

Particulate Matter (PM10) Monitoring



Asbestos Air Monitoring





Deployments (2)

Help

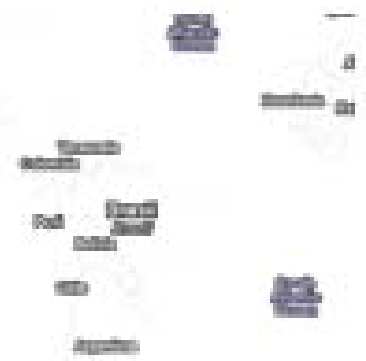
[Joplin, MO Deployment](#)

All Times UTC -5:00

Start: 4/8/2012

End:

Description: Joplin MO



1333-29: Joplin Air Monitoring

Start: 7/9/2011 6:18:18 PM

End:

Description: 7 Ordinary F-Items, 1 Mobile DataCan

Location:

Image: 20111001A

Instruments and Latest Readings:

Location: 08-100100

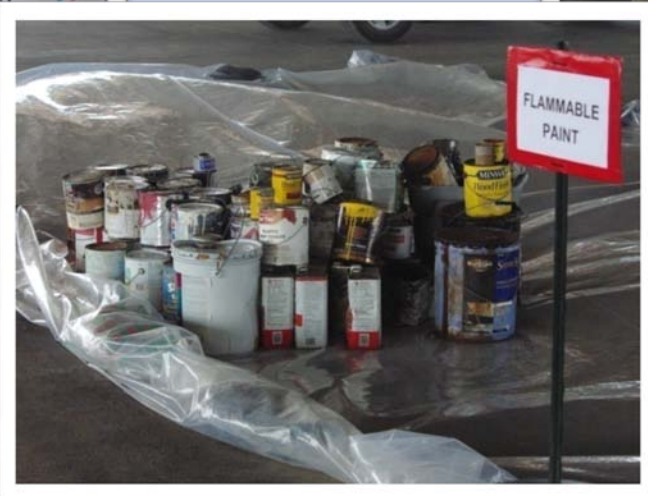
-	Instrument ID	Connection	Location	CO2C	TVSA	Temp	RH	Readout
	Joplin Deployment 08-100100	OK	37.082075, -94.403800	0 mg/m ³	1 mg/m ³	45.8 C	77 %	7/5/2012 2:01 PM

IRAMA00

-	Instrument ID	Connection	Location	NO	CO2C	AT	SV	SW	SHs	WC	PT	Flow	CO2C	Alarm/Flags	Readout
	Joplin IRAMA	OK	37.082075, -94.403800	1 Deg	0.070 mg/m ³	57.8 C	12.8 V	1.8 %	0.8 mph	48.8 C	36.7 l/m	0.054 mg/m ³	0.0%	7/5/2012 2:01 PM	
	Joplin IRAMA	OK	37.082075, -94.403800	1 Deg	0.070 mg/m ³	58.5 C	12.9 V	1.8 %	0.8 mph	50.1 C	36.7 l/m	0.051 mg/m ³	0.0%	7/5/2012 2:01 PM	
	Joplin IRAMA	OK	37.082075, -94.403800	1 Deg	0.070 mg/m ³	57 C	12.9 V	1.8 %	0.8 mph	49.8 C	36.7 l/m	0.051 mg/m ³	0.0%	7/5/2012 2:01 PM	
	Joplin IRAMA	OK	37.082075, -94.403800	1 Deg	0.070 mg/m ³	58.4 C	12.9 V	1.8 %	0.8 mph	50.8 C	36.7 l/m	0.029 mg/m ³	0.0%	7/5/2012 1:58 PM	
	Joplin IRAMA	OK	37.079075, -94.403800	0.5 Deg	0.058 mg/m ³	58.8 C	14 V	1.8 %	0.7 mph	49.7 C	36.7 l/m	0.054 mg/m ³	0.0%	7/5/2012 2:01 PM	
	Joplin IRAMA	OK	37.082075, -94.403800	0.5 Deg	0.029 mg/m ³	58.8 C	12.8 V	1.8 %	0.8 mph	42.1 C	36.7 l/m	0.029 mg/m ³	0.0%	7/5/2012 2:01 PM	
	Joplin IRAMA	OK	37.082075, -94.403800	0.5 Deg	0.058 mg/m ³	60.5 C	12.3 V	1.8 %	1.4 mph	48.8 C	36.7 l/m	0.058 mg/m ³	0.0%	7/5/2012 2:01 PM	

Auto refresh in 30 seconds.

Joplin Household Hazardous Waste Collection







ALL VISITORS
MUST CHECK
IN AT OFFICE

DANGER
TRAFFIC ONLY
NO PEDESTRIANS





JOPLIN TORNADO-HHW, WG, and EG Cumulative Collection

DATE	CONTAINERS			CYLINDERS		WHITE GOODS		OTHERS		E-GOODS	TOTALS	
	Drums (55 gal)	Small Containers (< 55 gal)	Large Containers (> 55 gal)	Propane	Compressed Gas	Received	Drained	Batteries	Small Engines	E-Goods Received	Total Items Collected Today	Total Items Collected to Date
7/6/2011		715		9	5	54	21	1	2	191	998	78,415
7/7/2011		1,225		13	2	76	70	5	5	300	1,696	80,111
7/8/2011		839		4	8	64	85	50	6	294	1,350	81,461
7/9/2011		1,949		10	5	39	83	4	2	231	2,323	83,784
7/10/2011											0	83,784
7/11/2011		1,068		7	4	23	67	4	1	190	1,364	85,148
7/12/2011		766		7	8	22	51		1	186	1,041	86,189
7/13/2011		2,225		1	2	9	85	3		234	2,559	88,748
7/14/2011		776		4	1	23	51	1		158	1,014	89,762
7/15/2011		887		9	11	17	85	1	1	310	1,321	91,083
7/16/2011		2,235		8	3	23	34	5		299	2,607	93,690
7/17/2011											0	93,690
7/18/2011		316		2	1	22	34			119	494	94,184
7/19/2011		408		5	1	9	68	1		85	577	94,761
7/20/2011		361				7	85	1		20	474	95,235
7/21/2011	1	144				11	68			86	310	95,545
7/22/2011		510		1	5	6	17	3		215	757	96,302
7/23/2011		345		2		16	51	1		84	499	96,801
7/24/2011											0	96,801
7/25/2011	1	211			2	5	17		1	31	268	97,069
7/26/2011		205		2	2	10	34	1	1	97	352	97,421
7/27/2011		898		112	7	15	17	16		217	1,282	98,703
7/28/2011		194		1		11				39	245	98,948
7/29/2011		449		2	9	1		5	2	423	891	99,839
7/30/2011		1,111		17	19	36	18	6		922	2,129	101,968
7/31/2011											0	101,968
8/1/2011		170				9	4		1	25	209	102,177
8/2/2011		166		1	1	7				16	191	102,368
8/3/2011		190		1	1	4				51	247	102,615
8/4/2011											0	102,615
8/5/2011		61								11	72	102,687
8/6/2011		112								46	158	102,845
8/8/2011		28								8	36	102,881
8/9/2011		24									24	102,905
TOTALS	11	71,406	5	792	464	3,644	1,142	474	294	24,673	102,905	

Collection and Disposal

Collected:

>103,000 HHW, White Goods and E-goods have been collected.

Recycling at No Cost to the Government

- 480 pallets of electronic waste - Midwest Recycling Center
- 82 Fire Extinguishers – Joplin Fire Department
- 15 Oxygen cylinders – Air Gas
- 4150 pounds of propane - Titan Propane



07/07/2011 14:34



6MR-083

2704
MONEY

07/09/2011 16:03



U.S. Environmental Protection Agency
Emergency Response Command Post





Nebraska / Iowa Flood Response 2011



Susan Fisher
On-Scene Coordinator

Ken Buchholz

Randy Schademann
On-Scene Coordinator



**Enough water poured through every second
to cover a football field 3 1/2 feet deep**



Interstate 680

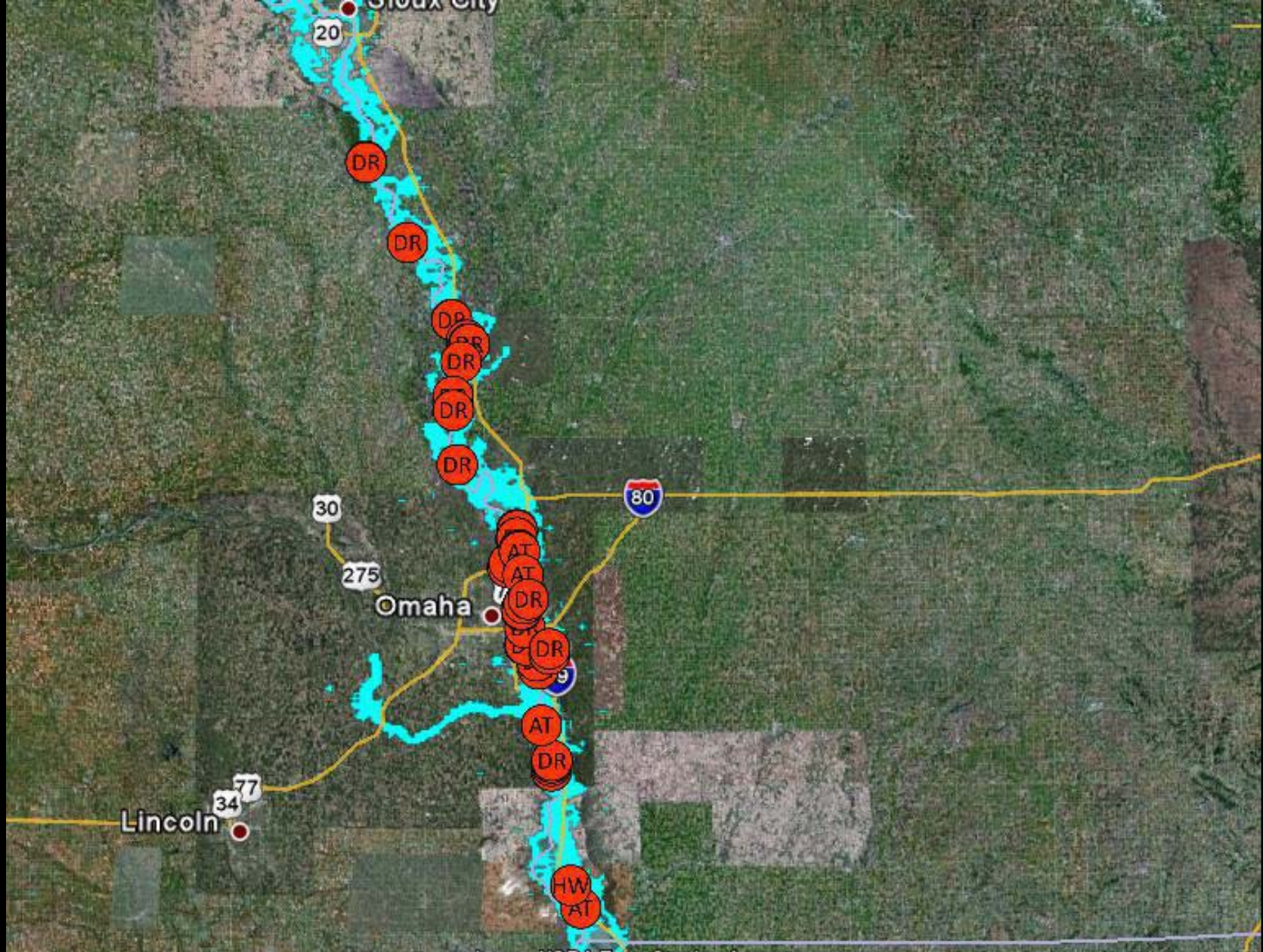


Image USDA Farm

September 8, 2011 fly over
Approximately 40 containers identified

lat 41.398909° lon -95.604532 elev 1218 ft

Eye alt 154.51 mi



REMOUE DERIS - PROPANE TAN





















HONEY CREEK STAGING AREA SUMMARY

	less than 5 gal	5 - 29 gal	30 -54 gal	55 - 99 gal	100 -240 gal	greater than 250	TOTAL
Oil/ Water	14	7	4	8	0	0	33
Flamables	11	2	0	0	0	0	13
Pesticides	5	0	0	0	0	0	5
Antifreeze	2	0	0	0	0	0	2
metal fuel tanks	0	0	0	1	2	4	7
poly tank	0	0	0	0	0	1	1
poly tote	0	0	0	0	0	2	2
metal parts washer	0	0	0	1	0	0	1
TOTAL	32	9	4	10	2	7	64
	20 LB	60 LB	80 LB	100 GAL	250 GAL	500 GAL	TOTAL
Propane Cylinder	14	1	16	0	0	0	31
Propane Tank	0	0	0	2	5	1	8
long metal cylinder	0	0	0	0	0	1 (500+)	1

Disposed of approximately 1,800 gallons of liquid waste, recycled \$933.80

OPA Responses



Oil Pollution Act of 1990

- **Conduct fund lead response**
 - **Oil Spill Liability Trust Fund**
- **Require responsible party to perform response action**
- **Cost Recovery**



Discharge of Oil

- **A film/sheen/discoloration to the water or shoreline, or violation of water quality standards requires immediate notification to the NRC.**
 - **40 CFR 110.6**
 - **40 CFR 300.300**





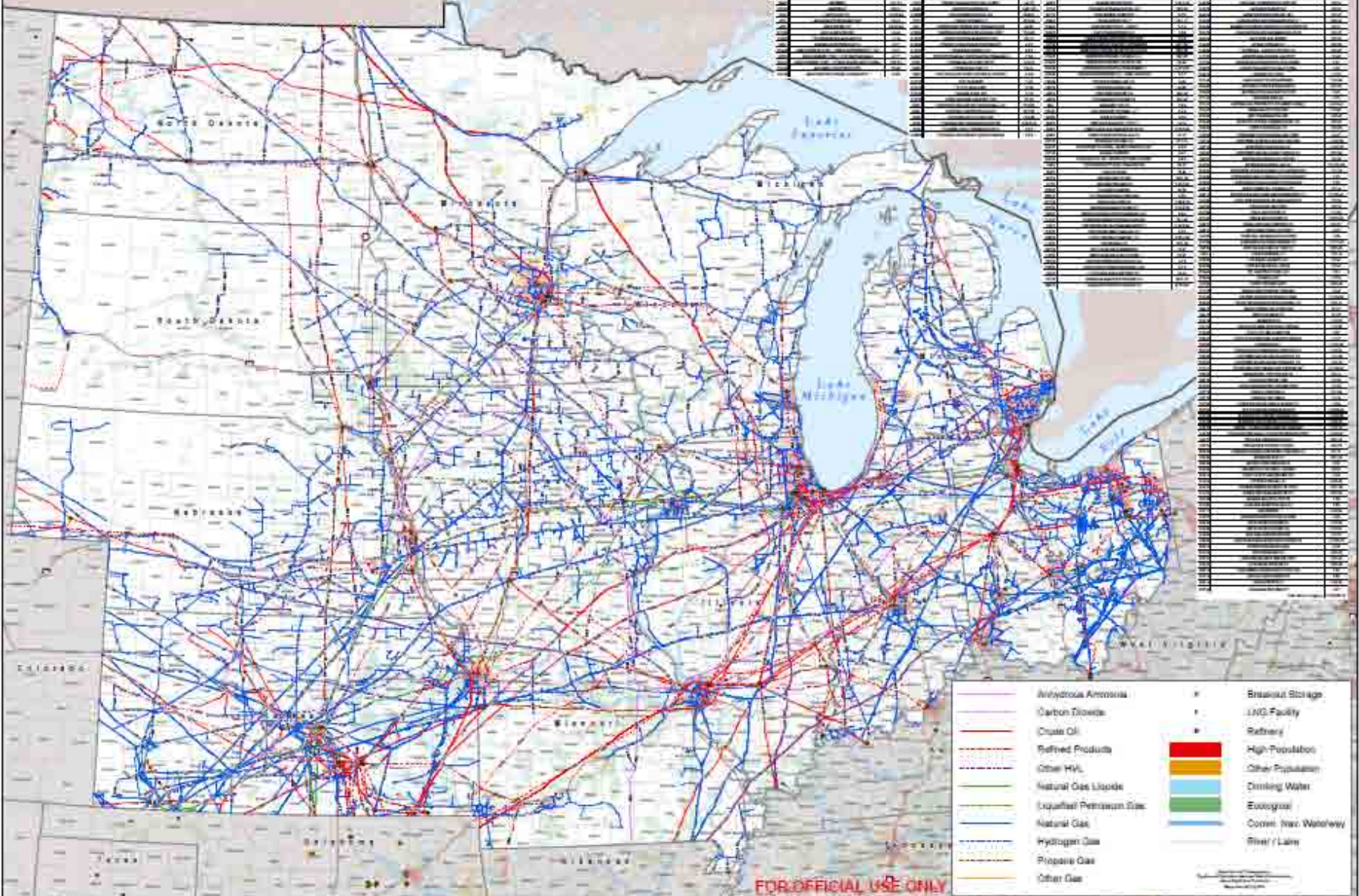
NDEQ on oil spill patrol..... “I heard there was a oil sheen reported on the spill lineKirk I’ve got this one covered””



FOR OFFICIAL USE ONLY

CANADA

Line No.	Name	Product	Operator	Status
1
2
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50



- Anhydrous Ammonia
- Carbon Dioxide
- Crude Oil
- Refined Products
- Other HVL
- Natural Gas Liquids
- Liquefied Petroleum Gas
- Natural Gas
- Hydrogen Gas
- Propane Gas
- Other Gas
- Breakout Storage
- LNG Facility
- Refinery
- High Population
- Other Population
- Drinking Water
- Ecological
- Comm. Inv. Waterway
- River/Lake

FOR OFFICIAL USE ONLY

Oil Response/Issues

Overview of “product movement” in Region 7

- 300+ pipeline operators in region
- 250,000+ gallons of product flowing through each pipeline every hour
- Miles of pipeline per state:
 - Kansas: >20,000 miles
 - Missouri: >9,000 miles
 - Nebraska: >7,500 miles
 - Iowa: >11,000 miles

Nemaha Co.–Magellan pipeline



Oil Spill Responses



Magellan 2011- 7,800 gallons



Nu Star – RP-lead Response



Coffeyville, Kansas: Refinery Spill During Flood



Coffeyville Refinery Oil Spill



Coffeyville Refinery Oil Spill



Coffeyville Refinery Oil Spill



Coffeyville Refinery Oil Spill



Coffeyville Refinery Oil Spill



Coffeyville Refinery Oil Spill



Coffeyville Demolitions



Exxon Pipeline Mayflower Arkansas Oil Spill

3/29/2013



Pegasus Pipeline Response Mayflower, Arkansas





North Woods Subdivision, Mayflower, AR





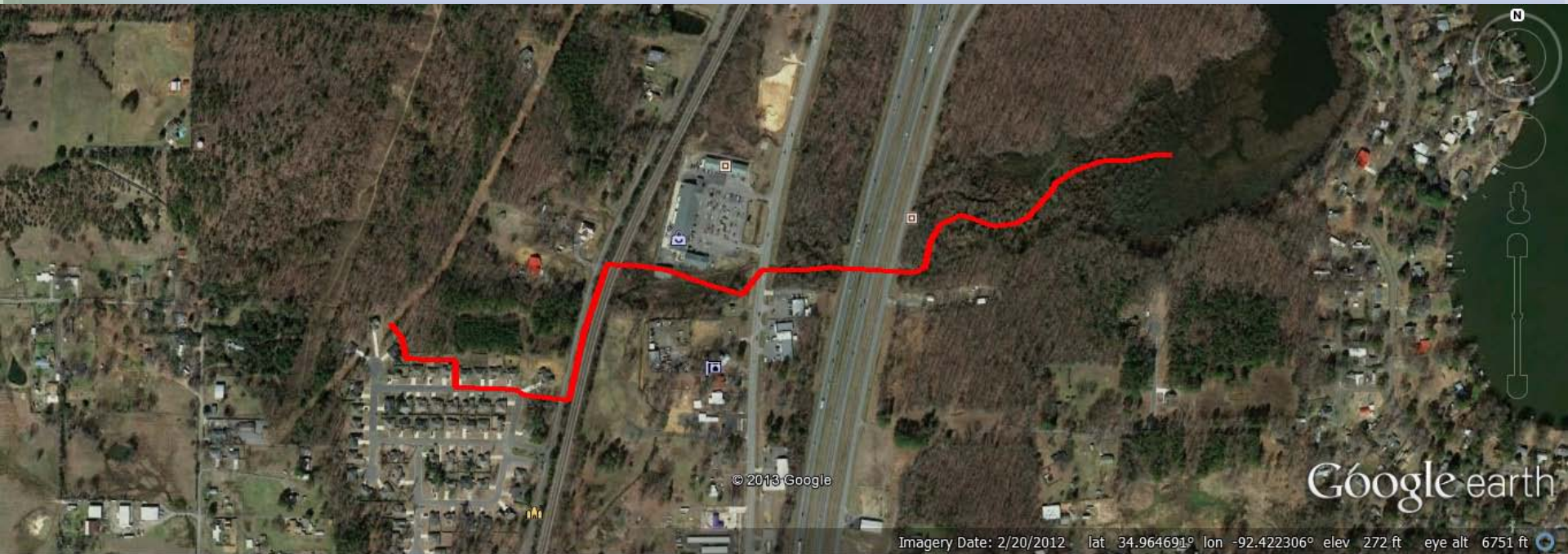
Main Street, Mayflower, AR



East / West 365



Bell Cove of Lake Conway, Faulkner County, AR



Google earth

Imagery Date: 2/20/2012 lat 34.964691° lon -92.422306° elev 272 ft eye alt 6751 ft

Graph Min, Avg, Max Elevation: 261, 273, 297 ft
Range Totals Distance: 0.91 mi Elev Gain/Loss: 67.6 ft, -102 ft Max Slope: 13.7%, -33.1% Avg Slope: 3.2%, -3.5%



Less than one mile from source to Bell Cove



Quick Effective Response by Locals Diking and Damming



Underflow Dams

ICS 207 - Organization Chart

Mayflower Pipeline Incident

Prepared By: Pla

Period 9 "Working" (4/17/2013 07:00 - 4/24/2013 07:00)

Version Name: All

Incident Command

Advisor
Kimberly
Advisor
ron
cer
ra

Federal
Rhotenberry, William
State
Benefield, Ryan
Local Government OSC
Dodson, Allen
Incident Commander
Weesner, Mark/Tyrone, Kar

Information Officer
Kerr, Lauren
Deputy PIO
Bruce-O'Connell, Margot
Safety Officer
Acuna, Joseph

Operations Section Chief
Powers, Art

Planning Section Chief
Tanner, Keith

Liaison



OSC Brescia

Primary EPA Tasks

- UC
- Air Monitoring (START)
 - AreaRAEs
 - Benzene
 - H₂S
 - Viper
 - Daily Results Reviewed by ADH; Posted to ADEQ website
- No ERRS



OSC Rhotenberry

Congressional Visits

- Chairman Committee on Transportation and Infrastructure
- Local Congressional Senators and Representatives





04 10 2013



Bell Cove



Bell Cove



22 Residential homes remain Evacuated



Multi-Jurisdictional Training Event

(EPA primary training provider)

- Federal Attendees (33)
- State/Local Attendees (14)
- Industry Attendees (22)
- Oil Spill Response Organizations (OSRO) Attendees (10)

Upper Mississippi River Spill & Wildlife Response Training









UNITED STATES



EPA

REGION 7

**EMERGENCY
RESPONSE
TEAM**

ENVIRONMENTAL PROTECTION AGENCY

ENVIRONMENTAL PROTECTION AGENCY

