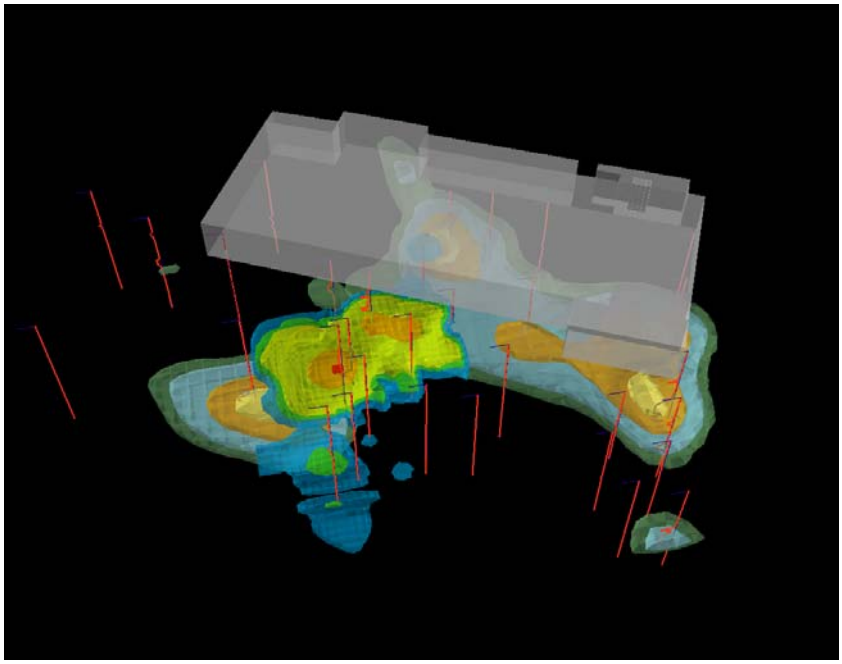
S_2C_2 inc.

Streamlined Site Characterization & Closure

TRIAD APPROACH

S_2C_2 has been a leader in developing on-site characterization methodologies and dynamic work strategies integral to the Triad approach. S_2C_2 believes that to execute an efficient TRIAD process it is necessary to maximize the amount of data collected and analyzed every day. Many data points collected vertically at multiple depths and horizontally throughout the critically impacted area provides a complete description of the contamination and leaves all parties involved with a confident framework to establish risk based and /or remedial decisions. S_2C_2 has all the tools and experience necessary to complete a successful Triad program including direct-sensing probes, mobile laboratories, direct-push units, and data management and visualization capabilities.



Advantages of the Triad Approach

- Incorporates a higher density of data minimizing error associated with sampling bias.
- Incorporates dynamic work strategies and real-time data measurements
- Radically compresses the time to perform Remedial Investigations
- Allows for stakeholder interaction to focus pertinent remedial objectives.

S_2C_2 is committed to working with our clients through all project phases - from the initial proposal, through field implementation, to project completion. We have the tools and personnel to complete your Triad project.

For more information, contact Steve Gelb at 908-253-3200, x11.

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DIRECT-PUSH SERVICES

- Subsurface Soil Sampling utilizing Dual-Tube, Macro Core and Large Bore Samplers
- Groundwater Sampling utilizing Mill Slot and Screen Point 15.
- Soil Vapor Sampling utilizing Permanent and Temporary Points.
- Installation of Standard and Pre-Packed Small Diameter Wells (½", ¾", 1",1.5", 2")
- Injection of ORC (Oxygen Release Compound), HRC (Hydrogen Release Compound) and other Bioremediation Products
- High Pressure Grouting
- Direct Sensing: E-Conductivity, MIP, and FFD

5 Different Probe Unit Configurations Available

Geoprobe® 6620DT and 6600

Utilized for direct-sensing, deep sampling,, and well installation in a track or truck mounted unit

- Industry's most powerful GH60 hammer
- 47,000 pounds of retraction force
- 35,000 pounds of down pressure
- 3,000 ft-lbs of auger torque
- Drop-down work tables
- On-board generator

The complete direct-push sampling unit.

Geoprobe® 5410 Truck and Bobcat Mounted

Utilized for standard site characterization services.

- Industry standard GH-42 hammer

Stand-Alone Geoprobe®

Utilized for accessing restricted spaces.

- Industry standard GH-40 hammer
- No carrier vehicle necessary for operation.

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For more information, contact Matthew Ruf at 908-253-3200, x16.

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ON-SITE / QUICK TURN ANALYTICAL SERIVCES

Organic

Volatiles by GC/MS*	8260B*
Semi Volatiles by GC/MS*	8270C*
PAHs by GC/MS*	8270C*
Pesticides by GC/MS	8270C
PCBs by GC/MS	8270C
TPH/Hydrocarbon Fingerprinting by GC/MS	8270C

NJ Cat I Certified for GC/MS Volatiles and PAHs
NJ Cat II Certified for all GC/MS Volatiles and Semi-Volatiles
24 Hour Turn Around Available for all Analytical Procedures

Inorganic

X-ray Fluorescence	EPA 6200
pH	9040B*,9041A*,9045c*
% Solids	
Dissolved Oxygen	4500*
Hazcat	ASTM, SW-846
Wet Chemistry	Spectrophotometry
Conductivity	9050A*
Temperature	2550B*

*New Jersey DEP Cerfication # 18015

S_2C_2 is committed to working with our clients through all project phases - from the initial proposal, through field implementation, to project completion. S_2C_2 can provide Certified, Definitive Non-Certified or screening level analysis, based upon the required analytical needs of your project.

For more information, contact Todd Morgan at 908-253-3200, x14.

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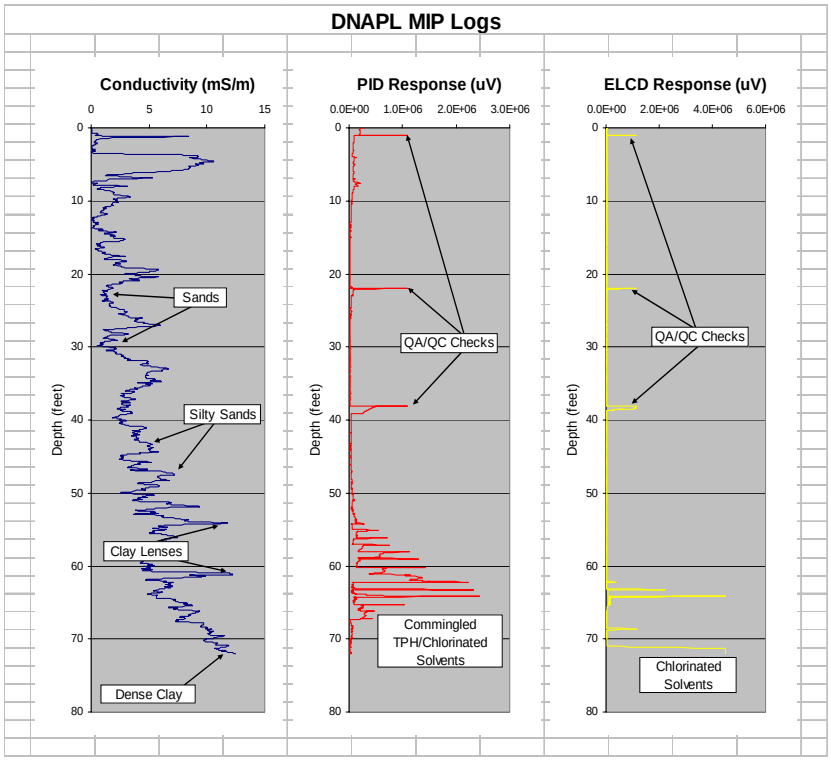
S_2C_2 inc.

Streamlined Site Characterization & Closure

MEMBRANE INTERFACE PROBE (MIP) SERVICES

S_2C_2 is a leader in providing innovative Direct-Push/Direct-Sensing Services. The Membrane Interface Probe (MIP) works by heating soil adjacent to the probe which volatilizes VOCs within the soil. The VOCs diffuse through a semi-permeable membrane to a clean carrier gas that transports the VOCs to detectors at the surface. Soil lithology and VOC impacts are then plotted in real time to a field computer. With thousands of feet of Membrane Interface Probe (MIP) experience, S2C2 has the experience and the equipment to complete the most challenging MIP



Advantages of MIP

- Obtain rapid VOC and lithologic information
- Customize detectors for contaminants of concern (FID, PID, ELCD)
- Provide "Real-Time" displays of VOC impacts
- Determine thickness and lateral extent of lithologic units
- Limited soil sampling required to confirm log response
- Construct detailed geologic cross sections
- Locate appropriate lateral and vertical placement of wells
- Target zones for injection of HRC®,ORC®, etc.

All of S_2C_2's direct-push units are capable of pushing the MIP®, FFD or Conductivity probes. Whether it requires a track mounted Geoprobe® 6620DT, a truck mounted Geoprobe® 6600 or 5410, or an ATV Bobcat® with Geoprobe®, S_2C_2 has the experience and tools to finish the job on-time in a variety of site conditions.

For more information, contact Matthew Ruf at 908-253-3200, x16.

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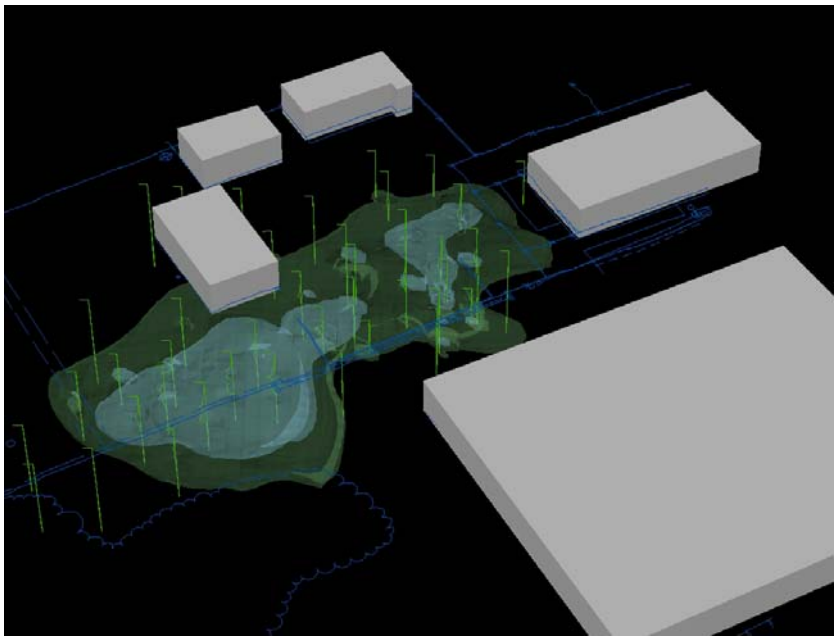
FUEL FLUORESCENCE DETECTOR SERVICES

S_2C_2 is a leader in providing innovative Direct-Push/Direct-Sensing Services . With the recent addition of a Fuel Fluorescent Detector (FFD), we now have the capability of rapidly characterizing free-phase petroleum hydrocarbon plumes as well as free-phase coal tar impacts. The FFD detects the fluorescence produced by aromatic hydrocarbons when excited by an ultraviolet (UV) light source. Pushed with one of our Geoprobe units, the FFD significantly reduces the time needed to detect and delineate the extent of hydrocarbon impacts.

Model of Diesel Impacts from FFD data



Advantages of FFD

- Obtain rapid free-phase hydrocarbon impacts (Detection limits as low as 100 ppm TPH)
- Two filters allow for differentiation between different fuel types
- CPT data collected in conjunction with FFD data giving detailed geologic information
- Limited soil sampling required to confirm log response
- No drill cuttings
- Allows for detailed modeling and volume estimates of free-phase plumes
- Decreases remedial design uncertainties

All of S_2C_2's direct-push units are capable of pushing the MIP®, FFD or Conductivity probes. Whether it requires a track mounted Geoprobe® 6620DT, a truck mounted Geoprobe® 6600 or 5410, or an ATV Bobcat® with Geoprobe®, S_2C_2 has the experience and tools to finish the job on-time in a variety of site conditions.

For more information, contact Jason Ruf at 908-253-3200, x18.

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Streamlined Site Characterization & Closure

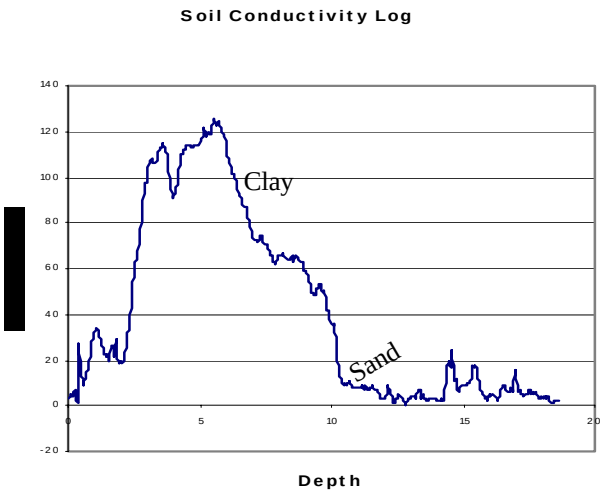
DIRECT SENSING — ELECTRICAL CONDUCTIVITY SERVICES

- Obtain rapid, accurate and reliable lithologic information
- Provide "Real-Time" displays of depth, conductivity, and speed
- Determine thickness and lateral extent of lithologic units
- Limited soil sampling required to confirm log response
- No drill cuttings
- Construct detailed geologic cross sections
- Locate appropriate lateral and vertical placement of wells
- Target zones for injection of HRC®,ORC®, etc.
- Conductivity readings collected every 0.05 ft

S_2C_2 is equiped with Geoprobe's SC500 EC probe, which was specifically designed for environmental direct-push applications. The SC500 is a 4 pole "Wenner" array type probe; current is passed through the soil from the outer contacts of the this array, voltage is measured on the iner contacts.

E-logging Applications

- Thickness of historic fill
- Depth to confining layers
- Determine preferential paythways for contaminate migration.



Expendable Dipole Probe is available for E-logging—Allowing for pressure grouting through the primary tool string

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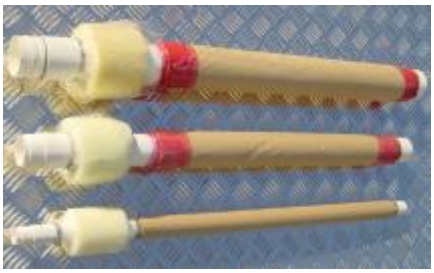
PRE-PACKED WELL INSTALLATION

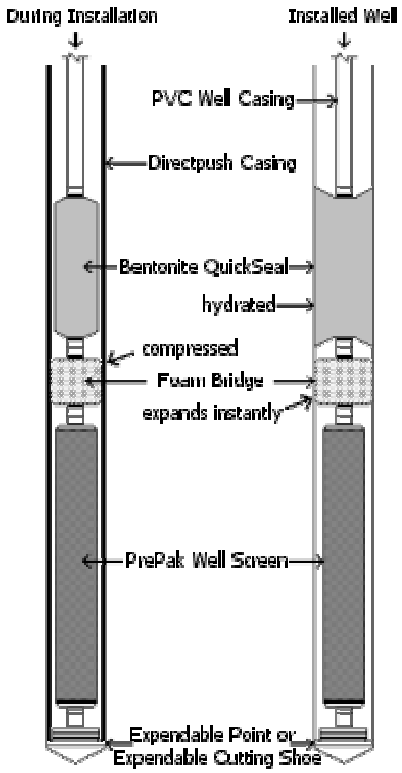
"A comprehensive, multi-well study conducted by the US Navy confirms that there is no statistical difference between samples collected from small diameter direct push wells and wells installed using hollow stem augers."

ADVANTAGES

- Produce no drill cuttings
- Use bottom-up grouting
- Less purge volume required
- Minimal disturbance to the natural formation
- Variety of lengths and diameters available
- Saves time and labor costs… filter pack is factory installed. Uniformly dense sand pack...No bridging of sand...



Combination bentonite Quickseal sleeve and foam bridge assure accurate placement of bentonite seal



Filter packs need to be only two to three sand grains thick to retain and control the formation, according to Fletcher Driscoll, author of "Groundwater and Wells."

Available in Four sizes:

.75-inch PVC Screen – 1.4" OD, use with 2" direct-push casing

1.0-inch PVC Screen – 1.7" OD, use with 3.25" direct-push casing

1.5-inch PVC Screen – 1.7" OD, use with 3.25 " direct-push casing

2-inch PVC Screen – 2.875" OD, usable with 4" direct-push casing

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