

STATE OF ARIZONA JOB CODE SPECIFICATION

FLSA:	NEXP	Job Code:	ACV97302
Job Class Code:	570	Salary Schedule:	ASRRINTCH
EEO Category:	03	Grade:	16
Workers Comp Code:	9410		

Job Code Established:	06/12/79	Effective Date:	
Job Code Revised:	10/01/97	Effective Date:	

JOB CODE SERIES: Civil Engineering and Related Technician Series

JOB CODE TITLE: ENVIRONMENTAL INSTRUMENTATION TECHNICIAN II

HRIS TITLE: ENVMTL INSTRUMENTATION TECH II

CHARACTERISTICS OF THE CLASS: Under general supervision, is responsible for performing technical work of average difficulty in the installation, calibration, operation and repair of a variety of analytical and recording instruments and equipment used in the detection and measurement of environment pollutants; participates in the design and modification of instruments and/or may serve in a lead capacity; and performs related work as required.

This is the full journey level class in the series. Incumbents perform the full range of duties with considerable independence. It is distinguished from the Environmental Specialist I which performs environmental pollution studies and analyzes data.

EXAMPLES OF DUTIES: In Air Quality Programs: Installs, operates, repairs and maintains sampling, testing and indicating instruments and equipment including mechanical, chemical, electric and electronic systems; calibrates and standardizes instruments and complete systems in accordance with quality control procedures; troubleshoots a variety of highly sophisticated electric or electronic, gas and liquid flow, chemical reaction and electronic readout system; compiles data and completes statistical evaluations and technical conversion of air quality data; develops new or improved sampling techniques; assists in the modification and design of equipment; performs inspections and investigations to ensure adherence to operating standards; may operate and maintain central monitoring station; maintains records and prepares reports.

In Vehicular Emissions Programs: Uses, maintains and repairs electronic testing and measuring instruments such as non-dispersive, infrared instruments for vehicle emissions analysis; operates vehicle chassis dynamometer in accordance with established analytical procedures; compiles and analyzes test data and computes results in the manner prescribed by state and federal government regulations; diagnoses vehicle power plant operation and makes necessary adjustments or corrections; fabricates test setups from engineering prints; may assist in training other technicians.

KNOWLEDGE, SKILLS AND ABILITIES:

Knowledge of: the principles, methods and techniques of operating, maintaining, constructing and adjusting mechanical, chemical, electric and electronic instrumentation and test equipment; the causes and effects of environmental pollution.

Skill in: testing, diagnosing, repairing and calibrating scientific instruments and equipment.

Ability to: follow test specifications and apply regulatory standards; read plans, blueprints and electrical wiring diagrams; develop new and improved sampling techniques; assist engineers in designing new equipment; write clear and concise technical reports.