KREBS & LANSING
CONSULTING ENGINEERS, INC.

STATEMENT OF QUALIFICATIONS FOR KINGDOM COMMUNITY WIND PROJECT

Ian A. Jewkes

President, Krebs and Lansing Consulting Engineers, Inc.
Vermont Professional Engineer, No. 7200
Vermont Licensed Land Surveyor, No. 639

Education

1984, Bachelor of Science in Civil Engineering, University of Vermont

Professional History

University of Vermont Land Records, 1982 to 1984
Assistant to Director, Harris G. Abbott

Performed land surveying and drafting tasks on University of Vermont construction projects and land surveying projects. Performed geodetic and property survey of ridgeline on Mount Mansfield in Stowe, Vermont.

Fred C. Koerner P.E., 1984
Junior Engineer and Surveyor

Assisted Mr. Koerner in the preparation of civil engineering plans and collection of field data for his commercial, utility, and residential civil engineering projects.

Krebs and Lansing Consulting Engineers, Inc., 1984 - present
Joined Krebs and Lansing in 1984. Position progressed from junior engineer and surveyor to senior engineer and surveyor. Became owner in 2002. Current position is President .

Extensive work in civil engineering design, permitting, and construction services for many commercial, industrial, residential, and institutional civil site design projects. These projects include the design of roads, construction access roads, utility systems, storm control and treatment systems, on-site sanitary sewer systems, municipal sanitary sewer, domestic water supply, municipal water supply systems, mass earthworks, grading, and erosion control measures.

Examples of Relevant Experience
(Organized by permit activity pertaining to Kingdom Community Wind Project)

PROJECT	*PERTINENT PERMIT PROCESS*	*DESCRIPTION OF CIVIL ENGINEERING ACTIVITY*
Vermont Gas Systems, Inc. **Phase I System Expansion** 3.1 mile 16" natural gas pipeline Swanton, Vermont Constructed in 1995	Act 248 US Army Corps of Engineers GP (wetlands) State of Vermont Conditional Use Determination (wetlands)	Design of all construction access roads (including a demonstration project for crossing archeologically sensitive sites), stormwater controls, 1500 foot directional bore crossing of the Missisquoi River, design of stream crossings for pipeline trench and access road, construction observation and reporting.

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Examples of Relevant Experience (continued)
(organized by permit activity pertaining to Kingdom Community Wind Project)

PROJECT	***PERTINENT PERMIT PROCESS***	***DESCRIPTION OF CIVIL ENGINEERING ACTIVITY***
Vermont Gas Systems, Inc. **Phase II System Expansion** 3.1 mile 16" natural gas pipeline Swanton, Vermont Constructed in 1995	Act 248 US Army Corps of Engineers GP (wetlands) State of Vermont Conditional Use Determination (wetlands) EPA SWPPP	Design of all construction access roads and staging areas, stormwater controls, design of stream crossings for pipeline trench and access roads, construction observation and reporting.
Vermont Gas Systems, Inc. **Phase III System Expansion** 3.2 mile 16" natural gas pipeline South from Canada in Highgate, Vermont Constructed in 1999	Act 248 US Army Corps of Engineers GP (wetlands) State of Vermont Conditional Use Determination (wetlands) EPA SWPPP	Design of all construction access roads, interstate highway access, and revised border substation, staging areas, stormwater controls, design of stream and Rock River crossings for pipeline trench and access roads, construction observation and reporting.
Vermont Gas Systems, Inc. **Phase IV System Expansion** 4.2 mile 16" natural gas pipeline Swanton and St. Albans, Vermont Constructed in 2002	Act 248 US Army Corps of Engineers GP (wetlands) State of Vermont Conditional Use Determination (wetlands) EPA SWPPP	Design of all construction access roads, rebuilt Beebe Road Substation, and staging areas, stormwater controls, design of stream crossings for pipeline trench and access roads, construction observation and reporting
Vermont Gas Systems, Inc. **Phase V System Expansion** 2.8 mile 16" natural gas pipeline Swanton and St. Albans Constructed in 2005	Act 248 US Army Corps of Engineers GP (wetlands) State of Vermont Conditional Use Determination (wetlands) State of Vermont General Permit for Runoff from Construction Sites (formerly known as EPA stormwater pollution prevention plan)	Design of all construction access roads, Nason Road and Lake Road substation rebuilds and staging areas, stormwater controls, design of stream crossings for pipeline trench and access roads, construction observation and reporting.
Vermont Gas Systems, Inc. **Phase VI System Expansion** 4.1 mile 16" natural gas pipeline St. Albans and Georgia, Vermont Currently in planning process	Act 248 US Army Corps of Engineers GP State of Vermont Conditional Use Determination (wetlands) State of Vermont General Permit for Runoff from Construction Sites	Design of all construction access roads, substations, and staging areas, stormwater controls, design of stream crossings for pipeline trench and access roads.
Vermont Gas Systems, Inc. **Phase VII System Expansion** 3.8 mile 16" natural gas pipeline Georgia, Vermont Currently in planning process	Act 248 US Army Corps of Engineers GP State of Vermont Conditional Use Determination (wetlands) State of Vermont General Permit for Runoff from Construction Sites	Design of all construction access roads, substations, and staging areas, stormwater controls, design of stream crossings for pipeline trench and access roads.

Examples of Relevant Experience (continued)
(organized by permit activity pertaining to Kingdom Community Wind Project)

PROJECT	*PERTINENT PERMIT PROCESS*	*DESCRIPTION OF CIVIL ENGINEERING ACTIVITY*
Vermont Gas Systems, Inc. College Parkway Slope Stabilization Project Large (3.8 million pound) fill placement to stabilize slope with existing natural gas pipeline Colchester, Vermont Constructed in 2003	Act 248, US Army Corps of Engineers GP (wetlands) State of Vermont Conditional Use Determination (wetlands) State of Vermont General Permit for Runoff from Construction Sites	Design of slope stabilization in conjunction with geotechnical engineer, design of construction access road, stormwater controls, and erosion control, permit acquisition, construction observation and reporting,
Vermont Gas Systems, Inc. Middle Road Slope Stabilization Project Large rock fill in stream channel to stabilize slope on which natural gas transmission is built, later relocation of natural gas pipeline Colchester, Vermont Constructed in 1999	Act 248, US Army Corps of Engineers GP (wetlands) State of Vermont Conditional Use Determination (wetlands) State of Vermont General Permit for Runoff from Construction Sites	Design of slope stabilization in conjunction with geotechnical engineer, design of construction access road, stormwater controls, and erosion control, permit acquisition for immediate repairs and reroute, construction observation and reporting,
Mount Mansfield Union High School Athletic Field Improvements Large (165 million pound) cut and fill operation completed by the VTARNG to flatten an area for construction of a baseball field Jericho, Vermont Constructed in 2009	Act 250, US Army Corps of Engineers GP (wetlands), State of Vermont Conditional Use Determination (wetlands), State of Vermont Individual Construction Stormwater Discharge Permit, "Operational Stormwater Discharge Permit" known as Authorization Permit to Discharge Pursuant to General Permit 3-9015	design and all permitting, final site plan and earthworks, operational and construction stormwater controls, construction observation and assistance to the Vermont Army National Guard 103 Engineers during construction.
University Wholesalers Tire Warehouse Construction of an .5 mile access road across several large wetlands, and improvements associated with 180,000 s.f. industrial building Colchester, Vermont Constructed in 2007	Act 250, US Army Corps of Engineers GP (wetlands), State of Vermont Conditional Use Determination (wetlands), State of Vermont General Permit for Runoff from Construction Sites, (Operational Stormwater Permit) Authorization Permit to Discharge Pursuant to General Permit 3-9015	Design of new access drive through steep sandy areas with large wetland features, large earthworks for geotechnical modification of the site by geotechnical engineer, permit acquisition including Act 250 and several (operational and construction) stormwater permits.
Production Park many industrial lots, FedEx, Gregory Supply, Best Tile, etceteras Many industrial site plans, new town roads and associated stormwater improvements on 110 acres Williston, Vermont from 1993 to present	Act 250, US Army Corps of Engineers GP (wetlands), State of Vermont Conditional Use Determination (wetlands), State of Vermont General Permit for Runoff from Construction Sites, (Operational Stormwater Permit) Authorization Permit to Discharge Pursuant to General Permit 3-9015	Design of new town roads, all permitting, including several (operational and construction) stormwater permits, design of stream crossing for Marshall Avenue, construction observation and reporting.

Additional references for Act 250 and Stormwater related work are available upon request.

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