



HYDROGEOLOGISTS ■ ENGINEERS ■ ENVIRONMENTAL SCIENTISTS

October 11, 2007

Mr. Dan Wietecha
City Administrator
City of Evansville
31 South Madison Street
Evansville, WI 53536

RE: Request for Proposal Response for Design Engineering for Dredging
Lake Leota, Evansville, Wisconsin

Dear Mr. Wietecha:

Liesch Environmental Services, Inc. (Liesch) is pleased to respond to your request for a proposal for the referenced project. Liesch has significant experience with dredging management projects here in Wisconsin. Thank you for taking the time to meet with Mike McCoy, Jake Krueger, and me to discuss the City's vision for Lake Leota.

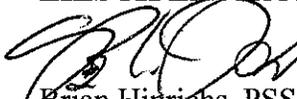
Liesch is known for high-quality professional services and effective advocacy of our client's interest, always working toward cost-effective solutions that meet their interests. We believe the reasons Liesch should be selected to assist the City of Evansville with your project include:

1. Experience planning and managing dredging projects and dealing with a full range of environmental and technical issues.
2. Significant experience working with state and local regulatory agencies on similar projects and successful resolution of concern.
3. Effective scheduling procedures and staff resources to ensure strict adherence to deadlines.
4. No conflict of interest associated with subcontractors. We identify the appropriate activities necessary for the project and that work is competitively let, assuring best pricing and scheduling.

Liesch would welcome the opportunity to present our proposal and approach to the City and the Save Our Lake Environment Committee. We look forward to the opportunity to assist the City in this endeavor. Please call me at 800-500-8980 if you have any questions. Thank you.

Sincerely,

LIESCH ENVIRONMENTAL SERVICES, INC.



Brian Hinrichs, PSS
Principal

K:\830\LakeLeota\Cvr Ltr.doc

www.liesch.com 



REQUEST FOR PROPOSAL RESPONSE FOR

LAKE LEOTA
DESIGN ENGINEERING FOR DREDGING
EVANSVILLE, WISCONSIN

PREPARED FOR:

CITY OF EVANSVILLE
31 SOUTH MADISON STREET
PO BOX 76
EVANSVILLE, WI 53536

MR. DAN WIETecha
CITY ADMINISTRATOR

OCTOBER 2007

Liesch Companies



*Hydrogeologists • Engineers • Environmental Scientists
Minneapolis, MN • Madison, WI • Scottsdale, AZ*

TABLE OF CONTENTS

	Page
1.0 INTRODUCTION	1
1.1 Project Understanding	1
2.0 PROJECT APPROACH.....	1
2.1 Scope of Work.....	2
2.2 Additional Services.....	4
3.0 ANTICIPATED COSTS	4
4.0 PLANNING SCHEDULE.....	5
5.0 COMPANY QUALIFICATIONS	5
5.1 Relevant Experience	5
6.0 PROJECT TEAM.....	9

TABLES

Table 1 – Anticipated Costs

APPENDICES

Appendix A – References

Appendix B – Résumés

1.0 INTRODUCTION

Liesch Environmental Services, Inc. (Liesch) is a full-service environmental consulting firm with nearly 40 years of experience providing clients a wide variety of engineering solutions to environmental issues. Our staff consists of over 70 professionals in a wide variety of specialties resulting in a multi-disciplined pool of experts to meet the needs of each project. Liesch's personnel work closely with the client, regulators and the public to ensure that each project is conducted in accordance with the client needs and state and federal regulations.

1.1 Project Understanding

Liesch understands that the City of Evansville wishes to contract engineering design services to dredge Lake Leota. Allen Creek, the primary feeder for the lake draws from a 21-square mile watershed of primarily agricultural land. Sedimentation from Allen Creek has filled Lake Leota such that its depth is currently approximately 18 inches. We understand that the lake was drained in 2005 and is now ready to have the sediment removed.

2.0 PROJECT APPROACH

The project approach is outlined in the nine (9) task descriptions below. In general, it includes review of available documents to gain as full an understanding as possible of the hydrologic and geologic site conditions. We will want to review previous construction documents (if any), soil borings and stream flow records. Watershed area, topography and cover will be used to estimate runoff conditions that may be encountered during sediment removal. Sediment volume, soil classification, water table elevations will be determined to enable assessment of alternative sediment removal methodologies and appropriate shoreline restoration options. A very important segment of the project will be identifying the least costly alternative for sediment disposal, the aspect of the project that has the most potential to enhance the project and conserve costs. A preliminary engineer's cost estimate will be prepared using the recommended alternatives and the City of Evansville will have the opportunity to make a go/no-go decision on the preparation of plans and specifications and proceeding with the remainder of the project. Provided the City wants to proceed, Liesch will prepare design plans and technical specifications suitable for inclusion in construction contract documents, identify all regulatory and permit requirements, make recommendations for single-phase vs. multi-phase construction and the preferred construction schedule, and prepare a final engineer's construction cost estimate for the entire project. The work does not include preparation of the actual bidding documents, solicitation of contractor bids, a pre-bid conference with prospective contractors, or other construction contract procurement activities.

2.1 Scope of Work

The scope of work will include all the items delineated the City of Evansville Request for Proposals, specifically including:

- Engineered plans for sediment removal,
- Sediment removal calculations,
- Recommended sediment removal methodology,
- Identification of suitable locations sediment re-use or disposal,
- Determination of permits and permit fees required for the project,
- Project costs estimate,
- Recommend vegetative shoreline restoration and stabilization options,
- Estimate the construction timeline and recommended schedule,
- Identify special contractor qualifications, if any, and
- Present this information to the Public Works Committee for approval.

The work plan and cost estimate have been divided into the following tasks:

Task 1 – Data Collection and Review. Liesch will collect all available data on the history of the lake, existing soil conditions, original construction drawings, watershed data, and other information that will assist in understanding existing conditions and conditions to be encountered during the removal of site sediments.

Task 2 – Survey Existing Conditions. Liesch will prepare a topographic survey of Lake Leota in its current dewatered state to determine the exact elevation of the top of sediment in all areas. We will only work in the area south of the existing railroad bridge. We will also accurately delineate the creek channels in the dewatered portion of the lake.

Task 3 – Collect Geotechnical Borings in Lake Leota. Liesch will select and hire a qualified subcontractor to perform soil borings throughout the dewatered lakebed. We will determine depth of sediments, type and grain size of sediment materials to be removed and existing groundwater elevations in the sediment. It is anticipated that an all-terrain drilling rig will be necessary to perform this work. Drilling will be performed to the interface of the original lakebed. Liesch will be present during all drilling operations to collect and observe sediment samples. PVC piezometers will be installed to monitor water levels on an ongoing basis. Boring locations and piezometer locations will be incorporated into the existing conditions drawings.

Task 4 – Evaluate and Recommend the Preferred Dredging/Excavation Method. Based on the data collected in *Tasks 1 through 3*, Liesch will evaluate alternative dredging/excavation methods and recommend the most suitable and economical method for removing the lakebed

sediments. It is anticipated that a high water table will be encountered throughout Lake Leota. Portions of the lake are fed by springs and there will continue to be flow from Allen Creek. Methods for controlling surface water and dewatering sediments during dredging and excavation will be analyzed and included in the design for this project. A well-engineered dewatering system will be a critical part of this project.

Task 5 – Evaluate and Recommend Preferred Sediment Disposal Alternative. Liesch will analyze potential areas and methods for sediment disposal. It is our understanding that an adjacent property owner has agreed to allow access to the lake through his property and has tentatively agreed to the disposal of sediment on portions of his property. The closeness of the disposal areas to Lake Leota is one of the key factors in managing the overall construction costs of this project. We have reviewed the chemical analysis of five (5) sediment samples collected from the lake (Strand, 2004) and the correspondence from the Wisconsin DNR indicating no additional sampling or analyses is required to apply for a dredging permit. Based on this information, we assume the dredged materials can be land applied in non-wetland areas.

Liesch also will evaluate the possibility of depositing dredged sediments in the northern portion of Lake Leota near the inflow from Allen Creek. This option would include building peninsulas and/or jetties in the upper portion of the lake, creating forebay areas to act as sediment traps, keeping sediments out of the lower portion of Lake Leota. This alternative would result in a smaller deepened portion of Lake Leota, but may have the benefit of creating a useable portion of the lake that will have a lower rate of sediment collection and a smaller, more accessible area for future sediment removal maintenance. This alternative would have lower overall construction costs since sediments will be managed on-site, minimizing transport and hauling costs. Peninsulas could be designed to provide aesthetic qualities and public use areas. This alternative could prove to have significant regulatory limitations which may render it non feasible.

As discussed above, disposal/reuse of the sediment is key to keeping construction costs down. Emphasis will be placed on shortening sediment transport distances and eliminating the double handling of materials.

Task 6 – Prepare Preliminary Construction Cost Estimate. Liesch will prepare a preliminary engineer's estimate for the project using the recommended dredge/excavation method and sediment disposal alternative identified in *Task 4* and *Task 5*. This information will be presented to the City of Evansville to make certain the City wants to proceed with the preparation of plans and specifications, and that it wants to proceed using the recommended methodology and sediment disposal alternative.

Task 7 – Prepare Plans and Specifications. Liesch will prepare plans and specifications for the selected alternative to be used as part of the bidding documents. We will include recommended restoration design and native plantings as appropriate. We will also outline necessary technical and special requirements for potential contractors to perform the dredging. These documents will cover the technical components of the project only, and not include general conditions and “boilerplate” specifications necessary for putting the project out to bid. These documents will also be used to determine all regulatory permits and fees that will be required to complete the project.

Task 8 – Identify Regulatory and Permit Requirements. Liesch will use the engineered plans and specifications to determine all regulatory permits that may be required by the Wisconsin DNR, Rock County, other state agencies, and local authorities as applicable. Although the majority of the information required for permit applications should be assembled and included in the plans and specifications, additional sediment collection and chemical analyses may be required which are not part of the scope of this proposal. The DNR may also require a wetland delineation and/or and environmental assessment, which also are not included in this proposal.

Task 9 – Prepare Final Cost Estimate and Project Schedule. Liesch will prepare a final cost estimate and project schedule for the sediment removal project as designed in *Tasks 1 through 7*. This estimate and schedule will include any additional engineering and testing costs associated with the regulatory analyses identified in *Task 8* and give a timeline for permit approval. It will provide an engineer’s opinion of probable cost for the entire project along with proposed construction schedule. The opinion of probable cost will be broken down by unit rates and will identify total earthwork quantities. Liesch will also make recommendations concerning the most advantageous time to bid the project and whether the construction should be broken into more than one bid package and phases over more than one year.

2.2 Additional Services

Liesch will only conduct the tasks necessary to complete the work outlined above and will notify the City immediately if changes in the work plan are expected. The proposal and estimate are subject to revision should the services be redefined or should additional services or alternative reports be requested. Liesch is prepared to supply additional services as required and pre-approved by the City of Evansville. We have standard change orders or will follow the City of Evansville’s change order process if you desire.

3.0 ANTICIPATED COSTS

We have prepared a summary of anticipated costs for this project outlined by task. Please see the attached **Cost Table**.

4.0 PLANNING SCHEDULE

Liesch understands and will comply with the City request to complete the entire Scope of Work January 31, 2008. Below is our anticipated calendar of task activities.

<u>Activity</u>	<u>Begin</u>	<u>End</u>
Task 1	November 1, 2007	November 9, 2007
Task 2	November 1, 2007	November 9, 2007
Task 3	November 12, 2007	November 21, 2007
Task 4	November 26, 2007	November 29, 2007
Task 5	December 3, 2007	December 13, 2007
Task 6	December 17, 2007	December 21, 2007
Task 7	January 2, 2008	January 18, 2008
Task 8	January 2, 2008	January 18, 2008
Task 9	January 7, 2008	January 31, 2008

5.0 COMPANY QUALIFICATIONS

Established in 1968 by Bruce A. Liesch, the Liesch Companies began as a small groundwater consulting firm dedicated to quality service. Decades later, we have maintained that dedication to outstanding service as we have grown into a full-service environmental consulting and engineering firm providing services nationwide to an ever expanding base of diverse clients. We are committed to providing our clients with timely answers and quality solutions to their environmental challenges

Today, Liesch provides services nationwide from our offices in Madison and Milwaukee, Wisconsin; Minneapolis, Minnesota; Chicago, Illinois; Phoenix, Arizona; and Los Angeles, California. Our staff includes professional civil, environmental and chemical engineers, professional geologists, hydrogeologists, industrial hygiene specialists, certified hazardous materials managers, environmental scientists, water resource scientists, wetland scientists, soil scientists, and computer specialists. You will find our references in **Appendix A**.

5.1 Relevant Experience

Liesch offers a complete range of services to clients from feasibility studies permitting, planning to construction management. Our personnel have extensive experience working with clients, the public, regulatory agencies, and subcontractors to complete projects with a minimum of inconvenience. We coordinate projects from preliminary planning to mobilization to project completion assuring the job gets done as designed, on time and within budget. Examples of such projects in Wisconsin are:

Delavan Lake, Walworth County

Dredging, 2004 to present

Liesch was retained by the Town of Delavan to oversee a multi-tiered dredging project involving several sites. To initiate this project Liesch conducted sediment profiling, sampling, and analyses. The project includes a cost-allocation study to assist the Town in assessing project costs equitably. Additionally, an Environmental Assessment was conducted as a condition of permitting the removal of material from a navigable channel under Chapter 30, Wisconsin Statutes. Liesch has been attending public meetings to keep officials and public informed about the project.

The Delavan Lake Brown's Channel Dredge Project, located at the south end of the lake, involved deepening the channel to make the boat traffic fully navigable again. The project required an assessment of upstream sources, recommendations for reducing upstream soil erosion, sampling and analysis of sediments for potential contamination, estimating the quantity of sediment to be removed, and cost estimates for dredging. Liesch developed contractor bid specifications, secured the appropriate permits, conducted bid oversight, and performed resident engineering. Geotextile tubes were utilized during the hydraulic dredging process, making the process very efficient and also creating discharge water with very minimal sediment. In addition, Liesch coordinated efforts for incorporating dredged sediments into local farm fields to provide an economic and green reuse of the material. The dredging for this project was completed in January 2007 and the final landspreading of dredged materials was completed this past summer.

The Delavan Lake Mound's Road Project is in progress. This project includes removal of accumulated sediments from sediment basins upstream of the lake. The project also includes the deepening and enhancement of the sediment basins to increase sediment removal efficiency. The dredging and sediment disposal/reuse under this project are similar to the Brown's Channel Project, with the exception that both hydraulic and mechanical dredging are being used to remove the sediment. The majority of the dredged sediments are being deposited on-site to minimize costs and provide an enhanced wetland park environment. The Mound Road wetland complex is a critical component of the Delavan Lake water quality improvement program.

The Delavan Inlet project, planned for the north end of the lake, is proposed to remove sediment from the lake's main tributary to restore recreational and ecological conditions existing prior to sediment accumulation from urban and agricultural sources. This project will require sampling, analysis, and measurement of sediment to be removed to assess potential for contamination, assisting the Town in determining the appropriate extent of dredging to provide optimum benefits cost-effectively, and develop cost estimates for the entire project. Subsequent work will include design plans and specifications, bidding assistance, and construction oversight provided this work is approved.

Inland Seawall, Dane County

Seawall / Pier Renovation and Dredging, 2006 - present

The objective of the seawall project is to replace the existing seawall, upgrade the pier design, and construct a new stormwater outfall. In support of this project Liesch has worked with city and state regulatory agencies, the owner, the management company and the lessee to prepare permits, assist with financing opportunities, and handle other factors affecting the project. We have prepared shoreline improvement options for the site, prepared a permit variance request, and are working with the yacht club and the WDNR to bring the piers into compliance with current regulations.

Liesch has completed the design of a conceptual plan for replacement of the existing seawall and piers, based in part on riverbed characteristics, regulatory requirements, and funding availability. In support of this, Liesch conducted two soil borings, 30 feet deep, located adjacent to the existing seawall for structural design review. Dredging of the river at this location, deepening the channel to accommodate larger boats, is scheduled to begin mid-October with construction of the seawall to begin yet this year after dredging completion.

Lake Como, Walworth County

Boat Launch Renovation and Storm Sewer Improvements, 2004 - 2006

Liesch prepared and submitted a WDNR Waterways Commission grant on behalf of the Town of Geneva to rebuild and upgrade the existing boat launch on the north shore of Lake Como. The grant was awarded and the pre-existing boat ramp was replaced using precast concrete planks and a new 65-foot moveable pier. In addition, restroom facilities were constructed and an expanded parking lot was built. New storm sewers with a grit separator at the discharge point were installed to control stormwater runoff from the new and existing parking lot. Liesch is also preparing a second Waterways Commission grant for the Town of Geneva to upgrade a boat launch on the south shore of Lake Como.

5.1.1 Additional Related Project Experience

Waterville Lake, Waukesha County, Sampling & Analyses (2003 – 2004)

Initially, this project involved sediment and supernate sampling and analyses to prepare for dredging sediment at the mouth of a small stream entering the lake. The project began with sampling through the ice in December 2003 and continued with additional sampling in July 2004. Currently Liesch is conducting a sounding survey to determine depth to soft sediment, collecting sediment samples to determine soft sediment composition, collecting water samples to determine water chemistry and conducting a visual assessment of potential upstream sources of nutrients and sediments from Scuppernong Creek, a feeder creek to Waterville Lake. In addition we are preparing a watershed analysis on Scuppernong Creek to identify potential sources of sediment and nutrient sources to the lake.

Lakeside Marina, Green Bay, Wisconsin – Dredging Permit Application (2000)

Liesch was retained by a boat marina to coordinate the permitting process required to remove accumulated sediment from the marina harbor. A combination of sediment accumulation and low water levels threatened to restrict marina access to most boats. Liesch sampled the sediment for PCBs to ensure appropriate removal, transportation and disposal (landfill) procedures were followed. Liesch obtained all necessary permits and approvals so dredging activities could be completed prior to the spring spawning season and before the start of the boating season.

Wisconsin Dells, Wisconsin – WDNR Excavation and Dredging (2001)

Liesch was retained by the WDNR to coordinate the investigation and remediation of an unlicensed landfill located near Crandall's Bay in Wisconsin Dells. Liesch worked with the Army Corps of Engineers and the WDNR to obtain necessary dredging approvals and develop a soil erosion control plan to minimize impacts to the Bay. Liesch supervised the installation of silt fences and landfill excavation activities to further ensure impacts to the Bay were minimal.

Wild Rose Fish Hatchery - Design/Feasibility Study/Construction Management (2002 to present)

Liesch was retained by WDOA and WDNR to evaluate the existing fish rearing water supply system and to evaluate and develop solutions to bring the water supply at the 275-acre Wild Rose Fish Hatchery into compliance with WDNR code. The study made recommendations to upgrade the facility, address pressing maintenance issues at the facility and ensuring that the Fisheries Management Division's statewide stocking goals are met. Recommended upgrades and modifications are being implemented while the facility remains fully operational. Liesch is serving as project manager for all fish hatchery upgrade activities and is coordinating facility investigations, design requirements, time frames, and budget requests with WDNR, WDOA, Fish Pro (hatchery design firm) and several other subcontractors including surveyors and laboratories.

6.0 PROJECT TEAM

Quality is a primary focus at Liesch, from the beginning of a project to the final document output. To that end, at the beginning of a project, we develop a project team of the appropriate technical staff to meet the client's project needs.

Our staff offers a combination of technical discipline in water resources, application of environmental policy, and experience with public projects. Our project managers are knowledgeable of the various regulations, codes, and programs established by the WDNR and USEPA. The project approach and scope of work is developed with input from all key members. This provides certainty that all appropriate information will be collected during the initial phase of a project. Our key staff résumés can be found in **Appendix B**.

Harry (Hal) Summitt will serve as the Senior Project Principal. Mr. Summitt will be responsible for overall project management review and QA/QC of peer documents. (2% project activities)

Brian Hinrichs will serve as Project Principal, responsible for project management and City and regulatory agency liaison. (3% project activities)

Mike McCoy, as Senior Project Engineer, will coordinate the work of the engineering staff in evaluating and designing project activities, evaluating project alternatives, and writing project specifications. (17% project activities)

Josh Davenport, as Staff Engineer, will evaluate project alternatives, write project specifications, prescreen qualified contractors, and coordinate and supervise field activities. (50% project activities)

Liesch has a number of technicians who will be available to assist with the on-site support tasks. Jacob (Jake) Krueger will be the primary field technician and will perform on-site surveying, oversight of drilling activities, and act as an on-site representative. (30% project activities)

K:\830\LakeLeota\RFP_dredge.doc

Anticipated Costs

**Lake Leota Dredging Design Engineering
City of Evansville, Wisconsin**

LIESCH PROFESSIONAL FEES

Task/Activity	Principal Manager	Project Manager	Sr. Project Engineer	Project Engineer	Field Technician	Admin	Total
<i>Task 1</i>							
Data Collection & Review	\$165	\$130	\$150	\$80	\$70	\$60	\$1,240.00
			4	8			
<i>Task 2</i>							
Topographic Survey of Lake			1	24	24		\$3,750.00
<i>Task 3</i>							
Coordinate Geotechnical Borings			2	6			\$780.00
Conduct On-site Observation of Drilling				4	32		\$2,560.00
<i>Task 4</i>							
Determine Dredging Method Option	2		16	32			\$5,290.00
<i>Task 5</i>							
Determine Sediment Disposal Alternatives	2	4	16	24			\$5,170.00
<i>Task 6</i>							
Preliminary Construction Cost Estimate [Go/No-Go]	1		6	20			\$2,665.00
<i>Task 7</i>							
Prepare Plans & Specifications	2	4	12	40	24	4	\$7,770.00
<i>Task 8</i>							
Determine Regulatory & Permit Requirements		2	2	16	16		\$2,960.00
<i>Task 9</i>							
Prepare Final Cost Estimate & Project Schedule	2	4	8	16	4	4	\$3,850.00
Total Liesch Professional Hours and Fees:	9	14	67	190	100	8	\$36,035.00

Anticipated Costs
 Lake Leota Dredging Design Engineering
 City of Evansville, Wisconsin

	quantity	\$/item	unit	
LIESCH DIRECT COSTS				
Mileage (4 Trips)	80	\$0.65	mile	\$52.00
Equipment (Total Station)	1	\$250.00	day	\$250.00
Per Diem	2	\$20.00	day	\$40.00
Total Liesch Direct Costs:				\$342.00

SUBCONTRACTOR COSTS

Task 2

Geotechnical Drilling Rig	1		lump sum	\$8,000.00
Subtotal Subcontractor cost:				\$8,000.00
Liesch Administrative fee:				\$800.00
Total Subcontractor Costs:				\$8,800.00

TOTAL DESIGN ENGINEERING PROJECT COSTS:

\$45,177.00

Appendix A

References

Delavan Lake Project
Mr. James Wolfgram
Supervisor, Town Board
Committee Chair, Delavan Lake Committee
Delavan Town Hall
5621 Town Hall Road
Delavan, WI 53115
Phone: 262-728-3471

Inland Seawall Project
Mr. Mark Ertel
Commodore
Four Lakes Yacht Club
6312 Metropolitan Lane
Madison, WI 53713
Phone: 608-222-1401

Lake Como Project
Mr. Bob Kramer
Board Member, Sanitary District
President, Lake Como Beach Property Owner's Association
N3233 Larch Road
Lake Geneva, WI 53157
Phone: 262-248-0487

Appendix B

Résumés

HARRY L. SUMMITT, PE

PROJECT MANAGER/PRINCIPAL ENGINEER

EDUCATION

1984, University of Minnesota, Minneapolis/St. Paul, Minnesota
MBA with emphasis in Finance
1974, Iowa State University, Ames, Iowa
B.S. / Civil Engineering

REGISTRATIONS/CERTIFICATIONS

Professional Engineer, MN, WI, IA

PROFESSIONAL MEMBERSHIPS

American Society of Civil Engineers, National Solid Waste Management Association,
American Association of Airport Executives

SELECTED PROFESSIONAL EXPERIENCE

- A Principal at Liesch with over 30-years of experience.
- Extensive experience with environmental investigations and supervision of the design and construction of storm water control facilities at the Minneapolis/St. Paul International Airport.
- As a project manager, responsibilities include contract administration, construction supervision, administration and oversight of tasks, and project scheduling.

Water Quality: Twenty-five (25) years of working with the Metropolitan Airports Commission on water quality issues. This work includes preparation of environmental impact analyses, design and construction administration of the network of storm water treatment facilities, NPDES permitting and permit compliance assistance. Recent efforts have been related to the investigation, design, construction and operation of facilities required to meet more stringent NPDES permit requirements for water systems at MSP.

Solid Waste: Involved in the preparation of expansion and closure plans for the upper midwest landfills, solid waste management plans, feasibility studies, pilot scale studies and vendor evaluations for solid waste processing facilities; review of Waste Management Board applications; landfill siting evaluation, design and construction administration; re-permitting; ash landfill design and permitting, and transfer station network evaluation design and construction.

Industrial Waste: Executes the preparation of pre-treatment feasibility studies for industries generating hazardous waste. In addition, has developed discharge monitoring programs and played an integral role in facility permitting and co-disposal permitting. Provides planning, design, construction administration and operational oversight of system to collect and manage industrial discharges of aircraft and ground surface deicing materials.

Tanks/Spills: Responsible for oversight of leak detection testing, tank removal, remedial investigation and remedial actions. Coordinates tank inventory and regulatory compliance assistance and prepares facility SPCCPs.

HARRY L. SUMMITT, PE

Hazardous Waste: Preparation of RCRA Part B Permit applications for hazardous waste facilities, Closure Plans for hazardous waste storage facilities, and UST notifications. Designed spill control and countermeasure plans for hazardous waste disposal facilities. Conducts remedial investigations of contaminated sites and coordinates emergency response actions for clean-up. Conducts environmental audits and pre-purchase assessment for commercial/industrial properties.

Environmental: Conducts permitting studies, Environmental Impact Assessments and EAWs for facilities representing a potential risk to the environment, and conducts portions of EISs for major projects..

Municipal: Designs municipal water wells, and storm and sanitary sewer systems. Provides water supply studies and conservation plans for municipalities.

PATENTS AND PUBLICATIONS

- 1996 "Spent Aircraft De-icer Fluid Containment and Management", presented at the Waste Engineering Conference, April 8, 1996, University of Minnesota.
- 1995 "A Cooperative Approach to Resolving Surface Water Impacts Associated with Airport Operations", National Symposium on Aviation Environmental Management", June 28, 1995, American Association of Airport Executives.
- 1995 Featured on the first installment of Airport Marketplace, a technical and informational transfer forum sponsored by the American Association of Airport Executives and broadcast world-wide via satellite to member airports.
- 1995 "Control of Storm Water Discharges from the MSP Airport", March 22, 1995, 58th Annual Minnesota Wastewater Operations Seminar, Minnesota Pollution Control Agency.
- 1992 "Storm Water Regulations: A Summary of Requirements for Minnesota Industries", presented at the Fundamentals of Minnesota Environmental Law Compliance Course, September 16, 1992, Government Institutes, Inc.

BRIAN L. HINRICHS, PSS

PROJECT PRINCIPAL

EDUCATION

University of Wisconsin, Madison, Wisconsin
B.S. / Soil Science

REGISTRATIONS/CERTIFICATIONS

State of Wisconsin Registered Professional Soil Scientist
State of Wisconsin COMM Certified Site Assessor
State of Wisconsin Registered PECFA Consultant
University of Wisconsin Madison 40-hr Certification: OSHA Health and Safety

PROFESSIONAL MEMBERSHIPS

Member of the National Groundwater Association; Science Professionals

SELECTED PROFESSIONAL EXPERIENCE

- Responsibilities include: project manager for agricultural chemical assessment and remediation projects, hazardous waste assessment and remediation projects; phase I, II and III environmental site assessments and soil and groundwater remediation projects; preparation of technical reports; QA/QC of peer reports; regulatory agency liaison; and contractor prequalification.
- Acts as project manager and senior technical staff for investigation and remediation at hazardous substance and petroleum release sites and solid waste disposal facilities. Coordinates the work of the engineering staff in the evaluation and design/implementation of remedial actions.
- Has over 13 years of experience as an environmental scientist and project manager.

WDOT Phase I, Phase II, Phase III, Phase IV Wetland Mitigation, Sanitary Rest Area (SRA) Waste System Siting and Evaluation: Coordinated and performed Phase I – Phase IV investigations at several sites throughout Wisconsin. Performed investigations and implementation plans for WDOT wetland mitigation at several sites in southern Wisconsin. Performed evaluations and siting of on-site wastewater systems at several SRAs throughout Wisconsin.

Petroleum Releases: Coordinates and completes investigations and remediation of petroleum releases from UST/AST in upper Midwest. Projects have ranged from small single retail stations to bulk fueling facilities. Coordinates work of engineering staff to develop cost-effective solutions to release. Represents clients with regulatory agencies. Works through reimbursement programs to maximize client recovery.

BRIAN L. HINRICHS, PSS

Hazardous Substance Releases: Coordinates and completes investigations and response actions at sites associated with releases of hazardous substances. Represents clients with regulatory agencies, negotiating scope of necessary responses at sites. Chemicals at issue in both soils and groundwater have included chlorinated organics, semi-volatile organics, PCBs, dioxins, wood treating chemicals, and heavy metals.

Agri-Chemical Releases: Assists clients with agri-chemical releases to soils and groundwater. Coordinates and completes investigations, negotiates response actions and oversees implementation. Works through reimbursement programs to maximize client reimbursement.

Litigation Support: Works with legal counsel and their clients in support of potential/actual litigated matters. Roles include prime consultant for client, 3rd party review, and expert witness.

Wood Treating Sites: Works with current and former wood treating facilities to complete investigation and remediation of releases of wood treating compounds. Negotiate reasonable responses to releases of wood treating chemicals. Work with clients to upgrade facilities as required by regulations. Wood treating chemicals have included pentachlorophenol, chromated copper arsenate, creosote, and fire retardants.

PRESENTATIONS

“Onsite Bio-cells and Landspreading, an Economical Alternative for Government Entities.” Presented at the Wisconsin Association of Public Works Directors, Madison, Wisconsin.

“Spill Prevention Control & Countermeasure Plans, an Overview.” Presented to the University of Wisconsin Madison Engineering Professional Development Certified Hazardous Materials Management Course, Madison, Wisconsin.

MIKE MCCOY, PE

CIVIL ENGINEER

EDUCATION

1978, University of Illinois, Urbana-Champaign, Illinois
B.S. / Civil Engineering

REGISTRATIONS/CERTIFICATIONS

Registered Professional Engineer, IL
Registered Water Well and Pump Installation Contractor, IL

SELECTED PROFESSIONAL EXPERIENCE

- Commercial Development
- Brownfield Redevelopment
- Design, Construction, Start-up
- Construction Supervision
- Construction Design
- Expert Testimony
- Water Supply Project Management
- Wastewater Permitting
- Groundwater Analysis
- Remediation and Test Drilling Supervision
- Solid Waste Plan Management
- Floodplain Project Management
- Wetland Protection, Development
- Environmental Assessment

PUBLICATIONS AND PRESENTATIONS

National Farmland Protection Conference
National American Planning Association
Greater Metropolitan Atlanta Government Consortium

AWARDS

Friend of Agriculture – Kane County Farm Bureau
Statesman of the Year – Local 150 Operating Engineers
Preservation Partnership Award – Preservation Partners of Kane County
The Richard H. Driehaus Foundation Preservation Award, Outstanding
Leadership
The Brooks McCormick Environmental Award – IEPA
Merit Award – Consulting Engineers Council of Illinois, Fox River Bridge
Project
Technical Innovation Award – American Public Works Association, Kane
County Stormwater Ordinance
Special Achievement Award – Consulting Engineers Council of Illinois,
Peck/Keslinger Grade Separation
Lifetime Achievement Award – Quad County Urban League

JOSHUA DAVENPORT

STAFF ENGINEER

EDUCATION

2004, Milwaukee School of Engineering, Milwaukee, WI
M.S. / Environmental Engineering
2004, Milwaukee School of Engineering, Milwaukee, WI
B.S. / Architectural Engineering

SPECIALIZED TECHNICAL TRAINING

EIT Certification
OSHA 40-Hour HAZWOPER Certification
HVAC and Plumbing Systems Design
Water Resource Management and Analysis
Industrial / Municipal Wastewater Treatment

SELECTED PROFESSIONAL EXPERIENCE

- Performs industrial wastewater treatment system design and layout.
- Performs engineering design, WDNR and regulatory permitting, construction bidding, and construction oversight for dredging projects.
- Performs stormwater and watershed analysis, design, and modeling.
- Performs WDNR and other necessary regulatory permitting for various environmental projects.
- Site redevelopment project management.
- Performs sanitary and storm sewer design and layout.
- Performs air emissions permit compliance and air emissions inventory.
- Performs landfill monitoring and maintenance at the Refuse Hideaway Landfill.
- Has technical documentation experience in writing reports for compliance with Wisconsin DNR, environmental construction plans and cost estimates.
- Interprets analytical analysis of groundwater, surface water, soil, and solid waste.
- Performs Environmental and Construction Oversight.

JACOB KRUEGER

PROJECT MANAGER / SOIL SCIENTIST

EDUCATION

2004, University of Wisconsin, Madison
B.S. / Natural Resources, Soil Science and Recreation Resource Management

SPECIALIZED TECHNICAL TRAINING

Army Corps of Engineers Wetland Delineation Management and Training
Wetland Plant Identification Training
NIOSH 582 Asbestos Air Sampling Training

REGISTRATIONS/CERTIFICATIONS

State of Wisconsin Certified Soil Tester
Certified Site Assessor, Wisconsin # 974484
State of Wisconsin Registered PECFA Consultant
OSHA 40-Hour HAZWOPER Certification
Building Services
State of Wisconsin Certified Asbestos Building Inspector
State of Indiana Certified Asbestos Building Inspector
State of Illinois Certified Asbestos Building Inspector

SELECTED PROFESSIONAL EXPERIENCE

- Areas of specialty include performing and managing Wetland Delineations, Wetland Functional Assessments, Aquatic Plant Surveys, Asbestos Building Inspections, Environmental Grant Writing, Stormwater Management Planning, Phase I and II Environmental, Soil Evaluations, Site Assessments and Remediation field investigations; and soil and groundwater sample collection.
- Designs wetland scrapes, soil stabilization structures, and water treatment devices.
- Interprets analytical analysis of groundwater, surface water, soil, and solid waste.
- Performs Environmental and Construction Oversight.
- Has technical documentation experience in writing reports for compliance with Wisconsin DNR, environmental construction plans and cost estimates.