
410-287-6335

Dundalk FMS
2101 North Pont Blvd

Easton Armory
7111 Ocean Gateway
Easton, MD 21601
410-822-0313

Edgewood AASF
Bldg. E4081
Aberdeen Proving Grounds
Aberdeen, MD 21010
410-436-2891

Edgewood Armory & FMS
Bldg E4305
Aberdeen Proving Grounds
Aberdeen, MD 21010
410-436-2423

Elkton Armory
101 Railroad Ave
Elkton, MD 21921
410-398-2350

Ellicott City Armory
4244 Montgomery Rd
Ellicott City, MD 21043
410-465-5003

Fifth Regiment Armory
29th Division St
Baltimore, MD 21201
410-576-6113

Fort Ritchie Military Res.
13817 Ritchie Road
Cascade, MD 21719
301-241-4624

Frederick Armory
8501 Baltimore Rd
Frederick, MD 21701

3 May 2007

MDARNG Reg. 200-1

Dundalk, MD 21222
410-284-6730

301-622-3461

Glen Burnie Armory
14 Dorsey Road
Glen Burnie, MD 21061
410-768-1919

Greenbelt Armory
7100 Greenbelt Road
Greenbelt, MD 20770
301-220-7407

Gunpowder Military Reservation
10901 Notchcliff Rd
Glen Arm, MD 21057
410-446-2921

Hagerstown Armory & FMS
18500 Roxbury Rd
Hagerstown, MD 21740
301-791-4028

Havre de Grace Military Reservation
301 Old Bay Lane
Havre de Grace, MD 21078
410-278-8450

La Plata
14 West Hawthorne Dr
La Plata, MD 20646
301-932-2799

Lauderick Creek Weekend Training Site
2624 Fairview Point Road
Edgewood, MD 21040
410-436-2811

Laurel Armory
8601 Odell Road
Laurel, MD 20708
301-210-2303

Olney Military Reservation
5115 Riggs Road
Gaithersburg, MD 20882
301-869-5731

Parkville Armory
3727 Putty Hill Ave
Baltimore, MD 21236
410-661-2353

Patuxent River Armory
4800 Pine Hill Run Rd
Lexington Park, MD 20653
301-210-2310

Pikesville Military Res.
610 Reisterstown Rd
Baltimore, MD 21208
410-653-6755

Prince Frederick Armory
Box 6, Old State Road
Prince Frederick, MD 20678
410-535-0187

Ruhl Armory
1035 York Rd
Towson, MD 21204
410-616-0517

Salisbury Armory
28722 Ocean Gateway
Salisbury, MD 21801
410-543-6704

Baker Training Facility
11110 Ziegler Rd
Hancock, MD 21750
301-678-6911

Towson Armory
307 Washington Ave
Towson, MD 21204
410-337-6772

Westminster Armory
410-876-1228
Westminster, MD 21157
410-876-1228

3 May 3, 2007

MDARNG Reg. 200-1

APPENDIX C**EPA IDENTIFICATION NUMBERS**
(40 CFR 260.10; 262.12; 264.11; 265.11)**EPA Identification Number(s)**

Armories	EPA ID Number
Annapolis Armory	MDD981938350
Belair Armory	MDD000370551
Cade Armory	MDD981938178
Catonsville Armory	MDD000370577
Cheltenham Armory	NA
Chestertown Armory	MDD981938236
Crisfield Armory	NA
Cumberland Armory	MDD981941545
Dundalk Armory	MDD981938293
Easton Armory	MDD000370361
Edgewood Armory	MD2210020036
Elkton Armory	MDD000370461
Ellicott City Armory	MDD981731052
Fifth Regiment Armory	MDD985393214
Fort Ritchie Armory	MDD000370262
Frederick Armory	MDD000370429
Glen Bernie Armory	MDD000370460
Greenbelt Armory	MDD000370502
Gunpowder Military Reservation	MD1211824114
Hagerstown Armory	MDD981938053
Havre de Grace Armory	MDD981741705
Highfield Armory(see Ft. Ritchie	MDD000370262
LaPlata Armory	MDD981730897
Laurel Armory	NA
Oakland Armory	MDD000370601
Olney Military Reservation	MDD985407493
Parkville Armory	MDD981731110
Pikesville Military Reservation	MDD981938418
Prince Frederick Armory	MDD000370288
Queen Anne Armory	MDD000370627
Ruhl Armory	MDD000373878
Salisbury Armory	MDD981940851
Towson (OLD) Armory	MDD000374629
Westminster Armory	MDD000374637
White Oak Armory	MDD981938111
Camp Fretterd Armory	MDR000509810
Edgewood AASF	MD2210020036
Fort Ritchie	MDD0003702

Updated; 23 September 2004, TGS

APPENDIX D**ACRONYMS**

ACM	Asbestos Containing Material
AEI	Air Emissions Inventory
AMD	Asbestos Management Plan
CAAA-90	Clean Air Act Amendments of 1990
DLA	Defense Logistics Agency
DOD	Department of Defense
DOT	Department of Transportation
DRMO	Defense Reutilization and Marketing Office
DTID	Disposal Turn-In Document
EA	Environmental Assessment
EIS	Environmental Impact Statement
EPA	Environmental Protection Agency
EQCC	Environmental Quality Control Committee
FAR	Federal Acquisition Regulation
FMS	Field Maintenance Shop
HAZMIN	Hazardous Waste Minimization
HM	Hazardous Material
HW	Hazardous Waste
HWPS	Hazardous Waste Profile Sheet
ISCP	Installation Spill Contingency Plan
LEPC	Local Emergency Planning Committee
MDARNG	Maryland Army National Guard
MDE	Maryland Department of the Environment
MSDS	Material Safety Data Sheet
NEPA	National Environmental Policy Act
NGB	National Guard Bureau
NOI	Notice of Intent
NOV	Notice of Violation
NPDES	National Pollution Discharge Elimination System
POC	Point of Contact
RCRA	Resource Conservation and Recovery Act
REC	Record of Environmental Consideration
SOH	Safety and Occupational Health
SPCCP	Spill Prevention, Control, and Countermeasure Plan
UECO	Unit Environmental Compliance Officer
USP&FO	United States Property and Fiscal Office
UST	Underground Storage Tank
TAG	The Adjutant General
tpy	Tons per Year
WMA	Water Management Administration

3 May 2007

MDARNG Reg. 200-1

APPENDIX E

DEFINITION OF TERMS

Accumulation Point Manager Same as Site Manager.

Asbestos Containing Material Any material that contains 1% or greater asbestos.

Asbestos Management Plan The management plan that covers where asbestos containing materials are located, how they should be treated, operations and maintenance plans, response actions, periodic surveillance requirements, record keeping and a list of those persons involved with management of the ACM.

Contingency Plan A document setting out an organized, planned, and coordinated course of action to be followed in the event of a fire, explosion, or release of hazardous materials or hazardous waste which could threaten public health, safety or welfare or pose a danger to the environment.

Emergency Coordinator Coordinated and oversees the activities of the Installation Spill Response Team in the containment, control, and cleanup of a spill. He/She is sometimes referred to as the Installation On-Scene Coordinator.

Unit Environmental Compliance Officer Any individual show has been charged with the additional duty of managing the unit's environmental program. At the Facilities Management Office, there are full-time Environmental Officers who are charged with overseeing the environmental program for the MDARNG.

Generating Site Any site which produces hazardous waste.

Hazardous Material Any material which, because of its quantity, concentration, or physical, chemical, or infectious characteristics, may:

1. Cause, or significantly contribute to, and increase in mortality or an increase in serious, irreversible, or incapacitating reversible illness; or
2. Pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, disposed of, or otherwise managed.

Hazardous Waste A material which exhibits one or more of the characteristics of a hazardous material, and can no longer be used for its intended purpose or downgraded for another use.

Hazardous Waste Management Plan The management plan that covers the covers the requirements for storage and disposal of HW for the MDARNG.

3 May 2007

MDARNG Reg. 200-1

Installation Spill Control Plan This plan gives all the information an installation needs to know in case of a spill. It lists response notification, command and control procedures, and techniques for abating the spill. This plan works hand in hand with the SPCCP.

Installation Spill Response Team List of those individuals responsible for remedial action in the event of an actual spill.

Manifest An approved form used as a shipping document to identify the quantity, composition, origin, routing, and destination of hazardous waste from the site of generation to the point of disposal, treatment, storage, or use.

Spill The accidental spilling, leaking, pumping, emitting, discharging, emptying, or lumping of hazardous wastes or materials which become hazardous wastes when spilled into or on any land or water.

Spill Prevention Control and Countermeasures Plan The spill plan is intended to avoid a spill. It outlines all the programs that the Department of Installations uses to avoid a spill.

Site Manager Oversees the operation of a facility generating hazardous waste.

Used Oil Any oil that has been refined from crude oil, or any synthetic soil, that has been used and as a result of such use is contaminated by physical or chemical impurities.

Waste Any solid, liquid, semi-solid, or contaminated gaseous material, which is sometimes discarded, accumulated, or stored after serving its original purpose, or is no longer suitable for its original intended purpose or a downgraded purpose.

APPENDIX F

REFERENCES AND REGULATIONS

40 CFR (Code of Federal Regulations) Protection of Environment

Clean Air Act
Clean Water Act
Asbestos Hazard Emergency Response Act of 1986
Comprehensive Environmental Response, Compensation, and Liability Act of 1980
Emergency Planning and Community Right-To-Know Act of 1986
Endangered Species Act of 1973
Federal Insecticide, Fungicide, and Rodenticide Act
Federal Water Pollution Control Act
Military Procurement Act of 1969
National Environmental Policy Act of 1969
National Historic Preservation Act of 1966
Occupational Safety and Health Act of 1970
Resource Conservation and Recovery Act
Toxic Substances Control Act

49 CFR Transportation

49 CFR 171 Hazardous Materials Regulations
49 CFR 172 Hazardous Materials Tables and Hazardous Materials Communications
49 CFR 173 Shippers General Requirements of Shipment and Packaging

29 COMAR (Code of Maryland Regulations) Protection of the Environment

Army Regulations

AR 200-1 Environmental Protection and Enhancement
AR 200-2 Environmental Effects of Army Actions
AR 420-40 Historic Preservation
AR 420-47 Solid Waste Management
AR 420-76 Pest Management Program

APPENDIX G

GENERAL SCRAP TIRE COLLECTION FACILITIES & PERMIT NUMBERS

OMS #11A
Annapolis
2001-RGC-04894

MDARNG FMS #1
Camp Fretterd Military Reservation
2001-RGC-04893

MDARNG FMS #6
Cheltenham
2001-RGC-04900

MDARNG FMS #9
Cumberland
2001-RGC-04897

MDARNG FMS #2
Dundalk
2001-RGC-04892

MDARNG FMS #5
Edgewood
2001-RGC-04898

MDARNG FMS #7
Hagerstown
2001-RGC-04894

OMS #1
Pikesville Military Reservation
2001-RGC-04891

MDARNG FMS #4
Salisbury
2001-RGC-04896

MDARNG FMS #8
Silver Spring
2001-RGC-04895