

5.0 TECHNICAL SUPPORT

CBA is capable of offering varying degrees of technical support to consultants and site owners throughout the remedial investigation and design phases of environmental remediation projects. This technical support may include performing bench-scale treatability studies; providing details and cost estimates for various treatment approaches; and providing technical specifications for treatment technologies.

CBA has also developed several professional alliances within the scientific communities involving the research and development of innovative treatment technologies and approaches. CBA has solidified these alliances by entering into agreements which allow free exchange of information regarding environmental remediation efforts.

5.1 Carus Chemical

One such strategic alliance that CBA has formed is with Carus Chemical Company, the largest and only producer of permanganate in the United States. CBA has worked very closely with Carus Chemical's Research and Development Division to optimize the effectiveness of applying KMnO_4 to CVOC impacted soils via the MITU Technology. CBA and Carus often work together closely to provide a variety of services. One such service is a permanganate demand study.

In this type of study, contaminated soils are tested in the laboratory to determine the time incremental permanganate demand. The data obtained through these tests is useful for qualitatively assessing the feasibility of permanganate oxidation.

CBA also has the capability to perform more detailed bench-scale treatability studies that can provide additional information for determining expected permanganate dose rates. This information can be used to develop remediation cost estimates and for implementing field pilot studies.