

Christopher Meyer

Experience Summary

Chris Meyer is a project manager at Antea Group. He has 14 years of experience in consulting acting as a project lead and resource manager. He specializes in integrating innovative technologies and environmental strategies to manage site investigation and remediation projects towards closure.

Related Projects

- Portfolio Manager - Responsible for the scope development, including the design and implementation, of site-specific remedial strategies for more than 40 active and former retail gasoline stations and two major oil storage facility/bulk storage terminals. As each location is in a different lifecycle stage, projects range from initial subsurface and receptor assessments (including residential indoor air studies), to coordinating quarterly ground water monitoring and designing and implementing certain active remedial strategies. Aside from the technical aspects of guiding the remedial scope, responsibilities include management of the appropriate lifecycle schedules and budgets.
- Responsible for stakeholder management, including providing the client and the local regulatory agency – in particular New York State Department of Environmental Conservation for Region I, Region II, and Region III – with clear and concise written reports outlining each particular phase of a site's lifecycle (i.e. Remedial Action Workplan, Spill Inactivation Report, etc.) and presenting the information at periodic meetings. Stakeholder management extends to maintaining a lead role on certain sites with extensive third party and litigious characteristics.
- Specific experience with regards to remedial action at sites impacted with petroleum hydrocarbons include, but are not limited to the following:
 - Non-Aqueous Phase Liquid Remediation – In addition to the development of a robust conceptual site model for NAPL distribution, recoverability, and mobility, managed and completed the design, construction, and subsequent monitoring and maintenance of a free product recovery system at an active major oil storage facility. The CSM development included the use of such technologies as ultraviolet-induced fluorescence and total petroleum hydrocarbon analysis to evaluate NAPL saturation and mobility. The system

Title

Senior Project Manager

Education

BA – Geological Sciences, State University of New York, College at Geneseo, Geneseo, New York

Languages

English

Curriculum Vitae

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was comprised of 13 recovery well units designed for free product recovery and enhancement through dewatering. The system components were designed to be monitored and manipulated remotely, therefore limiting on-site time without an impact to situational awareness and performance. Over the past five years the system has recovered more than 430,000 gallons of NAPL and 58,000,000 gallons of ground water.

- Monitored a network of more than 300 nested monitoring wells and evaluated the status of the monitored natural attenuation of a mile-long dissolved methyl tertiary butyl ether plume in a sandy aquifer. The monitoring and evaluation process involved statistical and mass flux analysis, as well as the continued calibration of a MODFLOW numerical model. The monitoring and modelling efforts successfully resulted in spill closure, avoiding the pump and treat remedy that the agency was initially advocating.
- Designed, coordinated the construction, and evaluated the performance of various mechanical hydrocarbon recovery systems, including vapor phase recovery (soil vapor extraction) and liquid/vapor phase recovery (multiphase or enhanced fluid recovery). This included all of the associated construction and discharge permits required for system installation and operation, managed the construction subcontractor, and continued to evaluate the system performance after start-up.
- Involved in workplan development, execution, and performance evaluation of enhanced bio-stimulation and chemical oxidation remedial activities.
- Involved in the installation and eventual management and continued evaluation of an in-situ vapor phase oxygen injection water system, utilizing iSOC[®] technology, for the enhancement of ground conditions in an offsite plume of hydrocarbon impacts. The system performance was evaluated using ground water characteristics monitored in nine injection wells and more than 100 monitoring wells and nested monitoring wells. Performance was evaluated using various statistical and mass flux analysis.
- As a result of extensive field and project level experience, acted as a key operations representative for the development, testing, and implementation of a unit-wide technical data management initiative. The initiative attempted to automate the associated steps leading up to and following field activities, including certain project level steps (i.e. connecting the steps associated with generating workplans, to field data collection, to laboratory analysis and reporting, and finally to billing). These data management tools are being used by other units, within the company.
- Acted as a site geologist on a United States Army Corp of Engineers Superfund site in Northern New Jersey. During the five month project, activities included the installation and operation/maintenance of a shallow dual-aquifer dewatering system to facilitate the removal of impacted soil from below the water table. Daily activities at the site, which was impacted with low levels of radiation, included the “real time” monitoring of the hydraulic conditions induced by an 18-point dual aquifer dewatering system.