

AFCEE Galena Triad Meeting No. 6

ATTENDEES: See Attached
FROM: CH2M HILL
DATE: August 16, 2011

The Galena Triad meeting/teleconference was attended by members of the Air Force, ADEC, ADOT, CH2M HILL, and Booz Allen Hamilton. Please see the attached **Galena Triad Team Contact List** for attendees.

The meeting followed the standard agenda setup for the Galena Triad calls.

Agenda:

1. Safety moment
2. Status update for field work activities
3. Review of action items and conclusions from previous Triad meeting. Approval of minutes
4. Discussion of new site data and evaluating progress toward Work Plan objectives
5. Identifying additional work needed and/or concurrence that Work Plan objectives have been met
6. Open discussion of other items
7. Schedule update for upcoming activities

Status Update of Field Work Activities

Two DPT rigs are onsite and working. Stepouts at UST1859 and borings at S1850 and SS021 are in progress.

Robert Thompson/CH2M HILL presented an update to the IRA excavation work. The large northern excavation at SS005 is wrapping up. A sketch of the excavation side wall and floor confirmation sample results was presented. We went north an additional 10 feet chasing contamination, and estimate that we need to go another 10 feet, as there are still VOCs in the northern and western side walls. We need to backfill by 8/18 for school starting Monday. The plan is to start backfilling in the SE corner and excavate in the north at the same time to get as much soil removed as possible.

The smaller southern excavation at SS005 is also wrapping up; we are going to about 13' chasing the contamination. This is deeper than originally planned.

The AST1569 excavation began today.

The residential wellhead treatment systems were installed on the Thurmond and Burgett wells this week.

Review of Action Items, Approval of Minutes

- Excavation screening methods – Robert Thompson/CH2M HILL presented additional data from the soil analysis using SiteLab. Fred will review and provide a decision on the approved field screening number this week, via a letter of approval. From the data presented, Robert suggested a screening number of 1200ppm.
- ADEC approved abandoning well 2541-MW-04 to facilitate SS016 excavation activities. CH2M HILL will send ADEC a query of the well data and ADEC will send an official approval letter for the abandonment.

New Site Data and Evaluating Progress toward Work Plan Objectives

- SS017 Source Area Delineation – Discussed new data at GP002, GP005 and GP008, and agreed to extend the excavation further to the east as close to the utilidor as possible. ADEC also suggests installing additional borings to delineate eastern extent of contamination as well as extending excavation.
- UST15783 Stepouts – Agreed to two additional stepouts as presented on the figure (for VOCs and hydrocarbons). The AF hopes to be able to close the UST and if needed, document the source of the non-UST related contamination.
 - The chromatogram was posted to the SharePoint site following the meeting
- AOC023 – Agreement that the nature and extent investigation is complete.

Open Discussion for Other Items

A discussion on spill reporting was held. ADOT requested that they be notified right away per the Right of Access agreement. Notification can be made through Sam and Colette. ADEC also requested that they be immediately notified of all spills, even if the spill is under the 10 gallon quantity listed in ADEC regulations. ADEC has a call-in phone and fax line specifically for spill reporting.

- Action – the AF will submit reports for the 2 spills that occurred this week to ADOT and ADEC.

Discussion was held on the possibility of receiving ADOT approval for the wells within the runway protection zone (RPZ) and runway safety area (250' from the centerline of the runway). Wells will not be approved by ADOT in these areas. The AF and BAH are meeting with ADOT and ADEC next week and will discuss the options for these wells. CH2M HILL will send Colette a figure with the requested relocated wells and will specify height of drill rig.

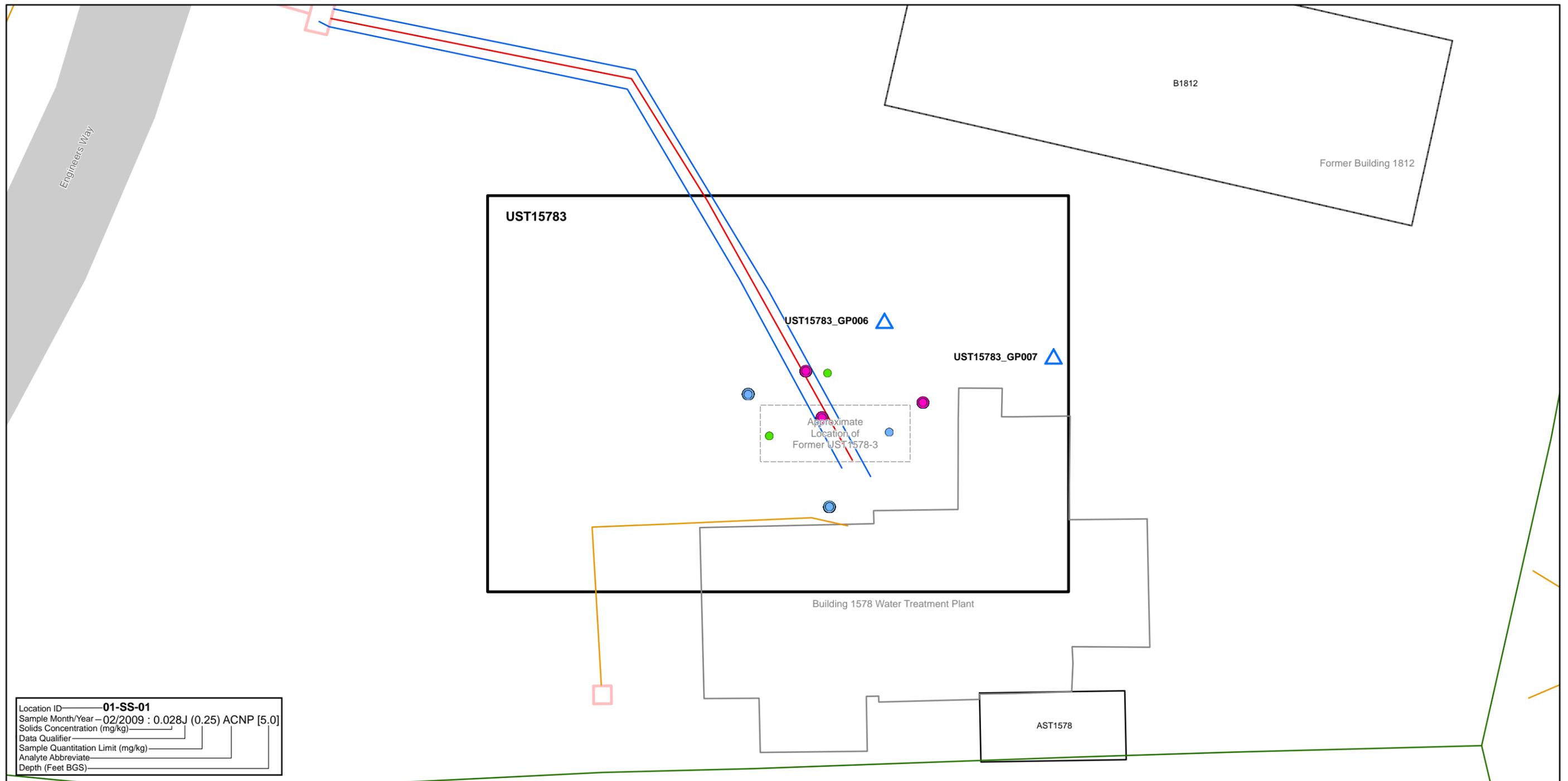
ADEC has reviewed the draft redline changes to DQO4 and will not approve it as is. They do not agree with the rationale presented, and will send formal comments on the DQO to the AF. In addition, ADEC does not agree with the mass flux language indicating the use of a centerline of wells. ADEC reiterated their point that the DQOs were written for POL sites, and TCE needs to also be considered at Galena.

Schedule Update for Upcoming Activities

The next RAB meeting will be scheduled for October/November 2011. BAH will provide the date.

The next Triad meeting is scheduled for Tuesday, September 13, 10:00 a.m. to noon Alaska time.

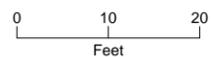
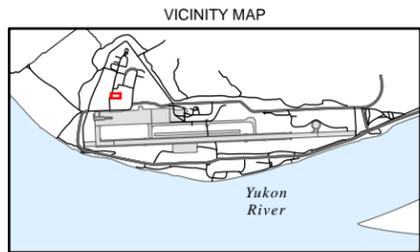
Attachment: Galena TO 294 Triad Team Contact List



Location ID: **01-SS-01**
 Sample Month/Year: 02/2009 : 0.028J (0.25) ACNP [5.0]
 Solids Concentration (mg/kg): _____
 Data Qualifier: _____
 Sample Quantitation Limit (mg/kg): _____
 Analyte Abbreviate: _____
 Depth (Feet BGS): _____

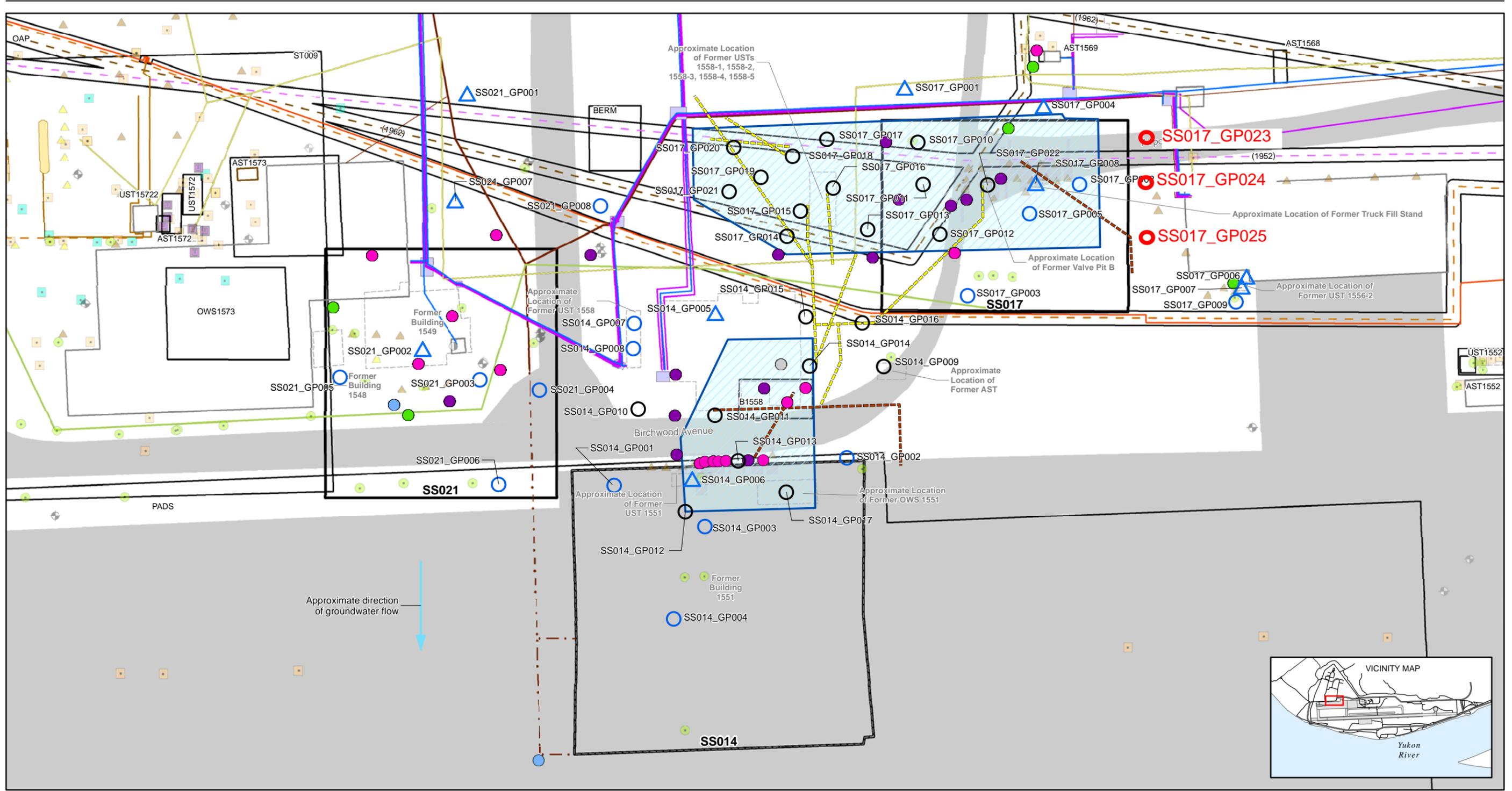
LEGEND

- | | | |
|--|-------------------------------|---|
| UST15783 | Utility Locates - 2010 | Historical Sample Exceeds Screening Level (Greater than 10X analyte SL) |
| Adjacent Site | Electrical Line | Historical Sample Exceeds Screening Level (1 to 10X analyte SL) |
| Road | Communications Line | Historical Sample Does Not Exceed Screening Level |
| Approximate Location of Former Feature | Potable Water Main | Proposed Soil/Groundwater Sample |
| Structure | Sanitary Sewer Main | |
| | Concrete Pad | |



- Notes:
- J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
 - S - The sample results are unvalidated and should be used for screening purposes.
 - Scarlet Label = Sample Exceeds Screening Level (Greater than 10X analyte SL)
 - Blue Label = Sample Exceeds Screening Level (1 to 10X analyte SL)
 - SL = Screening Level

Site Name: UST15783
Investigation Type: SC
Analytes: All Exceedences
Media: Soil
SLs: Soil Extent
Data Range: 2010



LEGEND

- | | | | | |
|--|---|---|---|--|
| <ul style="list-style-type: none"> SS014, SS017, SS021 Adjacent Site Airfield Surface or Road Approximate Location of Former Feature Structure Proposed Excavation Limits Abandoned Fuel Line (1952) Abandoned Fuel Line (1962) Electrical Line Heating/Cooling Line | <ul style="list-style-type: none"> Main Storm Sewer Line Abandoned Wastewater Line Main Wastewater Line Service Wastewater Line Water Line Manhole Junction Area Valve Pit Fuel Tank Active Fillstand Area Removed Fillstand Area | <p>Historical Sample Location</p> <ul style="list-style-type: none"> Excavation Sample Soil Boring Surface Soil Sample Hydro Punch Monitoring Well Abandoned Monitoring Well Production Well Soil Vapor Sample Vapor Monitoring Point | <ul style="list-style-type: none"> Proposed Soil Sample (Source Area Delineation) Proposed Soil Sample (Nature and Extent Delineation) Proposed Soil/Groundwater Sample Sample Exceeds Screening Level (Greater than 100X analyte SL) Sample Exceeds Screening Level (Greater than 10X analyte SL) Sample Exceeds Screening Level (1 to 10X analyte SL) Sample Does Not Exceed Screening Level All Records are Non-Detect | <p>Other Utilities Identified from Geophysical Survey</p> <ul style="list-style-type: none"> Underground Pipe, Inactive Underground Conduit, Inactive |
|--|---|---|---|--|

Note:
 1. Exceedance determined using VOC and non-VOC soil data from 1992 and 2007 to 2010.
 2. The groundwater flow direction shown is the predominant direction that persists from late August through breakup of the Yukon River (approximately May 15). Groundwater flow directions during the remainder of the year are directed away from the Yukon River and are oriented approximately due north (exact direction will vary depending on time and location).

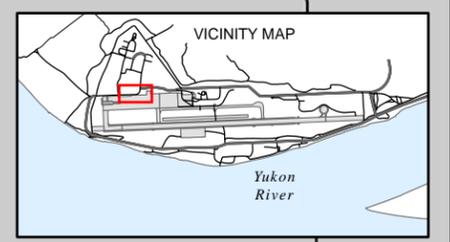
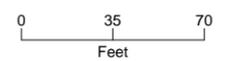


FIGURE D12-SS014, SS017, AND SS021 Proposed Sample Locations
 Work Plan for Site Inspection, Remedial Investigation, and Site Characterization
 Former Galena Forward Operating Location, Alaska