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ASBESTOS-IMPACTED SOIL EXCAVATION AND AIR MONITORING CLOSEOUT

PROJECT OVERVIEW

ESE provided asbestos consulting and air monitoring services during excavation and disposal of asbestos-impacted soil for a public infrastructure improvement project in Southeast Texas. The work involved oversight of soil excavation activities, real-time air monitoring, and documentation of abatement procedures to support safe removal and regulatory compliance. ESE coordinated closely with the construction team to ensure excavation activities were performed according to approved work practices and environmental requirements.

CHALLENGES

Historical site activities had resulted in areas of soil containing asbestos-containing material. Excavation activities required careful management to prevent airborne fiber release and to ensure impacted materials were properly handled and disposed of. The project required continuous monitoring and experienced environmental oversight to protect workers, nearby operations, and surrounding areas during active earthwork.

ESE'S APPROACH

- Provided on-site environmental oversight during excavation and abatement activities
- Conducted ambient air monitoring upwind and downwind of the work area
- Evaluated airborne fiber concentrations using established analytical methods
- Documented excavation activities, waste handling procedures, and project compliance

RESULTS

ESE documented the successful excavation and off-site disposal of asbestos-impacted soils and placement of clean fill within the excavation area following removal. Air monitoring results remained below applicable clearance thresholds throughout the project, and no visible emissions were observed during excavation activities. The completed work allowed the project team to proceed with planned improvements while maintaining compliance with environmental and safety requirements.