

Power Substation Transformer Explosion Remediation
Major Power Transmission Company
Atlanta, Georgia
Contract Amount: \$70,000

PROBLEM:

A 7,000 gallon transformer exploded at a power substation. Dielectric fluid was released to the gravel/soil pad. Mineral oil also migrated into stormwater drainage ditches. The release was located within 500 feet of a private drinking water well.

SOLUTION:

Remtech was engaged by the power transmission company to remediate the site. Free liquids were pumped into all-terrain tankers and sent to an oil recovery facility.

Saturated gravel and soils were excavated from the substation pad without disturbing the grounding grid. Residual soils and groundwater were treated insitu with Remtech's HC-2000 natural bioremediation accelerator.

Monitoring wells were installed to track plume migration and the accelerated degradation of the mineral oil in soil and groundwater. No contamination was detected in the drinking water well during a 12-month monitoring period.



Transformer Explosion



Closeup of Explosion