



Curriculum Vitae for Jay Hodgens, P.E.

Professional Experience:

Mr. Hodgens possesses a diversity of experiences in varied capacities, resulting in over 24 years of professional development. Responsible for projects with budgets of less than ten thousand to over two million dollars.

- Two years in an operational capacity: oversight of municipal engineering and solid waste services for a county in the Greater Washington (DC) Metropolitan Statistical Area.
- Over five years in regulatory capacities: design review, permitting, and inspection for land development, water supply, wastewater and solid waste facilities, wetlands and water resources.
- Over 15 years in consulting capacities performing the design and management of engineering projects in: site assessment; solid waste; agricultural, industrial and municipal wastewater; storm water; water supply; pollution prevention and remediation; air quality; site development; transportation; hydraulics, hydrology, forensics, and geotechnical engineering. Services provided include bidding administration and construction management.
- Over ten years in management capacities providing facilities acquisition; personnel management and development; marketing; client development; contracting; budgeting; project scheduling; billing; development of new services; acquisition of major equipment; and creation of two sole proprietorship businesses.

Employment History:

- Principal, Hodgens Engineering Service; Newburgh, NY 2006 to date
- Senior Project Manager, Dufresne-Henry Consulting Engineer, 2005 to 2006
- M.G. McLaren, PC, Site Civil Project Manager 2005
- Principal, Hodgens Engineering, Inc.; Huron, SD, 1997 to 2005
- Division Director and Senior Engineer, Dakota Env'tal Consultants, Inc.; Huron, SD, 1993
 - Huron University, Adjunct Math Professor 1997 (p/t)
- Director, Culpeper County, VA Department of Waste Management, 1991
 - Culpeper County Solid Waste Advisory Team Chairman, 1991-1992 (p/t)
- Project Engineer, Gloeckner and Osborne, Inc.; Charlottesville, VA, 1989
- Assistant Public Health Engineer, Putnam County, NY Department of Health, 1984
 - Town of Carmel Wetland Board Member, 1985-1986 (p/t)
 - Putnam County Recycling Coordinator, 1986-1988 (p/t)
- Environmental Engineer; Erdman, Anthony and Associates; Mechanicsburg, PA, 1982
- Engineer Intern; Pennsylvania Dept. of Environmental Resources, 1982 (temporary); Harrisburg, PA
- Sanitary Engineer, Gannett Fleming Engineers; Camp Hill, PA, 1981

Representative Major Experience:

Corporate Development

Creation of two separate offices in the same rural agrarian community with full time staff of five persons within four years: an engineering office and an engineering/surveying office. Responsibilities include public presentations, client development, office purchase and renovation, network system specification and implementation and employee training.

Air Quality

Performance of tests or supervision of employees in the performance of EPA protocol for ethanol facility stack testing, radon monitoring, and field asbestos monitoring.

Lake Restoration

Multi-year, multi-phased restoration of man-made prairie lake consisting of dredging, solids dewatering, and site stabilization. Responsible for conceptual and final design, site survey, settling pond development, contract document development, bidding, permitting, construction inspection and assistance in multi-agency coordination.

Testing Services

Developed two soils testing laboratories for the performance of physical tests. Experienced in the identification of testing to evaluate air, soil and aqueous media and interpretation of results. Started sole proprietorship firm for the monitoring of air quality and field evaluation of airborne asbestos contamination.

Highway Engineering Materials

Author on half a dozen PennDOT research studies on the use of innovative safety and drainage materials.

Corporate Site Development

Complete site development engineering services of multiple sites for a national retail chain consisting of preliminary and final site design, utility design, environmental site assessment (Phase I), structural design, construction inspection, and field testing services. Projects were fast tracked for completion of construction within three months of date engineering contract. Also oversaw and provided ALTA survey, geotechnical investigation, asbestos inspection and laboratory testing services.

Sechler Run Stormwater Pumping Station

Project Manager for 100,000 GPM stormwater pumping station to prevent flooding of the Danville, PA central business district. Project involved the coordination of design teams in three offices including survey, structural, mechanical, electrical and drafting groups.

Regulatory Official

In three different agencies representing state, county and town government; responsible for developing regulations, reviewing plans and issuing permits for wastewater treatment plants, floodplain encroachments, stream crossings, and wetland development.

Shoreline Stabilization

Design and construction document preparation for rip rap revetment shoreline stabilization along one-half mile severely eroded shore of Lake Byron, a shallow prairie lake. The site serves as a State Park with lake access. Project elements included protection termination that prevented undermining from adjacent unprotected area, a long steep approach, and eroded high vertical banks.

Dams

Inspected numerous earthen and concrete dams for compliance with Federal and State Dam Safety Regulations. Development of remedial design and bidding documents for new and repaired to dam structures. Design of shoreline protection, which resulted in 25% savings in project construction cost.

Water Resources Studies

Project Manager of studies of water sources and storage methods of irrigation waters for golf courses. Studies examined streams, rivers, reservoirs, groundwater and included stream flows modeling.

Spill Prevention Planning

Site reconnaissance and development of over 450 spill prevention plans to provide for compliance with federal and state design, planning and record keeping requirements for petroleum storage facilities in eight states.

Animal Waste Management Facilities

Project Manager for numerous poultry, swine, dairy and cattle manure management facilities. Facilities included a transport trailer wash-out, the largest concrete waste storage tank in a five state region, and the only permitted facility located above a valuable shallow aquifer. Facilities located in multiple states.

Forensic Engineering

Reconnaissance and evaluation of foundations and environmental situations to provide technical testimony on litigious situations. Situations included alleged damages to property or health due to improper design/construction and discharges to air, water and soil.

Institutional Site Development

Project Manager for the site development for four major urban academic structures at the University of Virginia: Arts and Science Building, Physics Building, Chemistry Building, and Utility Tunnel Rehabilitation. Development issues included densely developed underground and aboveground utilities, parking, roads, sidewalks, access maintenance, drainage, traffic studies, facility maintenance, and security.

Commercial Site Development

Conceptual and final design of a commercial truck "Wash-Out" operation, the City of Huron Solid Waste Composting and Transfer Facility; and "The Fort" Agri-Center Truck Wash. Services included software selection for weighing operations, pro-forma development, multi-year growth projections, gaining consensus from multiple parties, construction document preparation, and construction inspection.

Erosion and Sediment Control Planning/ Stormwater Management

Development of numerous plans for erosion and sediment control projects in Virginia, Pennsylvania, North Dakota and South Dakota. Earth moving projects requiring control measures to protect surface water from contamination by construction or industrial activities

Industrial Wastewater Treatment

Design, permitting and construction oversight for wastewater facilities or improvements to wastes from feed processing facility, animal production facilities and municipal facility receiving slaughterhouse wastes.

Site Assessments

Site assessment of several hundred residential, commercial, agricultural and industrial facilities. Facilities include wastewater treatment works, landfills, institutions and processing plants. Included were numerous ESA Phase I investigations performed in accordance with ASTM procedures.

Putnam County Waste Management Facilities

Performed routine oversight of over 50 RCRA, CERCLA and NPDES facilities including abandoned, closed and operating landfills, Superfund sites and treatment facilities. Developed and implemented a County-wide groundwater sampling\monitoring program to assess groundwater quality and contamination.

Sole engineer responsible for the site inspection, review and evaluation of proposed on-site residential wastewater treatment and disposal systems for the County. Responsibilities included development of regulations to ensure protection of water resources serving Putnam County and New York City.

Landfill Closures

Project Manager for the design and contract document preparation for the closure of the several landfills, including the eighth largest South Dakota landfill. Projects required the coordination and flexibility to modify design and schedule in light of changes in regulatory requirements and client needs.

Culpeper County Landfill Expansion

Department Director: oversaw operation and closure of existing landfill; planning and oversight of the design and permitting of a landfill expansion in compliance with newly promulgated Subtitle D regulations. Design and construction of waste transfer station; contracting for the construction, sampling, and analysis of groundwater monitoring wells; project planning, budgeting and personnel management. Development and management of two million dollar budget.

Recycling Coordinator

Part-time coordinator of recycling activities in communities of 90,000 and 30,000 residents. Educated public, developed programs, chaired committees and coordinated 100+ member volunteer organization. Significant accomplishments included the development of a waste exchange, a host community benefit package to assist in landfill siting, and municipal leaf composting facility design.

Municipal Engineering

Provide for the design and construction of municipal improvements to systems for water supply, solid waste management, storm water management, wastewater treatment or sanitary sewers in the South Dakota Towns of Alpena, Wolsey, Iroquois, Highmore, Huron, Frankfort, and Wessington.

Business Mentor

Volunteer mentor for newly created professional engineering firm to provide encouragement, direction and guidance on matters of professional conduct, industry accepted practices, licensure, marketing and management.

Education & Training:

- Bachelor of Science, Civil and Environmental Engineering, Duke University, 1981
- Construction Document Preparation, Harrisburg Area Comm. College, 1983
 - Waste Management and Groundwater Seminar, VA Military Institute, 1990
 - Conference on Recycling, VA Dept. of Waste Management, 1991, 1992, 1993
 - Solid Waste Management Conference, SD DENR 1993
 - Hazardous Materials Conference, SD Division of Emergency Management, 1994
 - OSHA 40-hour haz-waste operations and emergency response training, 1994,5,6,7
 - Recycling and Solid Waste Conference, SD SWMA, 1994
 - South Dakota Pork Producers Trade Show Exhibitor, 1996, 1997
 - NECOG Solid Waste/Recycling Workshop Speaker 1996
 - SD Engineering Society Annual Meeting and Seminars 1997
 - National Society of Professional Engineers Annual Convention and Seminars 1997
 - SD Pork Producers Council, New Techniques in Odor Control 1998
 - Entrepreneur Network, Series of four seminars on business development 1998
 - SD Engineering Society, Ethics and Engineering 1998
 - Budzinger and Associates video training in alternate soil testing procedures 1998
 - SD State University Environmental Training for Livestock Producers 1998
 - USDA Environmental Assessment Training 1999
 - SD Environmental Professionals Annual Convention and Seminars 1999
 - SDSU Cooperative Extension Service, Dairy and Forage Conference 1999
 - Minn-kota Agri-Builders Association Annual Meeting, Odor Issues Seminars 1999
 - SD Water and Wastewater Assn. Annual Meeting, Wastewater Operator's Seminar 1999
 - Troxler Nuclear Gauge Safety Training Program, 1999
 - ND Marketplace for Ideas 2000, Topics in Animal Waste Management
 - SD Engineering Society Annual Convention, 2000
 - US EPA Spill Prevention, Control, Countermeasure Planning Workshop 2001
 - ND Marketplace for Ideas, Topics in Animal Waste Mgmt. and Resource Protection 2001
 - Wind Energy and Rural Development in ND, 2001, 2002
 - US EPA Region 8 2002 40 CFR Part 112 regulatory changes 2003
 - SEQRA 2005
 - Construction Law Seminar 2005
 - Stormwater Management Seminar 2005
 - National Flood Insurance Program Seminar 2005

Professional Engineer Licensure (Active registration through indicated date.)

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| ◆ South Dakota Number 5514 (10/10/05) | ◆ Virginia Number 20388 (12/30/93) |
| ◆ Iowa (Environmental) 13714 (12/31/97) | ◆ Wisconsin Number 30671 (7/31/04) |
| ◆ North Dakota PE-4397 (12/31/04) | ◆ New York Number 064911 (01/31/09) |
| ◆ Nebraska (Civil) E-9650 (12/31/05) | ◆ Minnesota Number 42528 (6/30/06) |