



4300 B Street, Suite 600
Anchorage, AK 99503-5922 USA
907-563-3322 Fax 907-563-3320

Technical Memorandum

Date 20 June 2013

To Louis Howard, ADEC and Sandy Halstead, U.S. EPA

CC David Jadhon, USACE Alaska District and Donald Aide, 673 CES/CEANR

From Jill Ladegard, Jacobs

Subject F-22 Weapons Release Shop Ventilated Stockpile Preliminary Confirmation Sampling

This technical memorandum describes the preliminary confirmation sampling activities proposed at the F-22 Weapons Release Shop (WRS) Ventilated Stockpile (VSP) at Joint Base Elmendorf-Richardson (JBER). The VSP was constructed as part of the Non-Time-Critical Removal Action at the F-22 WRS site (Building 17720, JBER-Elmendorf) to treat trichloroethene (TCE)- and tetrachloroethylene (PCE)-contaminated soil. The soil contained within the VSP was excavated prior to the expansion and renovation of Building 17720. Decommissioning of the VSP is scheduled for August 2013. In preparation for decommissioning, we propose to collect a preliminary set of soil samples in order to verify that concentrations of TCE and PCE in the stockpiled soil have declined below the ADEC Method Two Migration to Groundwater Cleanup criteria. If the results confirm that the concentrations are below cleanup levels, system decommissioning will proceed as scheduled.

Per Alaska Department of Environmental Conservation (ADEC) *Draft Field Sampling Guidance* (ADEC, 2010), 14 primary analytical samples are required to be collected from the VSP, which comprises approximately 2,200 cubic yards (cy), in order to completely characterize the soil. As a preliminary characterization, we plan to collect 7 primary soil samples to be analyzed for concentrations of TCE and PCE by the SW8260 method. Samples will be collected in accordance with the approved Field Sampling Plan contained within the *F-22 Weapons Release Shop SVE Installation and Stockpile Construction Technical Memorandum* (USACE 2012). Samples will be collected at various depths and locations throughout the stockpile. Approximate preliminary sampling locations are indicated in Figure 1. The sample results will be documented in a short letter report following the sampling event.

Please let us know if you have any concerns with this interim assessment and do not hesitate to respond with any questions or comments that you may have.

Sincerely,



Jill Ladegard

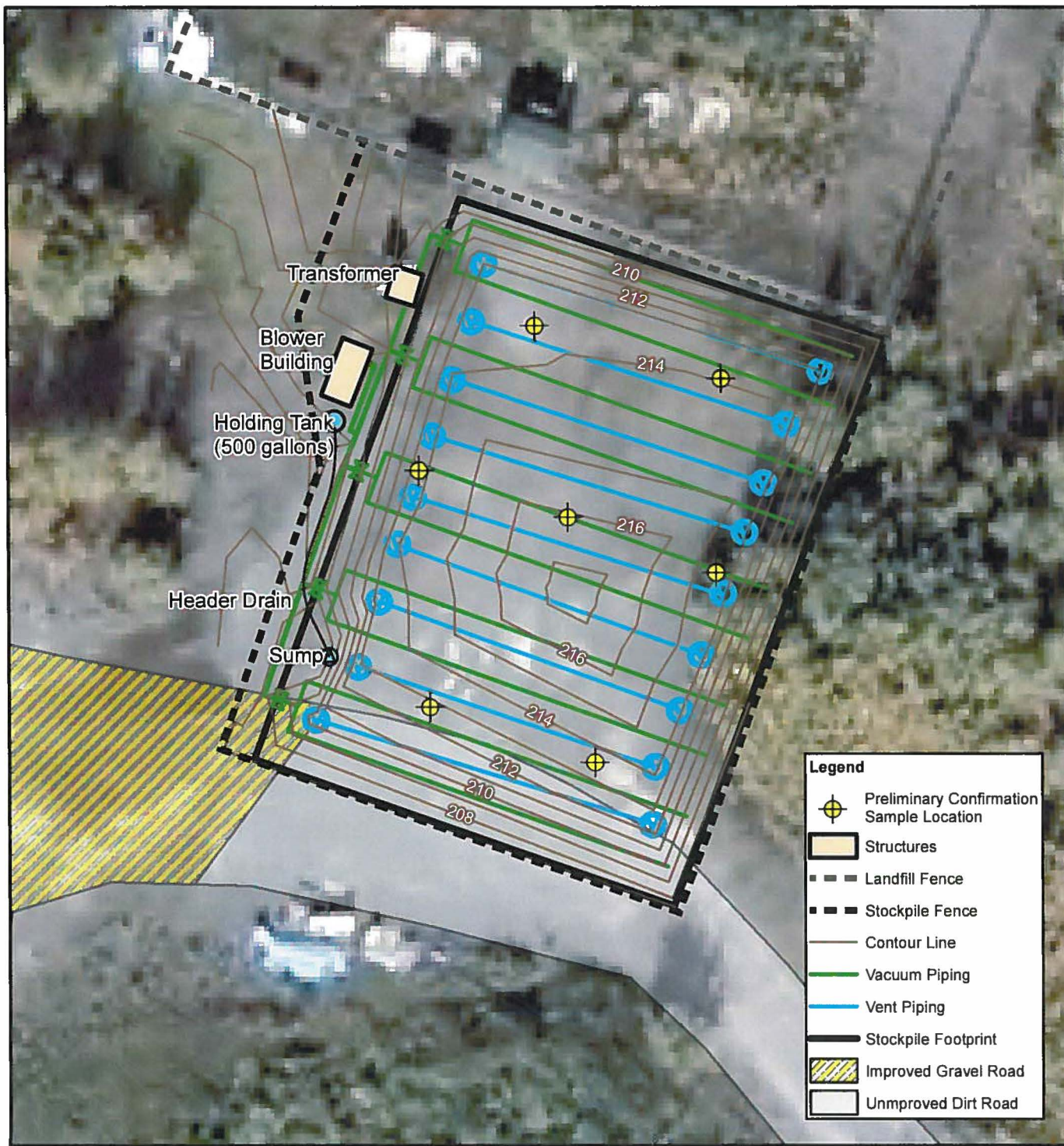
References

ADEC (Alaska Department of Environmental Conservation). 2010 (May). *Draft Field Sampling Guidance*.

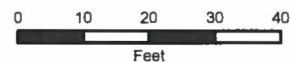
USACE (United States Army Corps of Engineers). 2012 (April). *F-22 Weapons Release Shop SVE Installation and Stockpile Construction Technical Memorandum, Final*. JBER Alaska. Prepared by Jacobs Engineering Group Inc.

Figures

Figure 1 Ventilated Stockpile Preliminary Confirmation Sample Locations



All Locations Are Approximate



WGS 1984 UTM Zone 6N

VENTILATED STOCKPILE SVE SYSTEM LAYOUT

JOINT BASE ELMENDORF-RICHARDSON

JACOBS

DATE:
20 JUN 2013

PROJECT MANAGER:
J. LADEGARD

FIGURE NO.
1