

Civil Works and Environmental Capabilities of A & M Engineering and Environmental Services, Inc (A & M)

Presented on: August 19th, 2025

Introduction to A & M

"The firm's title sells them short. In addition to a competent staff of engineers they own construction equipment and maintain a highly competent construction crew. This mix of personnel complements and strengthens the two. It also enhances their ability to provide quality products at reasonable prices. Working with A & M was a pleasurable and productive experience."

— From Michael Nance

*Administrative Contracting Officer for Tulsa
District Cumberland Levee Phase II Repairs*



Introduction to A & M

- **SBA-Certified HUBZone Small Business**, founded in **1984**
- Team of **engineers, geologists, scientists, safety specialists**, and **construction managers**
- Services: **General construction; civil works construction, design-build, and A/E services; environmental consulting and remediation; civil and geotechnical engineering; and dam safety**
- Proven experience in **design-build for solid waste**, and environmental solutions for **oil & gas and industrial clients**
- **Self-perform environmental remediation and construction** with owned **fleet of heavy equipment**
- Experts in **geo-environmental engineering** with real-time **tech-driven project controls**
- Delivered **thousands of projects** for **federal, state, tribal, and private clients**
- Multiple Joint Ventures including **WOSB, SDVOSB**, and **8(a)** JVs as well as mentor-protege JVs with Walga MTE, LLC and Mead & Hunt.
- Deep commitment to **local community engagement** and stakeholder collaboration
- Designed and built **Oklahoma's only commercial Class I Injection Well**, with ongoing regulatory support
- Recipient of the **EPA National Award for Outstanding Accomplishments by a HUBZone Contractor for FY 2019** for our work on the Washington County Lead District Residential Soils Remediation project



Company Snapshot

\$32M+

Largest Active
Contract

40+

Years of Government
Experience

2,000+

Projects Completed


80+
Employees



35

Heavy Equipment Owned

Environmental Capabilities

Environmental Remediation

- RI/FS/RD/RA
- Soil and Groundwater Remediation
- In Situ Remediation (Thermal Remediation, ISCO/ISCR, bioremediation)
- Ex Situ Remediation (Thermal Remediation, bioremediation, ISS)
- Landfill/Repository Design and Construction
- Mine Reclamation
- LTO/LTM
- High Resolution Characterization
- Groundwater System Optimization
- Karst Studies
- MMRP Characterization and Remediation
- PFAS Investigation and Remediation

Compliance Services

- Air Permitting (Minor, Synthetic, Title V)
- Asbestos, LBP, and Mold Due Diligence
- Environmental Compliance NEPA (EA/EIS) Planning
- Permitting, and Reporting Safety Compliance
- Title V Air Permitting
- Stormwater Pollution Prevention Planning
- Spill Prevention
- Control and Countermeasures



Example Environmental Projects

Location: Washington County, MO
Remediation – OU1 Residential Soils
Superfund Site

Client: USEPA Region 7

Value: \$35.3M

Dates: 2018 – 2025

Contract Type: Firm Fixed Price

Role: Prime Contractor



- 897 residential sites remediated
- ~160 properties ranging from sites as small as 110 SF to 86,081 SF remediated per season
- 252,000 CY of lead-affected soils transported and disposed
- Sourced clean backfill, topsoil and rock materials
- 8.8M SF of residential properties regraded and sodded
- 3M+ SF of gravel driveway replacement
- 120 Days of monitoring vegetation growth
- All 5 periods of performance with 96% of respondents “Good” or “Excellent” rating
- CPARS Ratings:
 - Quality – Very Good
 - Management - Very Good
 - Schedule – Very Good
 - Regulatory Compliance – Very Good
- A & M was the recipient of the EPA Administrator’s Award for Outstanding Accomplishments by a HUBZone Contractor for FY 2019.

Example Environmental Projects

Location: Valley Park TCE Operable Unit
01 Remedial Action - In- Situ Thermal
Remediation (ISTR) – Superfund Site

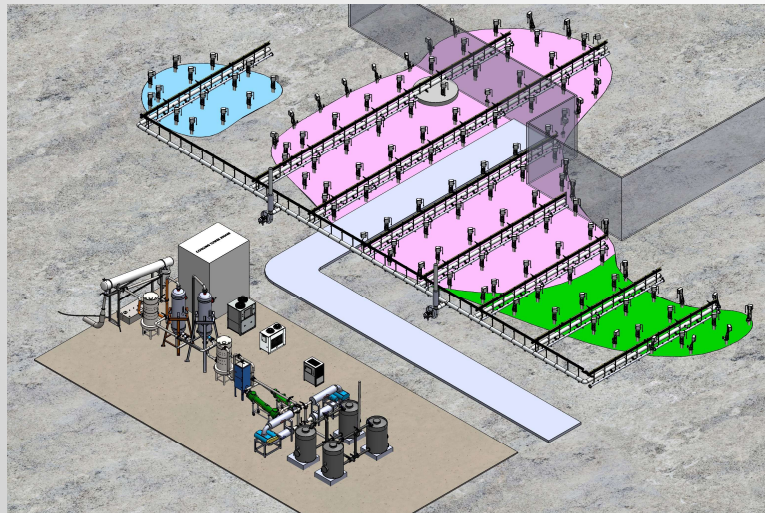
Client: USEPA Region 7

Value: \$4.8M

Dates: 2024 –2027

Contract Type: Firm Fixed Price

Role: Prime Contractor



- Site operated from 1949 to 1979 using solvents that contained Trichloroethylene (TCE) and perchloroethylene (PCE)
- Nearly three decades worth of soil to decontaminate using ISTR technology
- Smart Burners™, heats soils to temperatures that volatilize subsurface contaminants, then recovers them through a vapor extraction network and recycles them as fuel or captures and treats them aboveground.
- Using ISTR, the team will be able to decontaminate the soil without excavation, with minimal disturbance to the area, while safely removing the chemicals from the ground.

Example Environmental Projects

Location: FLW Landfills: Multi-Site
Remedial Action (RA) at Fort Leonard
Wood, Missouri

Client: USACE – Kansas City District

Value: \$6.7M

Dates: 2021 – 2023

Contract Type: Firm Fixed Price

Role: Subcontractor



- 8 landfill site were completed for cover (FLW-006, FLW-007, FLW-008, FLW-009, FLW-010, FLW-012, FLW-017, and FLW-060)
- 54 acres landfill cover improvements
- Work included:
 - 20.5 acres cleared of trees,
 - 17 acres stripped of vegetation,
 - 10 acres of clay cap installed,
 - 7 acres of topsoil placed,
 - 2.3 acres of asphalt pavement installed,
 - 1,000 LF of chain link installed,
 - 600 LF haul road constructed, and other improvements.

Civil Works Construction and A/E Capabilities

- Bank Stabilization and Erosion Repairs
- Ecosystem Restoration
- Flood Risk Reduction
- Impoundments and Levees
- Landfills and Repositories
- Engineering Services
- Civil Design Dams and Levees
- Flood Risk Management
- Geotechnical Geoenvironmental/Engineering
- Hydraulic and Hydrologic Engineering and Design
- Landfill Permitting and Design
- Weirs
- Grading and Earthwork Control Structures
- Drainage Structures (pipes, culverts)
- Gated Structures
- Floodwalls
- Pump Stations
- Water Supply
- Wastewater Treatment
- Wastewater Distribution Systems
- Channel Stabilization
- Site Development
- Multipurpose Buildings
- Site Exploration and Subsurface Investigations
- Reservoir Regulation
- Structural Design
- Navigation Related Project
- Large Complex Structures
- Construction Activities
- Engineering Support
- Civil Engineering, Construction and Related Activities
- Construction Surveying
- Toe Drains
- Surface and Subsurface Storm Drainage and Control Structures
- Storm Water Management
- Erosion and Sediment Control
- Shoreline Protection
- Clearing and Grubbing
- Paving and Surfacing for Roads
- New Utilities
- Relocation of Existing Utilities
- Heavy Construction Activities
- Maintenance, Repair, and/or Rehabilitation of Roads and Other Paved Surfaces
- Maintenance, Repair, and/or Rehabilitation of Small Inhabitable Structures
- Revetment and Shoreline Protection
- Small Concrete Outlet Works and Control Structures
- Foundation Drainage Systems
- Other Ancillary Features that Support Flood Control
- Navigational Infrastructures
- Cost Estimating



Civil Works Project Highlights

Notable Current or Recent Civil Works Contracts

Tulsa Civil Works MATOC – Tulsa District – **NEW!**

Mobile D/B Civil Works D/B MATOC – Mobile District – **NEW!**

Mobile D/B Sewer and Water MATOC – Mobile District – **NEW!**

Stormwater Improvements, Albany GA – Mobile District – \$4.46M **NEW!**

Construction Phase Services AE MATOC - 6 Ongoing Task Orders

Tulsa County Drainage District #12 – Tulsa/West Tulsa Pump Station Repairs (Design) - \$4M

McAlester Army Ammunition Plant Railroad Subgrade I USACE – Tulsa District - \$3.3M

Santa Fe RDI Embankment Repair in Wharton, Texas – Omaha District - \$3.1M

Sam Rayburn Reservoir – Upper Embankment RDI Repairs | USACE Omaha District - \$2.45M

Phase II Cumberland Levee Repair I USACE – Tulsa District - \$2.1M

Fall River Embankment Repair in Fall River Lake, Kansas I USACE – Tulsa District - \$1.48M

Cumberland Levee Seepage Remediation I USACE – Tulsa District - \$1.39M

Kaw Lake Flood Repairs I USACE – Tulsa District - \$1.2M

MKARNS Flood Repairs I USACE – Tulsa District - \$2.6M

Skiatook Dam Toe Drain Repairs | USACE – Tulsa District - \$1.0M

Hartford Levee Cutoff Wall I USACE – Tulsa District - \$479K



Example Civil Works Projects

Location: Sam Rayburn Reservoir –
Upstream Embankment Repair Jasper,
Texas

Client: USACE Omaha District

Value: \$2.45M

Dates: 2023 – 2024

Contract Type: Time and Material RDI

Role: Subcontractor



- General upstream scope of work:
 - Construction of an access road/bench
 - Bank erosion repairs
 - Bedding replacement
 - Riprap re-armament
- Coordinated with water management staff to lower the pool elevation.
- 11-person crew was rapidly mobilized
- 100,000 tons installed in a challenging environment.
- Originated from USACE Fort Worth District to Omaha District
- Provided through HQ USACE, NWD, SWD, SWF, and Omaha District

Example Civil Works Projects

Location: Phase II Cumberland Levee Repair

Client: USACE – Tulsa District

Value: \$2.1M

Dates: 2016 – 2018

Contract Type: Firm Fixed Price

Role: Prime Contractor



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

- ~4,000 LF of levee were repaired and improved with impervious fills and compacted with strict moisture and density requirements.
- 8 relief well laterals (including 350 LF of toe drain systems)
- Completed 3 months ahead of schedule, despite 5 modifications requiring additional work being issued.

“The firm’s title sells them short. In addition to a competent staff of engineers they own construction equipment and maintain a highly competent construction crew. This mix of personnel complements and strengthens the two. It also enhances their ability to provide quality products at reasonable prices. Working with A & M was a pleasurable and productive experience.”

— **From Michael Nance**

Administrative Contracting Officer for Tulsa District Cumberland Levee Phase II Repairs



Example Civil Works Projects

Location: MKARNS Flood Repairs

Client: USACE – Tulsa District

Value: \$2.6M

Dates: 2020 – 2021

Contract Type: Firm Fixed Price

Role: Subcontractor



- 5 areas needed repaired damages along the McClellan–Kerr Arkansas River Navigation System (MKARNS)
- 19,357 tons of 24-inch riprap needed to be replaced in addition to regarding damaged riprap slopes
- 50 feet x 100 feet, inverted, two-stage filter under one section of the Newt Graham Site riprap
- 100 CY placement of flowable fill to grout the Newt Graham Site riprap
- 2 of the support cells under one of the Webbers Falls Lock walls needed filling.
- 640 tons of 6-inch bedding into the support cells, placed by a barge.

Example Civil Works Projects

Location: Skiatook Dam Toe Drain Repairs

Client: USACE – Tulsa District

Value: \$1M

Dates: 2021 – 2022

Contract Type: Firm Fixed Price

Role: Subcontractor



- This project consisted of replacing:
 - the existing drainage culvert
 - catch basin
 - connected drain lines
 - utility access manholes
- 42-inch corrugated metal drainage replaced with 500 LF of new 48" box culvert
- Creation of a grouted riprap catch basin
- 4 new 4' diameter concrete utility access manholes,
- 3 weir boxes
- 305 LF of 18"
- 210 LF of 12" PVC drain lines

Example Civil Works Projects

Location: Tulsa County Pump Station
Repair Project

Client: Tulsa Levee District #12

Value: \$4M

Dates: 2024 – 2025

Contract Type: Firm Fixed Price

Role: Prime Contractor (A&M — M&H JV)



- 7 pump stations needed repairs in Tulsa County Drainage District 12.
- Facilities need repairs, maintenance, and updates, by replacing all pumps and adding emergency generators to the key pumps.
- Coordinated with a concurrent USACE Tulsa District project to replace the pumps in Stations 2 - 7 and repair/upgrade the levees
- Designer of Record
- Prepared engineering construction documents, designs and specifications for:
 - Pump Station 1 pump replacements to modernize the facility and provide a higher level of protection.
 - Electrical controls with automated capabilities and all related electrical infrastructure.
 - Local SCADA system with transmitter/receiver.
 - Backup generators with related electrical work and all necessary components to include civil/structural design and security fencing in order to increase resiliency and reduce risk.
 - Master SCADA systems with transmitter/receiver, tower, and control station to improve operations.

Example Military Programs Project

Location: Agile Common Hangar
Geotechnical Assessment at Tinker Air
Force Base, Oklahoma

Client: Mason & Hanger

Value: \$195,000

Dates: 2023- 2024

Contract Type: Fixed-Firm Price

Role: Subcontractor

- Project to report and evaluate the existing soil conditions for a new Bomber Agile Common Hangar at Tinker Air Force Base
- Total of Forty-Two (40) Soil Borings
- Thirty (30) Soil Borings for Shallow Conditions Flexible and Rigid Pavement Suitability
- Ten (10) Borings Into Bedrock for Foundation Conditions
- Three (3) In-Situ Plate Bearing Tests and one (1) Double-Ring Infiltrometer



Points of Contact

Tolga Ertugrul, P.E.

A & M - President

Tolga@aandmengineering.com

Tulsa - (918) 665-6575

John Roberts, P.E.

Government Programs Manager

JRoberts@aandmengineering.com

Tulsa – (918) 991-0444

Todd Trometer, P.G.

VP, Client Account Management/Program Manager

ttrometer@aandmengineering.com

St. Louis - (314) 753-5682

Jeff Neumann

VP, Construction Services

JNeumann@aandmengineering.com

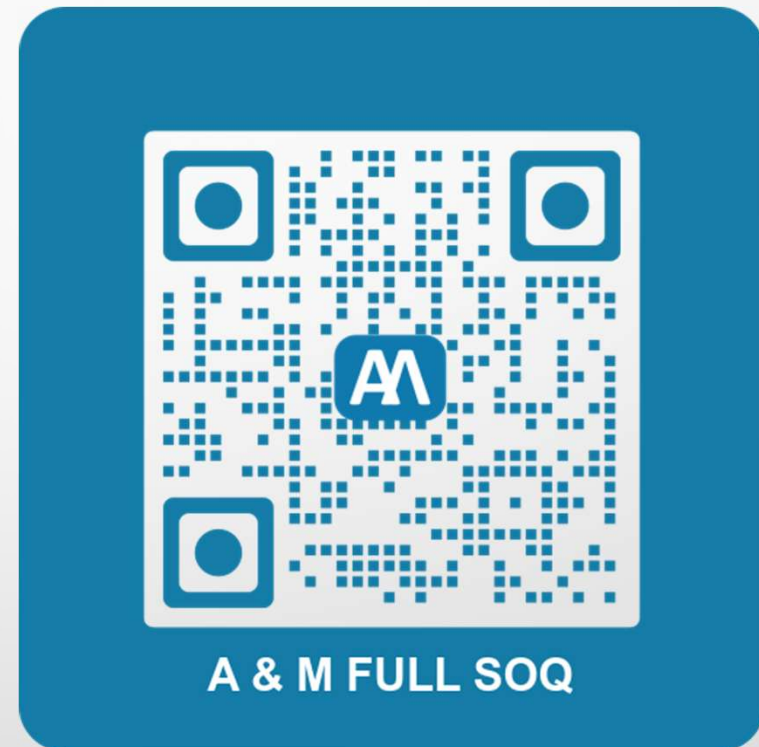
St. Louis - (314) 402-0757

Eaf Redden, P.E.

Sr. Program Manager/Civil Works Director

eredden@aandmengineering.com

Tulsa – (918) 665-6575



A & M Engineering and Environmental Services, Inc.

10010 East 16th Street, Tulsa, Oklahoma 74128

10180 Jackal Rd, Potosi, Missouri 63664

www.aandmengineering.com | (918) 665-6575

