

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Springfield Iron - Removal Polrep
Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #7
Final
Springfield Iron

Springfield, IL
Latitude: 39.8257078 Longitude: -89.6382100

To:
From: Jaime Brown, OSC
Date: 8/7/2014
Reporting Period: 10/25/13 through 4/24/14

1. Introduction

1.1 Background

Site Number:	C5D8	Contract Number:	EPS50905
D.O. Number:	0128	Action Memo Date:	6/13/2013
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	9/9/2013	Start Date:	9/9/2013
Demob Date:	12/2/2013	Completion Date:	4/24/2014
CERCLIS ID:	ILN00051 0597	RCRIS ID:	
ERNS No.:		State Notification:	Yes
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Time Critical Removal Action

1.1.2 Site Description

The Springfield Iron Company originally occupied approximately 50 acres on the north side of Springfield, east of Factory Street and south of Griffiths Avenue. The Springfield Iron Company was north of what is now Ridgely Avenue and mostly west of what is now 14th Street. A portion of the Springfield Iron Company extended east to the present location of the Chicago and Illinois Railroad. The Site currently is occupied by a mix of commercial and residential properties that include warehouse space, wholesale merchandise storage, a plumbing service company, a taxi company, an electrical substation, a large city water storage tank, and a city backup electrical generator. Residential properties occupy the southernmost part of the Site property and border the Site to the east, north, and south. The Chicago and Illinois Railroad is located west of Site. A mix of industrial, commercial, and residential properties exist west of the Chicago and Illinois Railroad.

1.1.2.1 Location

The Site is located at approximately 1900 Factory Street in Springfield, Sangamon County, Illinois. The Site's geographical coordinates are 39°49'36.68" North latitude and 89°38'13.01" West longitude.

1.1.2.2 Description of Threat

EPA documented the presence of hazardous substances and pollutants during its Site Assessment activities conducted on August 28 and 29, 2012. The following hazardous substances were found in soils and surficial coal tar at levels that exceed their respective RMLs: 2-methylnaphthalene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene, dibenzofuran, indeno(1,2,3-cd)pyrene, and naphthalene. These contaminants pose a threat of release by migration and surface exposure.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Based on site assessment results, the Site poses an imminent and substantial threat to the public health or welfare of the United States or the environment. Hazards identified at the Site include the following:

- Coal tar in soil migrating to the ground surface, including public sidewalks
- Soil at ground surface contaminated with SVOCs at concentrations exceeding EPA RMLs
- Soil at 2 to 6 feet bgs contaminated with metals and SVOCs at concentrations exceeding EPA RMLs

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

From October 28, 2013 to Present, ERRS activities included:

- Backfilled areas 2 through 4
- Area 2 was backfilled and compacted to approximately 2 feet below the original grade
- Sangamo Construction Co replaced the roadway on Factory Street under ERRS oversight
- In Area 3 the alleyway was reconnected to Factory Road by installing an asphalt surface with crushed stone along the southern fence line
- Area 4 was backfilled and compacted to its original grade. At the request of the property owner, ERRS did not replace a tree removed at the beginning of the fieldwork. ERRS seeded the area with straw matting to promote grass growth. The concrete parking pad was also replaced adjacent to the alleyway
- ERRS demobilized from the site on 11/26
- Final closeout of the site was delayed due to the anticipation that further restoration was required. The City of Springfield agreed to and completed site reseeding this summer.

START conducted air monitoring with an AreaRae network around the work zone and screened for benzene regularly in the work zone with an UltraRae. There were no significant air monitoring detections. START also collected GPS data points and soil samples in completed excavation areas for confirmation.

2.1.2 Response Actions to Date

During the week of September 9-13th, site personnel mobilized to the site and began site set-up tasks. This included trailer installation, equipment delivery, and temporary perimeter fencing installation.

Excavation of coal tar solids and impacted soil in Area 1 (south) occurred from 9/16/13 to 9/23/13. START collected confirmation soil samples and submitted them for laboratory analysis. The results showed no exceedances of EPA RMLs for 2-methylnaphthalene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenz(a,h)anthracene, dibenzofuran, indeno(1,2,3-cd)pyrene, and naphthalene. Area 1 was backfilled and compacted beginning on 9/26/13.

From September 30, 2013 to October 18, 2013, the team moved to the northern end of the Site. ERRS activities conducted during included:

- Installation of temporary fencing around the work zone
- Demolition of low, metal fence west of Tony's Electric
- Coordination with Pacesetter Tree Service to remove tree west of Tony's Electric
- Conducted a site walk with bidders for street repair when work is completed
- The eastern half of Factory Road and sidewalk was broken up and removed
- Started excavating and hauling away coal tar impacted soil

The City of Springfield closed Factory Road and installed a water main valve south of the work zone. The fire hydrant in the excavation area has been removed.

START conducted air monitoring with an AreaRae network around the workzone and screened for benzene regularly in the work zone with an UltraRae. There were no significant air monitoring detections.

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

The enforcement team is pursuing cost-recovery options.

2.1.4 Progress Metrics

Waste Stream	Medium	Quantity	Manifest #	Treatment	Disposal
coal tar impacted soil	soil	42 loads/ 1,109.68 tons	multiple	none	Waste Management Milam Landfill (East St. Louis, IL)
coal tar impacted soil	soil	33 loads/ 834.22 tons	multiple	none	Waste Management Milam Landfill (East St. Louis, IL)
coal tar impacted soil	soil and concrete	46 loads/ 1,052.07 tons	multiple	none	Waste Management Milam Landfill (East St. Louis, IL)
coal tar impacted soil	soil and concrete	30 loads/ 720.11 tons	multiple	none	Waste Management Milam Landfill (East St. Louis, IL)

2.2 Planning Section

2.2.1 Anticipated Activities

Removal activities complete.

2.2.1.1 Planned Response Activities

Removal activities complete.

2.2.1.2 Next Steps

Cost recovery process.

2.2.2 Issues

None.

2.3 Logistics Section

NA

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

2.5.1 Safety Officer

Nick Michaleas- ERRS Health And Safety Officer

Tonya Balla - START Health And Safety Officer

2.5.2 Liaison Officer

2.5.3 Information Officer

3. Participating Entities

3.1 Unified Command

US EPA is the lead agency on Site.

3.2 Cooperating Agencies

ATSDR

IEPA

City of Springfield

4. Personnel On Site

US EPA (0)

ERRS (0)

START (0)

5. Definition of Terms

ATSDR - Agency for Toxic Substances and Disease Registry

bgs - below ground surface

IEPA - Illinois Environmental Protection Agency

OSC - On-Scene Coordinator

RSL - Regional Screening Level

RML - Removal Management Level

ERRS - Emergency Removal and Response Services

START - Superfund Technical Assessment and Response Team

6. Additional sources of information

6.1 Internet location of additional information/report

<http://epaossc.org/sicsite>

6.2 Reporting Schedule

This is the final POLREP.

7. Situational Reference Materials

Regional Metrics		
This is an Integrated River Assessment. The numbers should overlap.	Miles of river systems cleaned and/or restored	0
	Cubic yards of contaminated sediments removed and/or capped	0
	Gallons of oil/water recovered	0
	Acres of soil/sediment cleaned up in floodplains and riverbanks	0
Stand Alone Assessment	Number of contaminated residential yards cleaned up	0
	Number of workers on site	5
Contaminant(s) of Concern		

Oil response Tracking		
Estimated volume	Initial amount released	N/A
	Final amount collected	N/A
CANAPS Info	FPN Ceiling Amount	N/A
	FPN Number	N/A
	Body of Water affected	N/A
Administrative and Logistical Factors (Check X where applicable)		
Precedent-Setting HQ Consultations (e.g., fracking, asbestos)	Community challenges or high involvement	Radiological
More than one PRP	Endangered Species Act / Essential Fish Habitat issues	Explosives
AOC	Historic preservation issues	Residential impacts
UAO	NPL site	Relocation
DOJ involved	Remote location	Drinking water impacted
Criminal Investigation Division involved	Extreme weather or abnormal field season	Environmental justice
Tribal consultation or coordination or other issues	Congressional involvement	High media interest
Statutory Exemption for \$2 Million	Statutory Exemption for 1 Year	Active fire present
Hazmat Entry Conducted – Level A, B or C	Incident or Unified Command established	Actual air release (not threatened)