

CLASSIFICATION SPECIFICATION

FLSA:	NEXP	Job Code:	ACV77721
Job Class Code:	600	Salary Schedule:	ASRRGEOL
EEO Category:	02	Grade:	17
Workers Comp Code:	9410		

Job Code Established:	10/01/98	Effective Date:	
Job Code Revised:		Effective Date:	

JOB CODE SERIES: Miscellaneous Science

JOB CODE TITLE: GEOLOGIST I

CHARACTERISTICS OF THE CLASS: Under general supervision, is responsible for work of average difficulty in field investigation, data collection from a variety of sources, and reporting of geological structure for geological mapping, location of construction of material, foundation studies, oil, gas and geothermal exploration and development, mineral and mineral material exploration and valuation and/or surface and ground water availability, criticality and priority of use; and performs related work as required.

EXAMPLES OF DUTIES: Conducts field investigations for location of construction materials and foundation studies; may operate drilling equipment in foundation studies; instructs drilling crews in the proper location of test holes; inspects drilling equipment and drilling procedures for safety devices, safe practices and good production practices to prevent contamination of meteorological, surface and subsurface resources or injury to persons or livestock; inspects for proper plugging procedures; observes drill stem tests and logs; observes and tests cores for geological evaluation, shear strength and consolidation; does geological mapping; draws geological provinces, profiles and horizons for presentation, exploration, slope and foundation stability analysis; evaluates data on surface and ground water availability to determine criticality and the impact of new applications on present and future supply; recommends priority in cases of conflicting water rights; determines mineral potential and value; monitors leases and royalty payments; compiles, extrapolates and interprets data; produces records, reports, maps and publications; answers questions and furnishes information to the public on various aspects of geology.

KNOWLEDGE, ABILITIES AND SKILLS:

Knowledge of: the principles and practices of geology as applied to aerial, satellite, rada, surface and subsurface exploration for construction materials, foundations, gas, oil, geothermal energy, mineral and mineral material, surface and ground water; good knowledge of the methods and equipment used in geological explorations, data reduction and data presentation; good knowledge of safety and anticontamination practices in geological explorations especially in drilling for gas, oil and geothermal energy.

Skill/Ability to: learn to perform geologic and engineering geologic duties of average difficulty.

SPECIAL SELECTION FACTORS: Bachelor's degree from an accredited college or university with a major in geology or closely related field.