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Civil Engineering

MOSQUITO CONTROL PROGRAM



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This instruction implements Air Force Policy Directive 32-70, Environmental Quality. It establishes responsibilities and procedures for conducting the mosquito control program at Dover Air Force Base. It applies to all personnel on or attached to Dover Air Force Base.

1. GENERAL:

1.1. The mosquito control program requires the cooperation and combined efforts of the Bioenvironmental Engineer (SGPB), Public Health (SGPM), and the 436th Civil Engineer Squadron Operations Flight Entomology Shop (CEOBB). Coordination and concurrence with federal and state agencies are obtained before programs are initiated.

2. REFERENCES:

- 2.1. AFI 32-7061, The Environmental Impact Analysis Process.
- 2.2. AFI 32-1053, Pest Management Program.
- 2.3. AFR 91-22, Aerial Dispersal of Pesticides.
- 2.4. AFM 91-16, Military Entomology Operational Handbook.
- 2.5. Applicable Air Force Occupational Safety and Health (AFOSH) standards.

3. RESPONSIBILITIES:

3.1. Bioenvironmental Engineer:

- 3.1.1. Ensures proper chemicals, application procedures, and protective equipment are adequate for the operation.

3.1.2. Supervises cleanup and disposal in a spill or mishap.

3.2. Public Health:

3.2.1. Identifies breeding areas in conjunction with the Civil Engineer (CE) Entomology Shop.

3.2.2. Traps and assesses number and types of mosquitoes.

3.2.3. Coordinates need for aerial spraying with CE and prepares aerial spray request IAW AFR 91-22.

3.2.4. Maintains liaison with state mosquito control personnel

3.3. Civil Engineer Squadron:

3.3.1. Operations Flight (CEO) requests aerial spraying IAW AFR 91-22 from Headquarters, 302d Tactical Airlift (AFRES).

3.3.2. CEO notifies Airfield Management (OSAA), the Weather Flight Commander (OSW), and the Public Affairs Officer (PA) when aircraft is scheduled to arrive.

3.3.3. Annually, CEO coordinates the mosquito control program with, and obtains concurrence of, federal and state agencies.

3.3.4. Before initiating fogging, CEO notifies SGPM in writing of the insecticide to be used, application rate, and proposed fogging routes.

3.3.5. Annually, CEO plans for and procures required equipment and pesticides to ensure an effective program begins by 1 April.

3.4. Aerial Spray - Entomology Shop:

3.4.1. Supplies sufficient insecticide for each flight.

3.4.2. Delivers and helps load chemical.

3.4.3. Returns empty drums to the Entomology Shop.

4. PROCEDURES:

4.1. Larvaciding: Begins on or about 15 April and continues through September as required. Larvacide material used is aldosid briquettes or abate granules. Applied by hand.

4.2. Fogging: Adult mosquitoes will be treated with either scourge synthetic pyrethroid or 91 percent malathion from an ultra low volume fogging machine. Weather and wind permitting, fogging will be daily starting approximately 15 April and continuing through September.

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Commander