

CASE HISTORY

Remediation O&M– Comprehensive O&M Program

Challenge:

In an effort to reduce groundwater treatment system costs, MUNDELL decided to turn over the operation and maintenance (O&M) of one of its remediation systems to a sub-contractor located much closer to the system than Mundell. This change in O&M providers would save the costly mobilization expense incurred by MUNDELL for every site visit. The creation of a comprehensive O&M program that could be utilized by another company or sub-contractor for the efficient and competent operation of the remediation system was necessary to insure proper operation and maintenance of the groundwater treatment system.



Action:

MUNDELL realized that any program developed would have to be comprehensive and yet easy to implement. MUNDELL developed step by step written guidelines for all routine maintenance procedures. In addition a site visit procedure was developed to ensure that all relevant data was collected and all due maintenance was performed. This procedure was then put into a checklist style site visit form that would be completed on every site visit. Since the system was also subject to NPDES permitting, MUNDELL developed a sampling procedure as well. MUNDELL arranged for the lab to ship a sample kit, containing everything necessary to collect and return the monthly samples to the lab, to the sub-contractor each month. MUNDELL then trained the sub-contractor personnel in all of these procedures. The final step was to develop a spreadsheet that all the data is entered into which facilitates the tracking of production trends and allows for the prediction of upcoming maintenance based on historic data.

Results:

MUNDELL was able to create an O&M program that allowed virtually anyone with minimal O&M experience to track the history of, and perform preventative maintenance on, a complex remediation system. Furthermore these procedures allow MUNDELL to retain responsible oversight of the system O&M with minimal time invested.