

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Passyunk Soil Gas Site - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region III

Subject: POLREP #2
Vapor Intrusion Sampling
Passyunk Soil Gas Site

Philadelphia, PA
Latitude: 39.9219126 Longitude: -75.1936874

To:
From: Ruth Scharr, On-Scene Coordinator
Date: 4/16/2014
Reporting Period: January 2014 - April 2014

1. Introduction

1.1 Background

Site Number:	Contract Number:
D.O. Number:	Action Memo Date:
Response Authority: CERCLA	Response Type:
Response Lead: EPA	Incident Category: Removal Assessment
NPL Status: Non NPL	Operable Unit:
Mobilization Date:	Start Date:
Demob Date:	Completion Date:
CERCLIS ID:	RCRIS ID:
ERNS No.:	State Notification:
FPN#:	Reimbursable Account #:

1.1.1 Incident Category

Removal Assessment

1.1.2 Site Description

1.1.2.1 Location

Residential Neighborhood in the vicinity of S. 28th Street and Passyunk Ave, Philadelphia, PA 19145

1.1.2.2 Description of Threat

Potential for exposure to Chloroform in indoor air due to vapor intrusion pathway. The source of the chloroform in the subsurface is unknown at this time.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results EPA ERT has been assisting the OSC with a vapor intrusion study for chloroform in the Point Breeze residential neighborhood in southwest Philadelphia. This is a small community of about 60 homes. Chloroform was detected at elevated levels in soil gas implants installed by PGW as part of a site characterization performed last year which PADEP required under ACT II. The EPA OSC planned to sample up to 10 properties and do onsite screening and subslab grab sample analysis using the Trace Atmospherice Gas Analyzer (TAGA). Work was originally planned to occur in October 2013. The government shutdown resulted in the work being rescheduled to January 21 - 23, 2014. Only five properties were sampled as property owners' rescinded access following the government shutdown in October 2013.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.2 Response Actions to Date

January 21- 23 vapor intrusion sampling was conducted at 4 residences and one bar/restaurant. ERT used the TAGA to survey or screen the inodr aair in residential units prior to placing the 24-hour summa canisters in the homes. conducted TAGA screening air monitoring on Janaury 22, 2014. Air monitoring analytes

included: Tetrachloreothene, (PCE), Trichlorethene (TCE), total-dichlorethene (DCE), vinyl chloride, chloroform, benzene, toluene, and total-xylenes. evented on Janu In addition Tedlar grab samples were collected at up to 22 soil gas points installed by PGW. At many of the locations the technicians were unable to obtain a sample - mostly likely do to the vadose zone being saturated. Tedlar bag samples were analyzed onsite using the MS/MS on the TAGA bus. EPA ERT conducted sampling of the PGW implants in the snowstorm and during extremely cold temperatures on Wed, Jan 22 and Thursday, January 23rd.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

None at this time.

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>

2.2 Planning Section

2.2.1 Anticipated Activities

EPA OSC plans to collect a second round of samples, possibly in the fall of 2014.

2.2.1.1 Planned Response Activities

None at this time

2.2.1.2 Next Steps

Review analytical data and distribute results to property owner.

2.2.2 Issues

Sampling results and completion of the Trip Report have been delayed due to the lab not analyzing the samples for all of the analytes requested..

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

3.1 Agency for Toxic Substances and Disease Registry and Pennsylvania Department of Environmental Protection

3.2 Cooperating Agencies

4. Personnel On Site

1,-EPA OSC, 2- EPA ERT, 4 ERT contractor personnel.

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.