

CASE STUDY #28

- Client:** American Express Technologies
- Location:** Phoenix, AZ
- Physical Site:** 1st site 42 sq. yds. Surface area
2nd area 6 sq. yds. Surface area
3rd site 1 sq. yd. Surface area
- Problem:** The impacted area has been contaminated by a overflow of diesel fuel.
- Initial Treatment:** High TPH levels of contaminated soil were removed from site and disposed off at approved facility. Due to underground cable, piping, and proximity to main building, additional bioaugmentation treatment was necessary.
- Biological Treatment:** Brick on building located at surface area was washed with Eliminator Microbial Cleaner/Degreaser to remove stain caused by diesel fuel.
- Site #1:** Area was sprayed with water to moisten surface. PDM-7 HC Microbe & PDM-7 Nutrient were applied to surface by pump sprayer. Oil Sponge Remedial Absorbent was applied to complete area by broadcast method. Area was again sprayed with a thin coating of water.
- Sites #2 & #3:** Area was sprayed with water to moisten surface. PDM-7 HC Microbe & PDM-7 Nutrient were applied to surface by pump sprayer. Oil Sponge Remedial Absorbent was applied to complete area by broadcast method. A second application of PDM-7 HC Microbe & PDM-7 Nutrient was applied. Area was wet down with water. A final application of Oil Sponge Remedial Absorbent was then applied.
- Palm Tree:** Excavated palm tree roots were sprayed with 2 ½ gallons of PDM-7 HC Microbe and PDM-7 Nutrient and Water.

Conclusion:

Total PHase III, Inc. product applied to site:

- 750 lbs. Oil Sponge Remedial Absorbent
- 20 Gallons PDM-7 HC Microbe
- 5 Gallons PDM-7 Nutrient
- 1 Gallon Eliminator Microbial Cleaner/Degreaser

Sites were then back-filled with clean dirt and landscaped.