U.S. ENVIRONMENTAL PROTECTION AGENCY POLLUTION/SITUATION REPORT

Marathon Pipeline Release - Wood River to Patoka System - Removal Polrep Initial Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY Region V

Subject: POLREP #1

Initial

Marathon Pipeline Release - Wood River to Patoka System

Edwardsville, IL

Latitude: Longitude: -

To: Mark Johnson, ATSDR

Valincia Darby, U.S. DOI John Nelson, U.S. DOI Jim Augustyn, U.S. EPA Carolyn Bohlen, U.S. EPA Sam Borries, U.S. EPA Jaime Brown, U.S. EPA Phillippa Cannon, U.S. EPA Kim Churchill, U.S. EPA Jason El-Zein, U.S. EPA HQ EOC, U.S. EPA John Glover, U.S. EPA Shelly Lam, U.S. EPA Matt Mankowski, U.S. EPA Mike Ribordy, U.S. EPA Steve Ridenour, U.S. EPA Mick Hans, U.S. EPA Silvia Palomo, U.S. EPA Doug Winder, U.S. EPA Marc Miller, Illinois DNR Todd Rettig, Illinois DNR John Kim, Illinois EPA Jerry Willman, Illinois EPA Tony Falconio, IEPA Ronna Beckmann, US EPA

From: Adam Vrabec, On-Scene Coordinator

Date: 3/12/2022

Reporting Period:

1. Introduction

1.1 Background

Site Number: 05ZZ Contract Number: D.O. Number: Action Memo Date:

Response Authority: OPA Response Type: Emergency

Response Lead: EPA Incident Category: Removal Assessment

Paul Stancil, NTSB

NPL Status: Non NPL Operable Unit:

Mobilization Date: 3/11/2022 Start Date: 3/11/2022

Demob Date: Completion Date:
CERCLIS ID: RCRIS ID:
ERNS No.: State Notification:
FPN#: E22505 Reimbursable Account #:

1.1.1 Incident Category

Emergency

1.1.2 Site Description

The Site is located near the intersection of IL Route 143 and Old Alton-Edwardsville Road in Edwardsville, Illinois, Madison County, Illinois, at Cahokia Creek. The Cahokia Creek flows westward and joins the Mississippi River approximately 9.5 miles downstream of the spill area. Review of the Inland Sensitivity Atlas (ISA) pipeline layers identified four underground petroleum pipelines at the Site.

The Site is located in a rural mixed commercial and residential area. The Site includes the surrounding residential neighborhoods, commercial properties, and agricultural and forested areas. The Site is bordered to the north by intersection of IL Route 143 and Old Alton-Edwardsville Road, with the Cahokia Creek and agricultural properties beyond; to the east and south by Old Alton-Edwardsville Road, with a Norfolk Southern railroad track and residential and commercial properties beyond; and to the west by forested land, with residential properties beyond.

1.1.2.1 Location

1.1.2.2 Description of Threat

Approximately 3,000 barrels of Wyoming Asphaltic Sour crude oil was released from a 22 inch pipeline to soil, wetlands, and ultimately discharged to Cahokia Creek which is a tributary to the Mississippi River.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Initial assessment of the release was conducted by EPA and IEPA. Oil was observed actively discharging to Cahokia Creek and migrating downstream. Oil was also observed in the soil around the release point as well as observed migrating over land to a wetland/lowland area south of the creek and pooling in those areas. Marathon pipeline had set several booms at downstream locations in attempts to contain the release. The actual amount discharged was not known, however, heavy crude oil was seen across the creek channel at multiple locations downstream.

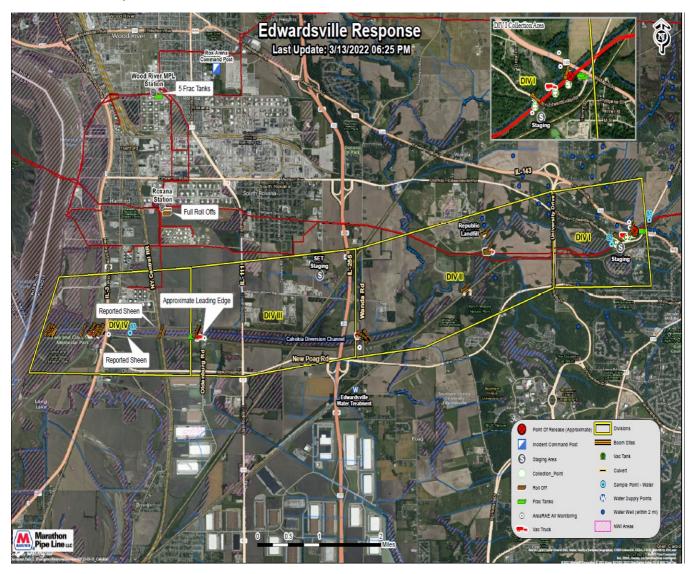
2. Current Activities

2.1 Operations Section

2.1.1 Narrative

Upon notification of the release, Marathon Pipeline deployed internal and several contracted Oil Spill Response Organizations (OSRO) to respond to the release. Oil containment and recovery equipment were on-scene and deployed within an hour to control the source and catch the leading edge of the spill to stop it from traveling further downstream. Command and Operations defined 4 geographic Divisions to help manage activities and resources being deployed to the response. The information below summarizes actions taken under the coordination of the Unified Command.

Below is a overview map of the divisions:



A larger version of the map can be found at: https://response.epa.gov/sites/15547/files/Edwardsville_V03-05.pdf You must be logged in to view.

2.1.2 Response Actions to Date

The following include response actions from 3/11/22 to 3/13/2022:

- EPA mobilized five On-Scene Coordinators and seven Superfund Technical Assessment and Response Team (START) to the site to support Incident Management positions and field operations;
- EPA established an air sampling circuit consisting of fourteen locations near the release point area and down stream of the release. EPA is monitoring Volatile Organic Compounds(VOC), % Lower Explosive Limit (LEL), % Oxygen, Carbon Monoxide, Hydrogen Sulfide, and benzene. EPA has observed any exceedance that exceed a reporting threshold;
- EPA deployed air sampling equipment (SUMMA canisters) in two locations near the release point. One location is just east of the of the release point near a residential neighborhood and the other sample location is just to the west of the release point near the bridge on Old Alton Edwardsville Road. Results pending;
- EPA and Marathon have initiated sampling surface water sampling in the Cahokia Creek and the Cahokia Diversion Channel. Samples will be analyzed for GRO, DRO, ORO, VOCs and SVOCs. Results pending;

- Draft Air and Water Monitoring/Sampling Plans are under review;
- Shoreline Cleanup Assessment Tool (SCAT) operations are underway in Divisions I, II, III, IV. EPA and START are incorporated in these field operations;
- A private well-water sampling plan has been submitted to EPA for comment. Comments have been provide and will defer to IEPA for approval;
 Marathon has established 10 booming locations along nine miles of the Cahokia Creek. These booming locations are equipped with collection points and vacuum trucks;
- Marathon has sealed off, cut and extracted the length of pipe that breached and began excavating pipe beyond the breach to inspect, remove and replace.

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

2.1.4 Progress Metrics

Shoreline Impacts							
Degree of Oiling	Affected	Cleaned	To Be Cleaned				
Light	~7.3 miles		~7.3 miles				
Medium							
Heavy							
Total	~7.3 miles		~7.3 miles				

Wildlife Impacts								
Description	Captured	Cleaned	Released	DOA	Euthanized	Other		
Ducks	7			3				
Hawk	1							
Frog	1			1				
Muskrat				1				
Blue Heron				1				
Total	9			6				

Equipment Resources	Equipment Resources						
Description	Ordered	Available/Staged	Assigned				
Light Plants			21				
Tanker Trucks			3				
Frac Tanks			12				
Roll-Off (soft-top)			4				
Vac Trucks			40				
Roll-Off (hard-top)		4	6				
Skimmers		7					
Mats			69				
Compressors			8				
Boom 6" (ft)			1100 ft				
Boom 18" (ft)		3200 ft					
Sorbent Boom (ft)							
Steam Genies			9				
Backhoes			6				
Drones			2				
Dozer			2				
Helicopters	1						
Telehandler			2				
Skid Steer			4				

Waste Metrics						
Description	Recovered	Stored	Disposed			

Oil Product (bbl)	2890	2890	
Oily Liquids (bbl)			
Liquids (bbl)			
Oily Solids (tons)			
Solids (cubic feet)	150		

Air Monitoring:

Below are summary tables of observations from direct read instruments deployed for this reporting period:

3/12/2022:

Air Monitoring Summary Tables

The tables below summarize preliminary air monitoring data collected using MultiRAE Pro and UltraRAE Pro 3000 instruments.

Project Name: Date/Time:

Edwardsville Oil Spill ER 3/12/22 01:18 AM to 3/12/2022 5:51 PM

Weather 9 to 22 miles per hour North/Northwest Wind Speed: Wind Direction:

Background						
Instrument	Parameter	Action Level ¹	Action Level Exceeded?	Number of Measurements	Concentration Range	
	H ₂ S (ppm)	1 ppm	No	1	0.000 to 0.000	
	CO (ppm)	25 ppm	No	1	0.00 to 0.00	
MultiRAE Pro	O2 (%)	19.5 to 23.5 %	No	1	21.9 to 21.9	
	LEL (%)	5 %	No	1	0.000 to 0.000	
	VOC (ppm)	1 ppm	No	1	0.000 to 0.000	
UltraRAE 3000	Benzene (ppm)	1 ppm	No	1	0.000 to 0.000	

	Source						
Instrument	Parameter	Action Level ¹	Action Level Exceeded?	Number of Measurements	Concentration Range		
	H ₂ S (ppm)	l ppm	No	0	0.000 to 0.000		
	CO (ppm)	25 ppm	No	0	0.00 to 0.00		
MultiRAE Pro	O ₂ (%)	19.5 to 23.5 %	No	0	0.0 to 0.0		
	LEL (%)	5 %	No	0	0.000 to 0.000		
	VOC (ppm)	1 ppm	No	0	0.000 to 0.000		
UltraRAE 3000	Benzene (ppm)	1 ppm	No	2	0.080 to 0.200		

Old Alton Edwardsville Rd						
Instrument	Parameter	Action Level ¹	Action Level Exceeded?	Number of Measurements	Concentration Range	
	H ₂ S (ppm)	1 ppm	No	0	0.000 to 0.000	
	CO (ppm)	25 ppm	No	1	0.00 to 0.00	
MultiRAE Pro	O ₂ (%)	19.5 to 23.5 %	No	1	20.9 to 20.9	
	LEL (%)	5 %	No	1	0.000 to 0.000	
	VOC (ppm)	1 ppm	No	1	0.000 to 0.000	
UltraRAE 3000	Benzene_Tube	1 ppm	No	1	0.000 to 0.000	

Notes: See last page.

Tower & Tower						
Instrument	Parameter	Action Level ¹	Action Level Exceeded?	Number of Measurements	Concentration Range	
	H ₂ S (ppm)	l ppm	No	1	0.000 to 0.000	
	CO (ppm)	25 ppm	No	1	0.00 to 0.00	
MultiRAE Pro	O ₂ (%)	19.5 to 23.5 %	No	1	20.5 to 20.5	
	LEL (%)	5 %	No	1	0.000 to 0.000	
	VOC (ppm)	1 ppm	No	1	0.000 to 0.000	
UltraRAE 3000	Benzene_Tube	1 ppm	No	1	0.010 to 0.010	

N O Nelson School						
Instrument	Parameter	Action Level	Action Level Exceeded?	Number of Measurements	Concentration Range	
	H ₂ S (ppm)	1 ppm	No	1	0.000 to 0.000	
	CO (ppm)	25 ppm	No	1	0.00 to 0.00	
MultiRAE Pro	O ₂ (%)	19.5 to 23.5 %	No	1	20.7 to 20.7	
	LEL (%)	5 %	No	1	0.000 to 0.000	
	VOC (ppm)	l ppm	No	1	0.000 to 0.000	
UltraRAE 3000	Benzene_Tube	1 ppm	No	1	0.010 to 0.010	

Instrument	Parameter	Action Level ¹	Action Level Exceeded?	Number of Measurements	Concentration Range
	H ₂ S (ppm)	1 ppm	No	1	0.000 to 0.000
	CO (ppm)	25 ppm	No	1	0.00 to 0.00
MultiRAE Pro	O ₂ (%)	19.5 to 23.5 %	No	1	20.7 to 20.7
	LEL (%)	5 %	No	1	0.000 to 0.000
	VOC (ppm)	l ppm	No	1	0.000 to 0.000

-						
	UltraRAE 3000	Benzene_Tube	1 ppm	No	1	0.010 to 0.010

The monitoring period is based on the earliest to the most recent monitoring time for all units.

1 - Action Levels are based on 8-hour time-weighted averages described in the Edwardsville Oil Spill Emergency Response Health and Safety Plan (Tetra Tech 2022). Fixed discrete monitoring readings are discrete readings, and so do not represent conditions over a full 8-hour period.

Notes: % - Percent CO - Carbon Monoxide H₂S - Hydrogen Sulfide

 $\begin{array}{l} LEL - Lower \ Explosive \ Limit \\ O_2 - Oxygen \\ ppm - Parts \ per \ million \end{array}$

VOC - Volatile organic compounds

3/13/2022:

Air Monitoring Summary Tables

 $The \ tables \ below \ summarize \ preliminary \ air \ monitoring \ data \ collected \ using \ MultiRAE \ Pro \ and \ UltraRAE \ Pro \ 3000 \ instruments.$

Project Name: Date/Time:

Edwardsville Oil Spill ER 3/12/22 9:16 PM to 3/13/2022 6:19 PM

Wind Speed: Wind Direction:

Weather 7 to 20 miles per hour West/Southwest

	Background								
Instrument	Parameter	Action Level ¹	Action Level Exceeded?	Number of Measurements	Concentration Range				
	H ₂ S (ppm)	0.1 ppm	No	4	0.000 to 0.000				
	CO (ppm)	25 ppm	No	4	0.00 to 0.00				
MultiRAE Pro	O ₂ (%)	19.5 to 23.5 %	No	4	20.9 to 20.9				
	LEL (%)	5 %	No	4	0.000 to 0.000				
	VOC (ppm)	5 ppm	No	4	0.000 to 0.010				
UltraRAE 3000	Benzene (ppm)	1 ppm	No	3	0.000 to 0.000				

	5 Diamonds Campground								
Instrument	Parameter	Action Level ¹	Action Level Exceeded?	Number of Measurements	Concentration Range				
	H ₂ S (ppm)	0.1 ppm	No	3	0.000 to 0.000				
	CO (ppm)	25 ppm	No	4	0.00 to 0.00				
MultiRAE Pro	O ₂ (%)	19.5 to 23.5 %	No	4	20.9 to 21.1				
	LEL (%)	5 %	No	4	0.000 to 0.000				
	VOC (ppm)	5 ppm	No	4	0.000 to 0.040				
UltraRAE 3000	Benzene (ppm)	1 ppm	No	2	0.000 to 0.000				

Lewis and Clark Campground								
Instrument	Parameter	Action Level ¹	Action Level Exceeded?	Number of Measurements	Concentration Range			
	H ₂ S (ppm)	0.1 ppm	No	1	0.000 to 0.000			
	CO (ppm)	25 ppm	No	2	0.00 to 0.00			
MultiRAE Pro	O ₂ (%)	19.5 to 23.5 %	No	2	20.9 to 20.9			
	LEL (%)	5 %	No	2	0.000 to 0.000			
	VOC (ppm)	5 ppm	No	2	0.000 to 0.000			
UltraRAE 3000	Benzene (ppm)	1 ppm	No	1	0.000 to 0.000			

Notes: See last page.

Hunicke & Philipena								
Instrument	Parameter	Action Level ¹	Action Level Exceeded?	Number of Measurements	Concentration Range			
	H ₂ S (ppm)	l ppm	No	0	0.000 to 0.000			
	CO (ppm)	25 ppm	No	3	0.00 to 0.00			
MultiRAE Pro	O ₂ (%)	19.5 to 23.5 %	No	tion Level Number of Measurements No 0 No 3	20.9 to 20.9			
	LEL (%)	5 %	No	2	0.000 to 0.000			
	VOC (ppm)	l ppm	No	2	0.000 to 0.000			
UltraRAE 3000	Benzene_Tube	l ppm	No	2	0.000 to 0.010			

Henry & M								
Instrument	Parameter	Action Level	Action Level Exceeded?	Number of Measurements	Concentration Range			
	H ₂ S (ppm)	l ppm	No	1	0.000 to 0.000			
MultiRAE Pro	CO (ppm)	25 ppm	No	2	0.00 to 0.00			
	O ₂ (%)	19.5 to 23.5 %	No	2	20.6 to 20.9			
	LEL (%)	5 %	No	2	0.000 to 0.000			
	VOC (ppm)	l ppm	No	2	0.000 to 0.000			
UltraRAE 3000	Benzene_Tube	l ppm	No	2	0.000 to 0.010			

Schiller & Ebehart								
Instrument	Parameter	Action Level ¹	Action Level Exceeded?	Number of Measurements	Concentration Range			
	H ₂ S (ppm)	l ppm	No	1	0.000 to 0.000			
	CO (ppm)	25 ppm	No	1	0.00 to 0.00			
MultiRAE Pro	O ₂ (%)	19.5 to 23.5 %	No	1	20.6 to 20.6			
	LEL (%)	5 %	No	1	0.000 to 0.000			
	VOC (ppm)	l ppm	No	1	0.000 to 0.000			
UltraRAE 3000	Benzene Tube	1 ppm	No	1	0.010 to 0.010			

Notes: See last page.

		Tower &	Tower	111.00111	esaucan mara
Instrument	Parameter	Action Level	Action Level	Number of	Concentration

C B CONTROL OF		Activa Level	Exceeded?	Measurements	Range
	H ₂ S (ppm)	l ppm	No	1	0.000 to 0.000
	CO (ppm)	25 ppm	No	1	0.00 to 0.00
MultiRAE Pro	O ₂ (%)	19.5 to 23.5 %	No	1	20.5 to 20.5
	LEL (%)	5 %	No	1	0.000 to 0.000
	VOC (ppm)	1 ppm	No	1	0.000 to 0.000
UltraRAE 3000	Benzene_Tube	l ppm	No	1	0.010 to 0.010

N O Nelson School								
Instrument	Parameter	Action Level ¹	Action Level Exceeded?	Number of Measurements	Concentration Range			
	H ₂ S (ppm)	1 ppm	No	1	0.000 to 0.000			
	CO (ppm)	25 ppm	No	1	0.00 to 0.00			
MultiRAE Pro	O ₂ (%)	19.5 to 23.5 %	No	1	20.7 to 20.7			
	LEL (%)	5 %	No	1	0.000 to 0.000			
	VOC (ppm)	l ppm	No	1	0.000 to 0.000			
UltraRAE 3000	Benzene_Tube	1 ppm	No	1	0.010 to 0.010			

SR143 & Old Alton Edwardsville								
Instrument	Parameter	Action Level ¹	Action Level Exceeded?	Number of Measurements	Concentration Range			
	H ₂ S (ppm)	l ppm	No	1	0.000 to 0.000			
	CO (ppm)	25 ppm	No	1	0.00 to 0.00			
MultiRAE Pro	O ₂ (%)	19.5 to 23.5 %	No	1	20.7 to 20.7			
	LEL (%)	5 %	No		0.000 to 0.000			
	VOC (ppm)	l ppm	No	1	0.000 to 0.000			
UltraRAE 3000	Benzene_Tube	l ppm	No	1	0.010 to 0.010			

Comments

% - Percent CO - Carbon Monoxide H₂S - Hydrogen Sulfide LEL - Lower Explosive Limit O₂ - Oxygen ppm - Parts per million

VOC - Volatile organic compounds

Air/Water Sampling:

Samples are being collected daily, results will be communicated here when recieved.

Tower & Tower								
Instrument	Parameter	Action Level ¹	Action Level Exceeded?	Number of Measurements	Concentration Range			
	H ₂ S (ppm)	l ppm	No	1	0.000 to 0.000			
	CO (ppm)	25 ppm	No	1	0.00 to 0.00			
MultiRAE Pro	O ₂ (%)	19.5 to 23.5 %	No		20.5 to 20.5			
	LEL (%)	5 %	No	1	0.000 to 0.000			
	VOC (ppm)	1 ppm	No	1	0.000 to 0.000			
UltraRAE 3000	Benzene_Tube	1 ppm	No	1	0.010 to 0.010			

N O Nelson School								
Instrument	Parameter	Action Level	Action Level Exceeded?	Number of Measurements	Concentration Range			
	H ₂ S (ppm)	1 ppm	No	1	0.000 to 0.000			
	CO (ppm)	25 ppm	No	1	0.00 to 0.00			
MultiRAE Pro	O ₂ (%)	19.5 to 23.5 %	No	1	20.7 to 20.7			
	LEL (%)	5 %	No	1	0.000 to 0.000			
	VOC (ppm)	l ppm	No	1	0.000 to 0.000			
UltraRAE 3000	Benzene_Tube	1 ppm	No	1	0.010 to 0.010			

SR143 & Old Alton Edwardsville							
Instrument	Parameter	Action Level	Action Level Exceeded?	Number of Measurements	Concentration Range		
MultiRAE Pro	H ₂ S (ppm)	1 ppm	No	1	0.000 to 0.000		
	CO (ppm)	25 ppm	No	1	0.00 to 0.00		
	O ₂ (%)	19.5 to 23.5 %	No	1	20.7 to 20.7		
	LEL (%)	5 %	No	1	0.000 to 0.000		
	VOC (ppm)	l ppm	No	1	0.000 to 0.000		
UltraRAE 3000	Benzene_Tube	1 ppm	No	1	0.010 to 0.010		

Comments

The monitoring period is based on the earliest to the most recent monitoring time for all units.

1 - Action Levels are based on 8-hour time-weighted averages described in the Edwardsville Oil Spill Emergency Response Health and Safety Plan (Tetra Tech 2022). Fixed discrete monitoring readings are discrete readings, and so do not represent conditions over a full 8-hour period.

Notes: % - Percent CO - Carbon Monoxide H₂S - Hydrogen Sulfide

The monitoring period is based on the earliest to the most recent monitoring time for all units.

1 - Action Levels are based on 3-hour time-weighted averages described in the Edwardsville Oil Spill Emergency Response Health and Safety Plan (Tetra Tech 2022). Fixed discrete monitoring readings are discrete readings, and so do not represent conditions over a full 3-hour period.

2.2 Planning Section

2.2.1 Anticipated Activities

Planned Activities:

Preparation of oil removal plan in wetland area immediately east of the release site

Anticipated up-scaling of SCAT activities

Development of private drinking well sampling plan with oversight and approval by IEPA

Continue to monitor burn rate and request additional funding as needed

2.2.1.1 Planned Response Activities

Continuation of boom monitoring and management in Divisions I, II, III, IV

Continuation of oil recovery in Division I, II, III

Repair of damaged pipe on-going

Continuation of shoreline restoration at release site

Continuation air monitoring and air sampling within the response area.

Development of oil removal Taskforce

Continuation of surface water sampling

2.2.1.2 Next Steps

2.2.2 Issues

Current burn rate anticipates requiring an OPA plan for additional funding by March 22, 2022. Anticipated rain this week may exacerbate the migration of oil from soils near the release site and stained creek banks and vegetation along the creek.

2.3 Logistics Section

None for this operational period

2.4 Finance Section

2.4.1 Narrative

See table below:

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining					
Extramural Costs									
TAT/START	\$150,000.00	\$36,513.00	\$113,487.00	75.66%					
Intramural Costs									
Total Site Costs	\$150,000.00	\$36,513.00	\$113,487.00	75.66%					

^{*} 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

EPA OPS and Marathon are filling the role of the Site safety officers.

2.5.2 Liaison Officer

EPA IC is filling the role of Liaison Officer.

2.5.3 Information Officer

Rachel Bassler is acting as the Public Information Officer.

3. Participating Entities

3.1 Unified Command

USEPA has entered into Unified Command with the following response partners:

- 1. Edwardsville Fire Department
- 2. Illinois EPA
- 3. Marathon Pipeline

3.2 Cooperating Agencies

Pipeline Hazardous Materials Safety Administration National Transportation Safety Board Illinois Department of Natural Resources Fish and Wildlife Services Illinois Emergency Management Agency Madison County Emergency Management United States Coast Guard

4. Personnel On Site

National Transportation Safety Board - 3 Illinois Department of Natural Resources - 1 Illinois Emergency Management Agency - 1 Madison County Emergency Management - 1
United States Coast Guard - 3 Edwardsville Fire Department - 1 Illinois EPA - 3 Marathon Pipeline - 110 Marathon Contractors - 130

5. Definition of Terms

USEPA - United States Environmental Protection Agency

SCAT - Shoreline Cleanup Assessment Tool

START - Superfund Technical Assessment and Response Team

LEL - Lower Explosive Limit

VOC - Volatile Organic Compounds

ISA - Inland Sensitivity Atlas

DRO - Diesel Range Organics

GRO - Gasoline Range Organics

ORO - Extended Range Organics

SVOC - Semi-Volatile Organic Compounds

6. Additional sources of information

6.1 Internet location of additional information/report

https://response.epa.gov/MarathonEdwardsville

6.2 Reporting SchedulePOLREPs will typically be issued daily during this response phase.

7. Situational Reference Materials

Edwardsville Oil Spill Response Dashboard (arcgis.com)