

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Town of Pines Groundwater Plume - OU2 - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #3
Progress
Town of Pines Groundwater Plume - OU2
B5V9
Town of Pines, IN
Latitude: 41.6887279 Longitude: -86.9440403

To: Mark Johnson, ATSDR
Valencia Darby, U.S. DOI
Mark Durno, U.S. EPA
HQ EOC, U.S. EPA
John Glover, U.S. EPA
Matt Mankowski, U.S. EPA
Mike Ribordy, U.S. EPA
Joe Ferry, NIPSCO
Doug Petroff, Project Coordinator
Dan Sullivan, NIPSCO
Bill Haswell, Haley & Aldrich
Erik Hardin, USEPA
Motria Caudill, ATSDR
Shelly Lam, USEPA
Jeff Lippert, U.S. EPA
Greg Gehrig, USEPA
Jennifer Elkins, USEPA
Susan Lingenfelter, DOI
Rachel Linduska, EPA
Allison Lippert, EPA
Tamara Carnovsky, EPA
Jamie Stoik, U.S. EPA
Steve Ridenour, U.S. EPA
Mick Hans, US EPA
Luke Jones, U.S. EPA

From: Jacob Hassan, On-Scene Coordinator

Date: 9/23/2016

Reporting Period: 8/11/2016 - 9/9/2016

1. Introduction

1.1 Background

Site Number:	B5V9	Contract Number:	
D.O. Number:		Action Memo Date:	10/15/2015
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	PRP	Incident Category:	Removal Action
NPL Status:	NPL	Operable Unit:	
Mobilization Date:	6/6/2016	Start Date:	6/7/2016
Demob Date:		Completion Date:	
CERCLIS ID:	INN000505593	RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Time Critical Removal

1.1.2 Site Description

See PolRep # 1

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

Site operational hours are Monday - Friday 7 am to 5 pm

EPA and START continue to provide technical oversight of all removal activities on site. START is collecting a subset of split samples for comparison and validation of NIPSCO confirmation samples. Air monitoring and off-site borrow source activities are ongoing.

2.1.2 Response Actions to Date

Below is a status summary of each of the properties and where they are at in the removal process.

GS042

Sod placement begins and landscape restoration work continues.

- Obtain property owner approval for pre-design survey work - COMPLETED
- Conduct subsurface utility survey- COMPLETED
- Conduct site topographic and property boundary survey- COMPLETED
- Conduct landscape inventory- COMPLETED
- Complete Design Drawings and obtain USEPA approval- COMPLETED
- Obtain property owner approval for removal work- COMPLETED
- Photo document pre-excavation conditions- COMPLETED
- Conduct building condition survey, if applicable- COMPLETED
- Mobilize for construction- COMPLETED
- Install site security and access controls- COMPLETED
- Install erosion and sedimentation controls- COMPLETED
- Establish construction controls and facilities- COMPLETED
- Establish decontamination facilities for personnel and equipment- COMPLETED
- Clear and grub - COMPLETED
- Conduct excavation activities - COMPLETED
- Conduct confirmation sampling - COMPLETED
- Place a marker barrier in excavations where target materials remain in place - COMPLETED
- Backfill excavation – COMPLETED
- Complete landscape restoration – ON-GOING
- Demobilize – NOT STARTED

GS037

- Obtain property owner approval for pre-design survey work - COMPLETED
- Conduct subsurface utility survey- COMPLETED
- Conduct site topographic and property boundary survey- COMPLETED
- Conduct landscape inventory- COMPLETED
- Complete Design Drawings and obtain USEPA approval- COMPLETED
- Obtain property owner approval for removal work- COMPLETED
- Photo document pre-excavation conditions- COMPLETED
- Conduct building condition survey, if applicable- COMPLETED
- Mobilize for construction- COMPLETED
- Install site security and access controls- COMPLETED
- Install erosion and sedimentation controls- COMPLETED
- Establish construction controls and facilities- COMPLETED
- Establish decontamination facilities for personnel and equipment- COMPLETED
- Clear and grub - COMPLETED
- Conduct excavation activities - COMPLETED
- Conduct confirmation sampling - COMPLETED
- Place a marker barrier in excavations where target materials remain in place - COMPLETED
- Backfill excavation – COMPLETED
- Complete landscape restoration – NOT STARTED
- Demobilize – NOT STARTED

GS089

- Obtain property owner approval for pre-design survey work - COMPLETED
- Conduct subsurface utility survey- COMPLETED
- Conduct site topographic and property boundary survey- COMPLETED
- Conduct landscape inventory- COMPLETED
- Complete Design Drawings and obtain USEPA approval- COMPLETED
- Obtain property owner approval for removal work- COMPLETED

- Photo document pre-excavation conditions- COMPLETED
- Conduct building condition survey, if applicable- COMPLETED
- Mobilize for construction- COMPLETED
- Install site security and access controls- COMPLETED
- Install erosion and sedimentation controls- COMPLETED
- Establish construction controls and facilities- COMPLETED
- Establish decontamination facilities for personnel and equipment- COMPLETED
- Clear and grub - COMPLETED
- Conduct excavation activities - COMPLETED
- Conduct confirmation sampling - COMPLETED
- Place a marker barrier in excavations where target materials remain in place - COMPLETED
- Backfill excavation – COMPLETED
- Complete landscape restoration – NOT STARTED
- Demobilize – NOT STARTED

GS014

Grading of topsoil and gravel in driveway area complete.

- Obtain property owner approval for pre-design survey work - COMPLETED
- Conduct subsurface utility survey- COMPLETED
- Conduct site topographic and property boundary survey- COMPLETED
- Conduct landscape inventory- COMPLETED
- Complete Design Drawings and obtain USEPA approval- COMPLETED
- Obtain property owner approval for removal work- COMPLETED
- Photo document pre-excavation conditions- COMPLETED
- Conduct building condition survey, if applicable- COMPLETED
- Mobilize for construction- COMPLETED
- Install site security and access controls- COMPLETED
- Install erosion and sedimentation controls- COMPLETED
- Establish construction controls and facilities- COMPLETED
- Establish decontamination facilities for personnel and equipment- COMPLETED
- Clear and grub - COMPLETED
- Conduct excavation activities - COMPLETED
- Conduct confirmation sampling - COMPLETED
- Place a marker barrier in excavations where target materials remain in place - COMPLETED
- Backfill excavation – COMPLETED
- Complete landscape restoration – NOT STARTED
- Demobilize – NOT STARTED

GS012/GS054

Backfilling and backfill grading work on-going. Additional marker barrier will be placed on south side of property prior to backfilling once ponding in area dries.

- Obtain property owner approval for pre-design survey work - COMPLETED
- Conduct subsurface utility survey- COMPLETED
- Conduct site topographic and property boundary survey- COMPLETED
- Conduct landscape inventory- COMPLETED
- Complete Design Drawings and obtain USEPA approval- COMPLETED
- Obtain property owner approval for removal work- COMPLETED
- Photo document pre-excavation conditions- COMPLETED
- Conduct building condition survey, if applicable- COMPLETED
- Mobilize for construction- COMPLETED
- Install site security and access controls- COMPLETED
- Install erosion and sedimentation controls- COMPLETED
- Establish construction controls and facilities- COMPLETED
- Establish decontamination facilities for personnel and equipment- COMPLETED
- Clear and grub - COMPLETED
- Conduct excavation activities - COMPLETED
- Conduct confirmation sampling - COMPLETED
- Place a marker barrier in excavations where target materials remain in place - ONGOING
- Backfill excavation – ON-GOING
- Complete landscape restoration – NOT STARTED
- Demobilize – NOT STARTED

GS052

ENTACT begins backfilling and backfill grading on the north side of the property. Final excavation survey information indicated that the south center area of the excavation at GS052 was not at 3' bgs. Haley and Aldrich collected a confirmation sample from the area to determine if additional excavation work will be necessary. START collected a split of the confirmation sample.

- Obtain property owner approval for pre-design survey work - COMPLETED
- Conduct subsurface utility survey- COMPLETED
- Conduct site topographic and property boundary survey- COMPLETED
- Conduct landscape inventory- COMPLETED
- Complete Design Drawings and obtain USEPA approval- COMPLETED
- Obtain property owner approval for removal work- COMPLETED
- Photo document pre-excavation conditions- COMPLETED
- Conduct building condition survey, if applicable- COMPLETED
- Mobilize for construction- COMPLETED
- Install site security and access controls- COMPLETED
- Install erosion and sedimentation controls- COMPLETED
- Establish construction controls and facilities- COMPLETED
- Establish decontamination facilities for personnel and equipment- COMPLETED
- Clear and grub – COMPLETED
- Conduct excavation activities – ON-GOING
- Conduct confirmation sampling – ON-GOING
- Place a marker barrier in excavations where target materials remain in place – ON-GOING
- Backfill excavation – ON-GOING
- Complete landscape restoration – NOT STARTED
- Demobilize – NOT STARTED

GS081

ENTACT continues conducting excavation work on the east side of the property. Excavation area to extend south of current extent based upon XRF screening conducted by Haley and Aldrich.

- Obtain property owner approval for pre-design survey work - COMPLETED
- Conduct subsurface utility survey- COMPLETED
- Conduct site topographic and property boundary survey- COMPLETED
- Conduct landscape inventory- COMPLETED
- Complete Design Drawings and obtain USEPA approval- COMPLETED
- Obtain property owner approval for removal work- COMPLETED
- Photo document pre-excavation conditions- COMPLETED
- Conduct building condition survey, if applicable- COMPLETED
- Mobilize for construction- COMPLETED
- Install site security and access controls- COMPLETED
- Install erosion and sedimentation controls- COMPLETED
- Establish construction controls and facilities- COMPLETED
- Establish decontamination facilities for personnel and equipment- COMPLETED
- Clear and grub – COMPLETED
- Conduct excavation activities – ON-GOING
- Conduct confirmation sampling – NOT STARTED
- Place a marker barrier in excavations where target materials remain in place - NOT STARTED
- Backfill excavation – NOT STARTED
- Complete landscape restoration – NOT STARTED
- Demobilize – NOT STARTED

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

NIPSCO is the identified PRP

2.1.4 Progress Metrics

Metrics are reported through 8/31/2016

ITEM	UNIT	CUMULATIVE
Clean Fill Delivered	CY	26,064
Solid Waste Reused On-Site	TON	0
Water Used On-Site	GAL	497,801
Fuel Used On-Site (Diesel)	GAL	5,983
Electricity Used On-Site	kWh	2,751

1,764 loads of soil have been hauled off-site

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
Soil		45,549 tons		Disposal	Forest Lawn Landfill - Three Oaks, MI
Debris		169 tons		Disposal	Forest Lawn Landfill - Three Oaks, MI

2.2 Planning Section

2.2.1 Anticipated Activities

- Continue regularly project call.
- NIPSCO and their contractor, Haley & Aldrich, continue to investigate properties for elevated levels of arsenic, lead and thallium.
- NIPSCO continues to negotiate access with some properties that are identified as needing a removal action.

2.2.1.1 Planned Response Activities

Sequencing of Events for Each Removal Action.

2.2.1.2 Next Steps

Continue to gain access to identified properties.

2.2.2 Issues

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

2.4.1 Narrative

Funding for the this removal action is from the special account established for the Town of Pines Groundwater Plume Site.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
TAT/START	\$220,000.00	\$177,321.79	\$42,678.21	19.40%
Intramural Costs				
Total Site Costs	\$220,000.00	\$177,321.79	\$42,678.21	19.40%

* 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

Entact - Jerry Overton

2.5.2 Liaison Officer

USEPA - Eileen Deamer

2.5.3 Information Officer

USEPA - Sue Pastor and Rachel Bassler

NIPSCO - Nick Meyer and Angie Nelson

3. Participating Entities

3.1 Unified Command

3.2 Cooperating Agencies

- IDEM
- Town of Pines
- National Park Service
- US Fish and Wildlife
- NIPSCO
- Haley & Aldrich
- Entact

4. Personnel On Site

Onsite Staff:

- EPA - 1
- START - 2
- NIPSCO - 3
- Haley & Aldrich - 6
- Entact - 30

5. Definition of Terms

EPA - United States Environmental Protection Agency
START - Superfund Technical Assistance and Response Team

RML - Removal Management Level

AOC - Administrative Order on Consent

mg/kg - milligrams per kilogram

RI/FS - Remedial Investigation/ Feasibility Study

6. Additional sources of information

6.1 Internet location of additional information/report

<http://www.epa.gov/superfund/town-pines-groundwater>

6.2 Reporting Schedule

As needed

7. Situational Reference Materials

No information available at this time.