

## Design, Technical Assistance, Engineering, and CQA Services for the Apache Junction Landfill

Apache Junction, Arizona

### Client

Republic Services, Inc.

### Timeframe

1999 - Present

### Contract Amount

\$1,000,000+

### Personnel

Douglas Junk  
Monte Christie  
Caleb Miller  
Jake Russell



The Apache Junction Landfill is located in Apache Junction, Arizona. The landfill has an overall site area of approximately 129 acres of which approximately 78 acres are currently permitted.

The GLA project team has provided services to Republic Services for the Apache Junction Landfill for over fifteen years. The Team has provided design and construction quality assurance for several cell expansions at the Landfill. Other services have included landfill gas control system design and construction quality assurance, operations and maintenance, quarterly density, aerial budget modeling as well as ongoing miscellaneous engineering services.

GLA has provided continuous engineering services to the site including a final closure design, which incorporated the City of Apache Junction's request for a regional park. This effort required civil design as well as landscape architecture which was performed with GLA staff.

In 2014, GLA designed vast storm water control improvements for the landfill, along with the excavation plans for the development of Cell 8. GLA also provided construction oversight and documentation of the synthetically lined disposal cell.

### Project Highlights

- Design and construction quality assurance for multiple phases of construction of composite liner system (GCL/HDPE)
- Landfill gas control system expansion design
- Landfill Gas Control Operations and Maintenance
- Flare Installation CQA
- Construction management
- Ground survey
- Type III Permit Modification
- Installation of leachate sump sensor
- Financial assurance certification
- Density survey
- Aerial budget modeling
- Quarterly gas monitoring
- As-needed engineering services