



## **A & M Engineering and Environmental Services, Inc.**

Consulting - Design - Construction - Remediation

---

Society of American Military Engineers

### **Spotlight Presentation**

Presented by: Tolga M. Ertugrul, P.E.

October 15, 2019

[www.aandmengineering.com](http://www.aandmengineering.com)

# Company Overview

- Founded in Tulsa in 1984
- Satellite offices in Oklahoma City, Kansas City and the greater St. Louis area
- 35+ Years of Experience in Environmental Compliance, Consulting, Civil & Environmental Engineering, Construction and Remediation Services

## Professional Staff Includes:

- Engineers (Civil, Environmental, Geotechnical & Chemical)
- Geologists & Hydrogeologists
- Environmental Scientists & Specialists
- Health & Safety Specialists
- Construction Engineers, Managers and Supervisors



# Company Overview

A & M Engineering and Environmental Services, Inc. (A & M) was founded by Altay Ertugrul, P.E. and Dr. Murray McComas, C.P.G. in 1984.

Altay became sole owner in 1999 allowing A & M to ultimately become family owned.

In keeping with A & M's long-term succession plan, Tolga Ertugrul transitioned to president in early 2018 following Altay's passing in 2017.

Tolga is a licensed engineer with competency in civil, environmental, geotechnical and construction engineering, which encompasses all of A & M's primary service areas.



Murray McComas,  
Ph.D, C.P.G.

Altay Ertugrul, P.E.



U.S. Small Business  
Administration



# Company Overview – Primary Services

## Environmental Engineering & Management:

Groundwater, Water & Wastewater  
Contaminated Media (soil, groundwater, water, and product) Investigations, Assessments, and Planning including PFAS  
Feasibility Studies  
Remedial Actions, Engineering and Design  
Remediation System Implementation and Planning  
Waste Containment Facility Planning and Design  
Facility Decommissioning  
Inspections & Monitoring  
Industrial and Hazardous Waste Management & Disposal Facilities  
Radiological Waste Management

## Geoenvironmental & Geotechnical Engineering:

Construction Quality Assurance (CQA)  
Subsurface Investigations & In-Situ Testing  
Slope Stability Analysis (including of Landfills)  
Roadway & Paving Design  
Shallow & Deep Foundation Design  
Dams & Levees  
Vapor Barriers  
Specialized in-Situ Treatment Technologies  
Contaminant Transport Modeling  
Hydraulic Barriers, Containment Systems, and Seepage  
Geosynthetics Design including MSE Walls

## Landfills & Impoundments:

RCRA Subtitle C & D  
Industrial Impoundments  
Construction Quality Assurance (CQA)  
CCR and Waste Piles Including CKD  
Leachate Collection & Lining Systems  
Detention/Retention Ponds

## Civil Engineering & Design:

Construction Support & Management  
Feasibility Studies  
Site Development  
Permitting  
Storm Water & Drainage Modeling



# Company Overview – Primary Services

## Environmental Compliance & Services:

Air Quality  
Storm Water (SWP3)  
Spill Prevention (SPCC)  
Wastewater  
Waste  
Health, Safety, Indoor Air Quality  
Due Diligence (Phase I & II)  
Brownfields Redevelopment  
EPCRA & TRI  
USACE Permitting  
Compliance Evaluations & Audits  
NEPA Environmental Assessments  
Asbestos, LBP, Mold Services

## Construction & Remediation Services:

Landfills & Impoundments  
Superfund  
Retention/Detention Structures  
Drainage Improvements  
Flood Control & Levee Repairs  
Lagoon Sludge  
Facility Decommissioning  
Soil Remediation  
Water/Wastewater Treatment  
Vacuum Truck Services  
Construction Management  
Horizontal Development  
Grading Plans  
Bioremediation of Soils and Water



# Affiliate Companies

## Mid-Way Environmental



Stroud and Davenport, OK

- Class I Commercial Injection Well for non-hazardous commercial and industrial liquid wastes in Davenport, Oklahoma
- Class II Commercial Injection Well for oil and natural gas related liquid wastes in Stroud, Oklahoma
- Secure and state of the art facility.
- Class I facility is permitted by ODEQ and USEPA

## Lincoln Transportation



Stroud, OK

- Liquid Waste Trucking Services for oil and natural gas related needs as well as commercial and industrial applications
- Manages equipment yard for A & M's fleet of heavy construction equipment
- Full mechanic garage equipped to service and repair A & M, Lincoln and Mohawk equipment and vehicles

## RTT Solutions



Tulsa, OK

- SDVO Small Business
- Remediation
- Horizontal Construction

## Mohawk Drilling, Inc.



Tulsa, OK

- Environmental, Geotechnical, and Mineral Exploration Drilling Services
- Soil boring, rock coring, and sampling
- Wells for monitoring, piezometer measurements, vapor extraction, and air sparging
- Well development, sampling, and abandonment
- Packer testing and inclinometer



# Company Profile

- 40-50 total employees depending on construction needs
- Approximately 25 technical staff members
- Typically 40-60% of our total revenue is generated from construction
- 50-70% of our total revenue is generated from local, state and federal contracts depending on the year
- Over 40% of our technical services revenue is backlogged year to year
- Our largest active contract is a 5 year, \$35m Superfund project for EPA involving Residential Mine Waste Remediation in Washington County, Missouri
- We have either performed work for and/or are in teaming agreements with many of the sustaining members of this post
- Nearly all our engineers and geologists have been or are currently involved in some form of construction support, management and/or construction quality assurance.



# Differentiators

## Comprehensive Technical and Construction Services Business

- We recruit, staff, educate and mentor our technical professionals with the fundamental aim of successfully executing complex, multidisciplinary projects
- We can design, construct or we can design-build in virtually all our service areas, especially those involving earth moving
- We are consistently competitive on bids for remediation and heavy civil construction projects and ultimately perform in a highly successful or exceptional manner
- We are “smart” contractors due to our use of technology accelerators and blend of technical staff and seasoned managers, superintendents and operators

## Experience / Company History

- Diverse past-experience in private and government sectors
- Strong reputation for executing with quality and timeliness

## Commitment, Cash-Flow and Bonding Capacity

- We invest in our people and give them the tools they need to succeed
- We have sufficient cash-flow and financial resources to able to execute large construction projects
- We typically self-bond our largest projects with liquid assets



# Remediation Highlights

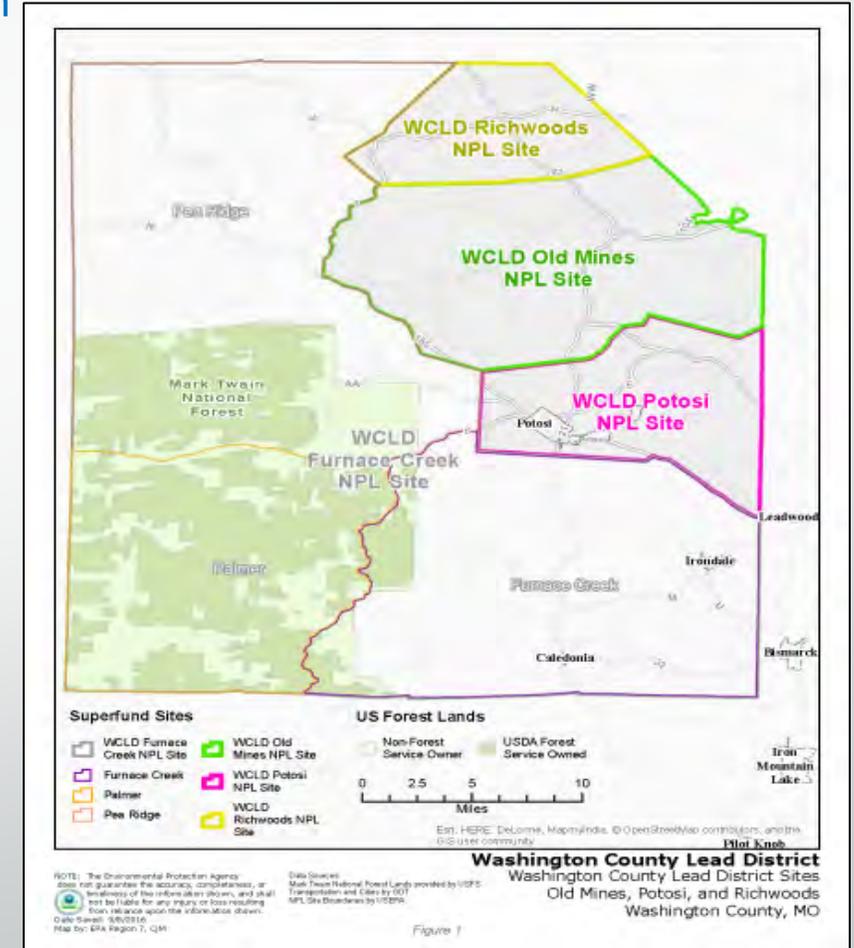
Washington County, MO

Superfund Site – Residential Property Mine Waste Remediation

Client: Region 7 EPA



- 982 Properties
- \$35 Mil
- 10% Complete
- More landowners signing up (positive work environment)



# Remediation Highlights

Tar Creek Superfund Site  
Client: ODEQ



- Investigations
- Design & CQA for residential remediation
- Contract Documents

Oronogo-Duenweg Superfund Site  
Client: US EPA Region 7



- Completed Ahead of Schedule and to the Satisfaction of the Property Owners
- Remedial Action of the removal of 2.7 million CY of contaminated soil and chat in Newton County Missouri



# Levees and Dams Highlights

## Assessment of Dam Foundation Conditions for Three High Hazard Dams



- Potential Failure Mode Analysis
- Remote Sensing
- Geologic Mapping
- Movement Monitoring
- Geophysical Surveys

## City of Tulsa Flood Damage Response Client: City of Tulsa



- Emergency Permitting
- Bank Stabilization Design
- CQA

# Cumberland Levee Phase II Repairs



Contractors for the U.S. Army Corps of Engineers Tulsa District use heavy equipment to move tons of dirt while working on phase II of the Cumberland Levee Repair project along the Washita River, 12 miles east of Madill, Oklahoma. The levee was over-topped and breached June 21, 2015, during a record flood event brought on by historic amounts of rainfall across Oklahoma.

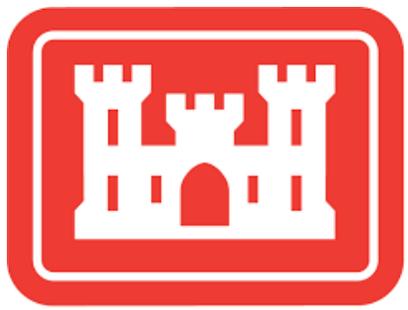
## **TULSA DISTRICT DELIVERS THE PROGRAM ON CUMBERLAND LEVEE REPAIR PROJECT**

BY PRESTON CHASTEEN, Tulsa District



# Several Recent or Ongoing Relevant Projects

- OMES Civil, Geotechnical, Environmental, and Construction Management IDC's
- GRDA – CCR Landfill Engineering & Embankment Design and CQA
- Real Alloy Residuals Landfill – Haul Road Relocation Design-Build and New Cell Design
- Groundwater Remediation of Chlorinated Solvents in western Arkansas and Stillwater
- Mead and Hunt/Mason and Hanger Joint Venture - Subsurface Exploration and Geotechnical Report for the Proposed Bulkhead Storage Building, Broken Bow Dam
- HDR - Subsurface Investigation and Stability Analysis of Hazardous Waste Landfill Retaining Walls at Tinker Air Force Base
- Mid-Way Environmental Services – Design, permitting, and construction of Class I nonhazardous commercial injection well facility plus ongoing environmental, civil and operational services



SemGroup®



BROKEN ARROW  
*Where opportunity lives*



The City of  
**SALLISAW**  
*Built on Pride, Dedicated to Excellence*



**MID-WAY**  
ENVIRONMENTAL SERVICES, INC.

encana



rd



CITY OF  
**Tulsa**  
*A New Kind of Energy.*



**REAL ALLOY**

Mead  
& Hunt

HDR



**KINDER MORGAN**  
INC.



**Central Plains**  
**Cement Company**

# Thank You!

SAME Tulsa Post and Members that we are Teaming with!



# Points of Contact

John Roberts, P.E. (Government Programs Manager)

[JRoberts@aandmengineering.com](mailto:JRoberts@aandmengineering.com)

Tolga Ertugrul, P.E. (President)

[Tolga@aandmengineering.com](mailto:Tolga@aandmengineering.com)

## **A & M Engineering and Environmental Services, Inc.**

10010 East 16<sup>th</sup> Street

Tulsa, Oklahoma 74128

Website: [www.aandmengineering.com](http://www.aandmengineering.com)

Phone: (918) 665-6575



U.S. Small Business Administration

