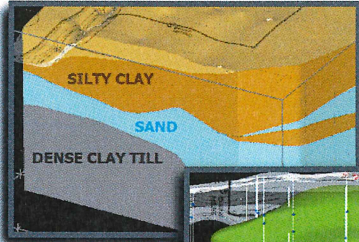


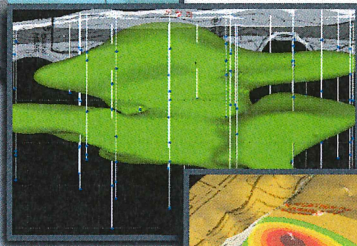


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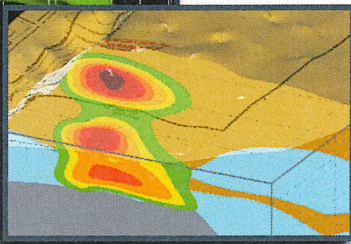
# ST. JOHN-MITTELHAUSER & ASSOCIATES SELECTED AS LEAD CONTRACTOR FOR ANDERSON, INDIANA REMEDIATION PROJECT



3D Geologic Model



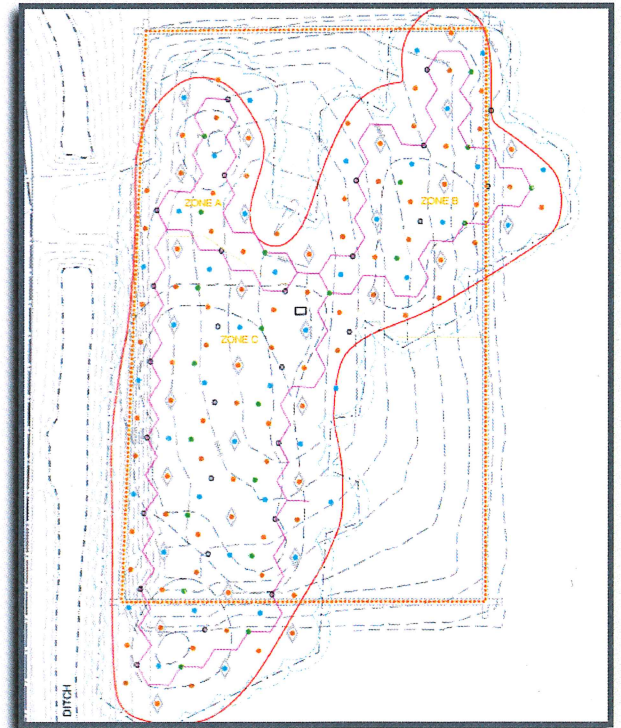
3D Model of TCE Data



3D Conceptual Site Model

Chicago-area environmental consultant, St. John-Mittelhauser & Associates (SMA), has been retained as the lead contractor to remediate soil and groundwater contamination at a former car part manufacturer in Anderson, Indiana. The contamination originated from a former trichloroethylene (TCE) degreaser unit used to clean various manufactured car components. By using both our data management and modeling capabilities, SMA was able to model the geology and subsurface analytical data in 3D to create a detailed Conceptual Site Model (CSM). The CSM was instrumental in calculating the volume of contaminated soil and mass of the TCE present in the subsurface, which assisted in determining the remediation costs. *The images to the left depict the creation of the CSM.*

The site will be remediated using electrical resistance heating (ERH) technology, which SMA contracted through TerraTherm Inc. ERH remediation operates by heating the soil with an electric current and collecting the vaporized contaminants with shallow vapor extraction wells. The electric current can be obtained by tapping into nearby power lines, transferring the current into the impacted soil using electrodes installed in the subsurface, and heating the soil through its excellent insulative properties. Remediation activities are scheduled to begin in **October of 2016**. *The image to the right depicts a preliminary design of the ERH system, showing the locations of the 180 electrodes and remediation extent, encompassing over 33,000 square feet.*



**This will be SMA's 14<sup>th</sup> site remediated using ERH technology.**



FOR MORE INFORMATION PLEASE CONTACT RON ST. JOHN AT [RONS@ST-MA.COM](mailto:RONS@ST-MA.COM) OR VISIT THE ST. JOHN-MITTELHAUSER & ASSOCIATES WEBSITE AT [WWW.ST-MA.COM](http://WWW.ST-MA.COM)