



Success Stories

Provided here are a few examples of where current Dextra staff have added significant value to a client's environmental program or project.



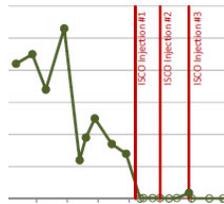
Risk-Based Closure Cost Savings

Dextra saved Twin Oaks Power approximately \$1 million through preparing and obtaining regulatory approval for a risk-based closure plan amendment for one of Twin Oaks' above-ground, coal ash landfills. The amendment allowed using compacted coal ash for the remaining landfill cap instead of imported clay. The use of a risk assessment to support selection of a non-clay cap for coal ash had only been approved once before in Texas.



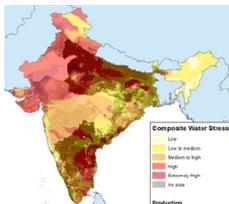
Landfill Closure and Groundwater Monitoring

Since 2000, Dextra has provided comprehensive solid waste consulting services to Southern Nuclear Operation Company, Inc. (SNC) related to SNC's landfills at the Vogtle Electric Generating Station. When SNC initiated a project to expand the nuclear generating capacity at the plant, which encroached upon one of the existing landfills, Dextra worked with SNC and the Georgia Environmental Protection Division (EPD) on a risk-based closure for the excavated area and contaminated groundwater. Approval for landfill clean closure, which had previously not been granted by EPD, was obtained, allowing the plant expansion project to proceed on schedule.



Full-Scale Remediation Via a Pilot Study

To address residual groundwater contamination at a former facility managed under Alabama's Voluntary Cleanup Program, Dextra oversaw implementation of in situ chemical oxidation (ISCO) using permanganate. This was accomplished via a pilot study that was set up with the flexibility to cost effectively determine whether ISCO would be successful and to perform additional injections in support of full-scale remediation. The pilot study, consisting of five injections, was so successful that additional remediation appears unnecessary. A request for closure has been submitted to the Alabama Department of Environmental Management.



Risk Evaluation Software Development

Dextra assisted a food and beverage client with developing a custom software tool that allows the client to evaluate source-water protection risks for all of its facilities. This tool, which is easily updated, has allowed the client to prioritize capital projects and long-term planning for each facility and company-wide using the resulting risk profiles.



PCB Contamination in a Wastewater System

Illegal dumping of waste oil into the sewer system of a major municipality in South Carolina resulted in the discovery of polychlorinated biphenyls (PCBs) at over 50 parts per million at the City's wastewater plant. Andrew Romanek was contacted to assist with addressing and managing the situation. Andrew Romanek worked closely with the U.S. Environmental Protection Agency (EPA) Region 4 to develop a Decontamination and Waste Disposal Plan that satisfied EPA requirements while allowing some flexibility so that the municipality could continue to operate their wastewater facilities. Submittal of a plan and initial decontamination efforts were completed within just three weeks of the initial PCBs discovery.