Airport Services Center: 125 G Avenue • Gwinn, MI 49841 • www.sawyerairport.com

Airport Administrative Office (906) 346-3308
Water/Wastewater Department (906) 346-3137
Maintenance Department (906) 346-4336

Notice to Bidders for Letting of December 4, 2020

ADDENDUM NO. 2 – Issued November 24, 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 the Sawyer Site:

1. Can alternative sampling plans/suggestion be proposed?

   Alternative sampling plans may be entertained, but sampling protocol must be based on Theory of Sampling. Alternative sampling plans will be evaluated to ensure clear and concise objectives, one sample plus replicates as required per objective, and that the sampling protocol accounts for all sampling errors (random and bias). It is critical that the alternative plan requires increments (proper mass, number, and shape) be collected at random, using the correct tools, from throughout the entire decision unit. Also sampling variability must be characterized by a quantitative measure i.e. variance.

2. K.I. Sawyer – Surface Water Sampling
   a. Is the use of an isokinetic sampling device required for surface water sampling or could another approved method/technique be utilized?

The assumption is PFAS are associated with particle matter in the stream. Sampling from streams that contains entrained particles is difficult. If the fluid is homogenous, the sampling is relatively simple since the fluid has the same consistency throughout the flow area. This is not the case with fluids like streams having entrained particles. Particle concentration changes because of the flow pattern inside the fluid stream. Isokinetic samples are designed to capture this variation particle concentration and therefore produce a more representative sample. An alternate method may be proposed but will require details on the technique and instruments utilized and must be able to demonstrate the ability to provide an accurate representation of PFAS contamination contained in the water.

b. If the use of an isokinetic sampling device is required, please confirm details on the table on page 12 of the RFP – i.e., divide a cross section of Halfway Creek into equal width increments, collect a sample from each increment, and repeat this three times (4 hours apart).

The sampling technique required for the isokinetic sampling is correct as referenced in the table on page 12. Here is the USGS reference used to develop the plan https://pubs.er.usgs.gov/publication/twri09A4

c. Please confirm if the samples from each increment described in the table on page 12 of the RFP are to be composited into a single surface water sample.

That is correct, the desired result is to have a composite single surface water sample.

d. Please confirm if surface water sampling is limited only to Halfway Creek. Rationale for question is that page 5 of the RFP specifies surface water sampling in Halfway Creek but Figure 2 shows 2 proposed surface water sampling locations in Stump Lake and 4 in Halfway Creek.

Please disregard the sampling of Stump Lake, the scope of work is focusing on Halfway Creek.

e. Please confirm the number of desired rounds of surface water sampling (i.e., one round or multiple).

The surface water sampling will consist of sampling the four sites identified in the Figure 2 of the RFP, three separate times at four hour intervals.

Questions Relevant to the Former Marquette County Airport Site:

1. Negaunee - Surface Water Sampling
    a. Please confirm surface water samples are intended to be grab samples.

    The surface water samples shall be grab samples.

2. Has a Phase 1 ESA been completed at the Former Marquette County Airport Site?

    At this time, we assume there may not have been any assessment completed on the site.

Addendum No. 2 Issued November 24, 2020
Sawyer International Airport
Sawyer International Airport PFAS Evaluations