



## FOREST MANAGEMENT TECHNICIAN

8211

### GENERAL DESCRIPTION OF CLASS

The FOREST MANAGEMENT TECHNICIAN performs work related to the application of forestry practices in reforestation, timber management, engineering, surveying, recreation, fire protection, or forest practices within defined guidelines. Work is in support of the State Forest Program, Insect and Disease Program, Forest Practices or Fire Protection Program.

### DISTINGUISHING FEATURES

This is a single classification and not part of a series of classes.

The Forest Management Technician is a technical-level class. Employees follow a standardized process to complete tasks which are similar in nature. The work requires the application of forest practices and principles.

### DUTIES AND RESPONSIBILITIES

The duties listed below are not inclusive but characteristic of the type and level of work associated with this class. Individual positions may do all or some combination of the duties as well as other related duties:

#### 1. Reforestation

Under the direction of a forester, inspect the quality of proper planting, pruning, thinning or inventory techniques and trees per acre done by contract crews. Monitor contract compliance and report findings to contractor and forester. Monitor and inspect the work of inmate crews. Resolve minor contract compliance issues. Survey and monitor existing stands using established sampling methods. Record stand observations on survey forms, and submit findings to the forester. Interpret information and standards from project and area maps, aerial photographs, and project plans and apply them to forestry practices on specific project areas. Monitor and assist with slash piling and slash burning activities. Does roadside spraying, herbicide treatment, and water quality monitoring.

#### 2. Timber Management

Under the direction of a forester, clear and post boundaries for timber sales, buffer areas, or road right-of-ways. Establish preliminary locations of logging access roads. Measure height, diameter, and density of trees with timber sale areas to calculate volume and grade of timber. Mark trees to be removed in commercial thinning sales or to be left for wildlife purposes. Monitor timber sale contracts to check log accountability and merchantability, damage to reserve trees, progress of construction work, down woody debris, road maintenance progress, or other miscellaneous contract requirements. Write reports of findings and inspection reports. Resolve minor contract compliance issues. Help with inventorying, data collection, and report writing for Threatened and Endangered Species, forest cover types, or road conditions.

#### 3. Engineering/Surveying Support

Under the direction of a forester or engineer, measure and calculate rock stockpiles, fills, rock quarries, bridges and logging roads for culverts, road improvements, and new road construction projects. Inventory roads and culverts and maintain inventory maps and files. Under the direction of

a Licensed Surveyor, research records; search, locate, and maintain survey corners and monuments; measure distances, angles, and coordinates; mark and establish property lines and corners. Inspect and monitor engineering and surveying work performed by contractors to check progress and compliance with requirements. Settle minor contract compliance issues. Gather Global Positioning System (GPS) data and produce Geographic Information System (GIS) maps for specific project assignments

#### **4. Recreation**

Under the direction of a forester, inspect, maintain, repair, monitor, or submit reports related to forest recreation facilities. Collect and process recreation fees, related information, data, trends, or water quality. Inspect the quality and progress of recreation contracts for compliance with requirements. Resolve minor contract compliance issues. Help with trail and facility design and development. Research preliminary recreation plans or grant applications. Monitor local volunteers. Participate in public information or public education meetings. Help with event coordination and monitoring. Examine and help with the clean up of illegal dumpsites.

#### **5. Forest Practices**

Under the direction of a Forest Practices Forester, inspect and monitor forest operations and report to the Forester. Prepare and maintain reports related to operations. Maintain file systems related to forest practice operations.

#### **6. Insect and Disease**

Under the direction of an entomologist or pathologist, conduct statewide ground and aerial surveys to detect and evaluate pest populations, trends and damage. Assist in applied research both field and laboratory by taking measurement, recording data, entering data into computer data bases, updating files, establishing plot boundaries, maintaining equipment, and locating research plots. Prepare and maintain records and reports.

#### **7. Miscellaneous**

Drive crew vehicles to and from work sites. Maintain equipment and vehicles. Direct the work of contract laborers in accomplishing assigned duties. Supply the public with information about the agency, fire laws, forest practices laws, and recreation policies. Conduct industrial fire inspections. Develop, operate, and maintain fire-related equipment and vehicles. Train personnel in basic fire suppression methods, operations and use of equipment and hand tools. Fight forest fires as move-up forces in support of large fires or multiple fire actions. Some positions may require working under the direction of a forester to administer fire laws

### **RELATIONSHIPS WITH OTHERS**

Employees in this class work with others in their immediate work unit, agency staff and the public. During certain periods, frequent contact is made with contractors to exchange information regarding compliance with contract standards and to monitor the progress of the contracted work.

### **SUPERVISION RECEIVED**

Employees in this class receive close supervision from a lead forester or unit supervisor who assigns projects and reviews project specifications and schedules for completion. Project plans are reviewed for adequacy and conformation to project plan standards.

**GENERAL INFORMATION**

Positions are located in central and remote locations throughout the State. Positions require working outdoors in all types of weather. Work also includes prolonged, strenuous labor; working at heights, working with chemicals, herbicides, working around forest fires, and working around loud noises from machinery or equipment.

**KNOWLEDGE AND SKILLS (KS)****Basic knowledge of:**

Spoken and written English sufficient to communicate and understand instructions.
Arithmetic.
Map reading and interpretation.
Procedures regarding working with forest chemicals, herbicides, machinery and equipment.
Forestry practices, techniques and methods.
Forest fire practices.
General geographic information systems.
General global positioning systems.
Basic forestry tools and instruments.

**Skill to:**

Interpret aerial photographs.
Follow verbal and written instructions.
Keep accurate and detailed records and reports.
Effectively communicate verbally and in writing with others.
Recognize and correctly identify different tree species.
Operate basic computer programs such as work processing, electronic mail, spreadsheet, or data base programs.
Operate electronic data recorders.
Perform basic building and vehicle repairs such as roof leaks, replacing broken electrical receptacle covers, changing light bulbs, repairing broken boards, changing oil and filters, replacing and repairing broken vehicle lights and lenses, and installing after-market vehicle accessories.

**NOTE:** The KNOWLEDGE and SKILLS are required for initial consideration. Some duties performed by positions in this class may require different KS's. No attempt is made to describe every KS required for **all** positions in this class. Additional KS requirements will be explained on the recruiting announcement.

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