

New Jersey Department of Environmental Protection

REQUEST FOR PROPOSAL

AVALON MARSH RESTORATION – ANALYTICAL SERVICES

September 18, 2014

Project Objective: to determine background concentrations of dioxins and furans (PCDD/Fs) in surface sediment at the Avalon marsh site proposed to be used for a pilot thin-layer dredged material placement and wetlands restoration project.

The Analytical Laboratory will provide the following services, supplies, and reports to the NJDEP Division of Fish and Wildlife (NJDFW):

- (1) Analysis of eleven (11) marsh/mudflat sediment samples and one (1) combined field/trip blank for dioxins/furans (17 congeners) using USEPA Method 1613B. The sediment samples will be homogenized in the field to the extent possible; additional homogenization by the laboratory may be needed after shipment. Achieved analytical detection limits must be no greater than the following (expressed on a sediment dry weight basis) –

• 2,3,7,8-TCDD:	0.10 pg/g
• 1,2,3,7,8-PeCDD:	0.10 pg/g
• X-HxCDD:	0.10 pg/g
• 1,2,3,4,6,7,8-HpCDD:	0.15 pg/g
• OCDD:	0.13 pg/g
• 2,3,7,8-TCDF:	1.3 pg/g
• X-PeCDF:	0.10 pg/g
• X-HxCDF:	0.07 pg/g
• X-HpCDF:	0.08 pg/g
• OCDF:	0.10 pg/g

X = each individual congener

In its response to this RFP, based on its experience with analyzing fine-grained sediment, the analytical laboratory will indicate the detection limits it is capable of achieving.

- (2) Analysis of eleven (11) marsh/mudflat sediment samples for per cent moisture and grain size distribution (mass basis).

In its response to this RFP, the analytical laboratory will identify the methods it will use for these analyses.

- (3) Fourteen (14) sample containers, decontaminated and cleaned by the analytical laboratory, suitable (type, size, cap, etc.) for the purpose of DEP's collection of sediment and the analytical laboratory's subsequent analysis of the dioxin/furan concentrations in marsh sediment.

In its response to this RFP, the analytical laboratory will identify the size, type, and cap for the containers it will provide.

- (4) One (1) combined trip/field blank, solid or aqueous matrix.

In its response to this RFP, the analytical laboratory will identify the type of trip/field blank it will provide.

- (5) Suitable shipping container for the supplies and collected sediment samples.

- (6) Quality Assurance/Quality Control (QA/QC) program, including the following minimum components:

- NJDEP or NELAC certification for USEPA Method 1613B.
- Method Blank
- Standard Reference Material (or equivalent)
- Laboratory Control Samples
- Surrogate Matrix Spike Recovery
- Internal Standards Recovery
- Chain of Custody documentation, consistent with the NJDEP Field Sampling Procedures Manual.

In its response to this RFP, the analytical laboratory will provide a brief summary of its QA/QC Program

- (7) Summary Project Narrative/Data Report – two (2) hard copies and four (4) CD-ROMs, including compilation of the sample and QA/QC data in an appropriate Excel file. This report will be provided to the NJDEP within thirty (30) days of the date of receipt of the sediment samples by the analytical laboratory.

In its response to this RFP, the analytical laboratory will provide a brief summary of the contents of its typical Summary Project Narrative/Data Report.

In addition, in its response to this RFP, the analytical laboratory will provide costs for the expedited delivery of the Summary Project Narrative/Data Report within (a) 24 days and (b) 18 days of the date of receipt of the sediment samples by the analytical laboratory.

(8) Complete analytical data package – one (1) copy on CD-ROM.

Interested analytical laboratories will provide the above required information and a bid for the requested services to the NJDEP no later than COB on September 24, 2014. The bid for the requested analytical services will include line item costs for each Item 1-8 above, as well as the total cost for all services to be provided. Responders to this RFP will provide this information to the following NJDEP staff by e-mail:

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Dave Golden Dave.Golden@dep.nj.gov

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Due to the short time frame required by the NJDEP to implement the sample collection activities associated with the RFP, the NJDEP will not accept nor answer any questions regarding the contents of this RFP and the services to be provided by prospective bidders.