
Butte County Mosquito and Vector Control District

POLICY MANUAL

POLICY TITLE: Job Description - Pilot II

POLICY NUMBER: 6040

6040.1 Nature of Work

6040.1.1 This position serves as the District's primary pilot (or backup if a Chief Pilot is employed) for Butte County Mosquito and Vector Control District flight operations, Aviation Wing, and for support duties as assigned by the District's management and/or Chief Pilot.

6040.1.2 In the case where a Pilot I is not employed with the District, the Pilot II must cover the illustrative tasks of the Pilot I.

6040.2 Illustrative Tasks

6040.2.1 Performs supervised aircraft maintenance, aircraft washing, and hangar cleaning.

6040.2.2 Performs aircraft preflight procedures in accordance with the District owned aircraft owners manual's recommendations.

6040.2.3 Oversees and when necessary assists with aircraft loading (liquid and granule).

6040.2.4 Proficient with field operations including initial Loader Truck "ride along" and directing loader truck operator (LTO), satellite airstrip operations, forklift operations, aircraft repositioning and towing operations.

6040.2.5 Assist with mission planning, load sheets, and records.

6040.2.6 Is expected to conduct flight missions as directed by workload requirements and as assigned by the Chief Pilot.

6040.2.7 Is expected to conduct routine inspections and preventative maintenance of all District aircraft, aircraft spray equipment, hangar, aircraft spray equipment calibration and characterization. Oversees Loader Truck inspections.

6040.2.8 Must maintain a safe and clean work environment.

6040.2.9 Performs related work and other assigned tasks/assignments as directed by management and/or the Chief Pilot in a timely and efficient manner.

6040.2.10 Must be able to safely operate District forklifts, vehicles, power equipment, and aircraft.

6040.2.11 Attend assigned training sessions, reads District manuals and keeps informed on policies and procedures; reads technical literature related to aircraft repair and maintenance and mosquito control tools and implements.

6040.2.12 Properly disposes of or properly stores in marked containers, all hazardous materials, waste chemicals, and engine lubricants/fluids.

6040.2.13 Assists in training District personnel on proper operation, safety precautions, and care of District aircraft and other specialized equipment; brings safety related issues to the attention of the Chief Pilot, District Manager, Assistant Manager, Regional Supervisor, or any member of the District's Safety Committee and recommends corrective actions.

6040.2.14 Comprehension and understanding of BCMVCD Air Ops Ground Support Personnel Training Manual.

6040.2.15 Fulfills Pilot Registration with the Butte, Glenn, and Sutter County Agriculture Commissioners offices (and others if applicable) annually.

6040.3 Secondary Illustrative Tasks

6040.3.1 Due to work volume, financial and staffing constraints, and other unknown and/or unanticipated conditions, at times, this position may be assigned other tasks, including field surveillance and control operations; clerical and/or office operations; mechanical and maintenance operations; public education and outreach operations; and other operations as needed, requested, and/or required.

6040.4 Knowledge, Abilities, and Skills

6040.4.1 Knowledge of the duties and responsibilities of the Butte County Mosquito and Vector Control District.

6040.4.2 Knowledge of chemical application equipment.

6040.4.3 Know the sections of California laws (Food and Agricultural Code) and regulations, (California Code of Regulations, Title 3) and federal aviation regulations (FAR) found in the Code of Federal Regulations, Title 14 (14 CFR) that deal with agricultural aircraft operations and aerial pesticide applications.

6040.4.3.1 Understand the requirements for DPR's aerial applicator license/certificate.

6040.4.3.2 Understand the regulations covering aerial application including restrictions relating to hazardous materials.

6040.4.3.3 Understand label and state restrictions relating to flying height of applications.

6040.4.3.4 Be aware of congested areas and restrictions and understand differences between 14CFR part 91 and part 137.

6040.4.4 Knowledge of the proper use of GPS guidance system operations and communication equipment and requirements.

6040.4.5 Knowledge of Grumman Ag Cat Owners Manual, aircraft and power-plant normal and emergency operations.

6040.4.6 Knowledge of the proper use and safety of hand and power tools.

6040.4.7 Knowledge of pesticide safety and handling and pesticide application calibration techniques.

6040.4.8 Knowledge of federal, state, and local laws and regulations pertaining to driving, vector control, and disposal/storage of hazardous material.

6040.4.9 Should have a basic knowledge of industry standard publications to include but not limited to, Laws and Regulations Study Guide, The Safe and Effective Use of Pesticides, Professional Standards for Agricultural Aviation-Standards and Best Management Practices, California Restricted Materials Requirements List, Aerial Application Apply Pesticides Correctly A Guide For Commercial Applicators, Guidelines For Physicians.

6040.5 Working Conditions

6040.5.1 The Pilot II may be exposed to pesticides, communicable diseases, and other health hazards; inclement weather conditions, and verbal confrontations from the public. The Pilot II must be willing to occasionally work non-standard work schedules including evenings, weekends and holidays.

6040.6 General Requirements

6040.6.1 The Pilot II must possess and maintain a current appropriate medical certificate issued by the Federal Aviation Administration (FAA).

6040.6.2 The Pilot II must possess and maintain a valid Journeyman Pest Control Aircraft Pilot certificate issued by the Director of the California Department of Pesticide Regulation and a valid commercial pilot's certificate.

6040.6.3 The Pilot II must have at least 1000 hours of total flight time, 200 hours of conventional geared aircraft experience. 50 hours experience in Ag Cat piston engine aircraft is preferred. Pilots with PT6 turboprop experience will have starting wages (2) steps above those with aircraft piston engine experience only.

6040.6.4 The Pilot II may qualify to operate District aircraft at night, applying mosquito adulticides using ultra low volume (ULV) spray equipment. To qualify for night operations, in addition to the requirements listed for a Pilot II and Pilot I, must possess an instrument rating with a minimum of three thousand (3000) hours of PIC time and one hundred sixty (160) hours of night time, and fifteen (15) hours of actual or simulated instrument time in addition to the forty (40) hours required for the instrument rating. The Pilot II should possess computer skills and develop a good understanding (as determined by the Chief Pilot) of AgNav, FlightMaster guidance systems, and SprayView programming software, and be able to develop and transfer spray missions into the aircraft guidance system, and be trained and certified for the use of night vision goggles. The Pilot II must be able to demonstrate the ability to maintain an altitude of 200 feet AGL while exercising complex navigation, communication, guidance system manipulation and spray operations simultaneously during night time flights.

6040.6.5 Although not required at this time, a commercial multi-engine aircraft rating is

desirable.

6040.6.6 Must exhibit proficiency (to commercial PTS standards) in conventional geared aircraft by passing a check ride administered by the Chief Pilot. Emphasis will be placed on those tasks pertinent to ag operations.

6040.6.7 Be able to fly and apply various liquid and granular materials with precision.

6040.6.8 Open book, oral, and/or written test will be administered by the Chief Pilot and included in the Pilot II file.

6040.6.9 Possess or qualify and immediately obtain and retain a valid California Driver's License, and have and maintain a safe driving record.

6040.6.10 Ability to meet any requirement of experience and/or education to obtain any licenses or certifications required by law or regulation, and to retain such license or certification.

6040.6.11 Possess good personal presentation and poise.

6040.6.12 The ability to read and interpret maps and to do other work, as assigned, as the program and operation of the District requires.

6040.6.13 Should have basic computer skills.

6040.6.14 The possession of a valid A & P mechanic's license will qualify a person hired as a Pilot II to receive salary at (2) steps above the salary for Pilot I without such license.

6040.6.15 No outside employment is allowed, if in the District Manager's judgment it will conflict with the District Program or reduce a person's ability to satisfactorily perform required duties.

6040.7 Physical Requirements

6040.7.1 Employees are responsible for maintaining their physical condition in a state that will allow them to be able to perform the duties of their position and to be in a physical condition that does not increase the danger or likelihood of injury on the job.

6040.7.2 Body Movements: Must have full mobility and use of both arms. Must have the ability for full extension above the head to lift or remove parts and equipment during normal daily activity. Must have full range of motion for activities that may include use of hands, legs and feet. Must have the ability and range of flexibility to reach over the head, reach below the knees, and to bend over or squat down.

6040.7.3 Constant: Activity or condition existing 2/3 or more of the time. Must be able to provide the physical effort required to perform the essential functions of the job which includes having mental alertness to be able to diagnose mechanical problems and the physical ability to make repairs. Have mobility of arms to reach and legs to walk and dexterity of hands and fingers to grasp and manipulate small objects. Must be able to work in weather ranging from below freezing to above 100° Fahrenheit while wearing the appropriate personal protection equipment for eye protection, hearing protection and respirator if required.

6040.7.4 Frequently: Activity or condition existing 1/3 to 2/3rds of the time. Lifting and moving parts, equipment and other objects weighing up to 50lbs. Standing for extended periods of time while performing vehicle and equipment repairs, performing other shop duties and other assigned tasks.

6040.7.5 Occasionally: Activity or condition existing up to 1/3 of the time. Climb ladders, repair minor plumbing and electrical problems, extricate bogged or broken down vehicles which can involve digging, kneeling and crawling.

6040.7.6 Vision: The position requires adequate vision (which may be corrected) to read, write, drive and safely perform the essential functions of the job under the conditions listed above.

6040.8 Incident/Accident History

6040.8.1 The pilot history should be free of any incidents or accidents within three (3) previous years. The definition of an incident or accident is found in the Code of Federal regulations Title 49 Section 830.2. This requirement may be waived subject to the review and approval of the District Manager and Chief Pilot.

6040.9 Post Offer Requirements

6040.9.1 Qualifying person must pass a post-offer physical examination for his or her ability to perform the essential functions of the job and a drug screen at District expense.

6040.10 Other Information

6040.10.1 Anyone employed as Pilot II at the time these amendments are adopted shall be considered to have met the education/experience requirements for this position.

6040.10.2 The District Manager and the Board of Trustees reserves the right to change or amend this job description at their pleasure.

Adopted September 2012