



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Freshwater & Biological Monitoring
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CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

BOB MARTIN
Commissioner

Dr. Stewart Farrell, Executive Director
Stockton State College Coastal Research Center
30 Wilson Ave.
Port Republic, NJ 08241

November 5, 2014

Dear Dr. Farrell,

This is to confirm the work to be performed at Deal Lake, Monmouth Co., NJ, by Stockton State College for the State of New Jersey Department of Environmental Protection (NJDEP). The purpose of this work is to obtain sediment core samples for physical analysis and chemical testing. Pursuant to the "Deal Lake Sampling Plan and Site Chart," provided to you on October 24, 2014, Stockton State College will collect thirteen (13) sediment core samples at this lake. NJDEP has agreed to pay the fee of \$5998.33 for these services which Stockton had quoted on October 24, 2014.

Please contact me if you have any questions. Thank you.

Sincerely,

Leslie McGeorge
Administrator
Bureau of Freshwater and Biological Monitoring

cc: J. Reading, NJDEP/WMS
V. Poretti, NJDEP/BFBM



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

OFFICE OF DREDGING AND SEDIMENT TECHNOLOGY

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CHRIS CHRISTIE

Governor

KIM GUADAGNO

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BOB MARTIN

Commissioner

To: Jeffrey Reading, Administrative Analyst
NJDEP Budget and Finance

From: Suzanne Dietrick,
Supervising Environmental Specialist
Office of Dredging and Sediment Technology (ODST)
Site Remediation Program

RE: Deal Lake Sediment Sampling Plan

Date: October 23, 2014

Below is the Sediment Sampling and Analysis Plan (SSAP) for the proposed Deal Lake dredging project.

Sediment Sampling/Analysis

The enclosed sampling plan was developed utilizing a plan entitled "Location Plan, Deal Lake Commission, Deal Lake Dredging for the Deal Lake Commission, Monmouth County" dated November 22, 2013 which included a hydrographic survey of the lake performed on October 15, 2013, and the Department's technical manual entitled "The Management and Regulation of Dredging Activities and Dredged Material in New Jersey's Tidal Waters" (Dredging Manual), October 1997.

The attached sampling plan identifies 13 core sampling locations for the project. Page 9-11 and Appendix A of the Department's dredging technical manual provides the sampling methodology for the collection of sediment samples.

Each core sample shall be taken to the project depth (-4 feet below MLW). Field logs of each core shall be submitted. **Each core shall be homogenized unless there are distinct strata in grain size and composition, at least two feet in depth. The Department shall be immediately notified of any cores that exhibit grain size stratification prior to homogenizing. It may be necessary for the Department to modify the composite scheme described below based on the actual core samples collected.**

Each core shall be analyzed for grain size, total organic carbon, and percent moisture. **If the grain size analysis of any of the cores shows that the sediment is greater than 90% sand, please contact ODST immediately. No further chemical testing would be required on those cores and they would not need to be included in the composite sample for chemical testing. However, this sediment plan and composite schedule is approved assuming grain size is less than 90% sand for all cores, and differing from that plan warrants ODST notification.**

Analytical testing may only be performed on the composite of core samplings if the grain size among the identified sample cores is uniform. Composite samples must be made up of equal amounts of the homogenized core sample. The following identifies the compositing scheme for the project:

Composite A – Cores 1, 2
Composite B - Cores 3, 4
Composite C – Cores 5, 6 and 7
Composite D- Cores 8, 9
Composite E- Cores 10,11
Composite F - Cores 12, 13

The composite samples shall be analyzed for:

- Grain size, percent moisture and Total Organic Carbon (TOC).
- Bulk sediment chemistry consisting of semi-volatile organics, pesticides and metals. The target analyte list can be found in Appendix B, Attachment 1 of the manual.
- Modified Elutriate Test as found in the U.S. Army Corps of Engineers Waterways Experimental Station Environmental Effects of Dredging Technical Note, EEDP-04-2 (June 1985). The same target analytes required above, should be analyzed for in the modified elutriate test. Analysis for both the dissolved and suspended fractions is required for metals.
Note: This analysis is only necessary if hydraulic dredging is proposed with a point discharge from an upland confined disposal facility for any of the sediments to be removed from the lake.

Please note laboratories used to perform the testing required herein must be certified by the Department for the particular analytical method to be performed. Current certification status should be verified with the Office of Quality Assurance (609) 292-3950. The Department recommends determining the volumes required for the needed tests with the laboratories prior to sampling. Any data package submitted to the Department shall comply with the QA/QC requirements outlined in Appendix B of the Dredging Manual. It is requested that data package be provided to the Department on a CD. In addition, it is requested that a data summary table of the results in an Excel spreadsheet be provided with the data package.

SOURCE DISCLOSURE CERTIFICATION FORM

Contractor: Stockton College, RSC Coastal Research Solicitation Number: _____

I hereby certify and say:

I have personal knowledge of the facts set forth herein and am authorized to make this Certification on behalf of the Contractor.

The Contractor submits this Certification in response to the referenced contract issued by the Division of Purchase and Property, Department of the Treasury, State of New Jersey (the "Division"), in accordance with the requirements of N.J.S.A. 52:34-13.2.

Instructions:

List every location where services will be performed by the Contractor and all Subcontractors.

If any of the services cannot be performed within the United States, the Contractor shall state, with specificity the reasons why the services cannot be so performed. Attach additional pages if necessary.

Contractor and/or Subcontractor	Description of Services	Performance Location[s] by Country	Reasons why services cannot be performed in US
RSC Stockton College	Core Sampling, Deal Lake	Monmouth County, NJ, USA	
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Any changes to the information set forth in this Certification during the term of any contract awarded under the referenced solicitation or extension thereof will be immediately reported by the Vendor to the Director, Division of Purchase and Property (the "Director").

The Director shall determine whether sufficient justification has been provided by the Contractor to form the basis of his certification that the services cannot be performed in the United States and whether to seek the approval of the Treasurer.

I understand that, after award of a contract to the Contractor, it is determined that the Contractor has shifted services declared above to be provided within the United States to sources outside the United States, prior to a written determination by the Director that extraordinary circumstances require the shift of services or that the failure to shift the services would result in economic hardship to the State of New Jersey, the Contractor shall be deemed in breach of contract, which contract will be subject to termination for cause pursuant to the State of New Jersey Standard Terms and Conditions.

I further understand that this Certification is submitted on behalf of the Contractor in order to induce the Division to accept a bid proposal, with knowledge that the Division is relying upon the truth of the statements contained herein.

I certify that, to the best of my knowledge and belief, the foregoing statements by me are true. I am aware that if any of the statements are willfully false, I am subject to punishment.

Contractor: Stockton State College, RSC Coastal Research Center
 [Name of Organization or Entity]

By: Stewart Farrell Title: DIRECTOR

Print Name: STEWART FARRELL Date: 10/24/2014