

# Since the last CAG Meeting...

- The AOU-1 RI Report is final and will be publicly available on the website very soon.
  - The boundary lines for AOU-1 have been redrawn
  - Minimal risk was found in tested structures
- We will host a Public Meeting sometime around May to discuss the Final RI Report and Draft Final Focused Feasibility Study
  - We will need help spreading the word about the Public Meeting
- OU-2 Update
  - General information tonight
- Sampling on SLC VHA Campus showed elevated levels of PCE in the soil-gas near Building 6 and Building 7.
  - The following week, we tested for Vapor Intrusion in Building 6, Building 7, The Valor House and Daycare Facility.
    - Some detections found in Building 6.
    - No detections in The Valor House of Daycare facility. (VA tested these two facilities out of an abundance of caution)

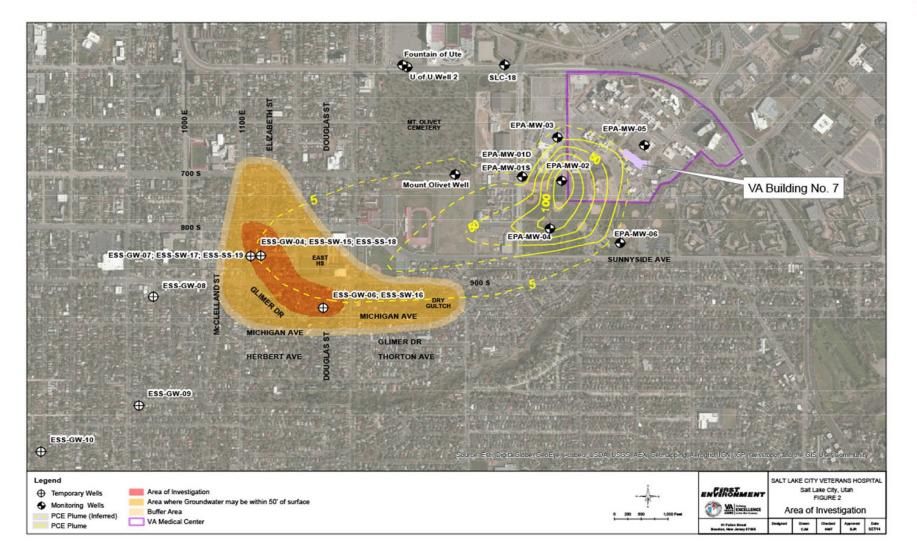
# For reference:



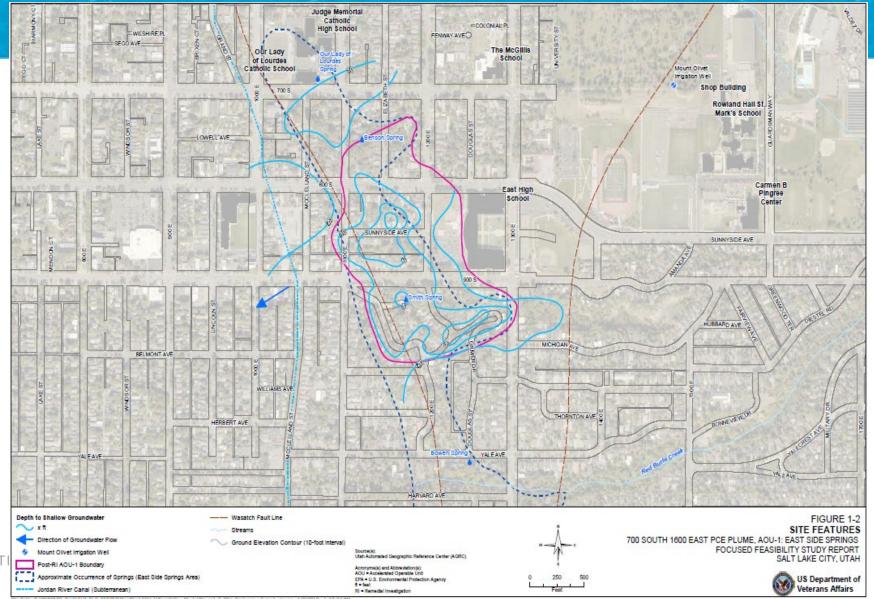
VETERA

US Department of Veterans Affairs

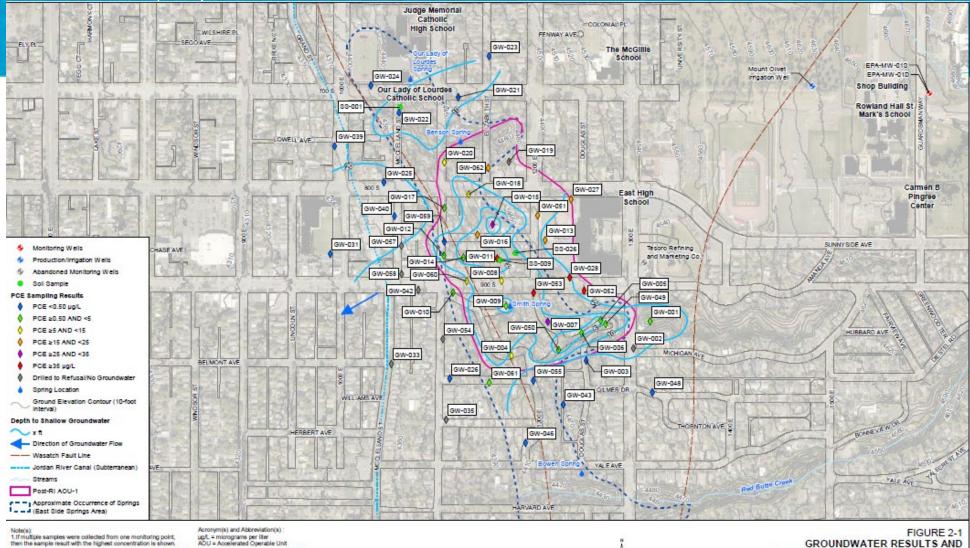
# 700 South 1600 East PCE Plume Former Boundary



# **700 South 1600 East PCE Plume** Updated Boundary



700 South 1600 East PCE Plume Updated Boundary w/ Results



2. The residential groundwater to indoor air RBSL for PCE = 15 µg/l

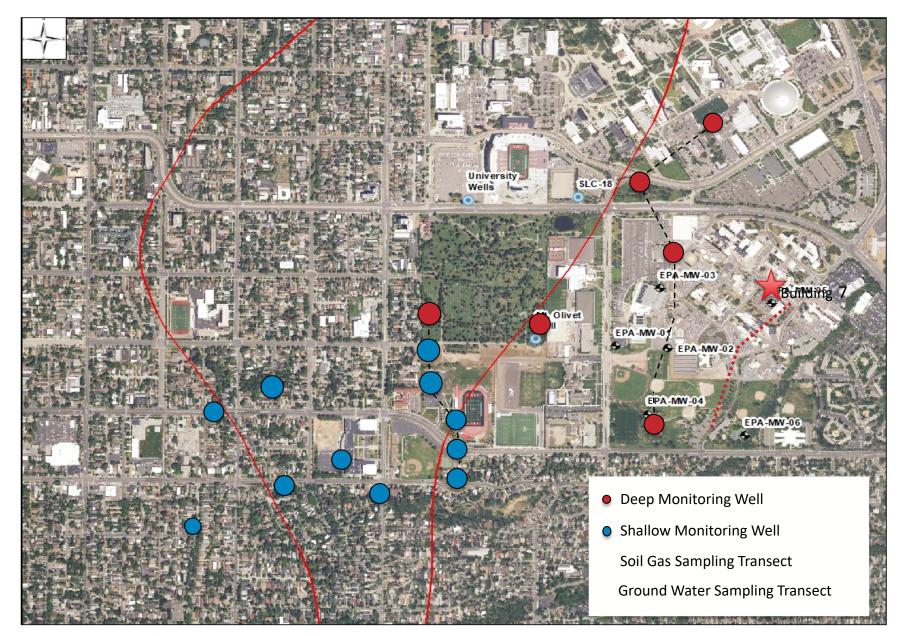
Utah Automated Geographic Reference Center (AGRC) VETERANS H

EPA = U.S. Environmental Protection Agency MW = Monitoring Well PCE = tetrachioroethene SS = Soil Sample RBSL = Risk Based Screening Level RI = Remedial Investigation

DEPTH TO SHALLOW GROUNDWATER 700 SOUTH 1600 EAST PCE PLUME, AOU-1: EAST SIDE SPRINGS FOCUSED FEASIBILITY STUDY REPORT SALT LAKE CITY, UTAH US Department of

Veterans Affairs

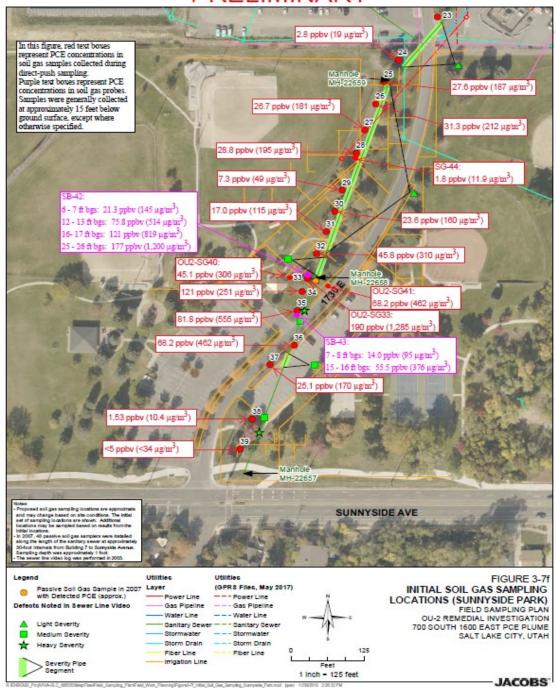
# OU-2 Update: The 2018 Field Season



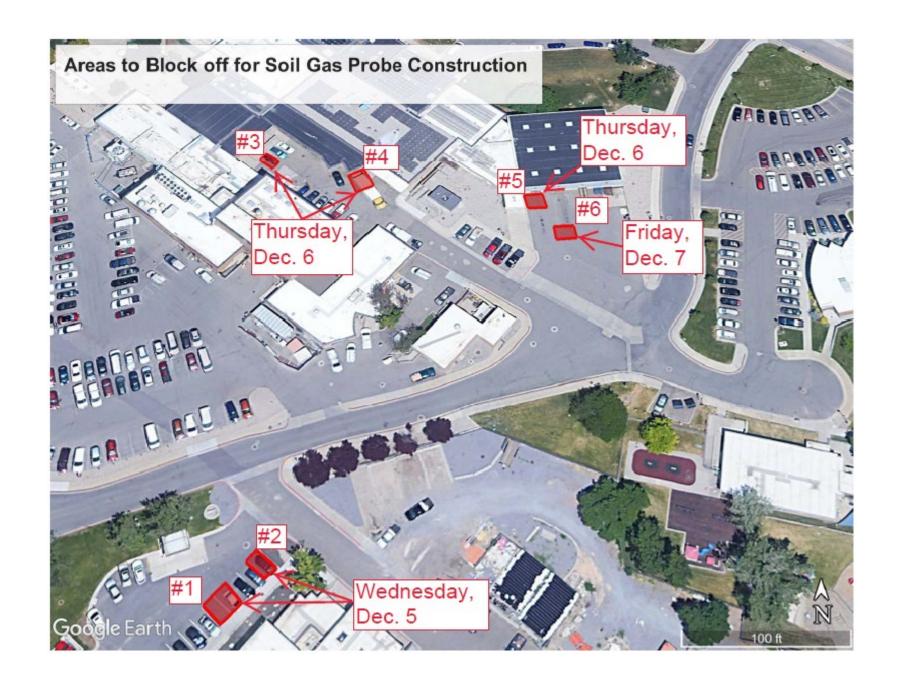
# THE FOLLOWING SLIDES DISPLAY PRELIMINARY DATA. VALIDATION OF DATA IS CURRENTLY UNDERWAY.

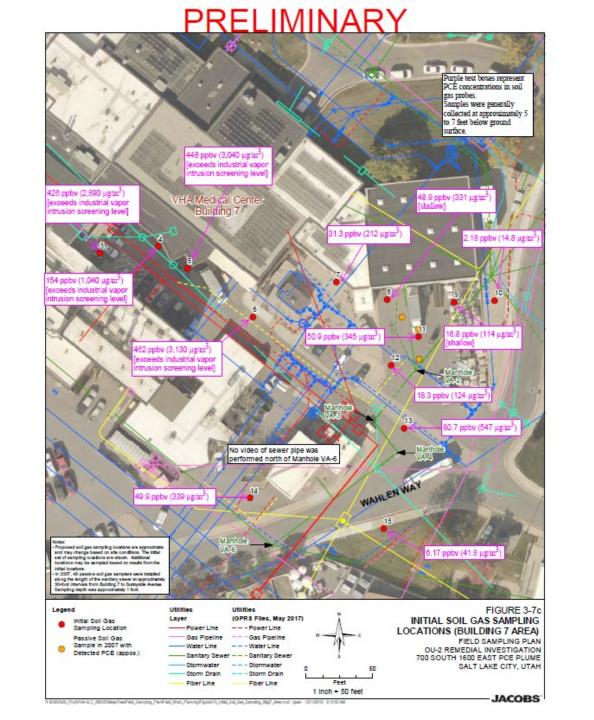
# VHA Campus Sampling

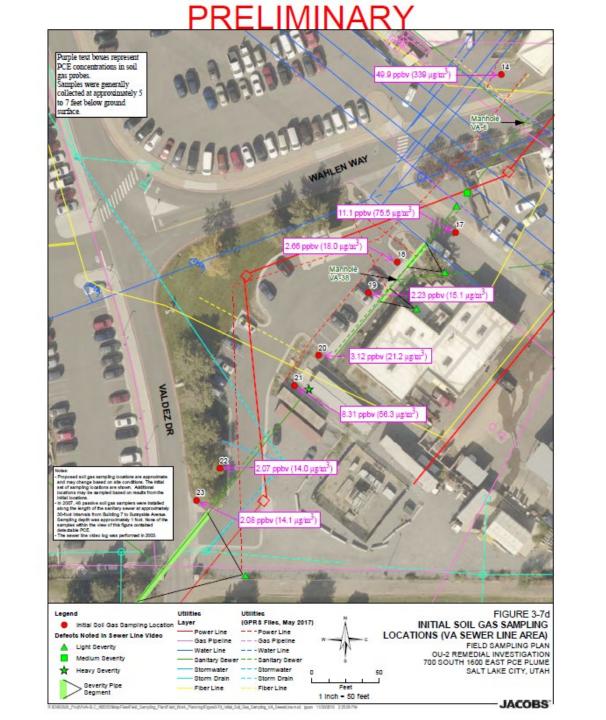
### PRELIMINARY











Purple text boxes represent PCE concentrations in soil gas probes. Samples were generally collected at approximately 5 to 7 feet below ground surface. 1.07 ppbv (7.25 μg/m<sup>3</sup>) FOOTHILL DR FIGURE 3-7e Legend Utilities Utilities INITIAL SOIL GAS SAMPLING LOCATIONS (VA NORTH AREA) (GPR8 Files, May 2017) Initial Soil Gas
 Sampling Location Layer FIELD SAMPLING PLAN
OU-2 REMEDIAL INVESTIGATION
700 SOUTH 1600 EAST PCE PLUME
SALT LAKE CITY, UTAH --- Gas Pipeline - -- Water Line — Sanitary Sewer — — - Sanitary Sewer - -- Stormwater Note:
- Proposed soil gas sampling locations are approximate and may change based on site conditions. The initial set of sampling locations are shown. Additional locations may be sampled based on results from the Storm Drain --- Storm Drain - -- Fiber Line Fiber Line 1 Inch - 100 feet Initial locations. JACOBS: R EDEGGE ProjUNA-G.C. (68555NapFleeFeld, Sampling, PlanFeld, Work, Planning Figure-Fe, India; Sol, Gas, Sampling, VA, Norb, Ava. and Japan. 115052919. 225.52 PM

# Publicly Available Information: The Administrative Record

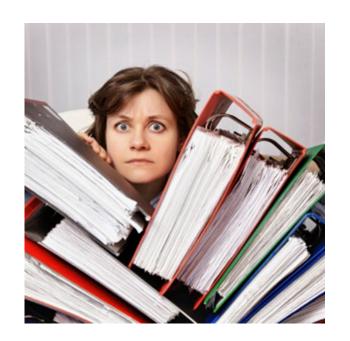
A hard copy of the AR currently resides in the Anderson-Foothill Library...

# **Challenge:**

According to manager of the Anderson-Foothill Library, there is no more space available for our growing administrative record

### **Solution:**

The AR also resides in our website at: <a href="http://pceplume-700s1600e.net/">http://pceplume-700s1600e.net/</a>



# Community Engagement in 2018 & 2019

Introduction

Tetrachloroethylene (PCE) groundwater contamination was first detected at the Mount Olivet Irrigation well in

Quality (UDEQ) conducted several assessments but did

not determine the exact source location. VA's Building 7 was identified as the likely source and then in 2013, the site was put on the National Priorities List, aka "Superfund" list naming the Veteran's Health Administration (SLC VHA) as the Potenially Responsible

implemented is rarely utilized by other Superfund Sites.

of East Side Springs as an Accelerated Operable Unit to

source delineation. The ongoing investigation of the PCE

Watershed and the complicated geology contributing to

**Investigation Process** 

immediately tested for vapor intrusion then focus on

Plume gives important insight to the Red Butte Creek

By starting at know locations of PCE, VA defined the area

the early 1990s during routine sampling of their

Party. The investigative process the SLC VHA

allow local homes, schools and businesses to be

the hydrologic knowledge this watershed.

irrigation well. The U.S. Environmental Protection Agency (EPA) and Utah Department of Environmental

- 2018 Salt Lake City Watershed Symposium
- 2018 Red Butte Creek Watershed Symposium
- 2019 Jordan River Counsel Water Board

### A National Priorities List Superfund Site In Our Own Backyard. The 700 S. 1600 E. PCE Plume.

http://pceplume-700s1600e.net/ dlynne.welsh@va.gov

### Mitigation Methods



### AOU East Side Springs Investigation

- Field work conducted over 3 years, 2015 thru 2017
- Sampled a total of 52 structures in East Side Springs
- Sampled a total of 100 groundwater and surface water locations
- Kept 10 temporary monitoring wells in place
- Installed 12 permanent monitoring wells
- Ecological screening
- Risk assessment
- Finalizing remedial investigation report
- Developing focused feasibility study

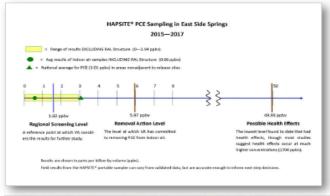
### PCE Plume Investigation

- Detailed stratigraphic profiles of East Bench area
- Deep Monitoring Well cross section by the VA
- Shallow Monitoring Well cross section by East High School
- Model of pre/post 2004 GW and contaminant fate and transport
- Age dating and mixing Isotopic studies



### **Preliminary Results**

CARE in the 21st Century





### Resources & Acknowledgements

Thank you to US EPA, UDEQ, CH2M/Jacobs, SLC Corporation, Avalon BES, USACE, CAG, USGS, EA Engineering, Science and Technology, University of Utah.

## **VETERANS HE**

# Acknowledgements

























