



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

SAFETY OF DAMS AND GEOTECHNICAL TEAM MANAGER

Group-Section: Engineering Services Group - Engineering Services Section	FLSA Status: Exempt Bargaining Unit: MAPA	Salary Grade: 066 Job #: TM047
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JOB SUMMARY

Responsible for ensuring safety and reliability of District's dams and reservoirs by conducting continuous surveillance and regular inspections, coordinating regulatory inspections, preparing for emergency response with periodic exercises, and developing long-term plans to proactively identify potential issues and implement mitigation measures. Additionally, responsible for all geotechnical engineering evaluations, designs, analysis, and field work to support O&M and CIP activities. The position is accountable for the technical soundness of the District's dam safety measures and the work related to geotechnical engineering solutions.

OVERSIGHT

Receives direction from the Unit Manager. Manages and supervises a staff of professionals, technicians, paraprofessionals, and administrative support.

JOB DUTIES

Common job duties for team managers:

1. Supervises staff including selection, assignment and monitoring of work coaching, mentoring, counseling, and performance assessment; determines priorities and aligns workload; reviews work for thoroughness, adherence to applicable standards, constructability, and accuracy; assesses employees' competencies and develops training plans; trains subordinates in applicable techniques and methodologies; ensures staff compliance with applicable health and safety standards and requirements.
2. Provides general administration of the organization including establishing and tracking organizational goals and objectives; analyzes organizational activities and prepares reports; develops and monitors the budget; evaluates resource needs and prepares staffing and consulting requests; provides input re: policy and procedures; reviews and approves time, reimbursement requests and purchases.
3. Leads staff in development of organizational vision, strategies, goals and objectives for customer support and service; plans, develops and approves schedules, priorities, and standards for achieving organizational goals; reviews and reports on status of all organizational activities.
4. Meets with key customers to work on projects and initiatives and supports applicable customer satisfaction feedback mechanisms.
5. Performs other related duties as required.

Duties specific to this position:

1. Coordinates technical and safety training; coaches and trains team members on dam surveillance data analysis and reporting; coaches and evaluates team members on dam inspections.

2. Prepares documents for insurance underwriters; provides technical expertise to public and other District organization units regarding dam functioning and properties; and schedules dam surveillance maintenance and repair with Water System Operations.
3. Directs team staff to accompany State Division of Safety of Dams inspector during the inspection of all observable dam surfaces and appurtenant structures; tests operation of dam outlet works and emergency dewatering blow-off valves; and reviews dam surveillance data with DSOD inspector and determines if the dam can safely accommodate the measured changes.
4. Manages the formal documentation of applications and certificates that authorize the operation, construction and repair of District dams and reservoirs
5. Plans and coordinates regular inspections of District dams to proactively identify potential issues; directs team staff to conduct field inspections and prepare reports documenting findings and recommendations; manages inspection reports and tracks implementation of recommended measures.
6. Develops plans to enhance safety and reliability of District dams and reservoirs.
7. Directs team staff to perform geotechnical engineering design and analysis of slopes, foundations, and underground structures to support O&M and CIP activities, provide field supports during construction, and coordinate geotechnical exploration and lab testing.
8. Directs the team's response during emergencies including earthquakes with respect to District dams and reservoirs; develops response plans and supervises team's exercises for damage assessment of different emergencies including earthquakes.
9. Oversees the technical work of the team and develops training plans to enhance technical capabilities.
10. Manages professional services and consultants; prepares scope of work in requests for proposal; evaluates and selects consultants for professional services; prepares and negotiates agreement with consultants; administers and tracks consultant performance; audits work for compliance and approves contracted work.
11. Performs other related duties as required.

EMPLOYMENT STANDARDS

MINIMUM QUALIFICATIONS

Education and Experience: A bachelor's degree from an accredited college or university with a major in Engineering or related field, and eight years of increasingly responsible relevant experience, of which two years must have been in a project management, supervisory or lead capacity; or a Master's degree from an accredited college or university with a major in

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Engineering or related field, and six years of increasingly responsible relevant experience, of which two years must have been in a project management, supervisory, or lead capacity.

Required Knowledge of (common for team managers): Management/supervisory methods and techniques; principles of organizational and strategic planning; team building; personnel and general disciplinary policies and practices; relevant federal, state and local laws; principles of budgeting, cost monitoring, and accounting; project management including planning, scheduling, and costing; report writing; performance measurement tools and metrics; policies and procedures related to procurement, contract administration, and other business activities; District organizations; and District facilities and operations.

Required Knowledge of (specific to this position): Dam engineering principles and practices; dam safety regulations; dam instrumentation practices; geological principles related to dams; dam design, performance, and failure modes; and hydrograph formation and flood routing techniques.

Required Skills and Abilities to (common for team managers): Lead a diverse work force; resolve organizational and resource problems; perform financial analysis; plan, organize, and evaluate the work of subordinates and/or project team members; mentor, develop and motivate staff; determine training needs of staff; review work products for detail and adherence to guidelines; encourage and facilitate cooperation; establish and maintain collaborative working relationships with all levels within the organization, other agencies, regulatory agencies, special interest groups and the public; use business and project management applications and methodologies; communicate orally and in writing on administrative and technical topics; negotiate and build consensus; exercise judgment and discretion; devise long-term planning strategies; prepare reports and presentations for all levels of management; interpret and analyze results; interpret policies, rules, and regulations relative to the Section/Group; and represent the District on various business transactions as needed.

Required Skills and Abilities to (specific to this position): Analyze dam safety data and perform/understand static slope stability analyses.

CERTIFICATES, LICENSES AND REGISTRATIONS REQUIREMENTS

Certificates

- None

Licenses

- License in good standing from the California Board of Professional Engineers and Land Surveyors
- California Class C Driver's License

Registrations

- None

PHYSICAL DEMANDS/WORK ENVIRONMENT

The physical demands and work environment characteristics described here are representative

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of those that must be met or may be encountered by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Physical Demands: The work is sedentary. Typically, the employee may sit comfortably to do the work. However, there may be some walking; standing; bending; carrying of light items such as paper, books, or small parts; driving an automobile, etc. No special physical demands are required to perform the work.

Work Environment: The work environment involves everyday risks or discomforts that require normal safety precautions typical of such places as offices, meeting and training rooms, libraries, and residences or commercial vehicles, e.g., use of safe work practices with office equipment, avoidance of trips and falls, observance of fire regulations and traffic signals, etc. The work area is adequately lighted, heated, and ventilated. May travel to various sites requiring overnight stay.

Vision Requirements: No special vision requirements