

ENVIRONMENTAL SCIENCE & SPECIALTY

SUMMARY	Conduct research or perform investigation for the purpose of identifying, abating, or eliminating sources of pollutants or hazards that affect either the environment or the health of the population. Using knowledge of various scientific disciplines, may collect, synthesize, study, report, and recommend action based on data derived from measurement or observations of air, soil, water, and other sources.
PRIMARY DUTIES & RESPONSIBILITIES	<p>Provide technical assistance to industrial and municipal facilities, responsible parties and individuals to ensure compliance with environmental laws and regulations. Investigate environmental problem areas, conduct environmental inspections, respond to environmental complaints, and recommend or issue reports as needed. Review environmental applications, reports and plans, draft and coordinate timely issuance of environmental permits, licenses, approvals or certifications which include site specific requirements.</p> <p>Analyze environmental data to determine validity, quality, and scientific significance and to interpret correlations between data, human activities and environmental effects with peer or management review. Calculate and determine environmental risk potential for environmental projects.</p> <p>Provide scientific or technical information, guidance, support, coordination, or oversight to other governmental agencies, environmental programs, industry, contractors and consultants, or the public regarding environmental topics. Develop and prepare environmental technical reports, plans, legislation, rules, policy, standard operating procedures, guidance and other forms of communication for the public and regulated community for management review.</p>
KSA's	Agency policies and processes, and State and Federal environmental regulations. Environmental sciences and its applications. Arizona's sources of pollution, of the techniques and practices for preventing and remediating the release of pollutants, and of Arizona's natural features as they pertain to environmental regulation. Environmental research and investigative techniques and statistical analysis.

JOB TITLE	ENVIRONMENTAL SCIENCE AND SPECIALTY 1	ENVIRONMENTAL SCIENCE AND SPECIALTY 2	ENVIRONMENTAL SCIENCE AND SPECIALTY 3	ASSOCIATE ENVIRONMENTAL SCIENCE AND SPECIALTY	SENIOR ENVIRONMENTAL SCIENCE AND SPECIALTY	PRINCIPAL ENVIRONMENTAL SCIENCE AND SPECIALTY
JOB CODE	S10108	S10107	S10106	S10105	S10104	S10103
GRADE	20	21	22	24	26	27
FLSA STATUS	NON EXEMPT	NON EXEMPT	EXEMPT	EXEMPT	EXEMPT	EXEMPT
DETAILED DUTIES AND RESPONSIBILITIES	Review basic/simple environmental applications, reports and plans, draft and coordinate timely issuance of environmental permits, licenses, approvals or certifications using framework documents. Provide technical assistance to industrial and municipal facilities, responsible parties and individuals to ensure compliance with environmental laws and regulations; investigation of environmental problem areas; conduct environmental inspections; respond to environmental complaints. Review simple environmental applications, reports and plans, draft and coordinate timely issuance of environmental permits, licenses, approvals or certifications using framework documents. Provide basic scientific or technical information, guidance, support, coordination, or oversight to other	Review environmental applications, reports, rules, and plans, draft and coordinate timely issuance of environmental regulations, permits, licenses, approvals or certifications which include site specific requirements. Investigate environmental problem areas, conduct environmental inspections, respond to environmental complaints, and recommend or issue reports as needed. Provide moderate, scientific or technical information, guidance, support, coordination, or oversight to other governmental agencies, environmental programs, industry, contractors and consultants, or the public regarding environmental topics. Coordinates public events such as public hearings, training events, and meetings regarding environmental topics	Review environmental applications, reports, rules, and plans, draft and coordinate timely issuance of environmental regulations, permits, licenses, approvals or certifications which include site specific requirements and variances for applicable environmental standards. Take prominent technical role in working with industrial and municipal facilities, responsible parties and individuals to ensure compliance with environmental laws and regulations. Investigate complex environmental problem areas, conduct complex environmental inspections, respond to environmental complaints, and recommend or issue reports as needed. Analyze environmental data to determine validity, quality, and scientific significance and to interpret correlations between data, human activities and environmental effects	Review complex or high profile environmental regulations, applications, reports and plans, draft and coordinate timely issuance of environmental regulations, permits, licenses, approvals or certifications which include site specific requirement and variances for applicable environmental standards to address unique or complex facility conditions. Coordinate the analysis of environmental data to determine validity, quality, and scientific significance; interpret correlations between data, human activities and environmental effects with minimal review. Provide extensive scientific or technical information, guidance, support, coordination, or oversight to other governmental agencies, environmental programs, industry, contractors or the public regarding environmental topics. Lead public events such as permit hearings,	Coordinate review and advice to management and staff on complex or high profile environmental applications, reports, regulations and plans, draft and coordinate timely issuance of environmental regulations, permits, licenses, approvals or certifications. Lead the analysis of environmental data to determine validity, quality, and scientific significance and to interpret correlations between data, human activities and environmental effects. Independently correspond professionally and expeditiously with applicants, stakeholders, and the public on environmental issues. Communicate complex environmental monitoring results to diverse audiences including the public or the scientific community. Lead public events such as permit hearings, rulemaking stakeholder	Guide and direct the technical work on complex or high profile environmental applications, reports, regulations and plans, make technical decisions regarding the level of environmental control required in environmental permits, licenses, approvals or certifications. Guide and direct the development and implementation of new methods to determine environmental risk potential for environmental projects. Act as the Division liaison on regulatory matters environmental permitting and inspection activities in Arizona including, networking with other Federal, state, and local agencies and providing information and assistance; Providing expert technical environmental assistance to the regulated community, public, and Department staff. Represent ADEQ at public events such as

	governmental agencies, environmental programs, industry, contractors and consultants, or the public regarding environmental topics		with peer or management review. Correspond professionally and expeditiously with applicants, stakeholders, and the public on environmental issues with peer review.	rulemaking stakeholder events, training events, and meetings and lead publication of public notices, hearings, and response to comments regarding environmental topics. Develop, prepare, and finalize environmental technical reports, plans, regulations, policy, standard operating procedures, guidance and other forms of communication for the public and regulated community.	events, training events, and meetings and publication of public notices, hearings, and response to comments regarding environmental topics. Coordinate development of, and recommend technical decisions on environmental technical reports, plans, regulations, policy, standard operating procedures, guidance and other forms of communication for the public and regulated community. Recommend hiring external contractor to perform environmental work, based on need assessment, including scope and budget. Upon request serve as expert witness for the Agency at hearings, trials, and public meetings on technical topics related to the environment.	permit hearings, rulemaking stakeholder training events, and stakeholder meetings, and response to comments regarding environmental topics. Recognized as a subject matter expert inside and outside of ADEQ. Guide and direct the technical work of lower level personnel. Coordinate with supervisor regarding workloads and priorities. Upon request serve as expert witness for the Agency at hearings, trials, and public meetings on technical topics related to the environment. Lead the evaluation and deployment of innovative and leading edge technical tools and methods for area of expertise within ADEQ. Lead cross-divisional professional practice groups within ADEQ
MANAGEMENT OF RESOURCES	N/A	N/A	May train junior resources	May identify required resources; trains, schedules and monitors resources.	Identifies required resources; trains, schedules and monitors resources; may participate in hiring.	Identifies opportunities for use of solutions to improve efficiency and reduce waste. Leads initiatives to develop solutions and processes to meet needs; Identifies unique innovative approaches. Uses logic and reasoning to identify the strengths and weaknesses of alternative solutions,

						conclusions or approaches to problems
SUPERVISION RECEIVED	High degree of supervision. Regularly provided specific instructions to complete tasks	Moderate degree of supervision. Regularly provided specific instructions to complete tasks	Works with minimal supervision and guidance.	Works with little or no supervision	Works independently	Works independently
BUDGETARY RESPONSIBILITY	N/A	N/A	N/A	N/A	N/A	N/A
DECISION MAKING AUTHORITY	N/A	N/A	N/A	Improve administration of environmental programs and make recommendations to resolve recurring technical problems and situations covered by established precedents and procedures.	Develop and recommend new approaches and methods for environmental programs; resolving technical problems that are critical to accomplishment of agency objectives.	Approve hiring of external contractor to perform environmental work, based on need assessment, including scope and budget, Guide and direct oversight activities and review of contractor developed reports, Guide and direct the technical work of lower level personnel. Coordinate with supervisor regarding workloads and priorities
EDUCATION & EXPERIENCE	Bachelor's degree or higher in related field.	Bachelor's degree or higher in related field 2 years of experience	Bachelor's degree or higher in related field. 5 years of experience Master's degree in a related field may substitute for two years of experience Doctorate in a related field may substitute for four years of experience	Bachelor's degree or higher in related field. 8 years of experience Master's degree in a related field may substitute for two years of experience Doctorate in a related field may substitute for four years of experience	Bachelor's degree or higher in related field Master's or Doctorate degree in a related field preferred 12 years of experience Master's degree in a related field may substitute for two years of experience Doctorate in a related field may substitute for four years of experience	Master's degree or higher in related field Doctorate degree in a related field preferred 15 years of experience Doctorate in a related field may substitute for four years of experience

LICENSURE / CERTIFICATION	N/A	N/A	<p>Qualified Environmental Professional through the Institute of Professional Environmental Practice (ipep.org) or an equivalent organization in a reciprocal jurisdiction preferred if available. If not available, professional certification through an accredited institution is preferred. Environmental Professional In-Training certification required through the Institute of Professional Environmental Practice (ipep.org) or an equivalent organization in a reciprocal jurisdiction is required.</p>	<p>Associate Qualified Environmental Professional through the Institute of Professional Environmental Practice (ipep.org) or an equivalent organization in a reciprocal jurisdiction required if available. If not available, professional certification through an accredited institution is required</p>	<p>Senior Qualified Environmental Professional through the Institute of Professional Environmental Practice (ipep.org) or an equivalent organization in a reciprocal jurisdiction required if available. If not available, professional certification through an accredited institution is required.</p>	<p>Principal Qualified Environmental Professional through the Institute of Professional Environmental Practice (ipep.org) or an equivalent organization in a reciprocal jurisdiction required if available. If not available, professional certification through an accredited institution is required.</p>
OTHER SELECTIVE PREFERENCES	N/A	<p>Professional “in-training” certification preferred if available through the Arizona Board of Technical Registration or an equivalent organization in a reciprocal jurisdiction.</p>	N/A	N/A	N/A	N/A