

ENVIRONMENTAL MONITORING SERVICES

City of Flint Water Pollution Control Facility

The City of Flint Water Pollution Control Facility's Environmental Compliance Unit (ECU) is seeking to establish a three (3) year contract with a full-service environmental laboratory for testing on both a routine and an as-needed basis. Requested services shall be provided to assist with the following programs:

- Monitoring compliance with permits for its sewage plant and municipal storm sewer system,
- Implementing its Industrial Pretreatment Program for regulating the use of sanitary sewers,
- Implementing its Illicit Discharge Elimination Program for regulating the use of storm sewers,
- Monitoring compliance with solid waste disposal regulations and other environmental laws, and
- Monitoring compliance with worker safety regulations pertaining to air quality in sewers.

The contract laboratory shall test samples collected and provided by City personnel to determine composition, properties and characteristics. Sample composition may include: air; industrial wastewater; municipal sewage; sewage sludge; storm sewer drainage; or other materials as necessary. The contract laboratory shall provide testing regularly (weekly, monthly, quarterly, or annually) on a schedule to be provided by the City or a designated ECU representative. The contract laboratory shall also provide non-routine testing on an as-needed basis as requested by the City or a designated ECU representative.

The contract laboratory shall retrieve samples from ECU on a regular schedule set by the City or a designated ECU representative. The contract laboratory shall transport samples via company courier (no commercial service) in a secure and timely manner. Transportation costs shall be included in the bid purchase price and shall not be billed as a separate item.

Quantitative test results shall be obtained for the listed parameters at or below the following levels of concern in these sample matrices:

Parameter	Level of Concern	
	Wastewater	De-watered Sewage Sludge (Total Solids \cong 20%)
Ammonia – Nitrogen (NH ₃ -N)	110 mg/L	NA
Biochemical Oxygen Demand (BOD ₅)	1,196 mg/L	NA
Hexane-Extractable Material (HEM)	100 mg/L	NA
Total Phosphorus	14 mg/L	NA
Total Suspended Solids	570 mg/L	NA
Arsenic	51 μ g/L	75 mg/kg
Benzene	190 μ g/L	NA
Beryllium	NA	5 mg/kg
Cadmium	44 μ g/L	85 mg/kg
Chromium	1,273 μ g/L	NA
Copper	896 μ g/L	4,300 mg/kg
Ethyl Benzene	4,100 μ g/L	NA
Lead	247 μ g/L	840 mg/kg
Mercury	0.012 μ g/L	57 mg/kg
Molybdenum	NA	75 mg/kg
Nickel	543 μ g/L	420 mg/kg
Selenium	NA	100 mg/kg
Silver	19 μ g/L	NA
Toluene	5,600 μ g/L	NA
Total Xylenes	6,800 μ g/L	NA
Zinc	2,626 μ g/L	7,500 mg/kg
Available Cyanide	3,300 μ g/L	NA
*PCBs	0.2 μg/L	NA

***Revised Level of Concern**

The contract laboratory shall have a quality assurance/quality control (QA/QC) program in place that complies with the latest edition of Standard Methods for the Examination of Water and Wastewater, and a copy of said program shall be included with the bid submission. The contract laboratory shall provide validated QA/QC reports with all analytical reports submitted. As a minimum, these reports shall include the following items:

- Test results for reagent blanks
- Calibration check standards
- Replicate samples (where applicable); and
- Warning and control limits used by the contractor for evaluation.

The QA/QC program shall include participation in each annual EPA Discharge Monitoring Report - Quality Assurance (EPA DMR-QA) Laboratory Performance Evaluation Study, in accordance with the instructions for the study.

In the event that an erroneous test result has been reported to the City, the contract laboratory shall submit a written report to the City stating *at a minimum*:

- The reported value that was found to be in error
- The correct value that should have been reported
- Explanation of the cause of the error; and
- Explanation of the corrective action(s) taken (or being taken) to prevent recurrences.

Any such report shall be submitted within ten (10) business days of the contract laboratory having knowledge of the error.

All proposals will be evaluated on the following criteria:

1. Failure to use this bid form shall result in bid disqualification.
2. Failure to bid on all items shall result in an "incomplete bid" determination.
3. List value-added considerations on a separate sheet of paper.

Terms: _____ **Dest:** _____ **Fed. ID#:** _____

Firm Name: _____

Address: _____

City/State/Zip _____

Phone: _____ **Fax:** _____ **Email/Website:** _____

Signed: _____ **Date:** _____

Please submit one (1) original and one (1) copy.

Bid results may be viewed next business online at www.cityofflint.com/purchasing