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### **Notice to Bidders for Letting of December 4, 2020**

#### **ADDENDUM NO. 1 – Issued November 20, 2020**

#### **Sawyer International Airport PFAS Evaluations Negaunee Airport K.I. Sawyer International Airport**

This Addendum provides additional information for potential bidders. Bidders are required to acknowledge receipt of this Addendum in the space provided on the Proposal forms.

### **ADDITIONAL INFORMATION**

#### **Questions Relevant to Both Sites:**

1. Is it acceptable for us to speak directly with EGLE – Bill Harmon to verify intent of work scope?

*All conversations and questions must follow the protocol of the RFP/Q*

2. Can alternative labs be considered, such as ALPHA or PACE if they have appropriate MI laboratory approvals? We have experience with both and have gotten good pricing and good reports/detection limits.

*Alternate labs would be considered, but an audit of capabilities would be required. The lab must be able to demonstrate the ability to process large MIS soil samples > 1kg. This would include drying, sieving, grinding with ring & puck mill, and splitting large soil samples (i.e. rotary splitter or slab cake). Note: the preferred bulk capacity of the ring & puck mill > 500 mg.*

3. Who will be responsible for characterization and disposal of staged IDW?

*The selected consultant.*

Questions Relevant to the Sawyer Site:

1. How/when will we know if the third land application area will be sampled? How do we account for the possibility of sampling in our costs?

*The land application sites required for sampling will only consist of the two bio solid land application areas as represented in the document.*

*Site one will consist of one Decision Unit (DU)*

*Site two will consist of three Decision Units (DU)*

*Two samples, one sample for each decision, plus replicates will be collected from each DU*

*Soil Sampling Direct Contact:* *Collect 100 surface soil increments from systematically random selected locations from each DU. Combine 100 increments to make 1 sample per DU. Collect replicates using same procedure.*

*Soil Sampling Ground Water Protection:* *Collect 50 cores from each DU [surface to groundwater (@ 30 ft.)] from 50 systematically random selected locations within each DU. Sub-sample each core and combine all core increments from the 50 cores to make one representative sample for each DU.*

2. Section 9.2, #2 indicates that the Contractor will prepare an RFP to solicit drillers and install monitoring wells. Will this be necessary as part of the scope of work, or is the expectation that costs for a drilling subcontractor will already be reflected in our cost proposal such that an additional bidding step will not be needed?

*The K.I. Sawyer International Airport site does not have monitoring well placements during this investigation phase, an RFP for drilling subcontractors will not be required.*

*The Negaunee Airport site includes monitor well installation requiring a drilling subcontractor and the cost for the drilling subcontractor will be included in the total cost of the proposal.*

3. Section 9.2 #2 also indicates the driller costs are, in part, for well installations. Proposed monitoring well locations are also shown on Figures 3 and 4. However, the scope of work does not appear to include any well construction components. Please clarify.

*Section 9.2 (2) can be disregarded for the K.I. Sawyer International Airport RFP. During this investigation phase monitor wells are not planned.*

4. The DQO Table (page 11) describes each land application area as a “Decision Unit” (DU) and states that 50 cores will be advanced at 50 locations within each unit, with soils aggregated to provide one composite sample per DU (i.e., 2 samples total). Figures 3 and 4 define a “Decision Unit” as a 50- by 50-foot investigation area. Seven DUs are shown on Figure 3 and 21 are shown on Figure 4. At one sample per decision point, this would include 28 samples. Also, at 50 borings per DU, this would

involve 1400 soil boring locations to 30'. Please clarify the relationship between the "DUs" or sample locations shown on Figures 3 and 4, and the target sampling of 50 locations per DU stated in the DQO Table.

*Figure 3 and 4 for the K.I. Sawyer Proposal reference several Decision Units, while the scope of work reference one Decision Unit for site 1 and three Decision Units for Site 2. The K.I. Sawyer International Airport Proposal will require a total of four Decision Units between the two sites, reference in figure 3 and 4, and 50 cores per DU for a total of 200 cores. For each DU, each core will be sub-sampled, and all sub-sampled cores combined to make one sample per DU for a total of four samples.*

5. The project description on Page 5 of the RFP discusses "Phase 2" as installing lysimeters to estimate the PFAS infiltration rate in soils. The scope of work in Section 9 and the DQO Table on Page 12 define Phase 2 as collection of surface water samples. Please clarify whether lysimeters are expected?

*The original plan for the installation of lysimeters was planned, but due to recent activities with recent bio solid land application lysimeters are excluded.*

6. The RFP contains Data Quality Objectives related to the Applied Biosolids Sampling component, but not the WWTP and Sanitary Sewer Sampling component. Will Data Quality Objectives be shared for the WWTP and Sanitary Sewer Sampling component?

*A data quality objective plan will not be provided for the WWTP, the sampling protocol for the WWTP and sanitary sewer will follow the guidance of section 10.3.*

7. Section 10.2 of the RFP says that samples will be analyzed for 28 PFAS compounds per MPART. The DQO Table on pages 11-12 indicates that samples will be analyzed for only selected PFAS compounds (e.g., soil samples for evaluating groundwater protection indicate analysis for seven PFAS compounds and surface water samples for only two compounds). Please clarify the project analyte list.

*Plan on 28 PFAS compounds, but the analytes may be adjusted while developing the sampling plan after awarded.*