

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

We are looking for results-oriented, driven individuals with a thirst for problem solving.

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Geotechnical Engineer SOLID WASTE UNIT WASTE PROGRAMS DIVISION

JOB SUMMARY

At ADEQ our vision is to be the number one state in the nation in balanced, leading-edge environmental protection; through technical and operational excellence; and radical simplicity for customers and staff. We are currently looking for employees who are committed to our Agency, passionate to excel in their career and engaged in our mission. Only this caliber of employee will be successful in driving our Agency towards accomplishing our vision.

This position's primary responsibility is to provide strategic support and work closely with the leadership team as a subject matter expert in all aspects of the Coal Combustion Residue (CCR) Program with an emphasis on dam safety and design. This position will also provide technical support in the review of tailings storage facility (TSF) design reports prepared on behalf of mining companies to evaluate the geotechnical aspects of tailing facility design and operation.

Primary Duties:

- Reviews CCR permit applications and reports prepared on behalf of utility companies to evaluate the technical aspects of facility design and operation. This will include but not limited to: review of design drawings, specifications, and calculations; slope stability analysis; static liquefaction analysis; seepage studies; dewatering and capping of CCR surface impoundments; and construction over closed or closing CCR surface impoundments.
- Conducts inspections of CCR structures such as dams, landfills, and cooling ponds, as needed.
- Prepares thorough and accurate inspection reports, correspondences, and documentation related to CCR Program.
- Reviews TSF design reports prepared on behalf of mining companies to evaluate the geotechnical aspects of tailing facility design and operation as related to slope stability and safety. This will include but not limited to: design drawings, specifications, calculations, geotechnical investigation, slope stability analysis and related stormwater management design.
- Performs other duties as required/assigned.

Do you think you have the combination of commitment, passion, and talent to help drive this Agency to realizing our vision? If so, **apply today**. To learn more about us, our organizational habits known as the ADEQ Way, our culture, and other positions we have open, visit us at [DEQ/careers](#)

Minimum Requirements

- Bachelor's degree in environmental/civil/chemical engineering.
- Requires 12 years' experience (Master's degree may substitute for 2 years exp., Doctorate may substitute for 4 years exp.). **Professional Engineer (PE) certification through the Arizona Board of Technical Registration required.**
- At least 5 years of experience with the Federal CCR program with the construction and design of impoundment dams, cooling ponds, landfills and water pumping operations.
- In State Travel is up to 10% of this position's time to inspect CCR facilities.
- Advanced knowledge of environmental and regulatory requirements related to CCR products, dams, landfills, and effluent permits.
- Excellent communication skills to facilitate resolution of projects and problems.
- Proficiency in computer applications applicable to specific work field/discipline.

The ideal candidate will demonstrate:

- Ability to work with people at all levels both within and outside the agency.
- Ability to develop and deliver effective presentations to other personnel, management and external parties.
- Ability to provide expert recommendations based on analysis, trending of data, testing, and investigations.
- Ability to make expert decisions systematically, considers impact of decisions and builds consensus.
- Ability to effectively communicate environmental issues with the customer and external organizations, create accurate and punctual reports, deliver effective presentations, share information and ideas with other interested parties, and possesses good listening skills. Works well in groups, helps resolve conflicts, facilitates meetings, works well with other Units/Value Streams/Divisions, is flexible and open-minded, focuses team on strategies and goals.
- Ability to respond promptly to customer requests, meets commitments and follows up to assure satisfaction.
- Observes safety and security procedures; reports potentially unsafe conditions
- Ability to plan, prioritize and manage multiple projects and assignments.

BENEFITS

Among the many benefits of a career with the State of Arizona, there are:

- 10 paid holidays per year
- Accrual of sick and annual leave beginning at 12 and 13 days per year respectively for full-time employees
- A top-ranked [retirement program](#) with lifetime pension benefits
- A [robust and affordable insurance](#) plan to include medical, dental, life, short-term and long-term disability
- An incentivized [commuter club](#) and public transportation [subsidy program](#)
- We promote the importance of work/life balance by offering workplace flexibility
- We offer a variety of learning and career development opportunities

Click **APPLY** to submit your resume

Arizona State Government is an AA/EEO/ADA Reasonable Accommodation Employer. Hired employees will be subject to E-Verify. Persons with a disability may request a reasonable accommodation such as a sign language interpreter or an alternative format by contacting Rivera.Bob@azdeq.gov. Requests should be made as early as possible to allow time to arrange the accommodation. Having trouble applying? Email HRIShelpdesk@azdoa.gov or call 602-542-4700 for assistance.