

John E. Hock, P.E.

Vice President



35 YEARS EXPERIENCE

EDUCATION

B.S., Chemical Engineering, The Ohio State University, 1987

EXPERTISE

Municipal solid waste transfer stations and material recovery facilities

REGISTRATIONS

Professional Engineer

- IL 062-047623
- OH E-62132
- MO 2010015702
- KS 22267
- IN PE11200176
- OK 25661

Mr. Hock has more than 35 years of experience with environmental issues at solid waste, CERCLA, RCRA, and voluntary action sites from both the private industry and consulting perspectives.

Mr. Hock spent over 11 years of his career working for large and mid-size solid waste hauling and disposal companies as a site and region engineer throughout the Midwest. In this role, he developed an expertise in directing complex environmental projects at solid waste disposal sites, including issues related to environmental monitoring, minor and major permit modifications, compliance systems, landfill development, landfill gas systems, leachate treatment plant development, wetland mitigation, and closure activities.

Mr. Hock also served as a senior project manager in the environmental group of a major corporation. In this role, he managed multiple remedial projects under CERCLA, RCRA, NRC and property transfer regulations. The main projects involved Corrective Action Programs for two active manufacturing facilities, investigation of a low-level radioactive disposal site, and O&M of multiple Superfund Sites. Other projects involved steering committee participation, pump and treat systems, deep injection well abandonment, river/ creek remediation, insurance carrier litigation, third party damage claims, allocation arguments and PRP negotiations.

At CEC, Mr. Hock has managed or led a wide variety of solid waste and environmental projects for small family run companies to mid-size independent companies to large publicly traded companies in multiple States. He has developed an expertise in the feasibility evaluation, due diligence, local siting, permitting, design and construction support of municipal solid waste (MSW) transfer stations and material recovery facilities. He has also provided expert witness testimony on multiple projects.

PROJECT EXPERIENCE

Transfer Station Development, Henry, IL

Principal for the local siting, permitting, and design of an approximately 3,000 ton per day barge to truck municipal solid waste transfer station, including providing expert witness testimony at the local siting hearing.

Transfer Station Development, Chicago, IL

Principal for the permitting of an approximately 2,400 ton per day municipal solid waste transfer station, construction and demolition debris (C&D) recycling facility and recyclables processing facility including providing a presentation at the public meeting.



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Due Diligence, LJP Enterprises, Inc., Mankato, MN

Principal for pre-sale due diligence services on behalf of the seller for multiple facilities including a contract operated MSW landfill, MSW transfer stations, a recycling center, a maintenance shop and corporate offices.

Due Diligence for MSW Landfill and Transfer Stations, Multiple Locations, MN and IL

Led the engineering and environmental due diligence of an MSW landfill, and multiple MSW transfer stations and hauling companies including determining permit transfer requirements and evaluating compliance issues.

Due Diligence for MSW Landfill, MI

Led the engineering and environmental due diligence of an MSW landfill including determining permit transfer requirements; evaluating compliance issues; and preparing going forward cost estimates for cell development, site development, closure and post closure.

Due Diligence for MSW Landfill, Atkinson, IL

Led the engineering and environmental due diligence of an MSW landfill including determining permit transfer requirements; evaluating compliance issues and negotiating the transfer of a consent order; meeting with USACE representatives and evaluating wetland issues; preparing going forward cost estimates for cell development, site development, closure and post closure; and negotiating certain provisions of the purchase agreement.

Transfer Station Development, Rockdale, IL

Principal for the local siting, permitting, and design of an approximately 600 ton per day municipal solid waste transfer station, including providing expert witness testimony at the local siting hearing.

Transfer Station Development, Virden, IL

Principal for local siting, permitting, design and construction of a 400 ton per day municipal solid waste and source separated recyclables transfer station, including providing expert witness testimony at the local siting hearing.

Transfer Station and Material Recovery Facilities, Northern IL

Principal for due diligence, permitting, environmental investigation, compliance support, and/or design services at six MSW and/or C&D transfer and material recovery facilities for multiple years.

Transfer Station Design and Construction, Newark, NJ

Principal for the design and construction of an approximately 2,000 ton per day truck to rail transfer station.

Transfer Station Due Diligence and Design, Chicago Heights, IL

Principal for the due diligence and storm water design for a municipal solid waste transfer station.

Transfer Station Due Diligence and Compliance Support, Madison, WI

Principal for due diligence and ongoing compliance support for a construction or demolition debris transfer station and material recovery facility.

Transfer Station Development, Seattle, WA

Principal for the conceptual design and preliminary cost estimate to raze an existing municipal solid waste transfer station and construct a new facility in the same location.

Transfer Station Permitting, Chicago, IL

Principal for the preparation of the permit application and environmental impact report for a construction and demolition waste recycling and transfer facility.

Transfer Station Design, Bend, OR

Provided design expertise for the development of a municipal solid waste and source separated recyclable transfer station and citizen drop off area.

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Transfer Station Design, Johnston, RI

Provided design expertise for the development of a municipal solid waste transfer station, material recovery facility and citizen drop off area.

Transfer Station Permitting, Northwest OH

Managed the permitting of a new solid waste transfer station.

Environmental Investigations, IL

Principal for environmental investigations at multiple sites under the Illinois Site Remediation Program.

Landfill Expansion Permitting, Northwest OH

Managed the permitting of a solid waste landfill expansion including presenting the proposed project at the local zoning hearing and the public meeting.

Landfill Expansion Permitting, Louisville, KY

Managed the permitting of a landfill expansion that was located in a wetland, in a floodplain and within 10,000 feet of a major airport, including satisfying approximately 17 different regulatory agencies and testifying at the local zoning hearing.

Compost Facility Permitting, Elwood, IL

Prepared the permit application and testified at the local zoning hearing for a compost facility.

Landfill Liner Development, Morris, IL

Certifying engineer for the liner development of six solid waste landfill cells with a groundwater underdrain and a composite liner system.

Composite Liner and leachate Collection System, Illinois, Kentucky, Ohio and Pennsylvania

Managed the construction of over 100 acres of composite and/or double composite liner and leachate collection systems over a 10+ year period at various solid waste landfills.

Landfill Final Cover Construction, Illinois, Kentucky, Ohio and Pennsylvania

Managed the construction of over 200 acres of soil and/or composite final cover systems over a 10+ year period at various solid waste landfills.

Leachate Treatment Plant, Clarion, PA

Managed the construction of 10M gallon per year leachate treatment plant including aerobic and anaerobic treatment capabilities and an on-site stream discharge.

RCRA Closure, Elwood, IL

Managed the RCRA Closure of an approximately 20 acre drum trench area and 60 acre co-disposal landfill, and clean closure of a decant facility, container storage area and waste storage ponds.

Landfill Investigation, Calumet City, IL

Managed the HSWA investigation of two landfill areas including the exhumation/relocation of waste material, installation of a slurry wall and retro-fitting of a leachate collection system.

Landfill Gas Collection and Control System, Illinois, Kentucky, Ohio and Pennsylvania

Managed the design, construction and operation of landfill gas extraction systems in closed and active portions of various solid waste landfills. The design included evaluating the overall effectiveness of the system and the construction included replacing/reconfiguring non-functional portions. The operations involved reviewing routine monitoring information from the system and recommending action items.

Solid Waste Landfill Exhumation and Relocation, Clarion, PA

Managed the exhumation and relocation of an approximately 20 acre unlined solid waste disposal area at a solid waste landfill.

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Wetlands Enhancement, Louisville, KY

Managed the creation or enhancement of 434 acres of wetlands in four separate areas to compensate for the ability to alter and fill 178 acres of jurisdictional wetlands.

Environmental Compliance, Various

Managed environmental compliance issues at various hauling companies and transfer stations in Illinois, Kentucky, Ohio and Pennsylvania.

Stormwater Pollution Prevention Plan, North Chicago, IL

Revised the SPCC plan, Storm water Pollution Prevention Plan and Chemical Safety Contingency Plan for an approximately 300,000 square foot custom chemical blending and packaging facility with approximately 800,000 gallons of tank storage.

Manufacturing and Distribution Facility Environmental Programs, IL

Assessed the current environmental programs with regard to applicable federal, state, and local regulations (including the revised SPCC regulations) at an approximately 500,000 square foot custom printing, manufacturing, and distribution facility.

Landfill Environmental Compliance, Illinois, Ohio, and Pennsylvania

Developed and managed an environmental compliance system for non-hazardous solid waste landfills including state and local regulations, permit requirements (from air, water and land regulatory agencies) and company policies.

Landfill Environmental Compliance System, Louisville, KY

Managed an environmental compliance system at a non-hazardous solid waste landfill in Kentucky which involved landfill operations, environmental monitoring, construction in a floodplain, a wetland mitigation program, wastewater pretreatment, a landfill gas extraction system, soil bioremediation and yard waste composting.

Groundwater Extraction and Treatment System, TN

Served as the Respondent's designated Project Coordinator pursuant to an Administrative Order for a CERCLA site in Tennessee with a 300 gallon per minute groundwater extraction and treatment system.

Solid Waste Facility Environmental Audit, Nationwide

Participated in the environmental audit of several solid waste and RCRA facilities.

Radioactive Disposal Investigation and Dose Assessment, Breckenridge, MI

Performed an investigation and dose assessment pursuant to NRC regulations of a low-level radioactive disposal site in Michigan.

Manufacturing Investigation and Remediation, St. Louis, MI

Oversaw and represented the client in regulatory negotiations and at public meetings regarding a multi-agency investigation and remediation of a CERCLA site in Michigan that was contaminated by former pesticide and PBB manufacturing operations.

Mercury Processing Facility Human Health and Ecological Risk Assessment, Newark, NJ

Served as technical contact with the agencies, and coordinated the overall RI/FS activities under CERCLA, including preparation of the human health and ecological risk assessments, for a New Jersey property that was previously used as a mercury processing facility.

Chemical Manufacturing Facility Investigation/Remediation, Chattanooga, TN

Oversaw the RCRA Corrective Action Program of a chemical manufacturing facility in eastern Tennessee including the investigation/remediation of DNAPL and chlorinated organic compounds in groundwater, construction of an engineered cap and exhumation of waste disposal areas.

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Chemical Manufacturing Facility Groundwater Extraction, Memphis, TN

Oversaw the RCRA Corrective Action Program of a former chemical manufacturing facility in western Tennessee including the construction and operation of a groundwater and vapor phase extraction and treatment system, exhumation of a buried pond/buried tank car, and investigation of off-site groundwater and sediment.

Phase I Remedial Investigation, Memphis, TN

Prepared a Phase I Remedial Investigation Report for a disposal site in Tennessee, including compiling information from various sources dating back 30 years (including information regarding two other highly contaminated adjacent properties) to help define the site conditions with regard to geology, hydrogeology, existing conditions, and potential exposure pathways.

Land Farm Area Investigation, Elwood, IL

Performed a HSWA investigation of a former land farm area in Illinois.

Landfill Financial Assurance Evaluation

Performed an evaluation of the surety industry's risk in issuing financial assurance bonds guaranteeing closure and post-closure obligations for municipal solid waste landfills, including describing current national solid waste industry trends, industry practices, regulatory requirements, risk factors, bankruptcy case studies and other catastrophic events

Landfill Planning, Various

Performed various planning and budgeting services for municipal solid waste landfills including coordinating airspace/ volume study, evaluating the results, performing budget calculations, and preparing contract/construction documents

Landfill Odor Control, Various

Supported determination of odor origin, developed and managed odor control measures at a various solid waste landfills which were receiving numerous odor complaints. Measures included improving operations of landfill gas extraction system, installing additional landfill gas extraction wells and piping, applying geosynthetic materials as intermediate cover material and using odor masking agents, tracking the effectiveness of odor control measures based on odor observations and complaints and meeting with local officials, residents and governmental agencies.

Expert Witness Testimony, Pisanelli Bice, PLLC, Coyote Springs, NV

Provided an Expert Opinion at the request of Pisanelli Bice, PLLC on behalf of Coyote Springs Investment LLC to rebut a report in the case styled, Coyote Springs Investment LLC, et al. (CSI) v. Pardee Homes of Nevada, Inc., et al. CEC rebutted the conclusions in a report that "leach fields" were present at two Comfort Stations at the Coyote Springs Golf Course in Coyote Springs, Nevada.

Expert Witness Testimony, Illinois Association of Aggregate Producers, Springfield IL, IL

Testified to the Illinois Pollution Control Board on behalf of the Illinois Association of Aggregate Producers regarding the proposed rules (35 IAC Part 1100) to establish additional technical requirements for CCDD facilities; set operating standards for uncontaminated soil fill operations; and develop standards for the maximum allowable concentrations of chemical constituents in uncontaminated soil.

Expert Witness Testimony, Thompson Coburn, LLP, Hazelwood, MO

Provided expert opinions on behalf of Defendants Environmental Operations, Inc. and Geotechnology, Inc. regarding the generation and migration of methane gas at the Hazelwood Logistics Center, the actions taken to address the generation and migration of methane gas, the approach to address the generation and migration of methane gas, and to respond to the opinions of other experts.

PROFESSIONAL AFFILIATIONS

National Waste and Recycling Association