

**AUGUST 2, 2007 MEETING MINUTES AND PROGRESS REPORT
UGI COLUMBIA GAS PLANT SUPERFUND SITE
COLUMBIA, PENNSYLVANIA**

ATTENDEES

Scott Miller, Clean Sites
Dave Turner, EPA
Elise Juers, PADEP
Jim Vagra, Penn E&R
Todd Trotman, Advanced GeoServices
Mike Hasel, PPL
J.C. Rondeau, UGI

ACTIVITIES COMPLETED TO DATE

July 11 to August 1, 2007

- Used a jack-hammer to break R-5 rip rap and intact bedrock at outlet of FES-1 to create a more efficient discharge channel to Shawnee Run.
- Installed Inlet 3-1 and associated 18" RCP from Manhole DMH 1-2. The existing water main at face of curb on Inlet 3-1 was located approximately 1 foot to the inside shoulder of South Front Street than what was marked by Columbia Water Company, interfering with the placement of Inlet 3-1. After consultation with Advanced GeoServices, Inlet 3-1 was installed as close to the water main as possible in order to comply with the redesign of the storm pipe as approved by PennDOT. The placement of the RCP from Inlet 3-1 to 3-2 was field adjusted. It is possible that similar field adjustments will be required for Inlets 3-4 and 3-5 if the water and gas lines interfere with structure placement.
- Installed Inlet 3-2 and associated RCP from Inlet 3-1 and began placement of RCP to Inlet 3-3. Bedrock was encountered approximately 20 feet from Inlet 3-3. An excavator with a hydraulic hammer attachment was mobilized to break rock and facilitate pipe installation.
- During the installation of the RCP from Inlet 3-2 to Inlet 3-3, a coal tar was encountered. An odor from this material was detected by olfactory senses; however, no elevated readings of the PID or FID were recorded.
- Began placing 2RC backfill within the trench between Inlet 3-1 and Inlet 3-3. All 2RC that has been placed in the stormwater pipe trenches to date has been compacted to at least 95 percent of maximum dry density as determined by the Modified Proctor test.

**AUGUST 2, 2007 MEETING MINUTES AND PROGRESS REPORT
UGI COLUMBIA GAS PLANT SUPERFUND SITE
COLUMBIA, PENNSYLVANIA**

- During excavation for the stormwater pipe, the hydrant that was scheduled for removal broke away from the main and flooded the excavation. It appeared that the coupling holding the hydrant to the main had rusted.
- Completed excavation for the proposed building foundations. Remnants of concrete foundations of a former structure were encountered at the northwestern corner of the proposed building as well as along the proposed building line adjacent to South Front Street. Excavation for the foundations proceeded extremely slowly as breaking of the concrete and overexcavation (widening of the trench) was required to remove the foundation remnants. In addition, collapse of the trench sidewalls also occurred. Due to the required overexcavations and collapse of the trench sidewalls, forms will be required to construct the proposed foundations. The bearing surfaces of the proposed foundations were covered with a few inches of 2RC to allow for even placement of the concrete formwork.
- Stockpiled all concrete and C&D material for offsite disposal.
- Continued to maintain erosion and sediment control measures.
- Surveyor re-staked the basin area for final grading.
- On July 13, 2007, Veolia properly disposed of the drill cuttings and water that was generated during the installation of the new monitoring wells. They also cleaned the frac tank which was returned to the rental company during the week of July 15, 2007.
- GEI Consultants, Inc, (GEI) started preparing a report detailing the monitoring well installation and sampling activities.

ACTIVITIES PLANNED FOR AUGUST 2 –AUGUST 16, 2007

- Install remainder of 18" RCP and associate inlets.
- Fine grade and pave (binder course only) the area of the site including the basin, the spillway, and inlet 2-1. This activity will include the removal and replacement of the corrugated metal riser pipe within the basin.
- Construct forms and place concrete for building foundations and walls.
- Install/reconnect site utilities (gas, water, and sanitary) to proposed building pad.
- Install underslab venting system and prepare building pad for concrete placement.

**AUGUST 2, 2007 MEETING MINUTES AND PROGRESS REPORT
UGI COLUMBIA GAS PLANT SUPERFUND SITE
COLUMBIA, PENNSYLVANIA**

- Pour concrete for building slab.
- Rough grade remainder of the site after completion of pipe installation.
- Prepare site for curb installation.
- GEI will continue preparing a report detailing the monitoring well installation and sampling activities.

ISSUES/CLARIFICATIONS

Outfall

Penn E&R has agreed that a single rebar will be placed vertically through the pipe along its centerline to help prevent entry.

Possible Utility Conflicts

Penn E&R will excavate a test pit at the proposed location of Inlets 3-4 and Inlet 3-5 to investigate the potential conflict between the inlets and the existing gas and water utilities as mentioned previously in these minutes. Any observed conflicts will be discussed with Advanced GeoServices.

New Gas Main

Penn E&R is still awaiting information from the Borough regarding the size of the proposed gas main. If the Borough does not provide this information prior to the forming of the building walls, Penn E&R will install an oversized sleeve in the wall to accommodate the future gas main.

Sanitary Sewer

To date, Penn E&R has been unsuccessful in locating the existing sanitary line which will be used for the proposed building. Penn E&R will continue its investigation. If the pipe is not found, the installation of a new sanitary pipe will be required.

Construction Summary Report

Advanced GeoServices will continue to prepare the Construction Summary Report and submit a draft to EPA by late August.

**AUGUST 2, 2007 MEETING MINUTES AND PROGRESS REPORT
UGI COLUMBIA GAS PLANT SUPERFUND SITE
COLUMBIA, PENNSYLVANIA**

These meeting minutes were prepared by Todd Trotman of Advanced GeoServices and reviewed by Scott Miller of Clean Sites. Please provide any comments you may have on the meeting minutes to us by August 9, 2007.