

CLASSIFICATION SPECIFICATION

FLSA:	EXP	Job Code:	ACV75573
Job Class Code:	270	Salary Schedule:	ASRRUTIL
EEO Category:	02	Grade:	24
Workers Comp Code:	8601		

Job Code Established:	12/20/99	Effective Date:	
Job Code Revised:		Effective Date:	

JOB CODE SERIES: Utilities Engineer Series

JOB CODE TITLE: UTILITIES ENGINEER

HRIS TITLE: UTILS ENGR

WORK DESCRIPTION: Acts as one of a small number of technical staff experts engaged in professional engineering consultative work requiring possession of special knowledge and application of advanced engineering practices and procedures, advising Commissioners, management, staff, and utilities on the most difficult, complex and technically demanding engineering assignments, and representing Utilities Division (and sometimes the Commission) before other State and Federal agencies, consultants, contractors, the public, and the courts as an expert witness. The above work is done in one of the following areas: water, wastewater, telecommunications, electrical, and gas.

WORK ACTIVITIES: reviews work products from consultants or other personnel providing technical direction and guidance.

Examines and verifies complex numeric data, construction plans and specifications.

Confers with construction and other construction related personnel and designers regarding construction, specifications, plans and standards.

Confers with representatives of other agencies, communities, consultants, contractors and the public as the representative of the utilities division (and sometimes the commission).

Writes detailed technical reports, agreements, research, investigation or inquiry in prescribed format.

Reviews, analyzes and evaluates results of technically difficult tests relating to design, construction and operation of utility systems.

Attends utility system related meetings; gives and receives information; participates in problem-solving and decision-making.

Attends professional work seminars, meetings and conferences as a participant and representative of the utilities division (and sometimes the commission).

Searches plans, map records, and technical journals for information regarding current professional practices and procedures.

Testifies in formal hearings and in court as an expert witness.

Participates in legislative rule development.

Analyzes, evaluates and reviews work procedures, methods and rules to make and develop work related practices.

Gives and receives information requiring considerable judgment and knowledge regarding current and specific business practices.

Confers with supervisors to discuss work processes, incidents, problems and plans.

Reads and interprets federal, state and local codes and regulations in order to prepare or utilize reports used in work activity.

Performs related work as required.

WORK CONDITIONS: Depending on work location and assignment may be required to work full-time outside, thus exposed to cold and heat; considerable travel away from home base may be required.

SUPERVISION: Works under the direction of the Utilities Engineer Supervisor (and/or Utilities Chief Engineer). Exercises considerable and significant independent judgment. Requires minimal supervision.

WORK RESULTS/PRODUCTS: Produces a variety of engineering solutions and/or studies; completed complex project site inspections; completed construction site inspections; completed evaluations of construction costs and depreciation of complex facilities; properly maintained utility systems, engineering materials, reports and documents.

RESPONSIBILITY: Schedules work activities; develops detailed technical solutions, studies, documents, and reports; timely and accurate completion of assigned projects.

AUTHORITY: Approves or disapproves work related to specific area of assignment; prioritizes assigned tasks as required for area of assignment; makes recommendations for cease and desist orders and orders to show cause; determines facilities compliance with rules, regulations, policies and procedures; establishes compliance schedules.

KNOWLEDGE, SKILLS AND ABILITIES

Knowledge of: Principles and practices of several engineering disciplines (civil, electrical, petroleum, industrial, environmental, telecommunications, mechanical, and chemical) as applied to the design, development, construction and maintenance of utility systems; Federal and State statutes, agency standards, regulations, policies and procedures pertaining to area of assignment; Safety practices and public relations practice; Methods, procedures and techniques utilized in management of assigned resources; Computer applications that pertain to area of assignment; Accounting and engineers economics principles as related to utilities rate making; Research techniques related to highly complex assignments.

Skill/Ability to: Work management and leadership; Interpreting and analyzing a wide range of highly technical engineering data; Oral and written communications; Writing technical reports pertaining to assignment; Interpersonal relations, as applied to contacts with subordinate personnel, other governmental agencies, contractors, consultants, and the public; Developing and implementing appropriate standards, procedures and priorities related to area of assignment.

SPECIAL SELECTION FACTORS: Bachelors Degree in Engineering (civil, electrical, petroleum, industrial, environmental, telecommunications, mechanical, chemical, or other equivalent) from an accredited university appropriate for the area of assignment and eight years of progressively more difficult experience in the area of assignment. Registration as a Professional Engineer in the State of Arizona (or proof of reciprocity) may substitute for the engineering degree and three years of experience. Masters Degree in Engineering may substitute for three years of experience.