Bid Waiver Form

Revised 01/2023

Short Description of Goods/Services	PFAS Investigation for Darwin Training Area Locations	**Total Cost**	$75,265.50

Vendor Name	ORIN Technologies	**MUNIS #**	30472	**Req #**	986

Purchasing Officer	Peter Patten	**Date**	1/20/2023
Department	Airport	**Email**	kirchner@msnairport.com
Name	Michael Kirchner	**Phone**	608-246-3393

A VENDOR QUOTE MUST BE ATTACHED TO THE WAIVER FOR APPROVAL

Provide a detailed description of the goods/services intended to be purchased:

The Dane County Regional Airport spearheaded an initial investigation for the presence of PFAS at the Darwin Training Area location at the Dane County Regional Airport. The attached proposal is for the completion of the environmental investigation at the Darwin Training Area site in order to determine the extent of contamination of PFAS. The work will also include studies that show the direction of ground water flow.

Prior to the investigative services beginning in the Darwin Training Area, it is unknown to what scale there is contamination. Therefore, this proposal is a best estimate at this point in time but additional services may be required as the investigation services progress. This bid waiver requests the authorization of additional environmental investigation services from ORIN Technologies for the Darwin Training Area site, if necessary.

The results of the environmental investigation will then be used to develop the remediation strategy and plan.

Send to a Purchasing Officer Once Completed

Bid Waiver Form

Revised 01/2023

Procurement Exception List
☐ Emergency Procurement
☒ Unique and specific technical qualifications are required
☒ A special adaptation for a special purpose is required
☐ A unique or opportune buying condition exists
☒ Only one vendor possesses the unique and singularly available ability to meet the Department's requirements

Provide a detailed explanation as to why the competitive bidding (RFB/RFP) process cannot be used. Also provide a detailed justification in relation to the Procurement Exception(s) chosen:

The Dane County Regional Airport partnered with the Wisconsin Air National Guard to conduct a pilot study done by ORIN Technologies in an attempt to significantly reduce the levels of PFAS in the pilot area at the airport. This was done in coordination with the Wisconsin Department of Natural Resources. This pilot study was successful in reducing levels of contamination and the airport is now looking to implement this practice on a much larger scale.

ORIN Technologies developed the groundbreaking remediation process to be used on the site and is currently the only company in the United States who has and uses this type of technology.

This proposal is the first step in the process to determine the extent of contamination and will be the basis for developing and transitioning into remediation plan. Therefore, it is imperative to use the product developer for investigative services in order to help design the remediation plan using their innovative technology.

Bid Waiver Approval (For Purchasing Use Only)	
☐ Under $43,000 (Controller)	
☒ $43,000+ (Personnel & Finance Committee)	**Date Approved:**

Send to a Purchasing Officer Once Completed

PROPOSAL

Delineation of the Darwin Training Area
Dane County Regional Airport (DCRA)
Madison, Wisconsin

Prepared for:
Dane County Regional Airport (DCRA)

ORIN Technologies, LLC. (ORIN), which has expertise in both in situ and bioremediation, has prepared this document for delineation of the Darwin Training Area at DCRA Madison, Wisconsin.

Larry Kinsman, Geologist
Principal
ORIN Technologies, LLC

ORIN Technologies

Mike Kirchner
Dane County Regional Airport (DCRA)
4000 International Lane
Madison, WI 53704

Subject: Proposal for site investigation activities at a Darwin Training Area location.

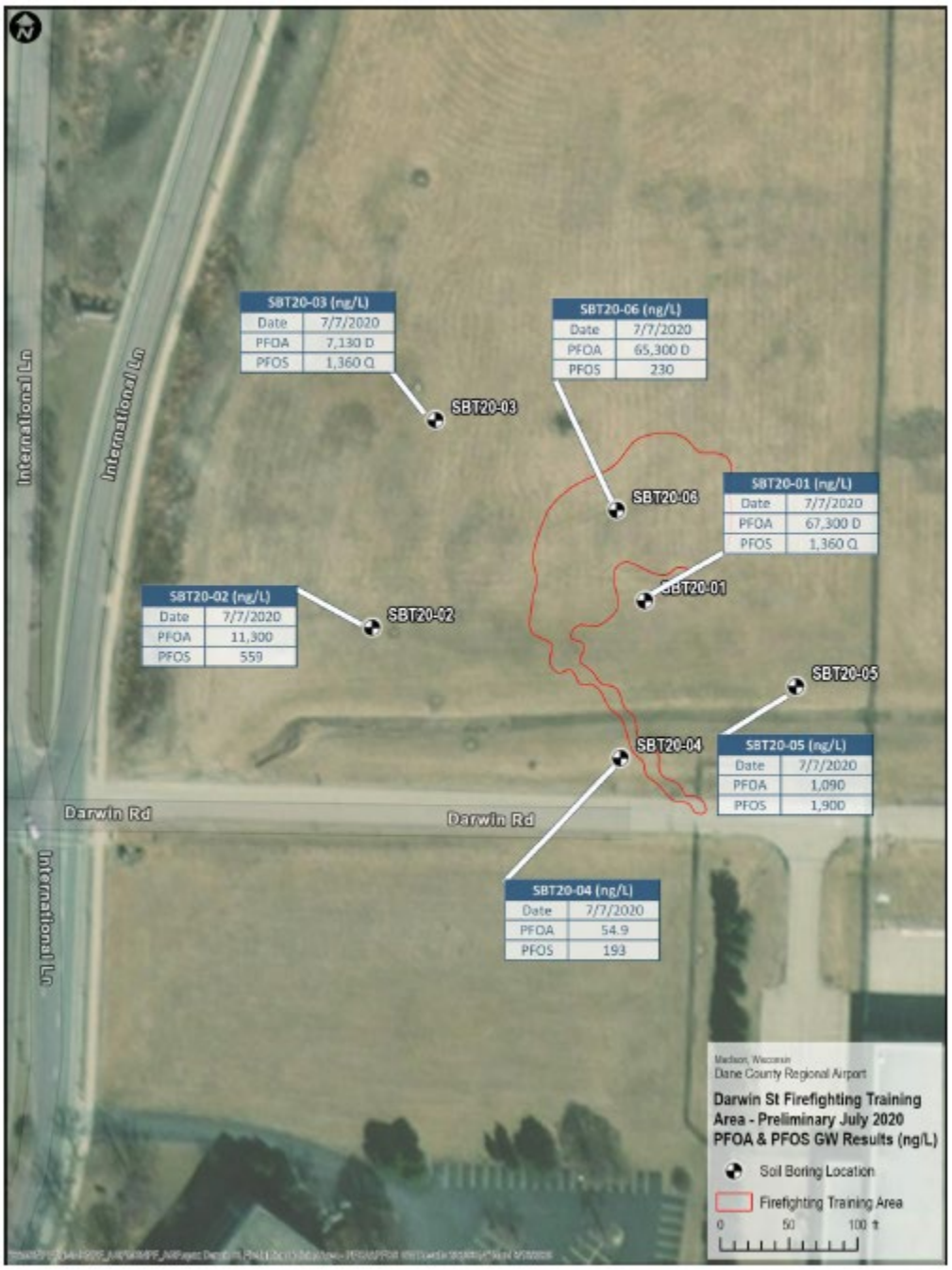
Dear Mr. Kirchner:

ORIN is pleased to submit to you for your consideration this proposal for the completion of an environmental site investigation (SI) at the Darwin Training Area (DTA) location in Madison, Wisconsin. The following sections describe ORIN's understanding of the site as well as an investigative strategy and estimated schedule of costs.

Background

ORIN understands that there are surface water and groundwater PFAS impacts that have been previously identified at the DTA site; surface water impacts have been documented in adjacent surface water features. Six sampling locations from an initial investigation were used to collect data for boring logs, PFAS analyses of soils, and PFAS analyses of groundwater. The initial investigation indicates that the saturated zone at the DBP site varies from 10 to 18-feet below grade surface (bgs). Unsaturated and saturated soils consist of interbedded sands, silts, and clay overlying a uniform, fine sand at a varying depth. Initial soil samples have found varying elevated PFAS concentrations near the surface and as deep as but not limited to 11ft. Initial groundwater samples indicate PFOA and PFOS concentrations as high as 67,300 ng/L and 1,900 ng/L, respectively. The extent of PFAS groundwater impacts is not fully understood or delineated. See figure 1 for the previous sampling locations.

Figure 1. Previous sampling locations of the Darwin Training Area



Scope of Work

The proposed tasks and their descriptions are provided in this project Scope of Work below.

Task 1: Work Plan and Health & Safety Plan Development

ORIN along with Shannon and Wilson (S&W) will generate a simple project work plan that will describe an investigative strategy for determining the nature and extent of PFAS impacts to the subsurface soil and groundwater at the site. The work plan will describe the means and methods for the completion of soil borings and groundwater monitoring wells at the site. In addition, the work plan will describe the handling and management of investigative derived wastes (soil, groundwater, and PPE) generated during the site investigation process.

A Health & Safety Plan (HASP) will be prepared for the sake of on-site work and bystander safety. It will include a cursory discussion on the physical and chemical hazards associated with the proposed field activities.

Task 2: Site Investigation

The Site investigation is anticipated to consist of an evaluation of two potentially impacted resources: soil and groundwater. Approximately 10 to 15 soil borings will be completed. Two soil samples will be collected from each of these borings at different depths and submitted for PFAS chemical analysis. It is anticipated that discrete soil samples will also be submitted for total organic fluorine.

It is anticipated that five Chapter NR 141 monitoring wells will be installed at the site. These five wells will be water table wells with 15ft screens installed adequately above the water table to account for seasonal water table fluctuations. Soil and groundwater sampling methodology will be described in the project work plan. Locations of the soil borings, monitoring wells, and piezometer will be determined based on a review of the existing investigative reports.

Investigative Waste Management

Unless directed otherwise, residual soil that is not submitted for chemical analysis will be contained in 55-gallon open top steel drums, sealed, and then staged at a secure location on-site. Purge and monitoring well development water will also be contained and staged on-site pending chemical analytical results.

Task 3: Site Investigation Report

A formal report will be provided describing the field investigation activities and any deviations from the work plan due to the occurrence of subsurface field conditions. Chemical analytical results will be compared to the WDNR's soil

residual contaminant levels provided in WDNR Chapter NR 720 Wis Admin Code or the EPAs Regional Screening Levels (RSLs) for PFAS.

The SI report will contain daily Field Activity Reports (FARs) that provide narrative and photographic documentation of the SI field investigation activities. Additional site investigation work may be required based on the results of the soil sample chemical analysis. The scope of the any additional SI investigation work or long-term monitoring would be determined based on discussions with the site representative.

Estimated Project Costs

Estimated costs for the tasks described above are based on a cost-plus fixed fee time and materials basis. Rates provided on the attached Fee Schedule. We will not exceed the estimated amount without written authorization.

Orin Technologies PFAS Site Characterization		
S&W Labor & Expenses		**Estimated**
Project Management	**$**	**2,100.00**
Work Plan/Simple H&S Plan Development	**$**	**5,275.00**
S&W Field Work - Field Oversight & Documentation		
Estimated Field Oversight	**$**	**7,600.00**
Direct Costs-Equipment		
Estimated Direct Costs	**$**	**1,398.00**
Subcontracted Services		
Laboratory Fees & Expenses		
Estimated Laboratory Fees	$	33,534.00
Drilling Subcontractor		
Estimated Driller Fees	$	18,043.50
Estimated Subcontractor Cost	**$**	**51,577.50**
Field Activities Documentation Report		
Estimated Field Documentation Report	**$**	**7,315.00**
Estimated Project Costs	**$**	**75,265.50**

Project Cost Assumptions

Estimated costs provided above are based on the following assumptions.

- Simple work plan and Health & Safety plans are sufficient for initiation and completion of field activities.
- Field staff will be provided access to the site.

- A Quality Assurance Project Plan (QAPP) is not needed for the completion of the proposed investigation activities.
- S&W and ORIN will have an opportunity to review existing consulting reports, documents, laboratory analytical reports, or any other documentation prior to the development of the simple work plan.
- DCRA will supply existing drawings or maps in a common format (GIS, AutoCad) for use in data evaluation and report writing.
- Additional fees accrued by drilling or laboratory service providers will be charged at service provider actual rate plus 15%.
- Costs for surveying and private utility locates are included in the drilling cost estimate.
- Utility marking in restricted areas will be the responsibility of the site owner.
- Estimated costs do not include monitoring well abandonment or disposal of investigative derived wastes/groundwater.
- Assumes that changes to state and federal regulations will not affect the proposed scope of work.

Schedule

It is anticipated that field investigation activities could start within 2-weeks of receipt of written proposal acceptance. (Schedule will be dependent upon utility clearance and availability of drilling contractor.) Field activities can be completed within 5 full 8 to 10-hour workdays.

Standard laboratory analytical turn-around times are 7 to 10-working days from time of sample receipt. Note that laboratory turn-around times can be accelerated. However, data delivery surcharges are added to the analytical costs for accelerated laboratory turn-around times.

If this proposal meets with your approval, please sign in the space provided below and return one signed copy of this letter, which will serve as your authorization to proceed with the stated work.

Signature:_____.

Print:_____.

Date:_____. Title: .

ORIN Technologies, LLC.
405 Investment Court, Verona, WI 53593 Phone: 608-838-6699 Fax: 608-838-6695