

APPENDIX F

Credentials

JENNIFER L. SHEPARD

SENIOR STAFF ENVIRONMENTAL SCIENTIST

PROFESSIONAL EXPERIENCE

Ms. Shepard is an environmental scientist in Terracon's White Bear Lake, Minnesota office. Her experience includes: completing and managing Phase I Environmental Assessments and Phase II Environmental Site Assessments, preparing wind power plant site permit applications, NEPA Screens, Asbestos Surveys, Environmental Hazard Surveys, and performing field investigation including groundwater and soil sampling. She also is responsible for writing proposals and has had experience in the area of solid waste regulation.

PROJECT EXPERIENCE

- **Phase I Environmental Site Assessments**
Conducted over 150 Phase I Environmental Site Assessments for agricultural, retail, commercial, industrial and telecommunication facilities in Minnesota, Wisconsin, North Dakota and South Dakota. Project activities include: a site reconnaissance, historical research, report preparation, and project management.
- **Phase II Environmental Site Assessments/LUST Site Investigations**
Managed and completed several Phase II ESAs for retail and commercial facilities in Minnesota, as well as leaking underground storage tank (LUST) Site Investigations for the Minnesota Pollution Control Agency.
- **Wind Power Plants**
Prepared Minnesota Environmental Quality Board/Minnesota Public Utilities Commission site permit applications for several proposed wind power plant projects located in southwestern Minnesota. Completed Phase I Environmental Site Assessments and Preliminary Literature Searches, which included map interpretation and contacting appropriate state and federal agencies for several of the projects. Coordinated subcontractors for archeological surveys and a prairie survey. Completed federal, state, and county permit applications required for various phases of construction.
- **NEPA Screens**
Prepared NEPA Screens for large cellular tower portfolio projects in Minnesota, Nebraska, Wisconsin, Georgia, and New Mexico. NEPA Screen activities included: collecting all necessary archeological, cultural, and historical information, correspondence with various state and federal agencies, and final report preparation
- **Transaction Screens**
Completed Transaction Screens for multiple sites located in Minnesota for financial institutions. Project activities include: a site reconnaissance, report preparation, and project management.
- **Groundwater Risk Evaluation**
Completed more than 100 reports for the Minnesota Pollution Control Agency's on going assessment of public water supply well impacted by petroleum related compounds. Project activities included reviewing historical information, locating potential source of contamination, and preparing summary reports.

EDUCATION

Bachelor of Arts, Environmental Studies, 1998, Hamline University

CERTIFICATIONS

40 Hour OSHA HAZWOPER Trained
Asbestos Inspector Certified in Minnesota and North Dakota
Thermo Fisher Scientific Radiation Safety and Monitoring certification
Wetland Delineation Trained
CPR/First Aid

WORK HISTORY

Terracon, Senior Staff Environmental Scientist, 2000-present
Dakota County Environmental Management Department, Solid Waste Regulation Associate, 1999-2000

WILLIAM J. BREITZMAN

ASSOCIATE PRINCIPAL/SENIOR PROJECT MANAGER

PROFESSIONAL EXPERIENCE

Mr. Breitzman is a senior project manager with 21 years of environmental project experience. His responsibilities include project management, planning and implementing assessments and remedial actions, project cost management, report preparation, marketing, proposal preparation, client relations and regulatory interaction. He also provides technical support and review for projects and reports performed by other offices.

Mr. Breitzman focuses on projects involving pesticides and fertilizers. He also has many years of experience in all aspects of site assessments and remedial actions for petroleum releases. His current tasks include project management of sites involving primarily agricultural chemicals and technical support for projects in other offices. Mr. Breitzman has managed several sites involving mixed contaminants, mainly agricultural chemicals and petroleum. His knowledge of the technical issues and the requirements of the respective reimbursement programs for mixed contaminant sites is invaluable. Mr. Breitzman has also worked on several projects with multiple clients. These projects require an ability to maintain the interests of each client while keeping the project on track.

In addition, Mr. Breitzman has experience working on spill response, groundwater assessments and water supply issues. He has responded to spills and coordinated the emergency response.

PROJECT EXPERIENCE

- **Agricultural Cooperative – Circle, Montana**

Assessment of soil and groundwater impacts from a release of 2,4-dichlorophenoxyacetic acid (2,4-D). The remedial action included the demolition of a warehouse, soil excavation and landfilling of the soil and demolition material. Also included the design and implementation of a long-term groundwater monitoring plan. Project closure was received from the regulatory agency.

- **Pesticide Formulating Site – Albert Lea, Minnesota**

Assessment of soil and groundwater impacts, evaluation of risk-based cleanup goals and an evaluation of the remedial options. The contaminants included solvents, pesticides and dioxins furans. The project has had three distinct remediation phases. Phase I resulted in remediation of multiple classes of contaminants using on-site thermal desorption technology, a first for chlorinated compounds in Minnesota. The second phase involved the remediation of soil and debris present in buried trenches. The soil and debris was excavated and transported to a disposal facility for treatment and disposal. Treatment included a chemical oxidation process, with subsequent microencapsulation of the treated soil and debris in a landfill. The third phase consisted of the dismantling and disposal of the former pesticide formulation tower, process room and associated equipment. The debris was transported to an approved landfill for microencapsulation and macroencapsulation. This project also had three clients and required interaction with multiple regulatory agencies.

EDUCATION

Bachelor of Science, Water Science and Soil Science, 1979, University of Wisconsin, Stevens Point

CERTIFICATIONS

Professional Soil Scientist: Minnesota

AFFILIATIONS

Minnesota Groundwater Association

WORK HISTORY

Terracon, Senior Project Manager, 1993-present; Project Manager, 1988-1993

Twin City Testing Corporation, Project Manager, 1987-1988

Wisconsin Department of Natural Resources, Environmental Specialist, Water Supply Section 1979-1987

PROJECT EXPERIENCE (continued)

• **Multiple Agronomy Centers – Iowa and Wisconsin**

Completion of limited Phase I and Phase II site assessments at 56 sites as part of a property transfer. Terracon worked for both the buyer and seller. The assessment work was performed during the winter and was completed on time and under budget, despite adverse weather conditions. The Phase II assessment included the sampling and analysis of soil and groundwater for pesticides, fertilizer and petroleum.

• **Multi-site Property Acquisition – Agronomy Facilities**

Coordinated the due diligence work associated with the acquisition of over 500 properties in 30 states and four Canadian Provinces. The properties were active and closed retail agronomy centers. The Phase I site reconnaissance visits were completed over a three week timeframe. This required the coordination of up to 30 field people per day. Phase II assessments were also completed at 35 sites. Mr. Breitzman coordinated the efforts of the Terracon staff and the staff of three additional consulting firms which assisted Terracon. The entire Phase I and Phase II due diligence project was completed within 60 days.

• **Agricultural Cooperative – Johnson Creek, Wisconsin**

Assessment of soil and groundwater impacts associated with historical operating practices and a buried rinsate tank. Terracon performed soil sampling and analysis to determine the lateral and vertical extent of the nitrogen and pesticide impacts. A rinsate tank, which was buried beneath an existing building, was unearthed, cleaned and abandoned in place. Several thousand yards of soil was excavated and landspread on agricultural fields at agronomic rates. Groundwater monitoring wells and a groundwater extraction well were installed. The monitoring well network included shallow wells and deeper bedrock wells. Groundwater extraction is performed on a seasonal basis from the extraction well. The contaminated ground water is used as pesticide and fertilizer make-up water. This project has two clients and was the first multiple client site to receive reimbursement of remedial costs through the ACCP program.

• **Convenience Store – Rochester, Minnesota**

Assessment of soil and groundwater impacts involving leaking underground storage tanks (UST). Soil remediation included the excavation of 2,300 cubic yards of soil with treatment at an asphalt plant. The remaining remedial efforts involved installation of a groundwater and soil vapor extraction (SVE) system. The groundwater extraction system consisted of multiple small diameter wells which pumped at a low volume. The wells were also used for vapor extraction. The system effectively removed the free phase petroleum product and reduced the dissolved concentrations to acceptable levels.