

JOB DESCRIPTION AND POSITION CLASSIFICATION

CLASSIFICATION Hydroelectric Plant Technician III (SDS)		DWR POSITION NUMBER 2420-3730-X8X	SAP POSITION NUMBER 50002075	MCR 1
APPOINTEE Vacant		SAP PERSONNEL NO. TBD	DIVISION/SECTION O&M/ San Luis Field Division/ Engineering Branch	
COLLECTIVE BARGAINING IDENTIFIER Management Related BU: ☐ Supervisory Related BU: ☐ Confidential Related BU: ☒ Rank and File BU: R12				
RESPONSIBILITIES EXERCISED ☐ Supervisory ☒ Lead Person		IMMEDIATE SUPERVISOR (Print) Jeremy LePage	SUPERVISOR'S CLASSIFICATION HEP Technician Supervisor	
APPROVED BY (Personnel Analyst's Name) Tammy Geer			DATE 8/26/2026	
<i>Percent of Time</i>	<i>Activity</i>			
35%	POSITION SUMMARY Under the general direction of the Hydroelectric Plant (HEP) Technician Supervisor, the incumbent safely performs the complex technical work and functions as the HEP Technician I and II technical lead. Plans, coordinates, schedules, prioritizes, distributes, and oversees the work of HEP Technician I's and II's. Provides guidance and direction to lower level staff. Ensures safety procedure compliance for all work performed on control, communication, electrical and mechanical equipment in connection with the operation and maintenance of the State Water Project 's(SWP) generating/pumping plants, switchyards, water conveyance, and facilities. ESSENTIAL FUNCTIONS This position requires that the incumbent work cooperatively with others, maintain regular, consistent, predictable attendance and exercise good judgment. Must be able to use electronic devices such as a mobile tablet to gather data and capture documentation while performing preventative maintenance work on equipment throughout the state water project. Use mobile tablet to perform routine SAP functions such as time recording, reservations, and work order notifications. The specific essential duties for items in the equipment summaries include, but are not limited to, the following: Plans, coordinates, schedules, prioritizes, and oversees daily work of assigned HEP Technicians I and II on control, communication, electrical, and mechanical equipment. Provides technical direction and distributes specific tasks to assigned HEP Technicians I and II, and performs the more complex work associated with installation and testing of new equipment and systems, as well as troubleshooting, repairing, and restoring systems to service; this includes performing the service interruption investigations after equipment failures. Performs the most complex maintenance, calibration, and updates on equipment and devices to ensure system operate within parameters and functional criteria. Assist in assessing equipment malfunctions in order to determine corrective actions that need to be taken. Reviews and analyzes testing results, makes recommendations and takes actions based on those results.			
SUPERVISOR'S STATEMENT: I HAVE DISCUSSED THE DUTIES OF THE POSITION WITH THE EMPLOYEE.				
SUPERVISOR'S NAME (Print) Jeremy LePage		SUPERVISOR'S SIGNATURE ➤		DATE
EMPLOYEE'S STATEMENT: I HAVE DISCUSSED WITH MY SUPERVISOR THE DUTIES OF THE POSITION AND HAVE RECEIVED A COPY OF THE DUTY STATEMENT.				
EMPLOYEE'S NAME (Print) Vacant		EMPLOYEE'S SIGNATURE ➤		DATE

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20%	Develops and updates testing procedures, equipment test reports, calibration reports, trip test reports, and load test reports to ensure they are performed and documented and are in accordance with O&M policy or procedures. Reviews preventative maintenance records, recommends and implements changes to maintenance practices to increase safety and system availability.			
15%	Provide informal training, as needed, to HEP Technicians on proper procedures and methods for testing, troubleshooting, repairing, and provisioning equipment and systems. Responsible for updating the HEP Technician Supervisor on the status and completion of assigned on-the-job hours towards the individual training plans created for each HEP Technician I and II for the development of technically trained and competent HEP Technicians.			
10%	Conducts inspections and evaluates work performed by HEP Technicians to ensure high quality workmanship. Conducts weekly safety meetings, participates in field division safety audits, participate in developing pre-work safety plans and job hazard assessments (JHA), and arranges for safe clearances as required. Works with supervisor to ensure that the technicians comply with SWP safety policies and procedures. Provides support to the Planner/Scheduler functions.			
10%	Coordinates work efforts with Operations and appropriate crafts for responding to trouble calls, work requests, installations, modifications and associated system testing.			
5%	Reviews new equipment and system design criteria and specifications as required for alignment with unique field division requirements. Makes diagrams and sketches and prepares cost estimates to support installations, including test equipment and materials. Inspect new installations and validates correct installation.			
5%	Perform tasks in SAP such as program reports, requisitioning, work order notifications and other SAP functions. Acts for the HEP Technician Supervisor during their absence.			
	EQUIPMENT SUMMARY - Essential function work performed on below equipment includes but is not limited to: 1) Supervisory control and data acquisition (SCADA) equipment including host servers, work stations, programmable logic controllers, sequence of event loggers, front end processors, communication interfaces and gateways, and application software. 2) Communication equipment including various types of high speed data multiplexors, Ethernet based components, fiber optic cable, copper cable, transceivers, protocol converters, T1 interfaces, various Local area network (LAN) and Wide area network (WAN) equipment including wireless access points, leased telco services, voice, data and video networks. 3) SWP Information technology (IT) related equipment including personal computers, work-stations, servers, video surveillance systems, security and alarm systems, video-conference systems, and voice systems with digital and analog telephones.			

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	4) SWP plant and water conveyance instrumentation, devices and systems used for protection, monitoring, data collection and control - including relays, programmable logic controllers, signal conditioners, power line carriers, sensors and transducers for thermal, flow, level, vibration, down thrust, and pressure. 5) SWP Generating and pumping plant equipment including power transformers, power circuit breakers, high voltage instrument transformers, governors, excitation/voltage regulators, predictive monitoring systems, annunciators, hydraulic/pneumatic systems, safety systems. SPECIAL REQUIREMENTS All employees are responsible for contributing to an inclusive, safe, and secure work environment that values diverse cultures, perspectives, and experiences, and is free from discrimination. This position requires the incumbent to have: 1) the strength and ability to move and transport heavy equipment or material up to 50 lbs; 2) the stamina and ability to bend, stoop, kneel, and stretch to access, test or install cables, equipment or materials; 3) the stamina and ability to climb 25 foot ladders, long flights of stairs, scaffolding, and towers, to access, test or install cables, equipment or materials; 4) the ability to identify color-coded parts, indicator lights, CRT display data, hazard warning tags, and warning barrier tapes; 5) the ability to work in confined spaces; and 6) the manual dexterity to use hand tools, operate control panels, equipment keypads and for delicate component or printed circuit board repair. This position requires working around loud machinery. This position requires the incumbent to: 1) work alone and as part of a team; 2) willing to work extended hours and on weekends as needed to support restoration of operations; 3) follow safety precautions inherent in the job. Required to attend the Division's OP-2 class and be certified as a worker and/or switch person, in compliance with State Water Project regulations. This is a sensitive position and is subject to substance abuse testing set forth in California Department of Human Resources (CalHR) Regulations 599.960-599.966. Must possess a valid California Driver's License to travel from plant to plant and within the State Water Project, including driving a vehicle on public roadways will be required. Employee is required to successfully complete all safety training related to the functions of the job.			

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		Under the provision of the North American Electric Reliability Corporation Critical Infrastructure Protection Standard CIP-004 as part of the Energy Policy of 2005, this position has authorized cyber access to or unescorted physical access around critical cyber assets and is subject to a satisfactory background check prior to appointment and every seven years thereafter. This position is not eligible for telework. OTHER RESPONSIBILITIES: This position provides necessary support to the Divisions of Flood Management, Safety of Dams, Operations and Maintenance, Engineering, and/or the Public Affairs Office during Governor declared emergencies, flood, dam, State Water Project, and other incidents and emergencies. Additionally, this position may participate in emergency operations in the capacity of area teams, field inspection, coordination, and assist agencies such as California Office of Emergency Services and Federal Emergency Management Agency in disaster work, including performing fieldwork to complete damage survey reports for droughts, flooding, earthquakes, and other emergencies. This position may also serve in one of the sections as established in the Incident Command System to assist the Department in performing its emergency preparedness, response, recovery, and mitigation functions. These functions are established in the California State Emergency Plan and the Department's Administrative Orders.					