

PROGRESSIVE ENGINEERING & CONSTRUCTION, INC.

Project Summary



RAILROAD AVENUE SUPERFUND SITE WEST DES MOINES, IOWA

Progressive provided design and construction management services for this CERCLA (Superfund) site located in West Des Moines, Iowa. During the design phase, we successfully negotiated a win-win for both our client and the City, and garnered EPA approval of the design based upon its ability to address two groundwater contaminant plumes impacting the City's drinking water supply well field, and its allowance for reuse of treated water as drinking water. The design included renovation and upgrade of the City's water treatment plant.

The work was completed as a Removal Action under the CERCLA program, and required preparation of a Removal Site Evaluation Memorandum, Feasibility Study and Removal Action Work Plan for EPA and State review and approval. Design and construction management services totaled \$500,000 and included design, permitting, removal of existing aerators and appurtenances; and installation of upgraded aerators capable of treating 11.5 mgd and appurtenances including manways, catwalks, blowers, electrical conduit and wiring. The renovation was phased in order to ensure continued operation of the drinking water treatment plant. The work involved equipment selection, and procurement and management of subcontractors (i.e., mechanical, electrical) as well as coordination with City personnel/agencies. Construction was completed on time and within budget, with successful startup/testing in October 2004.

Progressive also provided remedy design and construction management services for the contaminant source area. The source area remedy consisted of an air sparging system and a monitored natural attenuation (MNA) program. Progressive assisted the client in negotiations with EPA for a new Consent Decree with a reasonable Scope of Work and forgiveness of EPA's past cost recovery claims.

Since implementing the air sparging system, it successfully reduced the concentrations in the source area to levels suitable for MNA. In January 2009, the EPA and Iowa Department of Natural Resources (IDNR) approved temporary shutdown of the air sparging system. Progressive is now implementing the second phase of the approved remedy, MNA, and will continue to provide overall management and oversight of O&M, remedy performance, data evaluation, reporting and communication with EPA and IDNR.

PROJECT HIGHLIGHTS

- CERCLA Site
- Water Supply
- 11.5 MGD System
- Multi-Aquifer Remediation
- Design/Build Final Remedy
- Phased Construction
- Removal Action for Source Area
- Air Sparging
- Monitored Natural Attenuation

CLIENT

Delavan, Inc. (a Division of Goodrich)
2002 - Present

"Thanks for the good work as we advance the project to closure."
Mr. Bruce Amig, Goodrich
(January 12, 2009).



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