



COUNCIL of GOVERNMENTS CENTRAL NAUGATUCK VALLEY

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Qualification Statement Submittal Form for Regulatory Dam Inspection Services and Other Dam Safety Related Engineering Services

Please save this document locally, fill in all applicable fields, and attach to your submittal e-mail.

A. Company Contact Information:

Company Name:	Wengell, McDonnell & Costello, Inc. (dba WMC Consulting Engineers)		
Street Address:	87 Holmes Road	City:	Newington
		State:	CT
		Zip Code:	06111
		Phone:	860-667-9624
		E-Mail:	smcdonnell@wmcengineers.com
Web Address:	wmcengineers.com	Primary Contact:	Stephen McDonnell, P.E.

Is this company registered to practice as a Professional Engineering Corporation in the State of Connecticut? YES NO

CT Registration#: PEC.386

B. Company Description:

WMC is a privately owned, Newington based consulting firm providing a full range of services to clients throughout the State, including the Connecticut DEEP, Connecticut DOT, municipalities, regional planning agencies and private entities. The firm was founded over 26 years ago and we currently maintain a staff of 25 including 10 Professional Engineers and 2 Licensed Land Surveyors. The firm is full insured and is certified as a Small Business Enterprise (SBE) by the State Department of Economic Development. The three principals of the firm represent over 100 years of hands-on project management and design.

The firm specializes in water resource projects including hydrologic and hydraulic studies, flood studies and mitigation design, dam inspections and design, structural inspections and design, geotechnical engineering, environmental studies and construction management.

Related to this request for proposals, the firm has inspected over 300 State owned or maintained dams for the DEEP and we are one of only three firms on the DEEP dam design on-call pre-qualified list. Recent projects completed by WMC include:

- inspection of three dams for the Winsted Water Department
- inspection of two dams for the Town of Hartland
- inspection of two dams for Harwinton
- inspection of a dam for the Town of Middlebury
- inspection of two dams for the Town of Berlin
- inspection of one dam for the Town of Putnam
- inspection of several privately owned dams
- design and construction oversight of 7 dams for the DEEP
- design of improvements for 5 dams for the Connecticut Valley Hospital
- inspection of over 300 State owned or maintained dams for the DEEP
- preparation of Emergency Action Plans and Inundation Mapping for several dams for the DEEP
- performance of stability analyses for 7 DEEP owned dams

As a result of this experience, WMC has the knowledge and ability to provide dam safety services on a professional, timely and cost effective basis.

C. Staff Information

For key staff members that may be assigned dam safety related tasks, please provide the following information. For each staff member listed, attach a current resume to the submittal e-mail.

Staff 1 Name:	Alan Wengell, P.E.	Title:	President
Primary Duties:	Overall Project Direction and Administration	Connecticut P.E. License #:	10606
		Relevant Years Experience:	46 Resume Attached <input checked="" type="checkbox"/>
Staff 2 Name:	Stephen McDonnell	Title:	Vice President
Primary Duties:	Project Manager	Connecticut P.E. License #:	12010
		Relevant Years Experience:	39 Resume Attached <input checked="" type="checkbox"/>
Staff 3 Name:	Stephen Andrzejewski, P.E.	Title:	Senior Hydraulics Engineer
Primary Duties:	Senior Engineer for Dams	Connecticut P.E. License #:	23891
		Relevant Years Experience:	28 Resume Attached <input checked="" type="checkbox"/>
Staff 4 Name:	Michael Fanning, P.E.	Title:	Hydraulics Engineer
Primary Duties:	Project Engineer for Dams	Connecticut P.E. License #:	23459
		Relevant Years Experience:	20 Resume Attached <input checked="" type="checkbox"/>
Staff 5 Name:		Title:	
Primary Duties:		Connecticut P.E. License #:	
		Relevant Years Experience:	Resume Attached <input type="checkbox"/>

D. Services:

Please check the box next to any service your firm is qualified to undertake and interested in providing. If your firm offers other specialized dam-related services, please list them in the space provided. In following sections you will be asked to explain qualifications and provide examples of previous work and references for each service you check or list.

Dam Inspection <input checked="" type="checkbox"/>	Inundation Modeling and Mapping <input checked="" type="checkbox"/>	Other Specialized Dam Safety Related Services: WMC provides full dam services from safety inspections through design and construction management of dam improvements. We have prepared emergency action plans, operation and management plans, inundation mapping and stability analyses for several DEEP and municipally owned dams.
Dam Emergency Action Plan Preparation <input checked="" type="checkbox"/>	Hydrologic and Hydraulic Studies <input checked="" type="checkbox"/>	
Dam Operations and Management Plan Preparation <input checked="" type="checkbox"/>	Stability Analysis <input checked="" type="checkbox"/>	
Dam Repair Plan Preparation <input checked="" type="checkbox"/>	Underwater Investigation <input checked="" type="checkbox"/>	
Dam Removal Plan Preparation <input checked="" type="checkbox"/>	Dam Repair and Construction Monitoring <input checked="" type="checkbox"/>	

E. Qualifications:

Please explain your firm's qualifications for each service checked or listed in section D.

Dam Inspection - WMC has inspected over 300 dams owned by the DEEP, municipalities and private owners throughout the State

Dam Emergency Action Plans - WMC has prepared over ten EAPs for State Owned dams

Dam Operations and Management Plans - WMC has prepared O&M plans for over ten DEEP owned dams

Dam Repair Plans - WMC has prepared dam repair plans for over ten DEEP and municipally owned dams

Dam Removal Plans - WMC has prepared plans for two dam removal projects for municipalities

Inundation Modeling and Mapping - WMC has prepared models and mapping for five DEEP owned dams

Hydrologic and Hydraulic Studies - WMC has performed H&H studies for over ten dams, over 125 bridge projects as well as other projects. WMC has three professional engineers on staff whom are approved by the Connecticut DOT for performance of H&H studies

Stability Analysis - WMC has performed stability analyses for three DEEP owned dams

Underwater Investigation - Utilizing a qualified sub-contractor, WMC has performed underwater inspections on seven DEEP owned dams

Dam Repair and Construction Monitoring - WMC has performed these services for over ten dams owned by either the DEEP or municipalities.

WMC is one of three firms on the DEEP's on-call list that are pre-qualified for all of the above dam related tasks.

F. Examples of Previous Work:

For each service checked or listed in section D, provide at least one comparable project completed by your firm within the past 10 years. Provide a brief description of the service rendered, the project name and location (Town and State), dam class, and a customer reference name and contact information (phone and/or e-mail)

Service Provided	Dam Name and Location	Dam Class	Customer Reference Name	Customer Reference E-mail/ Phone
Inspection, Design of improvements and preparation of emergency action plan	Moodus Reservoir East Haddam	B	CT DEEP Ted Rybak, P.E.	thaddeus.rybak@ct.gov (860) 424-3883
Inspection, Design of improvements and preparation of emergency action plan	Industrial Monument North Canaan	A	CT DEEP Ted Rybak, P.E.	thaddeus.rybak@ct.gov (860) 424-3883
Inspection, Design of improvements and preparation of emergency action plan	Ashland Pond Griswold	C	CT DEEP Ted Rybak, P.E.	thaddeus.rybak@ct.gov (860) 424-3883
Inspection, Design of improvements and preparation of emergency action plan	Wood Creek North Canaan	B	CT DEEP Ted Rybak, P.E.	thaddeus.rybak@ct.gov (860) 424-3883
Inspection, Design of improvements and preparation of emergency action plan	Lake Winchester Winsted	B	CT DEEP Ted Rybak, P.E.	thaddeus.rybak@ct.gov (860) 424-3883
Inspection, Design of improvements and preparation of emergency action plan	Bashan Lake East Haddam	B	CT DEEP Dan Biron	dan.biron@ct.gov (860) 424-3892
Inspection, Design of improvements and preparation of emergency action plan	Hampton Reservoir Hampton	BB	CT DEEP Ted Rybak, P.E.	thaddeus.rybak@ct.gov (860) 424-3883
Inspection of dam	Massacoe Pond Simsbury	A	CT DEEP Ted Rybak, P.E.	thaddeus.rybak@ct.gov (860) 424-3883
Inspection and design of improvements of dam	Lake Harwinton Harwinton	C	Town of Harwinton John Fredsall	highways@harwinton.us (860) 485-9051
Inspection of two dams	Crystal Lake, Rugg Brook Reservoir, Winsted	BB	Winsted Water Dept. Mark Douglass	mdouglass@townofwinc hester.org, 738-6960
Inspection of dam	Highland Lake Winsted	C	Town of Winsted Mark Douglass	mdouglass@townofwinc hester.org, 738-6960
Inspection of dam and design of repairs	Alice Merritt Hartland	B	Town of Hartland Wade Cole	selectmen@hartland. necoxmail.com
Dam Inspection	Hayes Road Pond Hartland	BB	Town of Hartland Wade Cole	(860) 653-6800
Dam Inspection	Long Pond Middlebury	B	Town of Middlebury Edward St. John	firstselectman@middleb ury-ct.org 203-758-8629
Inspection and design of improvements for five dams	CT Valley Hospital	B & BB	CT DEEP Ted Rybak, P.E.	thaddeus.rybak@ct.gov (860) 424-3883
Inspection of 300 dams	throughout Connecticut	All classes	CT DEEP Ted Rybak, P.E.	thaddeus.rybak@ct.gov (860) 424-3883
Inspection and design of repairs	Scoville Hill Road Harwinton	none	Town of Harwinton John Fredsall	highways@harwinton.us (860) 485-9051