

Army Regulation 200-5

Environmental Quality

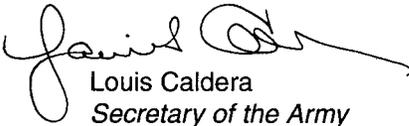
Pest Management

**Headquarters
Department of the Army
Washington, DC
29 October 1999**

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Environmental Quality

Pest Management



Louis Caldera
Secretary of the Army

History. This printing publishes a new Army regulation.

Summary. This regulation provides Department of the Army Pest Management Program policies to meet legal compliance requirements in implementing Department of Defense Instruction 4150.7, comply with national policies, and support the military mission.

Applicability.

a. This regulation applies to the Active Army, the Army National Guard, the United States Army Reserve and to all military installations and activities under control of the Department of the Army by ownership, permit, lease, license or other land or facility-use agreement. Specifically it applies to:

(1) Army installations and activities within any State of the United States, the District of Columbia, and territories of the United States.

(2) Army National Guard installations, activities, and sites that are either supported with federally appropriated funds or subject to Federal approval.

(3) Installations and activities, or portions thereof, which are in full-time or intermittent use by the United States Army Reserve or the Reserve Officer Training Corps.

(4) Real property of other Federal, State, and local agencies and private parties used by the Army, the United States Army Reserve, or the Reserve Officer Training Corps.

(5) Military activities of the United States Army Corps of Engineers.

(6) Tenant and supported activities (to include other Federal agencies), contractor activities, lessees and all other performing activities in direct support of the Army located on real property under Army jurisdiction.

(7) Contracts at Government-owned, contractor-operated (GOCO) facilities that reference this regulation and/or citations of its applicable provisions.

(8) Army installations and activities outside the United States, except as modified by international agreements, status of forces agreements, country-specific final governing standards, or where no such standards have been issued, the Overseas Environmental Baseline Guidance Document.

b. This regulation does not apply to:

(1) Civil works activities of the United States Army Corps of Engineers.

(2) Facilities used by the Army National Guard that are both State owned and State funded, as these terms are applied by the National Guard Bureau.

Proponent and exception authority. The proponent of this regulation is the Assistant Chief of Staff for Installation Management. The proponent has the authority to approve exceptions to this regulation that are consistent with controlling law and regulation. Proponents may delegate the approval authority, in writing, to a division chief within the proponent agency in the grade of colonel or the civilian equivalent.

Army management control process. This regulation contains management control provisions in accordance with AR 11-2 and identifies key management controls that must be evaluated. See AR 200-1, appendix B.

*This Army regulation supersedes AR 420-76, 3 June 1986, and AR 40-574, 26 April 1976.
AR 200-5 ● 30 October 1999

Supplementation. Supplementation of this regulation and establishment of command and local forms are prohibited without the prior approval of Headquarters Department of the Army, Assistant Chief of Staff for Installation Management, Directorate of Environmental Programs, DAIM-ED, 600 Army Pentagon, Washington, DC 20310-0600. The requirements of such supplements must be consistent with and no less stringent than the requirements of this regulation.

Suggested improvements. Users are invited to send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to the Assistant Chief of Staff for Installation Management, 600 Army Pentagon, Washington, DC 20310-0600.

Distribution. Distribution of this regulation is available in electronic media only and is intended for command levels C, D, and E for Active Army, Army National Guard, and the U. S. Army Reserve.

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Summary of Change

AR 200-5
Pest Management

This revision—

- Implements the Department of Defense Instruction 4150.7, DOD Pest Management Program, April 22, 1996.
- Reflects the transfer of responsibilities previously assigned to Office of the Chief of Engineers to the Headquarters Department of the Army Assistant Chief of Staff for Installation Management (chap 1).
- Reflects program emphasis for the protection of the environment through Integrated Pest Management (chap 2).
- Establishes new policy and procedures for Installation Pest Management Programs (chap 2).

Chapter 1 Introduction

Section I General

1-1. Purpose

- a. The Army Pest Management Program implements Department of Defense (DOD) policies to protect health, property, and natural resources from damage by insects, weeds, and other species in ways that promote training and readiness with minimum risks to the environment.
- b. This regulation promulgates policies, responsibilities, and procedures to implement the Army Pest Management Program. It also supplements Federal, State, and local laws and requirements described in AR 200-1 for the Army Environmental Program.

1-2. References

Required and related references and prescribed forms are listed in appendix A.

1-3. Explanation of abbreviations and terms

Abbreviations and terms used in this regulation are explained in the glossary.

1-4. Relationship to Department of Defense policies and Army regulations

The Army Pest Management Program supports or is regulated in part by the following:

- a. *DOD policy guidance.*
 - (1) DOD Directive 4715.1 establishes policies for environmental security within the DOD.
 - (2) DOD Instruction 4150.7 (DOD Instruction) implements policies, responsibilities, and procedures for the DOD Pest Management Program.
 - (3) DOD 4150.7-P (DOD Plan) specifies procedures for certifying pesticide applicators at DOD installations under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) jurisdiction. The United States Environmental Protection Agency (EPA) has approved the DOD Plan.
 - (4) DOD 4150.7-M (DOD Manual) specifies standards and procedures for all non-FIFRA training of DOD pest management personnel.
- b. *Army regulations.*
 - (1) *Environmental protection and enhancement.*
 - (a) AR 200-1 regulates certain pesticides as hazardous materials (HAZMAT) and hazardous wastes, and establishes guidelines for program administration.
 - (b) AR 200-2 implements the National Environmental Policy Act (NEPA) requirements that assess environmental effects of pest management operations.
 - (c) AR 200-3 coordinates pest management operations within the scope of installation programs to conserve Army lands and natural resources.
 - (d) AR 200-4 coordinates pest management operations within the scope of installation programs to manage historical, archeological, and other cultural resources at Army lands and facilities.
 - (2) *Conservation of Army training areas.* AR 350-4 supports the Installation Training Area Management Program to conserve Army lands for military readiness training.
 - (3) *Health and safety.*
 - (a) AR 40-5 establishes measures to protect human health from medically important pest related injury and disease, from occupational exposures to pesticides, and other risks from pest management operations.

- (b) AR 385-10 provides program guidance on safety hazards and risk assessment in pest management workplaces.
- (4) *Real property.*
 - (a) AR 420-10 identifies pest management as an installation public works function (buildings and grounds) and specifies ways in which garrison commanders may manage this function.
 - (b) AR 210-20 incorporates environmental, historic preservation, and natural resource requirements into the real property master planning process.
 - (c) AR 210-50 establishes pest management as an integral part of the self-help program for the management of Army housing.
- (5) *Morale, Welfare, and Recreation (MWR).* AR 215-1 provides policies and procedures that influence pest management operations at MWR and non-appropriated fund instrumentalities (NAFI), to include service clubs, Child Development Centers (CDCs), golf courses, and other recreational facilities.
- (6) *Civil works.* The engineer regulation, ER 1130-2-540, and the engineer pamphlet, EP 1130-2-540, establish the policies and procedures for pest management operations within the scope of the U.S. Army Corps of Engineers (USACE) civil works programs.

Section II Responsibilities

1-5. The Assistant Secretary of the Army (Installations and Environment)

The Assistant Secretary of the Army (Installations, Logistics and Environment) (ASA(I&E)) has primary responsibility for the Army Pest Management Program as a component of the Army Military Environmental Program. These responsibilities are carried out by the Deputy Assistant Secretary of the Army (Environment, Safety and Occupational Health), who develops, executes, and reviews applicable policies, plans, and programs.

1-6. The Assistant Secretary of the Army (Civil Works)

The Assistant Secretary of the Army (Civil Works) (ASA(CW)) has primary responsibility for Army pest management operations as components of the Army Civil Works Environmental Programs.

1-7. The Assistant Chief of Staff for Installation Management

The Assistant Chief of Staff for Installation Management (ACSIM) serves as the Army Staff proponent for the Army Pest Management Program with respect to environmental and installation management policies. The ACSIM will implement the program through the following subordinate ACSIM directorates and commands:

- a. The Director of Environmental Programs (DEP) will—
 - (1) Exercise primary ACSIM staff responsibility to direct and coordinate the Army Pest Management Program.
 - (2) Designate ACSIM representatives for membership on the Armed Forces Pest Management Board (AFPMB) and personnel as DOD Certification Officials per DOD policies and procedures.
 - (3) Designate the Army Senior Consultant (ASC) as the ACSIM staff proponent for technical guidance, to include:
 - (a) Program evaluations, resource requirements, and management procedures.
 - (b) Membership on the AFPMB Council and Executive Committee.
 - (c) Nomination of Army personnel as DOD Certification Officials.
 - (d) Proponent for program awards.
- b. The Commander, U.S. Army Environmental Center (USAEC), under the direction of the DEP, will provide technical support and integrate services worldwide for the execution of the Army Pest Management Program as follows:

- (1) Identify program technical needs and policy requirements.
 - (2) Analyze and report program management information and trends.
 - (3) Provide technical program support for Major Army Commands per formal agreements.
- c. The Director, Facilities and Housing Directorate, will integrate Army Pest Management Program requirements into Army policies for facilities, housing, and installation management.
 - d. The Commander, U.S. Army Community and Family Support Center (CFSC), will integrate Army Pest Management Program requirements into Army MWR Programs and non-appropriated fund activities.

1-8. The Surgeon General

The Surgeon General (TSG) serves as the Army Staff proponent for public health policies, to include pest management activities as they apply to Occupational Health (OH) and Preventive Medicine Programs. As Commander, U.S. Army Medical Command, and through subordinate Army Medical Department (AMEDD) commands, TSG will:

- a. Designate representatives for membership on the AFPMB per DOD policies and procedures.
- b. Provide policy guidance on military pest management training, record keeping, and archiving for AMEDD personnel during contingency operations.
- c. Evaluate and provide program guidance on the prevention and control of medically important pests and OH exposures from pest management operations.
- d. In cooperation with the Commanding General, U.S. Army Training and Doctrine Command, develop and implement curricula to meet program training and certification requirements.

1-9. Major Army Command Commanders

Major Army Command (MACOM) Commanders will:

- a. Provide policy guidance and oversight to subordinate commands and activities that execute the Army Pest Management Program.
- b. Ensure adequate funding to support installation pest management requirements.
- c. Ensure that commercial activities' (CA) reviews, contracts, and leasing agreements meet applicable requirements of the Army Pest Management Program.
- d. Promulgate guidance, in coordination with TSG, to implement program record keeping and other requirements for military deployments during contingency operations.
- e. Designate qualified personnel as Command Consultants and Certification Officials who will:
 - (1) Provide professional oversight of program goals and objectives for subordinate commands and activities.
 - (2) Evaluate installation pest management plans (IPMPs) for conformance to program standards.
 - (3) Conduct or evaluate on-site program reviews.
 - (4) Certify personnel as pesticide applicators.
 - (5) Accredite professional pest management personnel (PPMP), pest management quality assurance evaluators (PMQAEs), and installation pest management coordinators (IPMCs).
 - (6) Evaluate records of pest management operations.
 - (7) Review pesticide storage, handling, and application practices for compliance with Government regulations.
 - (8) Provide technical guidance on CA reviews and contracts involving pest management services for conformance to program requirements.

- (9) Approve research projects involving new pest management technologies.
- (10) Provide pest management program administrative and budgeting reports required by the Army Environmental Program.

1-10. Commander, U.S. Army Corps of Engineers

The Commander, U.S. Army Corps of Engineers (USACE), will:

- a. Provide environmental support to other DOD agencies, the ACSIM, other MACOMs, and installation commanders (ICs).
- b. Comply with applicable pest management laws and regulations and with DOD requirements.
- c. Comply with pest management requirements and procedures per approved IPMPs when conducting pest management operations at Department of the Army (DA) installations.
- d. Designate the applicable provisions of this regulation in military construction or other contracts.

1-11. Installation Commanders

Installation Commanders (ICs) will:

- a. Comply with applicable Federal, State, and local pesticide and pest management regulations. When outside of the continental U.S. (OCONUS), ICs will comply with applicable international agreements, status of forces agreements (SOFAs), country-specific final governing standards (FGS), or where no such FGS have been issued, the overseas environmental baseline guidance document (OEBGD).
- b. Ensure that adequate funds and staffing are provided to support installation pest management program requirements.
- c. Approve IPMPs and ensure that they are addressed by the installation master planning process and the National Environmental Policy Act (NEPA) requirements.
- d. Ensure the pest management requirements of major assigned units, tenants, and supported activities meet Army program requirements.
- e. Ensure that personnel who perform installation pest management operations meet DOD standards for training and certification.
- f. Implement the pest management record keeping requirements of this regulation.
- g. Ensure that installation Safety and OH Programs encompass the pest management facilities and operations.
- h. Ensure that pest management materiel is included in the self-help program inventory.
- i. Designate a qualified IPMC as the primary staff proponent to:
 - (1) Prepare and staff the IPMP and submit the plan and annual updates to the Command Consultant for review.
 - (2) Notify the Command Consultant of program reviews by non-DOD Government agencies.
 - (3) Maintain records on the status of PMQAEs and pesticide applicators.
 - (4) Ensure the completeness and accuracy of installation pest management records and summarize and report pest management information to the Command Consultant.
 - (5) Maintain records of hazardous pesticide disposal actions.
 - (6) Prepare and coordinate the aerial validation plan (AVP) for emergency aerial pesticide applications and notify the Command Consultant of planned regional aerial applications by non-DOD Government agencies if these involve the installation.
 - (7) Identify and address findings of adverse safety and OH reports on the installation pest management operation.
 - (8) Notify the Command Consultant if pest management operations undergo a CA review.

- (9) Forward contracts for pest management services to the Command Consultant for review and maintain records of these contracts.

1-12. Commanders of Major Assigned Units, Tenants, and Supported Activities

These commanders will develop pest management requirements to support their missions and notify the IC of these requirements.

1-13. Commanders of Units Performing Contingency Operations

These commanders will comply with pest management requirements per guidance of commands to which their units are assigned or attached.

Chapter 2

Policies and Procedures

Section I

General

2-1. Purpose

This chapter provides guidance and procedures to implement DOD pest management policies and to coordinate Army pest management and other Army program requirements and objectives.

2-2. Concept of operations

- a. The Army Pest Management Program promotes effective integrated pest management (IPM), pollution prevention, and statutory compliance within the scope of the Army's military environmental program to:
 - (1) Enhance Army training and readiness goals and objectives.
 - (2) Safeguard the environment and human health from injury, disease, and exposure risks from pesticides and other pest management materiel.
 - (3) Support stewardship of natural and cultural resources.
 - (4) Protect property from damage and destruction.
 - (5) Comply with applicable laws, regulations, and policies.
- b. The Army Pest Management Program, as an extension of DOD Pest Management Program policies and procedures, is built on the following key principles:
 - (1) *Local planning.* Installation and other locally administered programs are based on planning documents that identify responsible personnel, pest related threats, program shortcomings, and strategies to resolve them.
 - (2) *Command responsibility.* Army commanders at all levels of command are responsible for the effectiveness and regulatory compliance of pest management operations under their control. Commanders may delegate their authority, but not their responsibility, to meet program requirements and objectives.
 - (3) *Program oversight.*
 - (a) *Command Consultants.* Only individuals who meet DOD educational and experience criteria for PPMP may serve as consultants at MACOM and higher Army levels of command. These Command Consultants, through the authority of their respective commanders, interpret and establish program standards for the installation programs within their commands, and evaluate and provide technical guidance to support these programs.
 - (b) *Installation Pest Management Coordinators.* Individuals designated as IPMCs are responsible to their commanders to meet planning, record keeping, and reporting requirements of the Army Pest Management Program.

- (4) *High training standards.* Only individuals who meet DOD and Army Pest Management Program standards of training may act as Command Consultants, pesticide applicators, IPMCs, or PMQAEs for pest management service contracts. These high training requirements are necessary to ensure that Army Pest Management Program standards and objectives will be met.

Section II Program Administration and Budgeting

2-3. Automated environmental management systems

Pest management program reporting requirements will be included within the Army Automated Environmental Management Information Systems, per AR 200-1, chapter 13 and DA PAM 200-1 as follows:

- a. The Environmental Program Requirements (EPR) Report.
- b. The Environmental Quality Report.
- c. The Environmental Compliance Assessment System.
- d. The Installation Status Report.

2-4. Program budgeting

- a. *Environmental program requirements.* The following pest management activities will be identified in the EPR Report per AR 200-1, paragraph 13-5:
 - (1) Mandatory training.
 - (2) Program planning and administration.
 - (3) Environmental monitoring.
 - (4) Pesticide storage and mixing facilities.
 - (5) Pollution prevention/pesticide reduction.
 - (6) On-site surveys.
- b. *Real property.* Pest management operations to protect real property at Army installations will be funded under Base Operations, Real Property Service accounts per DFAS-IN Manual 37-100-XX, Subchapter VI.
- c. *Morale Welfare and Recreation.* Pest management operations funded by MWR or NAFI, to include clubs, golf courses, other recreational facilities, and CDCs at Army facilities will comply with AR 215-1.

Section III Program Elements

2-5. Integrated pest management

- a. *Scope.* Modern strategies of pest management avoid total reliance on chemical pesticides in favor of many techniques to eliminate or reduce damage by pests with minimum risks to the environment. This approach is commonly referred to as integrated pest management or IPM. It requires full use of information about the pest's biology and environment, as well as the roles of engineering, culture, genetics, and other disciplines for overall control. The Army pest management policy is committed to IPM at its facilities and installations as the best approach to control pests, reduce pesticide resistance, and meet mandates for Federal agencies to reduce environmental risks from hazardous chemicals.
- b. *DOD program objectives.* The pest management programs at Army installations will promote IPM techniques to meet DOD program objectives in the DOD Instruction.

2-6. Pest management plans

- a. *Purpose.* Planning is a critical element of any Army administered pest management program. The pest management plan identifies the scope and importance of pest related problems, the assets and approaches to limit these problems, and the resources and strategies to meet program shortfalls. Inadequately planned pest management operations can result in pesticide exposures that threaten human health and natural resources and pollute the environment. The installation pest management plan (IPMP) is the primary installation planning document to implement the policies and procedures in this regulation.
- b. *Applicability.*
 - (1) DOD requirements for IPMPs apply to all Army installations with pest management operations, regardless of the pest management workload.
 - (2) Upon approval of the Command Consultant, one installation may be included within the scope of another installation's IPMP, or of a larger command organization's IPMP that provides the installation's pest management services.
- c. *Content.* The IPMP will address all pest management operations at an installation, to include those by tenant and supported activities and lessees, and will be organized to meet criteria in the DOD Instruction.
- d. *Preparation, review, and approval.*
 - (1) The IPMC will be responsible to the IC for the preparation, content, and staffing of the IPMP. In addition, the IPMC will coordinate the IPMP per AR 210-20 (para 2-7) with respect to the installation natural and cultural resource management planning process and with the National Environmental Policy Act (NEPA) review requirements per AR 200-2, chapter 2.
 - (2) The IPMP will be updated as necessary and will be reviewed at least annually by the Command Consultant.
 - (3) The IC will have final approval authority for the IPMP.

2-7. On-site program reviews

- a. *Purpose.* Pest management programs require periodic oversight and review by qualified personnel so that commanders and program managers at all levels of command receive timely and accurate information for proper management decisions.
- b. *Internal reviews.* Commanders will implement guidance and procedures for program reviews by installation staffs that promote regulatory compliance and cost-effective IPM practices at installations and activities under their control.
- c. *External reviews.* Command Consultants or their designated PPMP will conduct or authorize on-site pest management program reviews at least every 36 months per the DOD Instruction. If the Command Consultant approves, this requirement may be met by:
 - (1) Command sponsored compliance based program reviews.
 - (2) Command sponsored consultative or assistance visits to promote "best pest management practices" compliance or other Army program needs.
 - (3) Program reviews by non-DOD Government agencies.
- d. *On-site reviews.* Command Consultants can require on-site reviews more frequently than the minimum program standards to address compliance problems with Government regulations or Army Pest Management Program policies, to promote new pest management practices in support of Army Pest Management Program objectives, or in pest management emergencies. Command Consultants may waive or reduce the frequencies of installation on-site reviews for cause.
- e. *Findings.* IPMCs will notify Command Consultants of findings from on-site visits by Government agencies that involve pest quarantine or pest management related environmental or health and safety issues.

2-8. Training

- a. *Purpose.* Army training standards for pest management personnel implement DOD policies and procedures. Training is designed to prepare civilian and military personnel to handle pesticides and other pest management materiel safely and effectively, supervise and administer program operations, evaluate contracted pest management services, and promote IPM in support of Army readiness goals and objectives.
- b. *Training standards.* The training standards in the DOD Manual and DOD Plan will apply to all personnel who perform or supervise pest management operations at Army installations or during military contingencies. These standards will be applied to categories of pest management personnel as follows:
 - (1) *Professional Pest Management Personnel (PPMP).*
 - (a) Personnel who qualify as PPMP will be trained and certified in appropriate EPA categories as pesticide applicators if job responsibilities require them to:
 1. Apply, supervise, instruct or advise others regarding application of pesticides.
 2. Conduct or supervise research, which involves applications of pesticides.
 - (b) The PPMP who act as Certification Officials, but who otherwise are not required to be certified, will meet training standards established by the ASC.
 - (c) The PPMP will obtain additional education and training as necessary to maintain professional credentials and to promote IPM practices that meet program goals and objectives.
 - (2) *Pesticide applicators.*
 - (a) Army military and civilian personnel, who apply or supervise applications of pesticides at Army facilities and installations or during military contingencies, will be trained and certified per requirements and procedures in the DOD Plan and DOD Instruction.
 - (b) Non-DOD personnel who apply or supervise applications of pesticides at Army facilities and installations, to include pesticides applied at tenant and supported activities or under lease agreements, will be trained and certified by the States where the Army installations are located per the DOD Instruction. The ICs or Command Consultants may require these personnel to have additional training to meet program needs.
 - (3) *Installation Pest Management Coordinators (IPMCs).* The duties and responsibilities for IPMCs described in this regulation are primarily administrative and require at least a basic knowledge of Army pest management policies and procedures. Command Consultants will specify minimum background and training requirements for IPMCs at installations under their control.
 - (4) *Pest Management Quality Assurance Evaluators (PMQAEs).* Personnel designated as PMQAEs for contract pest management services at Army installations will be trained to standards promulgated in the DOD Manual, as specified by Command Consultants. These personnel will receive additional training at least every 3 years to maintain credentials as PMQAEs.
 - (5) *Military operations training.* Soldiers who perform pest management tasks during military contingencies and operational readiness training, but who are not required to be certified as pesticide applicators, will be trained per guidelines promulgated by TSG and Command Consultants.
 - (6) *Other training.* Personnel who are provided pest management materiel under self-help or other installation programs will be trained to standards Command Consultants establish for those programs.
 - (7) *Pest management training OCONUS.*
 - (a) Personnel who apply pesticides at OCONUS Army installations will meet the training standards in chapter 6 of the DOD Manual, as applied by Command Consultants, in the context of existing FGS, SOFA, or the OEBGD.

- (b) Training standards per the DOD Manual will apply to other Army pest management personnel, except that training standards for contract host nation and other non-DOD personnel will be established by Command Consultants.
- (8) *Exemptions.* Individuals who purchase “over-the-counter” pesticides or other pest management materiel for personal use at private quarters on Army installations will not require training, except as required by the IC.
- c. *Sources of pest management training.*
 - (1) Army personnel will obtain classroom training for DOD certification requirements as pesticide applicators at one of the DOD Training Centers, unless waived by Command Consultants per the DOD Plan.
 - (2) Army personnel with responsibilities as PMQAEs, IPMCs, or as part of other pest management programs will obtain training sponsored by one of the DOD Training Centers or as specified by Command Consultants.

2-9. Accreditation of pest management personnel

- a. *Purpose.* The Army accreditation process is meant to ensure that program standards for education, training, responsibility, and competency are met by the personnel who plan, perform, or supervise pest management operations under Army control.
- b. *Procedures.*
 - (1) *Command Consultants, Certification Officials, and PPMP.*
 - (a) Only personnel who meet the DOD standard for PPMP will be designated as Command Consultants and Certification Officials.
 - (b) Credentials for candidates designated as Command Consultants will be reviewed by the ASC, who will nominate qualified individuals as DOD Certification Officials to the Executive Director, AFPMB, for approval per procedures in the DOD Plan.
 - (c) Credentials for candidate PPMP, who are not Command Consultants or Certification Officials, will be reviewed and approved by Command Consultants.
 - (2) *Installation pest management coordinators.* Credentials of candidates designated as IPMCs will be reviewed by Command Consultants, who will specify the necessary training requirements to meet the program responsibilities in this regulation.
 - (3) *Certified pesticide applicators.* The Executive Director of the AFPMB will certify Command Consultants who require certification. Certification Officials will certify all other Army PPMP and pesticide applicators.
 - (4) *Pest management quality assurance evaluators.* Individuals will be accredited as PMQAEs by their Command Consultants in the DOD pest management categories for which they have been trained. Command Consultants may waive or modify PMQAE accreditation requirements for personnel with current DOD certification or with State or other certification under authority of other EPA approved plans.
 - (5) *Accreditation.* Command Consultants will designate accreditation guidelines for other pest management training.
- c. *Management of accreditation records.*
 - (1) Certificates of Competency (for example, DD Form 1826 (Certificate of Competency) and DD Form 1826-1 (Pesticide Applicator)) and other certificates of training or accreditation will be issued per the DOD Plan, the DOD Instruction, and Army Pest Management Program guidance documents.
 - (2) Command Consultants/Certification Officials will keep permanent records of certification and PMQAE accreditation certificates issued by them. The ASC will maintain rosters of Army Certification Officials and of personnel with responsibilities as pesticide applicators on Army installations, and will provide this information to the Executive Director of the AFPMB per DOD program requirements.

- (3) IPMCs will maintain records of the certification status of all personnel who apply pesticides at their installations and who act as PMQAEs. These records will be provided to higher headquarters upon requests by Command Consultants.

2-10. Pest management records and reports

- a. Pest management records are necessary at all levels of command to help supervisors monitor, plan, execute, and report operations to meet program objectives and Government requirements, and to lessen chances of adverse consequences and impacts from these activities.
- b. Installation records will account for all pest management activities, to include those performed on contract, by tenant and supported activities, by lessees per formal agreements and those installations and facilities in the Base Realignment and Closure (BRAC) cleanup program. Pest management activities by residents at their private quarters on Army installations are exempted from the scope of this requirement, except as regulated by installation policies and procedures.
- c. Pest management records for pesticide usage, spills, and reportable human exposures, will be maintained and reported in formats per the DOD Instruction or on equivalent automated systems authorized by Army Pest Management Program guidance.
- d. The IC will establish procedures to implement record keeping requirements of this regulation. The IPMC will ensure that installation pest management records are complete and accurate, and will summarize and report information from these records to Command Consultants per Army Pest Management Program guidance and procedures.
- e. Pesticide use during military contingencies and readiness training will be recorded, reported, and archived per procedures established by TSG.
- f. The DD Form 1532 (Pest Management Report) and the DD Form 1532-1 (Pest Management Maintenance Record) or computer generated equivalents will be used to meet the reporting requirements of this paragraph per program guidance and procedures.

2-11. Pesticides, facilities, equipment, and supplies

- a. *Purpose.* Pesticides are valuable and essential pest management tools which, as potential sources of environmental risk, must be managed in ways that meet Army commitments to safety, OH, pollution prevention, and environmental stewardship.
- b. *Procurement.*
 - (1) Army personnel will procure only pesticides and pest management materiel that have been approved by the AFPMB or by Command Consultants per Army Pest Management Program guidance.
 - (2) For emergencies or unique pest management situations, pest management materiel not approved by the AFPMB may be purchased locally if the Command Consultant authorizes it.
 - (3) Pesticides and pest management materiel for contingency and readiness training will be procured per the U.S. Army Forces Command (FORSCOM) Regulation 700-2 and MACOM procedures.
- c. *Design of pesticide storage facilities.*
 - (1) Pesticide storage and mixing facilities will be designed per standards and best practice guidance in the military handbook (MIL-HDBK) 1028/8A and will be operated per AR 420-90, with respect to fire protection requirements.
 - (2) The Command Consultant may waive or augment best practice guidance to address special installation needs or requirements.

- d. *Disposal.*
 - (1) To avoid potential disposal problems, only the quantity of pesticides needed for one season should be ordered and stored. If pesticide disposal becomes necessary, these products will be returned to the Defense Logistics Agency (DLA) Materials Return Program or transferred to the Defense Reutilization and Marketing Office per DLA, Command Consultant, or IC procedures.
 - (2) Pesticide regulatory actions involving EPA pesticide label cancellations will follow the DLA, AFPMB, and Command Consultant guidance.
 - (3) Pesticides, pesticide spill residues, and other pesticide contaminated pest management materiel designated as solid wastes or HAZMAT will be disposed of per AR 200-1 (chaps 3 and 5) and DOD guidance in AFPMB Technical Information Memorandum (TIM) No. 15 and TIM No. 21. Pesticides not designated as HAZMAT will be disposed of as required by the product's EPA approved label requirements and Command Consultant or installation procedures.
 - (4) The IPMC will maintain records of hazardous pesticide disposal actions per installation procedures.
- e. *Pesticide handling and applications.*
 - (1) Pesticides will be handled and applied on Army installations per EPA and State approved product label instructions by personnel who meet the training and certification requirements of this regulation.
 - (2) Pesticide dispersal and other pest management equipment will be calibrated and maintained to manufacturer's performance standards.
 - (3) Pest management supervisors will plan and implement pest management strategies that minimize environmental and safety risks from pesticides used at their installations.
 - (4) The use of pesticides at Army installations and by Army personnel will be restricted under circumstances described in paragraph 2-16.
- f. *Contingency and readiness training.* Pesticide usage, storage, handling, applications, and disposal criteria for contingency and readiness training will conform to Command Consultant and Army Pest Management Program guidance.

2-12. Aerial pesticide applications

- a. *Purpose.* Aerial pesticide applications over Army lands may be necessary in medical or other emergencies, to protect natural resources, or to prevent economic losses under agriculture or other lease or land-use agreements. Because aerial applications may pose higher risks to non-target species within and beyond the boundaries of Army installations, the planning, coordination, and documentation requirements for these actions should be more rigorous than for other pest management operations.
- b. *Validation requirements.* All aerial applications, to include those by contract and those on leased lands, will comply with the following requirements:
 - (1) *Planning.*
 - (a) Aerial application projects deemed likely from past outbreaks of medical, commercial, or agricultural pests will be addressed in an aerial validation plan (AVP) as an enclosure to the IPMP. If not addressed in approved IPMPs, AVPs for emergency aerial applications will be prepared as needed by cognizant IPMCs.
 - (b) Each AVP will meet the informational and procedural criteria in appendix B.
 - (2) *Review and approval.*
 - (a) The IPMC will coordinate review of each AVP with the installation environmental coordinator for conformance to requirements and procedures in AR 200-2, regarding potential environmental impacts.

- (b) All AVPs will be reviewed and approved by Command Consultants who are DOD certified in aerial pest management. Command Consultants may delegate approval authority for AVPs to subordinate PPMP who are DOD certified in aerial pest management.
 - (c) Command Consultants will maintain historical records of approved AVPs.
- c. *Other requirements.*
- (1) When Army installations participate in regional or other aerial application projects sponsored by non-DOD Government agencies, IPMCs will comply with and notify Command Consultants of additional documentation, coordination, and project approval requirements for these projects.
 - (2) Aerial applications by U.S. Air Force resources on Army installations will also comply with requirements in the Air Force Instruction 32-1074 and/or with other applicable Air Force policies and procedures.
 - (3) Only personnel trained and certified per DOD policies will apply aerial pesticides. Commercial pest management firms will also be licensed for aerial applications per the requirements of the government jurisdictions where the Army installation is located.
 - (4) Aerial spray missions OCONUS will be conducted per host nation environmental protection laws and regulations that govern the aerial application of pesticides and be consistent with existing FGS, SOFA, or the OEBGD.

2-13. Safety and occupational health

- a. *Purpose.* Pest management operations, as do other Army operations and activities, have potential safety and occupational health (OH) risks. Army regulations and programs are designed to eliminate these workplace hazards and preserve Army personnel and property against accidental loss.
- b. *Standards.*
 - (1) Workplace training hazard information, to include Material Safety Data Sheets, education, medical surveillance, and record keeping will be per AR 40-5 (chap 5), AR 200-1 (chap 4), and 29 Code of Federal Regulations (CFR) 1910.1200.
 - (2) The requisition, use, maintenance, and disposal of personal protective equipment and clothing will be per AR 40-5 (chap 10), AR 11-34, AR 385-10, and AFPMB TIM No. 14.
 - (3) IPMCs will identify and address findings of adverse safety conditions and OH reports in annual updates to IPMPs.
 - (4) Public notification procedures and posting requirements for pesticide applications and other pest management operations will conform to State and local requirements per installation and MACOM procedures.
- c. *Scope.* ICs will include pest management facilities and operations within the scope of installation safety and OH programs.

2-14. Pest management contracts

- a. *Purpose.* Commercial contracts may be used whenever pest management services can be obtained more effectively and economically than by using available Army staff and resources.
- b. *Commercial activity (CA) reviews.*
 - (1) Command Consultants will provide technical guidance to installations undergoing CA reviews of their pest management operations per AR 5-20.
 - (2) IPMCs will notify Command Consultants if installation pest management operations are to undergo CA reviews.

- c. *Contracting standards and procedures.*
 - (1) Contracts involving pest management services will meet requirements in Parts 13-15 of the Federal Acquisition Regulation (FAR), as supplemented by the DOD FAR (DFAR) and the DA FAR (AFAR).
 - (2) Performance work statements in contracts involving pest management services will be written and administered per AFPMB TIM No. 39 in ways that promote the Army Pest Management Program standards, goals, and objectives.
 - (3) IPMCs will forward all contracts involving pest management services not referenced in approved IPMPs to Command Consultants for review per MACOM policies and procedures.
 - (4) Pest management services obtained via the International Merchant Purchase Authorization Card program or similar contract mechanisms will meet all requirements of this chapter and regulation.
 - (5) Contracting mechanisms for pest management services will require that personnel performing these services meet DOD training and certification requirements per paragraphs 2-8 and 2-9.
- d. *Quality assurance.*
 - (1) Commanders will implement quality assurance programs for contracts involving pest management services.
 - (2) Personnel designated as PMQAEs for contracts involving pest management services will be trained and accredited per paragraphs 2-8 and 2-9.
- e. *Records management.* IPMCs will maintain records of all installation contracts involving pest management services and the names and accreditation certificates of all installation PMQAE personnel and will provide this information to Command Consultants per program guidance and procedures.

2-15. Self-help pest management programs

- a. *Purpose.* Installation self-help programs promote cost-effective IPM approaches for minor pests by limiting their sources of food and harborage. Successful programs also satisfy housing occupants and installation managers by reducing pest populations, risks from pesticides, and the need for professional pest management services.
- b. *Pest management materiel.*
 - (1) Pest management materiel for self-help programs will include only items that trap or physically limit access of pests to housing areas. Chemical pesticides will not be issued, except as enclosed in baits for ant and cockroach control, or as authorized by Command Consultants.
 - (2) Pesticide products authorized for self-help programs will be subject to the handling and record keeping requirements of this regulation. Storage requirements of pest management materiel will be per Command Consultant guidance.
- c. *Training.* Command Consultants will establish pest management self-help guidelines and procedures for self-help, including training requirements for program administrators and family housing occupants.
- d. *Program management and record keeping.*
 - (1) The IC will include pest management materiel as part of installation self-help programs per Army self-help policies and procedures.
 - (2) The IPMC will include self-help program procedures, materiel, and record keeping requirements in the IPMP and installation records and reports per paragraph 2-10.

2-16. Pest management procedures

- a. *Purpose.* Army policies promote IPM, industry best practices, and new pest management technologies that support program objectives for effective and environmentally safe pest management operations. This commitment is encompassed in program guidance by the AFPMB (TIMs and Military Pest Management Handbook), the U.S. Army Center for Health Promotion and Preventive Medicine Technical Guides, and select ARs (see related publications) as administered by Command Consultants.
- b. *New pest management technologies.*
 - (1) Pest management research projects that investigate new pest management technologies on Army property will require written protocols approved in advance by the Command Consultant.
 - (2) Personnel who prepare and oversee these research protocols will meet the DOD requirements for PPMP. Personnel who apply pesticides on Army property will be trained and certified per the DOD Plan.
 - (3) If the research projects involve issuing experimental use permits, then consult the guidelines for testing these pesticides on Army property in AFPMB TIM No. 22.
 - (4) Research projects with pest management and other program management objectives (for example, conservation of wetlands) will meet the review and approval requirements of the Army programs under which they are funded.
 - (5) The IPMC will notify the Command Consultant of all proposed new pest management technology projects and will provide copies of approved pest management technology protocols to the installation environmental coordinator or appropriate installation resource managers per installation staffing guidelines and procedures.
- c. *Regulated pest management practices.* See appendix C for summaries of pest management practices that are regulated by other Army and DOD regulations.
- d. *Command Consultants' decisions.* Command Consultants may require or prohibit specific pest management practices consistent with DOD policies and procedures. Pest management operations at Army installations will not differ from those described in the IPMPs, except when approved by Command Consultants.

Chapter 3

Other Pest Management Program Requirements

3-1. Armed Forces Pest Management Board

- a. The mission of the Armed Forces Pest Management Board (AFPMB) is to recommend policy, provide scientific advice, and provide DOD-wide coordination on pest management matters. The Army supports this mission through administrative and logistical support and by providing qualified representatives to the AFPMB Council and committees, as specified by DOD and AFPMB policies and procedures.
- b. The ACSIM and TSG will designate Army representatives and alternates on the AFPMB Council and Executive Committee in equal numbers. The ASC will serve as the senior ACSIM representative on the Executive Committee and as a voting member of the council.
- c. Army members of the AFPMB Executive Committee will establish procedures to nominate Army representatives for membership on other AFPMB standing and ad hoc committees.

3-2. Formal interagency agreements

- a. Army program managers at all levels of command are encouraged to use interagency agreements whenever it is cost-effective or otherwise beneficial to promote IPM and other program objectives.
- b. Formal environmental agreements involving Army ICs or USACE commanders will be per requirements in AR 200-1, paragraph 15-8.

3-3. Awards

- a. The Army Pest Management Program, because of its contribution to pollution prevention and natural and cultural resource management programs, will be eligible for awards under the Consolidated Army Military Awards (CAMA) Program (AR 200-1, para 15-10). The award program recognizes both individual and installation pest management program achievements.
- b. The ASC will serve as the proponent for Army CAMA and other Army or DOD-award programs that recognize pest management program achievements.

Appendix A References

Section I Required Publications

Air Force Instruction (AFI) 32-1074

Aerial Application of Pesticides. (Cited in para 2-12.) (This publication is available digitally on the SAF/AAD web site at: <http://afpubs.hq.af.mil/pubsforms/pubs/af/32/32107400/32107400.pdf>)

AFPMB Technical Information Memorandum (TIM) No. 14

Personal Protective Equipment for Pest Management Personnel. (Cited in para 2-13.) (TIMs may be obtained from the DOD AFPMB, Forest Glen Section, Walter Reed Army Medical Center, Washington, DC 20307-5001.)

AFPMB TIM No. 15

Pesticide Spill Prevention and Management. (Cited in para 2-11.)

AFPMB TIM No. 21

Pesticide Disposal Guide for Pest Control Shops. (Cited in para 2-11.)

AFPMB TIM No. 22

Guidelines for Testing Experimental Pesticides on DOD Property. (Cited in para 2-16.)

AFPMB TIM No. 24

Contingency Pest Management Pocket Guide. (Cited in terms.)

AFPMB TIM No. 39

Guidelines for Preparing DOD Pest Control Contracts Using Integrated Pest Management. (Cited in para 2-14.)

AR 5-20

Commercial Activities Program. (Cited in para 2-14 and terms.)

AR 11-34

The Army Respiratory Protection Program. (Cited in para 2-13.)

AR 25-30

The Army Publishing Program (Cited in terms.)

AR 40-5

Preventive Medicine. (Cited in paras 1-4, 2-13, and appendices C-4, C-5, and C-6.)

AR 40-12/SECNAVINST 6210.2A/AFR 161-4

Quarantine Regulations of the Armed Forces. (Cited in appendix C-7.) (This publication is available digitally on the U.S. Army Publishing Agency home page at <ftp://pubs.army.mil/pub/epubs/books/afr161> 4.bo0).

AR 200-1

Environmental Protection and Enhancement. (Cited in paras 1-1, 1-4, 2-3, 2-4, 2-11, 2-13, 3-2, and 3-3.)

AR 200-2

Environmental Effects of Army Actions. (Cited in paras 1-4, 2-6, 2-12, and appendix B-2.)

AR 200-3

Natural Resources—Land, Forest, and Wildlife Management. (Cited in para 1-4, appendix C-1, and terms.)

AR 200-4

Cultural Resources Management. (Cited in para 1-4, appendix C-2, and terms.)

AR 210-20

Master Planning for Army Installations. (Cited in paras 1-4 and 2-6.)

AR 210-50

Housing Management. (Cited in para 1-4 and appendix D-8.)

AR 215-1

Nonappropriated Fund Instrumentalities and Morale, Welfare, and Recreation Activities. (Cited in paras 1-4 and 2-4.)

AR 350-4

Integrated Training Area Management (ITAM). (Cited in para 1-4.)

AR 385-10

The Army Safety Program. (Cited in paras 1-4 and 2-13.)

AR 420-10

Management of Installation Directorates of Public Works. (Cited in para 1-4.)

AR 420-90

Fire Protection. (Cited in para 2-11.)

AR 608-10

Child Development Services. (Cited in appendix C-3.)

DA PAM 200-1

Environmental Protection and Enhancement. (Cited in para 2-3.)

Defense Finance and Accounting Service Indianapolis Center (DFAS-IN) Manual 37-100-**

The Army Management Structure. (Cited in para 2-4.) (This publication may be obtained from the Director, Defense Finance and Accounting Service—Indianapolis Center, ATTN: DFAS-IN/AQ, 8899 East 56th Street, Indianapolis, IN 46249-2201.)

DOD 4150.7-M

DOD Pest Management Training and Certification. (Cited in paras 1-4 and 2-8) (This publication may be obtained from the DOD AFPMB, Forest Glen Section, Walter Reed Army Medical Center, Washington, DC 20307-5001.)

DOD 4150.7-P

DOD Plan for the Certification of Pesticide Applicators. (Cited in paras 1-4, 2-8, 2-9, 2-16, and terms.) (This publication may be obtained from the DOD AFPMB, Forest Glen Section, Walter Reed Army Medical Center, Washington, DC 20307-5001.)

DOD Directive 4715.1

Environmental Security. (Cited in para 1-4.) (This publication may be obtained from the DOD AFPMB, Forest Glen Section, Walter Reed Army Medical Center, Washington, DC 20307-5001.)

DOD Instruction 4150.7

DOD Pest Management Program. (Cited in summary, paras 1-4, 2-5, 2-6, 2-7, 2-9, 2-10, appendix C-9, and terms.) (This publication may be obtained from the DOD AFPMB, Forest Glen Section, Walter Reed Army Medical Center, Washington, DC 20307-5001.)

EP 1130-2-540

Environmental Stewardship Operations and Maintenance Guidance and Procedures. (Cited in para 1-4.) (This publication may be obtained from the Department of the Army, U.S. Army Corps of Engineers, Washington, DC 20314-1000 and is available digitally at <http://www.usace.army.mil/inet/usace-docs/eng-pamphlets/ep1130-2-540/toc.htm>.)

ER 1130-2-540

Environmental Stewardship Operations and Maintenance Policies. (Cited in para 1-4.) (This publication may be obtained from the Department of the Army, U.S. Army Corps of Engineers, Washington, DC 20314-1000 and is available digitally at <http://www.usace.army.mil/inet/usace-docs/eng-regs/er1130-2-540/toc.htm>.)

FORSCOM Regulation 700-2

FORSCOM Standing Logistics Instructions. (Cited in para 2-11.) (This publication may be obtained from Department of the Army, Headquarters, U.S. Army Forces Command, Fort McPherson, GA 30330-6000.)

MIL-HDBK-1028/8A

Military Handbook Design of Pest Management Facilities. (Cited in para 2-11.) (This publication may be obtained from the DOD AFPMB, Forest Glen Section, Walter Reed Army Medical Center, Washington, DC 20307-5001.)

Note. United States Codes (U.S.Cs) and CFRs may be found in your legal office or law library. Copies may be purchased from the Superintendent of Documents, Government Printing Office, Washington, DC 20402. U.S.Cs are available digitally on the United States Government Printing Office web site at: <http://www.access.gpo.gov/congress/cong013.html> and the Legal Information Institute, Cornell Law School web site at <http://www4.law.cornell.edu/uscode>. CFRs are available digitally on the National Archives and Records Administration section of the United States Government Printing Office web site at: <http://www.access.gpo.gov/nara/cfr/index.html>.

7 United States Code (U.S.C.) Section (Sec.) 136 et seq.

Federal Insecticide, Fungicide, and Rodenticide Act as Amended. (Cited in para 1-4 and terms.)

42 U.S.C. Sec. 4321-4370d

National Environmental Policy Act. (Cited in paras 1-4, 1-11, and 2-6.)

29 Code of Federal Regulations (CFR) 1910.1200

Hazard Communication. (Cited in para 2-13.)

48 CFR Chapter 2

Department of Defense Acquisition Regulations. (Cited in para 2-14.)

48 CFR Chapter 51

Department of the Army Acquisition Regulations. (Cited in para 2-14.)

48 CFR Chapter 1, Part 13

Federal Acquisition Regulation. Simplified Acquisition Procedures. (Cited in para 2-14.)

48 CFR Chapter 1, Part 14

Federal Acquisition Regulation. Sealed Bidding. (Cited in para 2-14.)

48 CFR Chapter 1, Part 15

Federal Acquisition Regulation. Contracting By Negotiation. (Cited in para 2-14.)

Section II

Related Publications

A related publication is merely a source of additional information. The user does not have to read it to understand this regulation.

AFPMB Military Pest Management Handbook

Chapter 4, Pesticide Dispersal Equipment. Chapter 7, Medically Important Arthropods. Chapter 8, Urban Arthropods (Home, Office, and Industrial Facilities). Chapter 9, Wood Destroying Insects. Chapter 10, Rodents, Birds, Bats and Other Nonarthropod Pests. (This publication may be obtained from the DOD AFPMB, Forest Glen Section, Walter Reed Army Medical Center, Washington, DC 20307-5001.)

AFPMB TIM No. 11

Hydrogen Phosphide Fumigation with Aluminum Phosphide.

AFPMB TIM No. 16

Pesticide Fires: Prevention, Control and Cleanup.

AFPMB TIM No. 20

Pest Management Operations in Medical Treatment Facilities.

AFPMB TIM No. 26

Lyme Disease Vector Surveillance and Control.

AFPMB TIM No. 27

Stored-Product Pest Monitoring Methods.

AFPMB TIM No. 31

Contingency Retrograde Washdowns: Cleaning and Inspection Procedures.

AFPMB TIM No. 35

Termite Inspection Recommendations.

AFPMB TIM No. 37

Guidelines for Reducing Feral/Stray Cat Populations on Military Installations in the United States.

AR 55-355

Defense Traffic Management Regulation.

AR 405-80

Management of Title and Granting Use of Real Property.

Defense Logistics Agency Instruction (DLAI) 4145.31

Integrated Stored Products Pest Management. (This publication may be obtained from HQ, DLA Administrative Support Center, 8725 John J. Kingman Road, Suite 1560, ATTN: DASC-V, Fort Belvoir, VA 22060-6221.)

Joint Pub 1-02

Department of Defense Dictionary of Military and Associated Terms. (This publication may be obtained from U.S. Army AG Publication Center, 2800 Eastern Boulevard, Baltimore, MD 21220-2898.)

NAVFAC MO-312

Wood Protection. (This publication may be obtained from Naval Facilities Engineering Command, 200 Stovall Street, Alexandria, VA 22332-2300.)

7 U.S.C. Sec. 2801 et seq.

Federal Noxious Weed Act as Amended.

U.S. Army Center for Health Promotion and Preventive Medicine (USACHPPM) Technical Guide No. 208

Procedures for Thermal Control of Cockroaches in Army Food Service Facilities. (This publication may be obtained from the Commander, USACHPPM, ATTN: MCHB-DC-OEN, 5158 Blackhawk Road, Aberdeen Proving Ground, MD 21010-5422.)

40 CFR Chapter I, Subchapter E, Part 152-186

Pesticide Programs.

40 CFR Chapter I, Subchapter I, Parts 260-268

Solid Wastes.

40 CFR Chapter V, Parts 1500-1508

Council on Environmental Quality.

40 CFR Chapter I, Subchapter E, Part 172

Experimental Use Permits.

Section III

Prescribed Forms

DD Forms 1532 and 1532-1 are available through the Army Electronic Library (AEL), CD-ROM, and the USAPA web site. DD Forms 1826 and 1826-1 are available from the Armed Forces Pest Management Board, Forest Glen Section, Walter Reed Army Medical Center, Washington, DC 20307-5001.

DD Form 1532

Pest Management Report. (Prescribed in para 2-10.)

DD Form 1532-1

Pest Management Maintenance Report (Prescribed in para 2-10.)

DD Form 1826

Certificate of Competency. (Prescribed in para 2-9.)

DD Form 1826-1

Pesticide Applicator. (Prescribed in para 2-9.)

Section IV**Referenced Forms**

This section contains no entries.

Appendix B**Elements of an Aerial Validation Plan****B-1. Introductory information:**

- a. Army activity preparing the request.
- b. Date of preparation.
- c. Name of person preparing the statement.

B-2. Body of the AVP will include complete information on each of the following topics:

- a. *Rationale.*
 - (1) What would an aerial application accomplish?
 - (2) What is the problem (health related, property damage, crops, forests, and so forth)?
 - (3) What is the pest (and for insects, the life stages) to be controlled?
 - (4) Why is the proposed aerial application important to the Commander?
 - (5) How does the proposed aerial application influence the installation mission?
 - (6) What are the surveillance criteria to demonstrate the need and effect of the requested aerial application? Describe the pre and post surveillance procedures.
 - (7) What is the impact if the requested aerial application is not done?
- b. *Description of the target area.*
 - (1) Size.
 - (2) Land usage (agriculture, recreation, residential, commercial, industrial, and so forth).
 - (3) Proximity to inhabited areas.
 - (4) What natural resources (endangered species, wildlife communities, agriculture, livestock areas, vegetative cover, and so forth) will influence the proposed aerial application?
 - (5) Are there topographical features that will influence the proposed aerial application?
 - (6) Are there water resources (aquatic areas, drainage patterns, potable water supplies, and so forth) that will influence the proposed aerial application?
 - (7) Are there climatological factors that will influence the proposed aerial application?
- c. *Pesticide information (Provide data for each chemical).*
 - (1) Pesticide of choice, its National Stock Number (NSN), and EPA registration number and formulation.
 - (2) Application rate.
 - (3) Toxicity for target and non-target species.
 - (4) Persistence and degradation characteristics.
 - (5) Are there label restrictions?

- d. *Application information.*
 - (1) Who will make the aerial application (DOD, contract, or other)?
 - (2) Are the aerial applicators licensed and certified to perform an aerial application?
 - (3) Method of application (type of aircraft, altitude, airspeed, spray swath).
 - (4) Number of applications and approximate dates of applications.
- e. *Alternative methods (IPM).*
 - (1) List alternative control methods.
 - (2) Why were these alternatives rejected as the solution to the problem?
- f. *Sensitive areas.*
 - (1) Are there areas to be avoided or treated with caution (protected species habitats, crops lands, lakes, rivers, streams, and so forth)?
 - (2) What measures will be used to reduce the effects on these areas?
 - (3) How will the proposed aerial application affect the natural resources in the target area?
- g. *Federal, State, and county coordination.*
 - (1) Are there Federal, State, or county requirements to satisfy before an aerial application is done?
 - (2) Indicate if these requirements have been met.
- h. *Environmental documentation.* Has the environmental documentation for the proposed aerial application been reviewed and approved per AR 200-2?

Appendix C

Pest Management Practices Regulated by other Army and DOD Regulations

C-1. Natural resources.

Pest management operations that may influence installation natural resources, to include endangered and threatened species and their habitats, fish and wildlife, aquatic resources, and lands for recreation, commercial forestry, and agricultural and grazing leases are administered per requirements in AR 200-3 as follows:

- a. Poisonous plants will be controlled only where they present a health hazard to personnel or possess potential for spreading to adjacent landowners' property (para 2-18).
- b. Plants designated as noxious by Federal or State agencies will be controlled per installation environmental policies and in harmony with local community programs and adjacent property owners (para 2-18).
- c. Procedures for animal damage control activities of species protected or managed by Federal or State wildlife agencies (migratory birds, State protected wildlife) will be per the memorandum of understanding between the DOD and the U.S. Department of Agriculture (para 2-8).

C-2. Cultural resources.

Administrative procedures for pest management operations at installation historical and cultural resources, to include historic properties, cultural items, archeological resources, and sacred sites are regulated per AR 200-4.

C-3. Child development centers.

Pest management operations at CDCs are regulated per AR 608-10, which requires that all operations be approved and inspected by the installation health consultant or safety officer, prohibits control treatments when children are in the facility, prohibits the use of herbicides for weed control in the children's play areas, and requires that all pest management operations be documented in the IPMP.

C-4. Medical treatment facilities (MTFs).

Pest management in Army MTFs is regulated per AR 40-5, which prohibits pesticide applications while patients are in the immediate area and prohibits preventive pesticide treatments in patient areas.

C-5. Food handling establishments.

The management of pest infestations in food handling establishments is regulated per AR 40-5, which requires that IPM principles and measures be followed, prohibits pesticide applications without current or historical surveillance data documenting the pest infestation, prohibits pesticide applications in the food preparation area when it is in operation, and prohibits the use of automatic aerosol pesticide dispensing devices in food serving or preparation areas.

C-6. Medically important pests.

Surveillance and control of medically important pests (see glossary) on Army installations or lands require coordination with the local medical authority per AR 40-5.

C-7. Pest quarantine.

The quarantine policies and procedures in AR 40-12/SECNAVINST 6210.2A/AFR 161-4, which are intended to prevent the domestic (interstate) and/or international introduction and dissemination of medically and agriculturally important pests, require commanders at all levels to cooperate fully with Federal, State, or the foreign nation agency responsible for pest quarantine, and establish guidance and procedures that limit pesticide treatments to the minimum needed to meet quarantine requirements. This regulation also requires installations to procure pesticides, equipment, and other material needed to comply with Federal quarantine requirements and notify the Command Consultant of any quarantine issue or action on installations or lands under their command and control.

C-8. Termites.

Termite control practices in Army housing are restricted by AR 210-50, which prohibits chemical treatments under or through concrete slabs used in slab-on-slab-grade construction of housing where heating, ventilating or air conditioning ducts are present within or beneath the slab, and requires that full details (type of chemical, strength, date of application, and so forth) of the chemical treatment be documented and retained in housing files.

C-9. Regulated practices.

DOD Instruction 4150.7 identifies additional regulated pest management practices in the following categories:

- a. Electrically operated devices.
- b. Paints and coatings containing pesticides.
- c. Preventive or scheduled pesticide treatments.
- d. Disinsection of military aircraft.
- e. Forest pests.
- f. Nuisance pests.
- g. Pest management in military quarters and housing.
- h. Pest management at closing installations.
- i. Stored products pests.
- j. Turf and ornamental pests.
- k. Undesirable plants.
- l. Weed control.
- m. Wood protection.
- n. Pest management and disease vector control during military contingency operations, readiness training exercises, and deployments.

Glossary

Section I Abbreviations

ACSIM

Assistant Chief of Staff for Installation Management

AFAR

Department of the Army Federal Acquisition Regulation

AFPMB

Armed Forces Pest Management Board

AMEDD

Army Medical Department

AR

Army Regulation

ASA(CW)

Assistant Secretary of the Army (Civil Works)

ASA(I &E)

Assistant Secretary of the Army (Installations and Environment)

ASC

Army Senior Consultant

AVP

Aerial Validation Plan

BRAC

Base Realignment and Closure

CA

Commercial Activity

CAMA

Consolidated Army Military Awards

CDC

Child Development Center

CFR

Code of Federal Regulations

CFSC

Community and Family Support Center

DA

U.S. Department of the Army

DEP

Director of Environmental Programs

DFAR

Department of Defense Federal Acquisition Regulation

DLA

Defense Logistics Agency

DOD

Department of Defense

DOI
Department of Interior

EPA
U.S. Environmental Protection Agency

EPR
Environmental Program Requirements

FAR
Federal Acquisition Regulation

FIFRA
Federal Insecticide, Fungicide and Rodenticide Act

FGS
Final Governing Standards

FORSCOM
U.S. Army Forces Command

GOCO
Government-Owned, Contractor-Operated

HAZMAT
Hazardous Materials

IC
Installation Commander

IPM
Integrated Pest Management

IPMC
Installation Pest Management Coordinator

IPMP
Installation Pest Management Plan

MACOM
Major Army Command

MTF
Medical Treatment Facility

MWR
Morale, Welfare, and Recreation

NAFI
Non-Appropriated Fund Instrumentalities

NEPA
National Environmental Protection Act

OCONUS
Outside of the continental United States

OEBGD
Overseas Environmental Baseline Guidance Document

OH
Occupational health

PMQAE
Pest Management Quality Assurance Evaluator

PPMP

Professional Pest Management Personnel

SOFA

Status of Forces Agreement

TIM

Technical Information Memorandum

TSG

The Surgeon General

U.S.

United States

U.S.C.

United States Code

USACE

U.S. Army Corps of Engineers

USAEC

U.S. Army Environmental Center

Section II**Terms****Agricultural lease**

Use of Army lands under a lease to an agency, organization, or person for growing crops or grazing animals. See AR 200-3.

Army Senior Consultant

The professional Army pest management Command Consultant designated by the DEP, who serves as the primary ACSIM staff proponent for technical guidance of the Army Pest Management Program.

Certification

The formal recognition of training and competency to perform pesticide applications per the DOD Plan. DOD employees certified per the DOD Plan can, without obtaining additional State certification, use and supervise the use of restricted-use pesticides while engaged in performing their official duties.

Certification Official

The DOD PPMP who reviews and validates the qualifications of DOD pesticide applicators to meet the standards in the DOD Plan. In the Army, Certification Officials are designated by MACOM commanders, nominated by the ASC through the DEP, for approval by the Executive Director, AFPMB. See Command Consultant.

Command Consultant

Personnel who meet the DOD educational and experience criteria for PPMP and who serve at the MACOM and higher Army-levels of command. Examples of Command Consultants are the MACOM consultants and the ASC. Command Consultants interpret and establish program standards for the installation programs within their commands and are responsible for evaluating and providing technical guidance to support these programs. Except when prohibited by regulation, Command Consultants normally serve as Certification Officials. See Certification Official.

Contingency

An emergency involving military forces caused by natural disasters, terrorism, or subversion or by required military operations. In the context of the Army Pest Management Program, includes use of military personnel to execute pest management operations, to include disease vector control identified in AFPMB Contingency Pest Management Pocket Guide, TIM No. 24. See Joint Pub 1-02.

Cultural resources

Historic properties, cultural items, archeological resources, sacred sites, and collections found on an installation. See AR 200-4.

Endangered and Threatened Species (See AR 200-3)

- a. Endangered species. Any species, plant or animal, which is in danger of extinction throughout all or a significant portion of its range, as listed by the U.S. Department of Interior (DOI).
- b. Threatened species. Any species, plant or animal, which is likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range, as listed by the DOI.
- c. Candidate species. Any species, plant or animal, which is being considered for listing as threatened or endangered by the DOI.
- d. State listed species. Any species, plant or animal, which is listed by the appropriate State as threatened or endangered within the State, but may not be listed by the DOI.

Experimental Use Permit

A permit issued by the EPA that allows the applicant to use an unregistered pesticide to collect information necessary to register the product (or new product uses) under FIFRA. See FIFRA.

Installation

A grouping of facilities and associated lands located in the same vicinity, over which the IC has authority. With respect to the IPMP, one installation may be included within the scope of another installation's IPMP or of a larger command organization's IPMP that provides the installation's pest management services.

Installation Commanders

State Adjutants General (for purposes only of implementing this regulation), commanders of U.S. Army Regional Support Commands, OCONUS Area Support Group and Base Support Battalion commanders and commanders of other Army controlled real property as determined by their MACOM commanders.

Installation Pest Management Coordinator

The individual designated by the IC to oversee the installation pest management program. See paragraph 1-11.

Installation Pest Management Plan

A long-range, comprehensive installation planning and operational document that establishes the strategy and methods for conducting a safe, effective, and environmentally sound IPM program. Written IPMPs are required to establish and implement an installation pest management program. See DOD Instruction.

Integrated Pest Management

A planned program, incorporating continuous monitoring, education, record keeping, and communication to prevent pests and disease vectors from causing unacceptable damage to operations, people, property, materiel, or the environment. The IPM strategy uses targeted, sustainable, economical, environmentally sound methods including education, habitat modification, biological control, genetic control, cultural control, mechanical control, physical control, regulatory control and, where necessary, the judicious use of the least hazardous pesticides (from the DOD Instruction).

Lease

A written agreement which conveys a possessory interest in real property, usually exclusive, for a period of time for a specified purpose. For purposes of this regulation, lessees are commercial activities (for example, retail establishments and agricultural leases) but do not include tenant and supported activities. See AR 405-80.

Major Army Commanders

For purposes of this regulation, commanders of major Army commands include the MACOM commanders listed in AR 25-30 and also the Director, Army National Guard and the Commander, U.S. Army Reserve Command.

Medically important pests

Animals and plants capable of causing human disease or injury including, but not limited to, disease vectors and poisonous and injurious plants.

Natural resources

The viable and/or renewable products of nature and their environments of soil, air, and water. Included are the plants and animals occurring on grasslands, rangelands, croplands, forests, lakes, and streams (from AR 200-3).

New Pest Management Technologies

State-of-the-art pest management procedures, strategies, equipment, products or other materiel that are currently not part of the Army Pest Management Program, but deserve serious consideration to determine their effectiveness and potential incorporation into the program. All new pest management technologies require written protocols and approval by the Command Consultant before they can be tested at an installation.

Noxious Weed

Plant species identified by Federal or State agencies as requiring control or eradication (from AR 200-3).

Performance Work Statement

A statement of the technical, functional and performance characteristics of the work to be performed, identifies essential functions to be performed, determines performance factors, including the location of the work, the units of work, the quantity of work units, and the quality and timeliness of the work units. This is a critical element of pest management service contracts and CA review procedures. See AR 5-20.

Pests

Arthropods, birds, rodents, nematodes, fungi, bacteria, viruses, algae, snails, marine borers, snakes, weeds, and other organisms (except for human or animal disease-causing organisms) that adversely affect readiness, military operations, or the well-being of personnel and animals; attack or damage real property, supplies, equipment, or vegetation; or are otherwise undesirable (from the DOD Instruction).

Pest Management

The prevention and control of disease vectors and pests that may adversely affect the DOD mission or military operations; the health and well-being of people; or structures, materiel, or property (from the DOD Instruction).

Pest Management Materiel

Equipment or pesticides used to monitor, prevent, or control pests and disease vectors. Equipment items include, but are not limited to, all pesticide dispersal equipment, traps, nets, and pest attacking or pest repelling devices (from the DOD Instruction).

Pest Management Quality Assurance Evaluator

Personnel technically qualified in pest management by training, per DOD standards, which protect the Government's interest through on-site performance evaluation of commercial contracts involving pest management or other contracts that involve the use of pesticides. See AR 5-20.

Pesticide

Any substance or mixture of substances, including biological control agents, that may prevent, destroy, repel, or mitigate pests and are specifically labeled for use by the EPA. Also, any substance or mixture of substances used as a plant regulator, defoliant, desiccant, disinfectant, or biocide. Note: the AFPMB does not review or approve disinfectants or biocides per the DOD Instruction.

Pesticide Applicator

Any individual who applies pesticides or supervises the use of pesticides by others and who has been authorized to do so by successfully completing a training program approved by the EPA, followed by formal certification by DOD, State or for OCONUS, by the MACOM Certification Official. See the DOD Instruction.

Professional Pest Management Personnel

The DOD military officers commissioned in the Medical Service or Biomedical Sciences Corps or DOD civilian personnel with college degrees in biological or agricultural sciences that are in a current assignment that includes pest management responsibilities exercised regularly. The DOD civilian employees also will meet Office of Personnel Management qualification standards. Based on assignment, some PPMP are Command Consultants (from the DOD Instruction).

Quality Assurance

A structured program used by the Army to monitor the actions of a contractor to ensure that conditions of the performance work statement are met. See AR 5-20.

Real Property

DOD lands, buildings, structures, utility systems, surfaced areas, and improvements. Includes equipment affixed and built into a facility as an integral part. See AR 5-20.

Readiness Training

Operational training required for peacetime operations to maintain a high state of readiness and deterrence of potential enemies and, in the context of Army pest management, includes operations needed to manage pests and sustain a realistic and usable training site. Readiness training involves Medical Department Activity and installation pest management support actions. See Joint Pub 1-02.

State

Any one of the 50 United States of America; the District of Columbia; the Commonwealths of Puerto Rico, the Northern Marianas, Virgin Islands; and the Territories of Guam and American Samoa (from the DOD Instruction).

Surveillance

Thorough inspections or surveys made before and after pest management treatments to determine the presence and prevalence of pests or disease vectors. See DOD Instruction.

Technical Information Memorandum

Technical guidance prepared by the AFPMB on specific pest management and disease vector control topics. TIMs are available from the DOD AFPMB, Forest Glen Section, Walter Reed Army Medical Center, Washington, DC 20307-5001 (from the DOD Instruction).

Tenant and Supported Activity

A Government activity located on an installation.

Training

Formal or informal instruction in one or more subject areas concerning IPM and disease vector control to increase the expertise and measurable competence of pest management personnel in performance of specific IPM and disease vector control skills. Training methods are varied and include workshops, seminars, conferences, symposia, training courses, apprenticeships, interactive models, satellite and video tele-training, correspondence courses, training support packages including video based products, and other distributive products or materials (from the DOD Instruction).

Weed

A plant growing where it is not desired (from FIFRA).

Wetlands

Areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include playa lakes, swamps, marshes, bogs, and similar areas such as sloughs, prairie potholes, wet meadows, prairie river overflows, mudflats, and natural ponds. See AR 200-3.

Section III**Special Abbreviations and Terms**

This section contains no entries.

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