

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Sandies Dry Cleaner & Laundry - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #3
Progress
Sandies Dry Cleaner & Laundry
C515
Little Chute, WI
Latitude: 44.2792130 Longitude: -88.3159220

To: Roxanne Chronert, WDNR
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Jon Oldenburg, Village of Little Chute
Mike Chezik, DOI
Roy Van Gheem, Little Chute Dept. Public Works
Richard Karl, USEPA

From: Ramon Mendoza, On-Scene Coordinator

Date: 10/11/2011

Reporting Period: 9/24/2011 to 10/07/2011

1. Introduction

1.1 Background

Site Number:	C515	Contract Number:	
D.O. Number:		Action Memo Date:	8/3/2011
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	9/6/2011	Start Date:	9/7/2011
Demob Date:		Completion Date:	
CERCLIS ID:	WIN000510596	RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

1.1.2 Site Description

The Sandies Dry Cleaner and Laundry facility (Site) operated as a dry cleaner and laundry from 1957 to about 2003 and has been vacant since 2006. The facility contains old dry cleaner and laundry machines and other equipment related to operations and maintenance. The current owner indicated to the state that Tetrachloroethylene (PCE) was used as the dry cleaning solvent from 1958 to 2003. There is a vacant apartment in disrepair on the second floor of the building. The owner has indicated that he plans to live in that apartment in the future.

The Site is surrounded by Grand Avenue to the east, the city-owned alley behind SDC to the west. Bakers Outlet and W Lincoln Avenue to the south, and Weenies Still Bar and W Main Street to the north. Both Weenies Still Bar and Bakers Outlet share a brick wall with the Site building on the north side and south side, respectively. Both businesses are operating and both have occupied residences on the second floor.

1.1.2.1 Location

The Sandies Dry Cleaners and Laundry Site (Site) is located at 513 Grand Avenue in the Village of Little Chute, Outagamie County, Wisconsin.

1.1.2.2 Description of Threat

Historic dumping of PCE at the Site has resulted in significant soil contamination. The PCE migrated through the soils into the groundwater and traveled offsite, resulting in vapor intrusion at neighboring properties.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

In February 2011, WDNR and WDHS conducted indoor air sampling using Summa canisters inside the Site building and adjacent buildings.

Results of PCE in indoor air samples collected in the unoccupied apartment at the Site, and all three levels of the Weenies Still Bar property exceeded both U.S. EPA and Agency for Toxic Substances and Disease Registry (ATSDR) screening levels and recommended action levels. Specifically, the PCE level found in the owner-occupied residence above Weenies Still Bar was 22.4 ppbv, which is more than 7 times the residential indoor air removal action level of 3 ppbv PCE. For the basement and main floor samples, PCE was measured at 32.9 and 24.0 ppbv, respectively, which are also above the residential removal action level for PCE.

After WDNR requested for U.S. EPA's assistance, U.S. EPA conducted site assessment activities in March and April 2011. PCE was detected by U.S. EPA at levels 28.5 million times greater than the EPA SSL in soils on Site, 300 times greater than the MCL in groundwater, and 700 times above the U.S. EPA/ATSDR subslab removal action level of 30 ppbv in the sub-slab sample.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

EPA, ERRS (ER), and START (OTIE) mobilized to the Site on September 7, 2011. The Site was prepared for excavation from September 7, 2011 till September 12, 2011 and excavation of contaminated soils inside the site building was conducted from September 13, 2011 to September 28, 2011. A sub-slab depressurization system (SSDS) was installed in the excavation room. Additional soil sampling using a geoprobe found suspected dumping area of PERC in west area outside of building. Contaminated soils outside the building in the backyard was excavated on September 30, 2011 and October 5, 2011. Backfilling and restoration activities were completed on October 6, 2011. Additional work (install sump system, new sewer lateral, fans, etc.) requires bidding to subcontractors so EPA, START and ERRS temporarily demobilized from the site on October 7, 2011.

OSC and WDNR briefed the Little Chute Village Council of site activities in a public session on Sept. 28, 2011. Community member living downgradient of the site requested air monitoring in her home. Initial screening by EPA indicated that analytical samples should be collected.

2.1.2 Response Actions to Date

- Site backyard secured with fencing. Site building is secured and locked.
- Demo and removal of the concrete slab under old cleaning machine
- Excavated approximately 66 tons of PCE-contaminated soil from hotspot inside the building
- Excavated approximately 40 tons of PCE-contaminated soil from hotspot outside the building
- Disposed off approximately 106 tons of PCE-contaminated soil and 6 tons of concrete
- Pumped out the ground water from the basement into the city sewer twice.
- Washed the basement with surfactant to remove sediments and drummed the surfactant water for later disposal
- Painted the walls of both the basements on Sandies and Weenies properties with water-proofing paint to abate vapor intrusion
- Cleaned and video taped the sewer lines.
- Installed one monitoring well inside the building and one monitoring well outside the building
- Installed vent fan in the site basement

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

Mr. Dave Linskens is the owner of the Sandies Dry Cleaners and Laundry Facility and is identified as the PRP.

2.1.4 Progress Metrics

Waste Stream	Medium	Quantity	Manifest #	Treatment	Disposal
RQ, Hazardous Waste Solid, n.o.s, 9, NA3077, PG III (Tetrachloroethylene, Trichloroethylene) (RQ-10 lbs) (F002)	Solid	112 tons	004960468 004960467 004960469 004960471 004960476 004960472 004960470		Michigan Disposal Waste Treatment Plant, Belleville, MI

2.2 Planning Section

2.2.1 Anticipated Activities

Contaminated soil in the subsurface remains under the building and outside which could not be excavated due to building structures and utilities. In-situ treatment alternatives are being considered to remove or reduce the contaminant levels in these areas.

2.2.1.1 Planned Response Activities

- Dispose off decon water and 5 1-Gallon glass jars with PERC solution
- Study, and implement an insitu treatment alternative to remove reduce elevated contaminant levels in subsurface soils which could not be excavated.
- Collect post-removal ambient air samples to determine the levels of PCE in indoor air on-site and neighboring businesses.
- Collect a 24-Hr Summa Canister sample from the basement of a nearby residence (per resident request).
- Fix the sewer line from the site building to the city sewer and utilize this line for pumping basement water whenever needed
- Conduct additional actions to protect public health as needed at the direction of the OSC.
- Work out any start up operational problems encountered with the sump system and sub slub vapor system.
- Install vent fan in the Weenies basement next door.

2.2.1.2 Next Steps

- Work with the Little Chute Public Works , local POTW, and WDNR to determine longer term solution for Site Basement Sump water effluent treatment and disposal.

2.2.2 Issues

- Disposition of the groundwater intrusion in the site basement is a key issue which will be resolved.

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

The following are estimated final costs as of Monday, October 10, 2011.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$160,000.00	\$23,878.00	\$136,122.00	85.08%
TAT/START	\$55,000.00	\$39,800.00	\$15,200.00	27.64%

Intramural Costs				
Total Site Costs	\$215,000.00	\$63,678.00	\$151,322.00	70.38%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

2.5 Other Command Staff

2.5.1 Safety Officer

OSC, Ramon Mendoza is responsible for overall safety at the site and project while the ER Removal Manager John Behrens is responsible for implementing the Health and Safety Plan.

2.6 Liaison Officer

2.7 Information Officer

2.7.1 Public Information Officer

Mike Rogers, U.S. EPA Region 5, 312-353-2102

See www.epaosc.org/SandiesDryCleanerLaundry for additional Site information.

2.7.2 Community Involvement Coordinator

Susan Pastor, U.S. EPA Region 5, 312-353-1325

3. Participating Entities

3.1 Unified Command

3.2 Cooperating Agencies

- Wisconsin Department of Natural Resources
- Wisconsin Department of Health Services
- Village of Little Chute Fire Department
- Village of Little Chute Public Works Department
- Heart of the Valley Metropolitan Sewer District

4. Personnel On Site

During September/October 2011 Removal activities

- EPA: 1
- ERRS (ER): 4
- START (OTIE): 1
- None onsite starting After Oct. 7, 2011 (temporary demobed).

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.

