



**MICHAEL W. O'BRIEN**  
*Senior Technician*

**Education:** Computer Technician, HVAC Technician, Electrical/Instrument Training

**Responsibilities: Sr. Field Technician**

Supervision of field crews during the construction and startup of soil and groundwater remedial systems. Field Sampling, Electrical and electronic component designs & installations. Auto-CAD.

**Relevant Experience:**

<b>1992 – 2002</b>	Pioneer Chlor Alkali Electrical/Instrumentation Technician
<b>2003 – 2006</b>	Terra Vac, Field Technician
<b>2006 – Present</b>	Current Environmental Solutions, Sr. Field Technician

Over 15 years field experience in field sampling for soil and groundwater . Experience with sample preparation, packaging, shipping IDW waste handling and QA/QC procedures.

Supervised the construction, startup, O&M of several remediation projects within California and Washington and Florida. Projects involved the construction and treatment of soil piles contaminated with Volatile Organic Compounds and the treatment of subsurface soils and groundwater contaminated with chlorinated organic compounds.

In 2003 was integral in the design, construction, startup and operation of a the Lilyblad Petroleum remediation site in Tacoma, WA. The system components included Soil Vacuum Extraction (SVE), Dual Phase Extraction (DVE), Free Product Recovery and Electric Resistance Heating (ERH). Project resulted in the successful treatment of over 50,000 cubic yards of contaminated soils.

Worked as a Senior Remediation Technician during the construction, startup and operations over 10 sites in the Western region. Experienced with all air driven technologies including soil vacuum extraction, dual vacuum extraction, pneumatic fracturing, groundwater sparging and bioventing.

Pioneer was a major manufacturer of Chlorine, Caustic and Acids in Tacoma Wa.

O&M of heavy construction equipment and machinery.

Electrical designs, Electronic Components, CAD draftsman