

Summary of Duties: Performs skilled mining work including drilling, core drilling, loading, blasting holes, grouting and cement work in tunnels, and timbering and supporting shafts, tunnels, and other excavations; and performs related work.

Distinguishing Features: A Miner is a journey-level worker skilled in the use of equipment and techniques relating to driving and supporting tunnels, shafts, and other underground excavations and in performing a variety of drilling and blasting operations in surface excavations. A Miner may act as lead worker for Maintenance and Construction Helpers who serve as chuck tenders or helpers. Work is normally supervised by a Construction and Maintenance Supervisor and reviewed for adherence to standard safety practices and journey-level standards.

Examples of Duties: Drills holes in hard ground and rock formations; places explosives; wires and may explode charges; trims walls and scales down loose rock after blasting; places shoring, timbering, spilling, and crown bars to support the walls and back; checks timbering and rewedges where necessary; assists in setting forms and placing concrete in tunnels; does core drilling and takes earth and rock samples; installs pipe for grouting and operates grouting equipment;

Operates pneumatic, gas, electric, and hydraulic tools and equipment such as jackhammers, drifters, sinkers, stoppers, tunnel locomotives, rock drills, concrete breakers, tampers, and mucking machines; supervises loading of materials or personnel on a skip and signals a hoist operator when skip is to be raised or lowered; uses boatswain's chair and safety belt in drilling and loading holes in and scaling canyon walls; and may occasionally be assigned to other duties for training purposes or to meet technological changes or emergencies.

Qualifications: a good knowledge of methods, practices, tools, and equipment used in drilling, blasting, timbering, lining, and ventilating shafts and tunnels, and in excavating open cuts, trenches, and pier footings; a good knowledge of uses and characteristics of explosives, primers, electric caps, fuses, charges, and delays required to produce safe and effective blasts in wet and dry areas in underground and surface excavations; a working knowledge of hazards and safety precautions applicable to underground work, including timbering and other methods of supporting the ground; a working knowledge of commonly used minesignals; a working knowledge of Mine Safety Orders, Tunnel Safety Orders, and Trench Safety Orders of the California Division of Industrial Safety; a working knowledge of First-Aid methods and practices; a general knowledge of rock and soil characteristics and formations as related to blasting, tunneling, and shoring operations; a general knowledge of core drilling in taking earth and rock samples;

Ability to read, interpret, and work from blueprints and make rough sketches;

One year of full-time paid journey-level experience in drilling, blasting, timbering, and mucking operations in shafts or tunnels or two years of full-time paid experience assisting a Miner is required for Miner.

License: A valid California driver's license and a good driving record is required.

Physical Requirements: Strength to perform average lifting over 70 pounds; back and leg coordination involved in activities such as stooping, kneeling, crouching, and crawling; arm, hand, and finger dexterity with both hands involved in activities such as reaching, handling, and feeling; good hearing ability; and good eyesight.

Persons with medical limitations may, with reasonable accommodations, be capable of performing the duties of some of the positions in this class. Such determination must be made on an individual basis in light of the person's limitations, the requirements of the position, and the appointing authority's ability to effect reasonable accommodations to the person's limitations.

As provided in Civil Service Commission Rule 2.5 and Section 4.55 of the Administrative Code, this specification is descriptive, explanatory and not restrictive. It is not intended to declare what the duties and responsibilities of any position shall be.