

Mr. Brown is a senior manager with over 26 years of engineering and project experience. He is currently a Vice President and Principal-in-Charge for large projects in ARCADIS' Environmental Division. He is a registered Civil Engineer (AZ, CA) with hands-on experience setting up and directing projects including agency interaction/presentations, field investigations, characterization evaluations, engineering computations, preparing and editing reports, and preparing, reviewing and sealing plans and specifications. He has also led several projects through the construction phase, with design/build and design/bid/build experience including several in Texas. He has a broad background in large remediation, redevelopment, waste facility/landfill and drainage projects. His experience includes mining and industrial sites where soils and groundwater characterizations, cut-off walls, drainage channels, ditches, on-site RCRA-C management units, pump and treat, soil vapor extraction, air-sparge, in-situ treatment, monitored natural attenuation and soil/geosynthetics/asphalt cover systems were selected. Several completed projects have included facilitating redevelopment under industrial, commercial or residential standards. A sampling of projects in which he has been involved is provided below.

DETAILED EXPERIENCE

- **Turn-key Remediation of Environmental Liabilities, Former UPR Gas Processing Facilities / TX, LA, OK, UT, WY, CO and NM.** Project Director for turn-key fully financed (\$47MM) remediation at 14 gas plants and over 350 gathering/compressor stations. Scope of project was to obtain letters of no further action from local, state (including the Texas Commission on Environmental Quality [TCEQ] and Railroad Commission of Texas [RRC]) and federal agencies. Each gas plant required detailed evaluation of existing and adjacent site conditions, soils and groundwater plume delineations, preparation of remedial designs for soils and groundwater, careful management of E&P exempt and RCRA wastes, NORM hazardous wastes, and other types of wastes. Main technologies employed were: landfarming, containment, dual-phase extraction, soil vapor extraction, air sparge and monitored natural attenuation. Sites in Texas included gas plants near Ozona(2), Huldale, Carthage and Corpus Christi and several gathering/compressor stations.
- **Design-Build Riverbank Barrier Wall Project, Koppers Industries Inc. Facility / Montgomery AL.** Key project team member for design, construction oversight and quality assurance of a 50-foot (average) depth soil bentonite cut-off wall located on the north-east bank of the Alabama River. This project included permitting (RCRA Permit Modification, ACOE permit, ADEM approval), alignment evaluation and characterization (including geotechnical [CPT and borings], groundwater modeling, biological and cultural evaluations), platform embankment, cut-off wall and drainage feature design and construction. The design process was completed with input from Severson Environmental Services/Inquip who were the selected construction contractors for the project.
- **Phoenix-Goodyear Airport-North Superfund Site / Goodyear AZ.** Key member of design/build project team to manage environmental liabilities at this Region IX Superfund site near the Goodyear Airport. Scope included enhancement, operations, monitoring and maintenance of a multiple location, pump and treat system to contain a large chlorinated solvents plume from the former Unidynamics Phoenix Inc. facility. Prepared and sealed plans and specifications for two separate additional liquid granular activated carbon

Scott M. Brown, PE

Project Role:

Project Manager

Title/Firm:

Vice President
ARCADIS U.S.

Years of Experience

26

Education

BS Mining Engineering Colorado School of Mines 1984
MS Mining Engineering (Rock Mechanics) Colorado School of Mines 1986

Licenses and Certifications

Professional Engineer (AZ, CA)

Societies

American Society of Civil Engineers
Geo-Institute
Southern California Waste Management Forum
National Brownfield Association

(LGAC) treatment systems with up to 2000 gpm capacity each. The designs also included a dedicated extraction well and piping/discharges at both locations. Both projects were completed on-time and budget with accolades from the City of Goodyear and EPA Region IX (Certificate of Appreciation).

- **City of Rialto Landfill Closure and Redevelopment / Rialto CA.** Prepared a closure plan, drawings and specifications to close the Rialto Landfill and prepare the area for reuse as a site for a planned waste-to-energy facility. The old landfill had potential hazardous constituents that were characterized and evaluated. An excavation, sorting, disposal and soil reuse program was negotiated with the California Regional Water Quality Control Board, Santa Ana Region. The plan included temporary support of the main effluent discharge line from the adjacent water treatment plant, excavation and backfill requirements, drainage/dewatering requirements during construction and final drainage requirements. Also prepared bid documents and assisted with the public bidding process.
- **Mac Gillis and Gibbs State Superfund Site Remediation and Redevelopment / Trigo CA.** Responsible as the Engineer of Record for the design and construction of a Class I landfill and impacted soil excavation, placement and closure of the site. This project required containment of impacted soils from various wood treatment processes. The landfill lining system utilized a GCL/FML composite while the cover utilized a FML/asphalt composite configuration.
- **Penn Mine Remediation, Redevelopment and Landfill Design / Camp Seco CA.** Responsible for site investigations, geotechnical evaluations, acid mine waste characterization and landfill design for the closure and restoration of the Penn Mine property. Activities included accurate determination of mine waste quantities, innovative landfill liner design including the use of an under drain, a GCL/FML composite liner, geocomposite drainage layers and the use of mine tailings as an operations layer. An alternative cover system using mine tailings and FML was also used.
- **Koppers Company, Inc., Feather River Site Remediation and Redevelopment / Oroville CA.** Responsible for providing detailed design, construction and CQA services for a landfill liner, cover and soil removal program. The liner includes a standard clay/FML geocomposite configuration, while the final cover utilized and innovative GCL/FML design with a vegetative cover of 3:1 slopes. Both MCE earthquake evaluations and PMP were considered in the design.
- **Carlota Mine, Lower Powers Gulch Spillway / Miami AZ.** Principal-in-Charge and Engineer of Record for design, permitting support, cost estimating, bid support and construction support for routing drainage around a 120-acre leach pad through a spillway structure (200 feet of drop in 1000 feet) and back into the natural gulch. The spillway was designed to maximize the use of the bedrock as the flow surface. The configuration included two 20-foot high 2:1 gabion drop structures, two 15-foot high rock bolted vertical drop structures and eight 15-foot high rock bolted, 1:1 drop structures.