

## Exhibit A.1

### Protect Title: Mississippi River Water Quality Indicators Mississippi River Bacteria Sampling and Analysis

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**Project Contact:** Curt Fernandez, Manager Minneapolis Environmental Health, 612-673-2175.

**Support Staff:** Tim Jenkins, District Supervisor Minneapolis Environmental Health, 612-673-3694.

Laura Huseby, Code Compliance Officer II Minneapolis Environmental Health, 612-673-3543.

#### **Scope of Services**

Take samples following established Minnesota Department of Health State and EPA analytical methods proper sampling and handling procedures. Samples will be obtained from six established points on the Mississippi River and one established point from Loring Park Point. Initial sample from each location will be logged using a GPS Unit and each subsequent sample will verify sampling location. Samples will be drawn from each site every morning, Monday – Thursday. If necessary, Friday's maybe used as an alternate sampling day for a missed day because of weather, holiday or other unforeseen circumstances. Samples will be delivered to the Minneapolis Health Department labs before noon on the day the sample is taken. Samples will be analyzed for three criteria, Escherichia, Enterococci and Fecal Coliform. Analytical results for all three tests will be provided together. Laboratory results will be reviewed against State standards for Fecal Coliform and EPA guidelines for Fecal Streptococcus and E-Coli. Results will also be reviewed for trends and data comparisons. Data comparison of the three test results for each sample collected will be done for agreement, consistency, correlation and application to future sampling and analysis. At the conclusion of the sampling season a summary report will be prepared.

#### **Project Activities**

1. Laura Huseby will provide training to watershed staff on bacteria sampling and handling procedures.
2. Laura Huseby will introduce watershed staff to Minneapolis Health Laboratory staff and establish sample drop-off procedures.
3. Mississippi Watershed Management Organization Staff will act as primary staff for sampling with Laura Huseby providing back-up support.
4. Minneapolis Health Department Laboratory will provide analysis of samples to Tim Jenkins.
5. Tim Jenkins will provide copies of all sample results to the MWMO.
6. Environmental Services office support staff will enter results into tables prepared by Laura Huesby.
7. Environmental Health Staff will prepare a summary report at he end of the sampling season.

#### **Products or Deliverables**

1. Training of MWMO Staff
2. 728 Samples Drawn (May 5<sup>th</sup> – October 31<sup>st</sup> Schedule)
3. 2184 Laboratory tests, each sample will be tested for three indicators.
4. Data results for each test.
5. Summary report

#### **Schedule of Work**

See application work plan.

#### **Reimbursement Requirements**

Reimbursements must be submitted using the MWMO Reimbursement Form. All receipts and invoices must be submitted with the form. Reimbursement requests may be submitted monthly.

#### **Payment Schedule**

Upon receiving a signed contract, the MWMO will disperse \$7600, or 20% of the total MWMO funding request. No further reimbursement will be made until receipts and invoices are received showing that this initial payment has been spent for reimbursable expenses. The remainder of the MWMO funding will be dispersed upon receiving requests for reimbursement of expenses incurred and paid by Grantee. An amount equal to \$3800, or 10% of the maximum amount of the MWMO Fund Agreement will be withheld until receipt of the final report.

#### **Reporting Requirements**

Final report will be submitted using the MWMO Report Form. Outstanding reimbursement requests and the correlating financial information must be submitted with the final report in order to receive the funding.

## Exhibit A.2

### Protect Title: Mississippi River Water Quality Indicators United States Environmental Protection Agency Sampling Course

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**Project Contact:** Thomas Frame, Supervisor Environmental Management, 612-673-5807

**Support Staff:** Roger Van Tassel, Environmental Inspector Environmental Management, 612-685-8531.

#### **Scope of Services**

Attend a class developed with the US EPA for sampling from the local sewer system. Class will be designed for detection of illegal discharge sources, proper methodology for sampling, equipment selection, chain-of-custody records and laboratory analysis. Class will take place at US EPA training facilities in Denver, Colorado. US EPA will provide training; use of facilities and materials at no cost.

#### **Project Activities**

1. Thomas Frame will arrange logistics for transportation to Denver, local lodging, and local travel.
2. Roger Van Tassel will make arrangements with US EPA for dates of class.
3. Thomas Frame, Roger Van Tassel, Sara Aplikowski and Doug Snyder will work with US EPA on course contents.

#### **Products or Deliverables**

Two staff from Environmental Services, one staff from the Minneapolis Park and Recreation Board and one staff from the Mississippi Watershed Management Organization will attend the US EPA Sampling Course.

#### **Reimbursement Requirements**

Reimbursements will be submitted using the MWMO Reimbursement Form. All receipts and invoices must be submitted with the form. Reimbursement requests may be submitted monthly.

#### **Payment Schedule**

Upon receiving a signed contract, the MWMO funding will be dispersed upon receiving a request for disbursement of funds accompanied by either receipts and /or invoices of expenses incurred or paid for by the Grantee.

#### **Reporting Requirements**

A report on the training and technical information obtained will be submitted to the MWMO.