

RICARDO J. ESPINOZA MATUTE, EIT

Education

BS – Civil Engineering, Texas A&M University, 2017

Specialty Certifications

Troxler Certified-Training Course Regarding Nuclear Density Testing Equipment
and Radiology Safety

Registered Engineering in Training, Texas, 2020



Professional Experience

Mr. Espinoza has supported our Texas engineering practice for over 5 years, including a variety of solid waste projects for both private and municipal facilities in Texas. He has experience in the permitting and design of landfills, transfer stations, and storm water protection and drainage systems.

Mr. Espinoza's experience includes construction quality assurance (CQA); hydrologic analysis of landfill drainage and erosion control systems; stability analysis of soil/waste landfill systems; development of construction plans and specifications; analysis of landfill operation and developmental costs; and permit application, modification, and amendment preparation.

The following are representative of Mr. Espinoza's project experience:

Landfill Engineering

- Participated in the preparation of proposal and bid package for a MSW landfill near Prague, Oklahoma.
- Participated in the annual airspace analysis and 5 year phasing plans for 4 municipal solid waste landfills in Fort Bend County and Harris County, Texas
- Participated in the annual preparation of construction plans for landfill development at a municipal solid waste landfill in Brownsville, Texas.
- Participated in the preparation of a Type IV Expansion Permit Application for a municipal solid waste landfill in Houston, Texas.
- Participated in the construction plan development and bid documentation for Initial Facility Developments and subsequent Cell Constructions for multiple oil and gas disposal facilities.
- Participated in the annual preparation of fiscal plan modeling at a municipal solid waste landfill in Brazoria County, Texas.
- Participated in the annual preparation of inactive facility notifications for 3 municipal solid waste landfills and 1 transfer station in Harris County and Walker County, Texas.
- Participated in the preparation of permit applications, modifications and amendment for multiple municipal solid waste landfills, transfer stations, and oil and gas disposal facilities in Harris, Williamson, Howard, Reeves, Reagan, and Dewitt counties.
- Participated in the construction plan development, specifications and bid documentation for Cell Constructions for multiple oil and gas disposal facilities.

- Participated in the construction plan development, specifications and bid documentation for Track out Road and Paving Constructions for an oil and gas disposal facility.
- Participated in the construction plan development, specifications and bid documentation for Receiving Pit Re-Constructions for an oil and gas disposal facility.
- Participated in the preparation of permit applications, renewals, modifications and amendments for multiple municipal solid waste landfills, and oil and gas disposal facilities in Harris, Howard, Reeves, Reagan, and DeWitt counties.
- Participated in the construction plan development, specifications and bid documentation for Cell Construction and Contact Stormwater Pond Re-Constructions for an oil and gas disposal facility.
- Participated in the construction plan development, specifications and bid documentation for Initial Construction, including Contact Stormwater Pond, Receiving Pit, Site Entrance and Perimeter Access and Drainage Systems for an oil and gas disposal facility.

Construction Quality Assurance

- Field Construction Quality Assurance Technician for a leak detection and leachate collection geomembrane liner system at a 15 acre private disposal facility near Big Lake, Texas.
- Field Construction Quality Assurance Technician for a Subtitle D geomembrane liner at a 8 acre cell for an MSW landfill in Brownsville, Texas.
- Field Construction Quality Assurance Technician for a Subtitle D geomembrane liner at multiple 8 acre cells for an MSW landfill in Fort Bend County, Texas.
- Field Construction Quality Assurance Technician for a final cap and evaporation pond repair for an MSW landfill in Corpus Christi, Texas.
- Field Construction Quality Assurance Technician for a Subtitle D geomembrane liner at a disposal facility near Weatherford, Texas.
- Field Construction Quality Assurance Technician for a Subtitle D geomembrane liner at an 8 acre MSW landfill in Polk County, Texas.
- Field Construction Quality Assurance Technician for a receiving pit leak detection geomembrane liner system repair at a 12 acre private disposal facility near Orla, Texas.
- Field Construction Quality Assurance Technician for a 16 acre ash disposal cell at a private disposal facility in McLennan County, Texas.
- Field Construction Quality Assurance Technician for a CCR pond at a private disposal facility in Robertson County, Texas.
- Field Construction Quality Assurance Technician for a leak detection and leachate collection geomembrane liner system at a 12 acre private disposal facility near Orla, Texas.

Other Experience

- Previously employed by a material testing company in Campbell Hall, New York, as a field technician.
- Previously employed by the Texas A&M University Transportation Institute- College Station for research and to assist on the design and construction of pre tensioned highway bent caps.