

February 9, 2008
Proposal for Providing Low Level Mercury Sampling Services to Satisfy NJDEPs POTW
Effluent Testing Requirement for Major Dischargers

Background

You are receiving this email because you are a major discharger who should have received a letter from NJDEP requiring sampling of your final effluent for mercury using EPA Method 1631E with a Recommended Reporting Limit of 1 ng/L. The objective of NJDEPs sampling requirement is to characterize effluent mercury loads before and after mercury recovery equipment is installed in dentist offices as required by the Mercury Amalgam Rule (NJAC 7:14A-21.12

http://www.state.nj.us/dep/dwq/7_14a/sub21rule.pdf). NJDEP will use this data to assess the effectiveness of the Amalgam Rule on the release of mercury to collection systems and the environment. NJDEP is requiring the first round of sampling to be completed by June 30, 2008 and the second round between February 1, and July 30, 2010. The requirement is to conduct this sampling three times for each sampling period at no less than 30 day intervals. At a meeting with the Association of Environmental Authorities on January 22, 2008, NJDEP indicated additional information regarding the sampling program would be posted on the NJDEP DWQ website. This information was posted on February 7, 2008 and can be found at:
http://www.state.nj.us/dep/dwq/pdf/Mercury_Monitoring_Guidance.pdf.

Some of the clarifications NJDEP provided during the meeting were:

1. Sample results will not be used to develop effluent limits.
2. The samples should be grab samples and taken separately from other plant sampling activities.
3. EPA Method 1669 "clean methods" sampling techniques must be used.
4. Blank samples must be collected to characterize the degree of field contamination.

HydroQual has the expertise and experience to conduct this sampling. A brief description of our qualifications for low level sampling is attached. We are available to assist you in the collection, analysis and reporting of effluent mercury results in satisfaction of NJDEPs requirements. Other information on low level mercury sampling can be found at <http://www.hydroqual.com>

Scope of Work for the Initial Sampling Round to be Completed by June 30, 2008

- All samples will be collected in accordance with NJDEPs Field Sampling Procedures Manual and EPA Method 1669 Trace Metals sampling protocols.
- Only laboratories certified for EPA Method 1631E will be used for sample analysis.
- Sample bottles and mercury free laboratory blank water will be provided by the analytical laboratory.
- All other necessary equipment and supplies for the sampling will be provided by HydroQual.
- Sample dates and times will be coordinated with the POTW.
- Effluent grab samples will be collected from a maximum distance of 10 feet from the sample source.
- A field blank will be prepared at the effluent sampling location.
- A trip blank will be included with the sample shipment.
- Samples will be shipped to the certified laboratory for analysis.
- We will receive and review analytical results and QA/QC data, review results with POTW and prepare a letter report presenting the results to NJDEP. This letter report can be sent by the POTW or by HydroQual on behalf of the POTW.

Cost

- HydroQual will conduct this sampling at a lump sum cost of \$3000 for the three sampling events required by NJDEP.
- Influent sampling, although not required, is recommended because it provides a better basis for evaluating the effectiveness of source control and also can be used to estimate removal through the POTW. The total additional cost to include influent sampling concurrently with the NJDEP sampling is a lump sum of \$300 for three sampling events.
- Costs for other samples such as pump stations, manholes and tap water will be provided separately depending on the locations and equipment requirements.

Contacts

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Payment Terms

- \$2000 to be paid within 30 days of authorization to proceed
- Balance immediately upon receipt of letter report.

Signed authorization must be received by **February 29, 2008** to allow completion of all required sampling by June 30, 2008. The sampling program will commence between March 10 and April 11, 2008. By endorsing below I authorize HydroQual, Inc. (HydroQual) to proceed with the scope of services described above in accordance with the terms and conditions included. The services authorized and associated costs include:

- NJDEP required sampling- \$3000
- Concurrent influent sampling- \$300 (cross out if not authorized)

Upon receipt of this authorization HydroQual will countersign and return a copy to the discharger.

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HYDROQUAL, INC
Signature _____
Name _____
Title _____
Date _____

Acknowledged and Approved:
Entity _____

Signature _____
Name _____
Title _____
Date _____