

Wickham, Jerry, Env. Health

From: Bob Clark-Riddell <briddell@pangeaenv.com>
Sent: Wednesday, November 18, 2015 4:47 PM
To: Wickham, Jerry, Env. Health
Subject: RE: 1230 14th Street Excavation - Urgent Well Destruction
Attachments: Draft Excavation Plan 11-18-15.pdf

Jerry,

Per your request Pangea coordinated additional delineation north and east of the excavation. As shown on the attached map, the planned excavation will be expanded to the north to meet the revised cleanup goal. The excavation will be extended north about 10 feet and east about 5 ft. Note that the first northern test pit found 34 mg/kg benzene at 13', much higher than prior maximum benzene. This impact will now be removed also.

Contact me with comments on the planned excavation expansion.

Bob Clark-Riddell, P.E.
Pangea Environmental Services, Inc.
510.435.8664 direct

-----Original Message-----

From: Wickham, Jerry, Env. Health [mailto:jerry.wickham@acgov.org]
Sent: Monday, November 16, 2015 6:21 PM
To: Bob Clark-Riddell <briddell@pangeaenv.com>
Subject: RE: 1230 14th Street Excavation - Urgent Well Destruction

Bob,

Based on the information you have presented, it appears that the proposed excavation to the north may be sufficient provided that confirmation soil samples collected at the completion of excavation to the north do not exceed the modified cleanup goals. In addition to the deeper soil samples collected at 10 feet and greater, please collect one confirmation sample between 3 to 5 feet bgs and one soil sample between 6 and 10 feet bgs from the northern wall for confirmation.

I did not see sidewall results from the eastern sidewall, only a floor sample apparently from 9.5 feet bgs. Therefore, it is not clear whether the excavation is sufficient to the east. Further delineation using borings or exploratory trenching to the east may be appropriate. For the eastern, southern, and western sidewalls, please include one soil confirmation sample from approximately 3 to 5 feet bgs and one confirmation soil sample between 6 and 10 feet bgs to demonstrate that shallow soils do not pose a risk and a bioattenuation zone exists for soil vapor.

Regards,
Jerry Wickham
Alameda County Environmental Health

From: Bob Clark-Riddell [briddell@pangeaenv.com]
Sent: Monday, November 16, 2015 4:08 PM

To: Wickham, Jerry, Env. Health
Subject: RE: 1230 14th Street Excavation - Urgent Well Destruction

Hello Jerry,

Based on field observations and analytical results from samples collected during exploratory trenching last week, Pangea prepared the attached draft figure showing our tentative extent of excavation. The planned depth of the excavation is approximately 14 ft. For shoring, we will install a slurry wall adjacent the sidewalk and southern boundary on Tuesday. Excavation and offhaul will be Tuesday, Wed and Thurs. Our goal is to complete the excavation by Thursday this week, and backfill up to 5 ft depth on Friday.

This tentative extent is based on cleanup to revised screening levels from those in the approved workplan. Rather than more conservative Final ESLs in the workplan, Pangea proposes using the ESLs protective of human health of 0.74 mg/Kg benzene and 770 mg/Kg TPHg for residential site use (the anticipated future site use within a residential neighborhood). These screening levels are summarized below.

Screening Level

Benzene

TPHg

Approved Workplan (Final ESLs)

0.044 ppm

100 ppm

Proposed Level (Human Health ESLs, Residential Site Use)

0.74 ppm

770 ppm

Question: As shown on the attached figure, contamination has been delineated to the proposed revised screening level to the south and west. Additional delineation to the north and east can be performed tomorrow if necessary. Otherwise, we can perform compliance sampling along the excavation boundary but we would not plan to overexcavate beyond the boundary at a later date. Would you like additional borings or exploratory trenching to the north and east for further delineation on Tuesday, or do you think we would have performed sufficient secondary source removal?

Bob Clark-Riddell, P.E.
Pangea Environmental Services, Inc.
510.435.8664 direct

From: Bob Clark-Riddell
Sent: Thursday, November 12, 2015 12:43 PM
To: 'Wickham, Jerry, Env. Health' <jerry.wickham@acgov.org>
Subject: RE: 1230 14th Street Excavation - Urgent Well Destruction

Jerry,

Thank you for responding quickly after your return from Veteran's Day. As we discussed, we should have some new soil lab data to discuss on Monday morning regarding the extent of excavation. Bob

Bob Clark-Riddell, P.E.
Pangea Environmental Services, Inc.
510.435.8664 direct

From: Wickham, Jerry, Env. Health [mailto:jerry.wickham@acgov.org]
Sent: Thursday, November 12, 2015 8:11 AM
To: Bob Clark-Riddell <briddell@pangeaenv.com<mailto:briddell@pangeaenv.com>>
Subject: RE: 1230 14th Street Excavation - Urgent Well Destruction

Bob,

The proposed destruction of the monitoring wells identified below is acceptable. Reuse of the shallow overburden soil is also acceptable provided that the sampling is consistent with the PHIS guidance and the sampling results are less than Tier I ESLs.

Regards,

Jerry Wickham
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502
510-567-6791
jerry.wickham@acgov.org<mailto:jerry.wickham@acgov.org>

From: Bob Clark-Riddell [mailto:briddell@pangeaenv.com]
Sent: Wednesday, November 11, 2015 3:33 PM
To: Wickham, Jerry, Env. Health <jerry.wickham@acgov.org<mailto:jerry.wickham@acgov.org>>
Subject: FW: 1230 14th Street Excavation - Urgent Well Destruction
Importance: High

Hello Jerry,

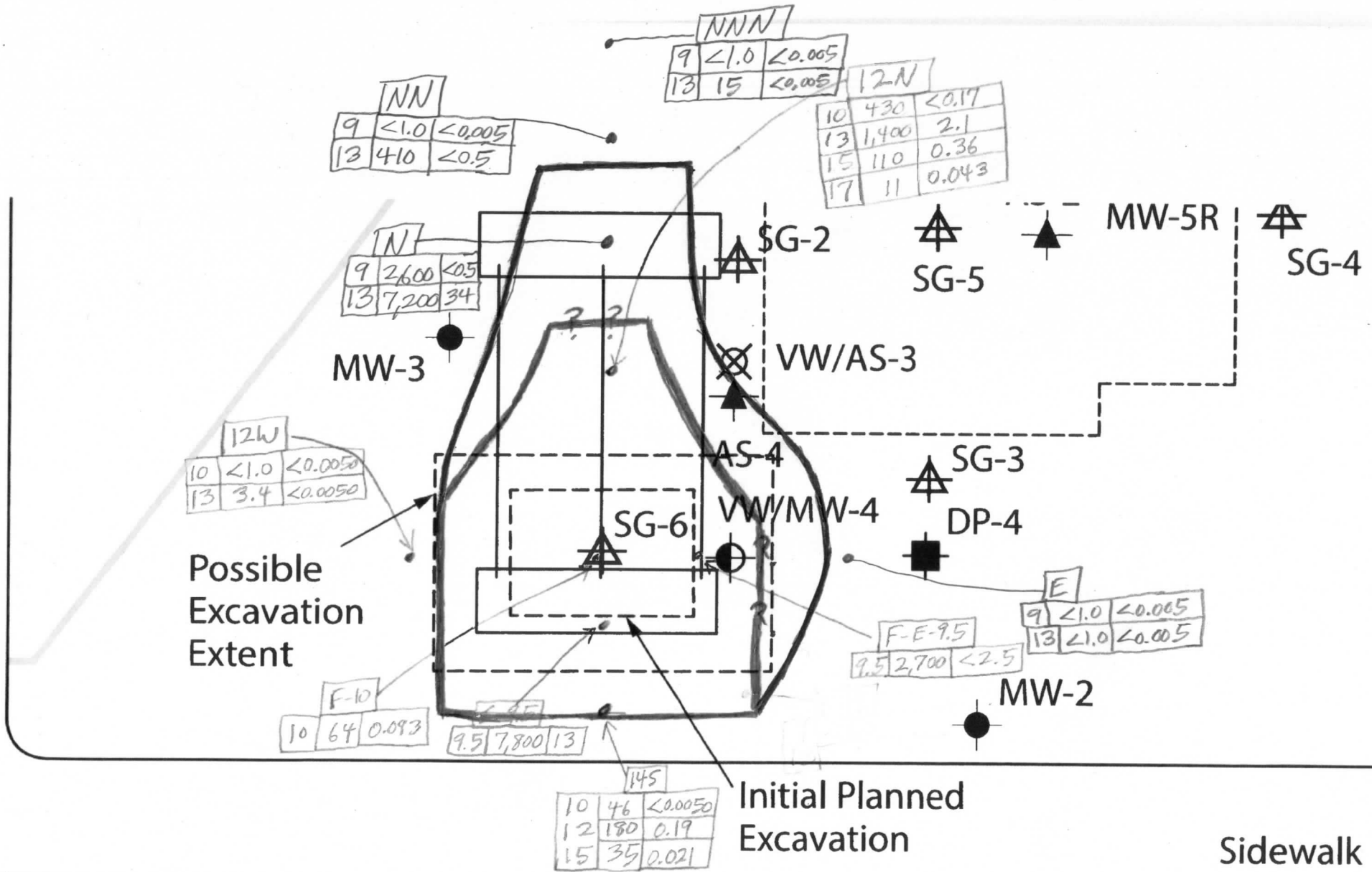
This email follows my voicemail message to you today about the subject site. During today's commencement of the approved soil excavation, we encountered heavy odor and green-stained soil about 8-10 ft depth. We have performed exploratory trenches in each direction to characterize the extent of most significant contamination. Here are some urgent questions.

1. Well Destruction - Due to apparent significant impact extending to the south, we recommend destroying well VW/MW-4 ASAP (this Friday if possible). This well is 20' deep with a 2" casing diameter. During destruction of well VW/MW-4, it makes sense to destroy additional wells at the same time for cost control. Pangea seeks your permission to destroy well VW/MW-4 by pressure grouting, and also wells located further from the excavation activities in progress (such as wells AS-5, DP-3, MW-1, AS-3, DPE-2). The remainder of the site wells, including key perimeter wells MW-6 and MW-7) can be destroyed at a later date after agency noticed of intent to close. Upon your concurrence we would expedite permitting and destruction. Is this acceptable?

2. Overburden Soil Reuse - The shallow overburden soil (about 2-5' depth) appears very clean. We'd like to reuse this soil about 3-6' depth at the site. Consistent with the attached PHIS guidance, we would analyze one sample for every 25 cy of reuse. We expect to reuse about 30-50 cy and analyze two samples for TPHg, TPHd, BTEX, naphthalene for comparison to Tier I ESLs. Is this acceptable?

Please contact me with any questions.

Bob Clark-Riddell, P.E.
Pangea Environmental Services, Inc.
510.435.8664 direct



EXPLANATION

Draft Excavation Plan
11/18/15

- Legend**
- | Sample ID | | |
|------------|-------|---------------|
| Depth (ft) | TPH/g | Benzene mg/Kg |
- Sample Location
 - Planned Excavation Boundary

Sidewalk