

Environmental Standard Operating Procedures (ESOP)

TITLE: ESOP 14.1 PESTICIDE MANAGEMENT
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PURPOSE: This ESOP establishes the responsibilities and procedures for integrated pesticide management (IPM). The purpose of IPM is to prevent pest damage to equipment and resources used to support the operational mission of the activities and tenant commands; to protect government real property, material and aesthetics; and reduce the use of pesticides.

BACKGROUND: IPM is focused on the control of pests through safe, environmentally sound, and cost effective pest management. IPM uses chemical and non-chemical control methods, education, application by need, spot-treatment, individual responsibilities including maximum sanitation and other prevention methods.

APPLICABILITY: This procedure covers all pest management and pesticide-related activities including in-house, contract, and credit-card purchased operations conducted by civilian personnel, military personnel and commercial contractors within all organizations organic to or tenanted aboard MCB Camp Lejeune, including those in transit or temporarily resident because of training or mobilization.

RESPONSIBILITY: All organizations / personnel involved in the use, distribution, management, application or control of pesticides.

PROCEDURE:

1. General Pesticide Management Procedures.

a. Only DoD-approved pesticides shall be used aboard MCB Camp Lejeune.

b. All pesticides must be on the approved list managed by the Pest Management Coordinator (PMC). The list of approved pesticides can be found at <https://intranet.emportal.usmc.mil/SITES/LE/default.aspx> under "Links."

c. Pesticides kept on the installation must be procured and stored in accordance with Federal Regulations.

d. All containers used to store or transport a pesticide must have the original or copy of the original-label attached, and must identify the person responsible for the container.

e. Pesticide applicators/vehicle operators must carry pesticides spill kits and properly security application equipment when not in use.

f. All personnel that apply or supervise the application of pesticides must be trained and certified.

g. Applications must be performed in a manner that ensures safety and protection of the environment.

h. Equipment must be cleaned to prevent health and environmental hazards due to chemical residues. Rinsate should be prevented from entering storm drains and water bodies.

i. For Installation Commands, turn-in empty, expired or unused pesticides to the Environmental Management Division (EMD) on designated turn-in day, in accordance with Base Order 5090.9. Contractors should consult their contract for proper management of pesticide containers.

j. Service requests for pest control shall be made by unit or organizational facility manager to the Work Reception Office, Public Works. Work tickets will be issued and reviewed by the PMC who will determine appropriate actions.

k. All usage shall be reported to the NAVFAC PMC approved/provided on-line reporting system to provide a summary printout electronic copy of the data. The website for the system is <https://clients.emainc.com/dcs/pestmanagement/PesticideLogon.asp> . The regional NAVFAC Applied Biology Center should be contacted to obtain a password and instructions to use the system. The report shall include individual daily records of all pesticide or herbicide use. Exclusions to this requirement are:

i. Application of pesticides by military housing residents.

ii. Personal use of insect repellant.

iii. Application by pet owners or veterinary services for flea and tick control.

l. Application of repellants by deployable units during a mass treatment of clothing or tenting must be supervised by certified/trained medical personnel. Usage records must be submitted as outlined in (k).

m. Any approved mixing shall be conducted at outdoor mixing sites on concrete pads or inside building mixing rooms at NH114 or Bldg 490.

n. Applications must be conducted in accordance with Federal and State directions, must be timed to ensure contact with and maximum kill, and must not be conducted under adverse weather conditions that could cause drift outside target areas.

o. NEPA Requirements for Pesticide Application. Use of pesticides on the authorized list is covered under a programmatic categorical exclusion. This CATEX covers the cantonment areas as identified in the Master Plan and as follows:

- i. Wallace Creek
- ii. Hadnot Point
- iii. French Creek
- iv. Camp Johnson
- v. Stone Bay
- vi. MARSOC
- vii. Courthouse Bay
- viii. Camp Geiger
- ix. MCAS New River
- x. Camp Devil Dog
- xi. Limited areas outside the cantonment areas including limited training areas, range-related structures and pump houses.

Any applications outside of the areas listed above require a request for environmental impact review (REIR). Please see BO 5090.12, Environmental Impact Review Procedures, for additional information.

2. Pollution Prevention Procedures.

- a. In selecting pesticides, trained/certified individuals shall:
 - i. Determine the need (is a chemical really needed).

ii. Choose the lowest toxicity formula with minimal environmental impacts.

iii. Choose long-term and most sustainable solutions.

b. The following pollution prevention practices shall be followed:

i. Use the least toxic pesticides like boric acid, glyphosate, fipronil baits.

ii. Spot spray or apply in cracks and crevices rather than broadcast or wide-area application.

iii. Target nests and reproductive stages with baits.

iv. Use traps rather than rodenticides.

v. Use mechanical or physical removal for weeds.

vi. Manage inventory quantities to minimize amounts of pesticides purchased, obtained, or stored.

vii. Refer to the MCBCL 2013 Integrated Pest Management Plan (09 Update) for Integrated Pest Management Sheets that provide guidance for controlling common pests. Use these sheets as the basis for pest management techniques, suggested action thresholds and suggested products.

3. Self-Help Procedures. ESOP 14.2 provides environmental guidelines for the use of Ready-to-Use (RTU) Roundup through the Base's Self-Help Program. Use of this product through this program will ensure that the herbicide is used safely and with environmental responsibility.

REFERENCES:

- (a) MCBCL 2008 Pest Management Plan (PMP)
- (b) MCO P5090.2A
- (c) OPNAVIST 6250.4B
- (d) DoD Instruction 4150.7
- (e) North Carolina Pesticide Law of 1971, G.S. 143-434, Article 52
- (f) 40 CFR 152-180

TRAINING:

All installation pest management personnel who apply or supervise the application of pesticides shall be trained and certified within two year of employment in accordance with the DoD Pest Management Program or an EPA-approved State Certification Plan. Initial certification is a four-week course conducted by a designated agency. The Navy course is conducted at the Navy Entomology Center of Excellence, Jacksonville, FL. Certification is valid for three years. Pesticide Management Quality Assurance Evaluators (PMQAEs) must be initially trained in pest management and receive recertification training every three years. Professional pest management personnel shall also be certified if in their duties they make recommendation for the use of pesticides, conduct demonstrations on proper use or techniques or conduct field research that includes using or supervising pesticides. For the application of pesticides for structural maintenance, grounds maintenance or right-of-way control, applicators must be licensed by the North Carolina Department of Agriculture and Consumer Services. For more information, go to <http://www.ncagr.gov/SPCAP/pesticides/license.htm>. Personnel working in DoD and commercial food service operations are required to attend food safety training that provides sanitation and hygiene information that prevents pest infestations. Employees must attend a four-hour course at the Naval Hospital or at a civilian source. Supervisors are required to attend an 18-hour course.

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REV 1	010614	Update Formatting and Content	<i>S J AZOK</i> . ECB/EMD

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