

# Scope of Work Format

Commonwealth of Pennsylvania  
Department of Environmental Protection

Scope of Work  
*June 10, 2020*

*Benner Township PFAS Investigation  
Benner Township, Centre County*

Prepared by  
*Cheryl J. Sinclair  
Environmental Cleanup and Brownfields  
NCRO*

## **I. Site Description and Background**

- *The site is located in Benner Township, Centre County, Pa along High Tech Road.*
- *PFAS chemicals are a class of chemicals used in the manufacture of a vast number of materials, including but not limited to AFFF fire-fighting foam, Teflon, Scotchguard, and other materials with similar properties. In 2016 the EPA set a HAL for two PFAS chemicals (PFOA and PFOS) that combined may not exceed 70 ppt.*
- *During summer 2019, as part of the Water Supply Program sampling protocol for PFAS in water supply wells, the water supply well for a facility called State of the Art, located at 2470 Fox Hill Road was sampled and analyzed for PFAS. The analyses indicated that PFAS was present at a concentration of 114 parts per trillion (ppt) for combined PFOA and PFOS. Upon resampling the well as required, these results were confirmed. The combined PFOA and PFOS concentrations exceed the EPA's Health Advisory Level (HAL).*
- *State of the Art is located across Fox Hill Road from the University Park Airport, owned and operated by Penn State University. AFFF fire-fighting foam was used at the airport for testing mandated by FAA. Upon request by PA DEP, Penn State University sampled three on-site wells for PFAS, and analytical results were not only below those at State of the Art but also below the HAL.*
- *Samples were collected by DEP at two known facilities that utilize water supply wells along High Tech Road, and analytical results at both facilities exceeded the HAL.*

## **II. Objectives**

- *DEP would like to determine the extent of the PFAS groundwater plume in the vicinity of the High Tech Road location.*
- *Properties along High Tech Road are currently for sale and there are tentative plans for redevelopment of some of these properties.*

- *DEP would like to complete this work beginning in the fall of 2020..*

### **III. Tasks**

- *In order to determine the extent of the groundwater contaminant plume, groundwater monitoring wells will need to be installed in the area of concern. We expect between three and five monitoring wells would be required to initially delineate the plume and attempt to identify a source.*
- *Current known water supply wells will be resampled as part of the investigation, if access is possible.*
- *Groundwater contours will need to be understood in order to determine the flow path of the contaminant plume. The area of concern is underlain by karst geology.*

### **IV. Reference Materials**

- *DEP will provide all sampling and analysis data that we have collected, along with maps of locations from which samples were collected.*

### **V. Special Requirements**

- *Penn State University is working cooperatively with DEP by supplying water quality information from existing monitoring wells located on the University Park Airport property.*
- *Benner Township will be approached by DEP for access along the Right-of-Way on High Tech Road, and perhaps Fox Hill Road. DEP will arrange access to the existing wells that are to be sampled for which access agreements are required.*

### **VI. Deliverables**

- *DEP will expect a Work Plan including proposed locations of the groundwater monitoring wells, along with a schedule for anticipated completion. DEP will also expect the Final Report to include sampling and analysis of the groundwater monitoring wells, including tabulated lab results and groundwater elevations and groundwater contour and isoconcentration maps of the PFAS levels.*

(a) Reports and Plans:

- Draft & Final Work Plan
- Draft and Final End-of-Project Report

(b) Other Deliverables:

- Daily Activity Reports
- Project Status Reports
- Meeting Minutes
- Water Sampling and Analysis Results
- Groundwater Contour Maps and Isoconcentration Maps
- Waste Certificates of Disposal for IDW

## **VII. Conflict of Interest Determination**

- *Penn State University; Benner Township; Matreya, Inc; State of the Art; Nittany Express; and Handy Delivery Taxi Company are entities potentially involved with this investigation.*