



# MATRIX **NEW**WORLD

Engineering Progress

## ENVIRONMENTAL SITE ASSESSMENT (ESA)

### **Matrix analyzes and assesses.**

Matrix New World Engineering (Matrix) is a full-service hydrogeological and environmental consulting firm. With more than 25 years of experience, Matrix provides a full complement of environmental services, including contaminant investigations, regulatory permitting, and compliance. Performance of Phase I, II, and III Environmental Site Assessments (ESAs) to complete due diligence activities for property transactions is one of the many environmental services routinely provided.

All Phase I, Phase II, and Phase III ESAs are conducted in accordance with American Society for Testing and Materials (ASTM) Standard Practice E1527-13 or later revisions (the “ASTM Standard”), and the U.S. Environmental Protection Agency (EPA) All Appropriate Inquiry (AAI) Rule found at 40 CFR Part 312.

Matrix clients have included the State of Arizona, municipalities, Native American Tribal governments, utility companies, law firms, mining companies, master planned communities, engineering firms, private businesses and individuals.

The Arizona Department of Environmental Quality (ADEQ) contracted Matrix to conduct a Modified Phase II ESA to assess the extent of contamination due to historical operations at Special Planning Area #1 Water Reclamation Facility, Surprise, Arizona.

The project, funded by a Brownfields State Response Grant through the federal government, included preparation of a Work Plan, Sample and Analysis Plan (SAP), field investigation, and a final ESA report. ADEQ and the EPA reviewed and approved the SAP and report findings.



### **Services provided**

- Phase I, II, and III ESAs
- Characterization / Closure
  - Leaking Underground Storage Tank (LUST) Sites
  - U.S. EPA Superfund Sites
  - Water Quality Assurance Revolving Fund (WQARF) Sites
  - Landfills
- Remedial Design
- Aquifer Protection Permits (APP)
- Arizona Pollutant Discharge Elimination System (AZPDES) Permits
- Compliance Monitoring, Testing & Reporting
- Groundwater Flow & Contaminant Transport Modeling

### **Contact**

#### **Matrix New World Engineering**

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