

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:** Doug Petroff, Project Coordinator  
Dan Sullivan, NIPSCO  
Bill Haswell, Haley & Aldrich

**From:** Jacob Hassan, On-Scene Coordinator

**Date:** 9/23/2016

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

1. Introduction

1.1 Background

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

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

<b>ITEM</b>	<b>UNIT</b>	<b>CUMULATIVE</b>
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

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

No information available at this time.

## **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.