

Date 28 July 2011
To Bob Brock (USACE)
CC Joe Malen (DPW)
From Sarah Belway, PE
Subject **Final Vadose Zone Soil Gas Probe Decommissioning at Taku Gardens (FWA 102 Former Communications Site)**

This Work Plan Addendum describes planned activities for work to be conducted at Taku Gardens (FWA 102 Former Communications Site) at Fort Wainwright, Alaska (FWA). The activities described in this Work Plan Addendum will be conducted in accordance with all plans and procedures outlined in the *Fort Wainwright Post Wide Work Plan* (U.S. Army Corps of Engineers [USACE], Alaska District [2011]). Appendices to the Work Plan include the Site Safety and Health Plan, Field Sampling Plan, Quality Assurance Project Plan, Environmental Protection Plan, Storm Water Pollution Prevention Plan, Stockpile Construction Plan, and Waste Management Plan.

The objective of the field effort is to decommission and properly dispose of existing vadose zone soil gas probes located at Taku Gardens (FWA 102 Former Communications Site). The locations of these probes are depicted on Figure 1.

Site Background

Fifty-three vadose zone soil gas probes were installed in open areas of Taku Gardens (FWA 102 Former Communications Site) to characterize soil gas in 2007 (USACE 2010). The probes were installed to a depth of approximately 5 feet below ground surface.

Field Activities

The soil gas probes will be removed using hand tools or mechanical equipment, if necessary. After the probes are removed, the boreholes will be backfilled with clean fill material that is not susceptible to frost heave (i.e. gravel). The site will be restored to match surrounding conditions. Soil sampling is not anticipated under this scope of work. Field logbooks will be used to record fieldwork activities.

Waste Management

The soil gas probes will be disposed at the Fairbanks North Star Borough landfill. Investigation-derived and/or hazardous wastes are not anticipated to be generated during this investigation. If generated personal protective equipment (PPE) will be containerized in an overpack for disposal at a location to be determined by U.S. Army. If encountered, hazardous waste will be disposed of in accordance with the Waste Management Plan, Appendix E to the Work Plan (USACE 2011).

All activities will be conducted in accordance with the Site Safety and Health Plan, Appendix A to the Work Plan (USACE 2011). Field personnel will monitor the breathing zone using a photoionization detector.

References

USACE (U.S. Army Corps of Engineers). 2011 (March). *Fort Wainwright Post Wide Work Plan*. Fort Wainwright, Alaska. Prepared by Jacobs Engineering Group Inc.

USACE. 2010 (December). *Remedial Investigation FWA 102 Former Communications Site*. Fort Wainwright, Alaska. Prepared by CH2MHill.

Figure

Figure 1 Soil Gas Probe Locations

FIGURE

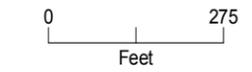


LEGEND

- Site Boundary
- Former Hoppe's Slough
- Excavation Boundary

Location Type

- Vadose Zone Soil Gas Sample Location
- Sub-slab Sample Location



Source: Final Remedial Investigation Report, CH2MHill

**SOIL GAS PROBE LOCATIONS
FORMER COMMUNICATIONS SITE**

FORT WAINWRIGHT, FAIRBANKS, ALASKA

JACOBS

DATE: 28 July 11

PROJECT MANAGER:
S. Belway

FIGURE NO.:
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