

**Education**

*M.S. Civil Engineering  
University of Illinois,  
Champaign, Illinois*

*B.S. Civil Engineering  
Michigan State University,  
East Lansing, Michigan*

**Certifications**

*SWANA Certified  
Composting Systems  
Manager  
2012*

*Midwest Composting  
School, Bloomington,  
Illinois,  
2011*

*LEED AP – 2009*

*Certified Professional in  
Erosion and Sediment  
Control,  
2000 to Present*

*OSHA 40-hour  
HAZWOPER Training,  
1987*

*Registered Professional  
Engineer in Indiana,  
1985 to Present*

*Registered Professional  
Engineer in Illinois,  
1980 to Present*

**Languages**

*English*

**Address:**

*1122 North Clark Street  
#3803  
Chicago, IL 60610  
(630) 362-4287*

**TECHNICAL SPECIALIST AND PROJECT MANAGER**

Providing a combination of technical expertise and demonstrated ability to support projects for small and medium size waste disposal, recycling and composting companies.

**Employment History**

***Illinois State Water Survey – Champaign, Illinois***  
*Associate Engineer (1975 to 1983)*

Developed a repository of technical information for Illinois rivers to use as a retrievable resource in order to assist municipalities, consultants, planners and developers with proper use of floodplain areas.

***ATEC Associates – Indianapolis, Indiana***  
*Project Engineer (1983 to 1987)*

Spearheaded geotechnical and grading plan design plans for reclamation of abandoned coal mines. Increased department revenue by marketing permit work, along with established drilling services, to private and public landfill clients.

***EMCON – Indianapolis, Indiana & Lisle, Illinois***  
*Project Engineer and Department Manager (1987 to 1995)*

Built engineering department of satellite offices into a full-service team capable of managing diverse projects for private and public solid waste clients in Indianapolis, Indiana and Chicago, Illinois.

***Foth Associates – Lisle, Illinois***  
*Senior Project Manager (1995 to 1998)*

Satellite office manager and client liaison for key public sector solid waste clients who required engineering services for construction quality assurance and end use planning of closed landfills.

***Andrews Environmental Engineering, Inc – Naperville, Illinois***  
*Senior Project Manager/Office Director (1998 to 2007)*

Managed satellite office and key clients for a medium size engineering company. Increased revenue from a large landfill disposal and compost recycling company in the Chicago metro region. Drove increase in sales and services provided to the largest disposal facility of a national solid waste company. Augmented company profile by serving as a board member and officer for the local chapter of a national solid waste association that promotes education and training for waste recycling and disposal alternatives. Participation in the organization has created relationships with public and private sector individuals who provide services to the waste disposal and recycling industry.

***Golder Associates, Inc. – Woodridge, Illinois***  
*Senior Consultant (2007 to 2009)*

Added a Chicago metro presence for a national and global engineering firm by successfully marketing services to a network of industry contacts. Office grew from one person to seven in two years.

***JPL Environmental Engineering, Inc. – Chicago, Illinois***  
*President (2009 to present)*

Project facilitator to assist clients initiating permits for facilities to manage municipal solid waste, construction and demolition debris, landscape waste and food scrap in Northeast Illinois. Optimize use of public and private sector network of industry contacts to identify and develop project opportunities. Recent projects include a permit application for; a leaf mulch compost facility; landscape waste compost facility; landscape waste transfer station; and a clean construction and demolition debris disposal facility.

## **PROJECT EXPERIENCE – LOCAL SITING AND TESTIMONY**

<b>4837 South Kedzie, LLC</b>	Prepared the Facility Need Assessment Report for Criteria (a) of Chicago Zoning Ordinance Section 17-13-0905 for a municipal solid waste transfer station. Application was approved by the city zoning and building committee
<b>Stockyard Materials Chicago, IL</b>	Prepared the Facility Need Assessment Report for Criteria (a) of Chicago Zoning Ordinance Section 17-13-0905 for a re-processable construction and demolition material facility. Application approved by the city zoning and building committee.
<b>Patriot Acres, LLC Glenview, IL</b>	Special use application prepared for an organic materials recycling facility under the existing industrial zoning. Testimony provided before Cook County zoning and land use committee and project was unanimously approved.
<b>Markham Transfer and Recycling Markham, Illinois</b>	Prepared an application for local siting approval for each of the nine siting criteria to demonstrate need for the project and to explain the design and operation of a transfer station to process and recycle street sweepings for beneficial use.
<b>Knox County Landfill Knox County, IL</b>	A needs assessment report was prepared to support expansion of an existing landfill. Application was approved by the county board.
<b>Plano Transfer Station Plano, IL</b>	Completed the needs assessment study and provided testimony at the local siting hearing for a new transfer station. Application approved by city council.
<b>McClellan County Landfill Bloomington/McClellan County, Illinois</b>	Prepared the Needs Assessment, Land Use Compatibility, and Solid Waste Plan Consistency sections of a local siting application for a 10-acre horizontal and vertical expansion to an existing landfill that increased disposal capacity by 1.8 million cubic yards. Coordinated exhibits and testified at the public hearing for these three criteria.
<b>Buster Sanitation/Area Disposal Jacksonville, Illinois</b>	Needs Assessment and Solid Waste Plan Consistency sections of a local siting application were prepared, and testimony was provided, for a municipal solid waste transfer station in Jacksonville, Illinois. The proposed facility accepts approximately 100 tons per day from a primary service area covering three counties in central Illinois.
<b>Upper Rock Island County Landfill East Moline, Illinois</b>	Sections of a local siting approval application were prepared for all nine criteria to support of an expansion project that increased the disposal capacity of the facility by two million cubic yards. Testimony was provided for all nine criteria.
<b>Greater Egypt Regional Landfill Perry County, Illinois</b>	Prepared Needs Assessment and Floodplain sections of a local siting application for a greenfield landfill site. Testimony was provided at the public hearings before the county board to gain approval of the application.

**Willowhill Landfill**  
Kendall County, Illinois

Performed stormwater design plan for a proposed landfill as part of a local siting application. Prepared exhibits and provided testimony before county board members during the hearings.

## PROJECT EXPERIENCE – ORGANIC WASTE FACILITIES

**Kramer Tree Specialist,  
Leaf Mulch Facility**  
West Chicago, Illinois

Prepared a leaf mulch production facility permit application following the Illinois Section 830 Composting Rules at the client's existing property.

**Garden Prairie  
Organics, Landscape  
Waste Compost  
Facility**  
Boone County, Illinois

Assisted client to obtain a special use permit from Boone County, and prepared a twenty-five acre landscape and garden waste compost facility permit application that was approved by the Illinois Environmental Protection Agency (EPA). Developed construction plans and specifications for facility construction.

**Markham Transfer and  
Recycling**  
Markham, Illinois

Prepared a permit application for a one acre landscape waste transfer station in order to allow the client to receive landscape waste and process it for sale to various end markets.

**Landscape Waste  
Compost Facility and  
Transfer Station**  
Lake County, Illinois

Successfully obtained special use and annexation agreements with the Village of Volo, and a permit from the Illinois EPA to construct and operate a six-acre landscape waste compost and transfer facility on a thirty-acre parcel owned by the client.

**Menoni and Mocogni  
Landscape Waste  
Transfer Station**  
Highland Park, Illinois

Prepared and submitted application for Special Use to the City of Highland Park, Illinois for a landscape waste transfer station on Skokie Highway. Obtained a permit from the Illinois EPA to develop and operate the facility in conjunction with their existing building materials sales yard.

**Rivers Edge  
Landscape Waste  
Transfer Station**  
Wheeling, Illinois

Permit application to construct and operate a landscape waste transfer station near Buffalo Grove, Illinois. Location within the 100-year flood plain required an operation and mitigation strategy that included monitoring of flood warnings along the Des Plaines River and a response plan to avoid flood damages.

**138th Street  
Compost Facility**  
Chicago, Illinois

Prepared a permit renewal for an operating landscape waste compost facility on the final grade surface of a closed landfill.

**Willow Ranch and  
Quarry Landings  
Landscape Waste  
Compost Facilities**  
Romeoville, Illinois

Successfully permitted landscape waste compost areas on a closed landfill and in an adjacent quarry owned by the client. Client was then able to expand their capacity to compost additional quantities of yard waste on property they controlled.

## PROJECT EXPERIENCE – CONSTRUCTION QUALITY ASSURANCE

**Willow Ranch Landfill**  
Illinois/Will, USA

Prepared a closure certification report to document final cover construction and initiate the post-closure period. The project included a field investigation to establish fill boundaries and in-place waste volumes.

**Scott Area Landfill**  
Iowa/Scott, USA

Construction quality assurance and testing of a total of 15 acres of clay/geomembrane composite liner with leachate collection. Submitted certification reports to the Iowa Department of Natural Resources. Prepared bid packages for site engineer to distribute among selected contractors.

**Lake County Landfill**  
Indiana/Lake, USA

Construction quality assurance testing and certification for a 14-acre construction and demolition debris landfill with an in-situ clay liner with leachate collection system. Provided site layout, testing and oversight for appurtenant landfill facility development including a site entrance road, screening berm and scale house.

**Newton County Landfill**  
Indiana/Newton, USA

Managed the annual construction quality assurance testing and certification for a cumulative total of 80 acres of cell development with clay/geomembrane composite liner and leachate collection, and a cumulative total of 30 acres of composite final cover with drainage layer.

**Upper Rock Island County Landfill**  
Illinois/Rock Island, USA

Performed construction quality assurance oversight on a total of 40 acres of cell construction that included geosynthetic/clay composite liner with leachate collection, and 20 acres of composite final cover with drainage layer. Provided individual certification of completed component reports for each project to the Illinois EPA.

## PROJECT EXPERIENCE – LANDFILL DESIGN AND PERMITTING

**Clean Construction and Demolition Debris Fill Facility**  
Village of Lynwood, IL

Prepared and application to reclaim a seven acres abandoned quarry with clean fill materials under the Illinois 35 IAC 1100 standards.

**River Bend Prairie Landfill**  
Illinois/Cook, USA

Base grade re-design permit application to increase air space and collect leachate from unlined pre-Subtitle D fill areas; operating permit renewal application to the Illinois EPA; storm water management re-design to allow better utilization of non-landfill property.

**Upper Rock Island County Landfill**  
Illinois/Rock Island, USA

Prepared semi-annual volume surveys to support annual budget model planning estimates. Managed construction bid packages to assist site engineer to obtain bids for cell and cap construction. Coordinated a local siting application for a vertical and horizontal expansion of the landfill to increase the disposal capacity by 2 million cubic yards. Provided testimony before the city council during hearings to obtain local siting approval.

**Newton County Landfill**  
Indiana/Newton, USA

Managed a permit application for a vertical expansion of the landfill. Prepared semi-annual volume capacity surveys to track landfill density and airspace utilization. Coordinated with the site engineer to prepared construction bid packages for cell and final cover construction.

## PROFESSIONAL AFFILIATIONS

Illinois Food Scrap Coalition, Board Member

Solid Waste Association of North America, Land of Lincoln Chapter (*Past President and Chapter Director to National Board*)

American Society of Civil Engineers. Lifetime Member

US Composting Council

Illinois Recycling Association, Board Member