

NDEQ and EPA Region 7 Response and Readiness

"Working together w/ LEPCs and Responders"

Disaster Response

Oil pipeline response



Ken Buchholz, Chief

U.S. EPA Region 7

Emergency Response and Removal North Branch



Region 7 Superfund Division

"To safeguard the health of our communities for all generations, we clean up contaminated lands."

In a culture of teamwork and respect, we are efficient, innovative, and fiscally responsible stewards of public trust."



RESPONSE



REMEDIATION



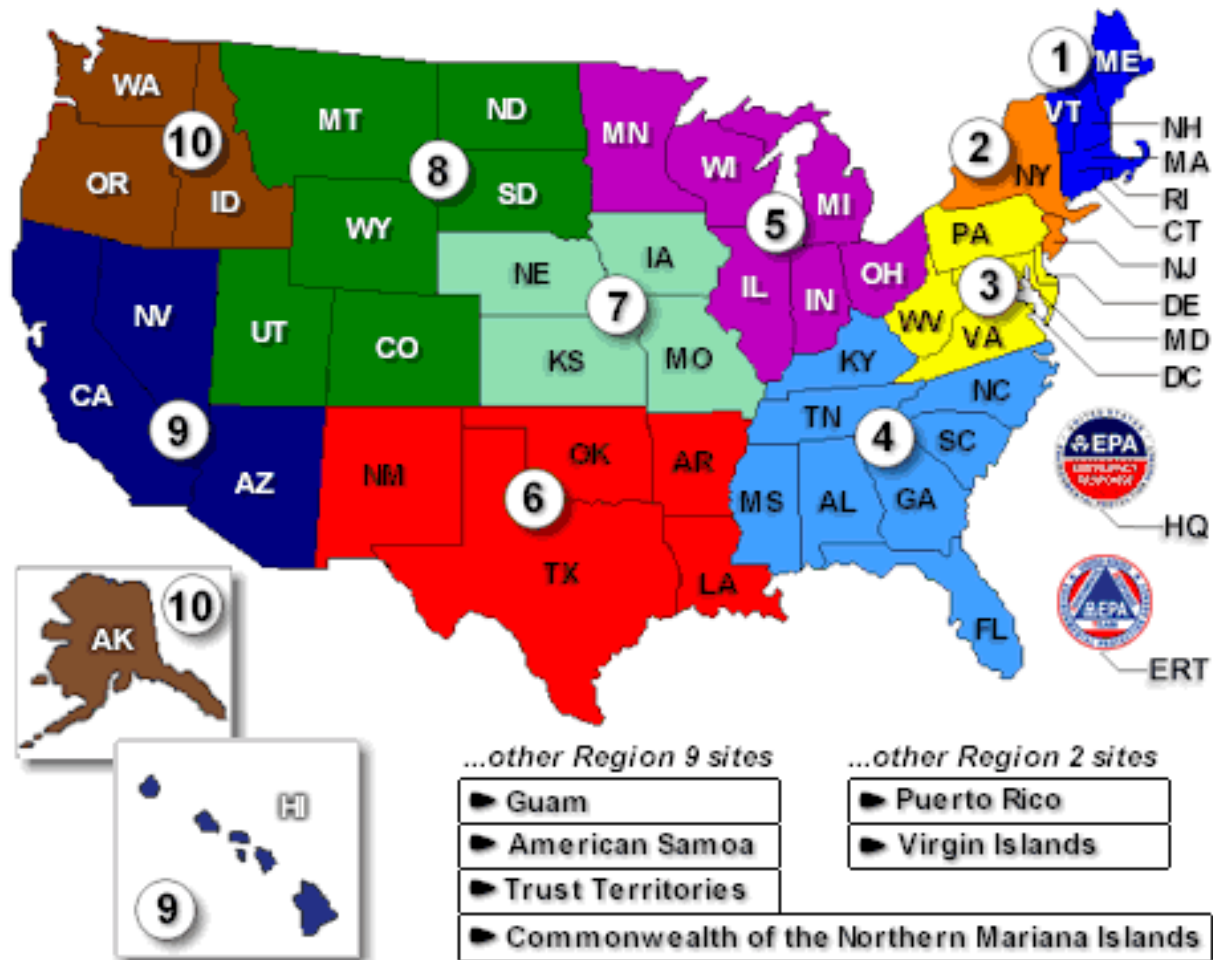
REUSE





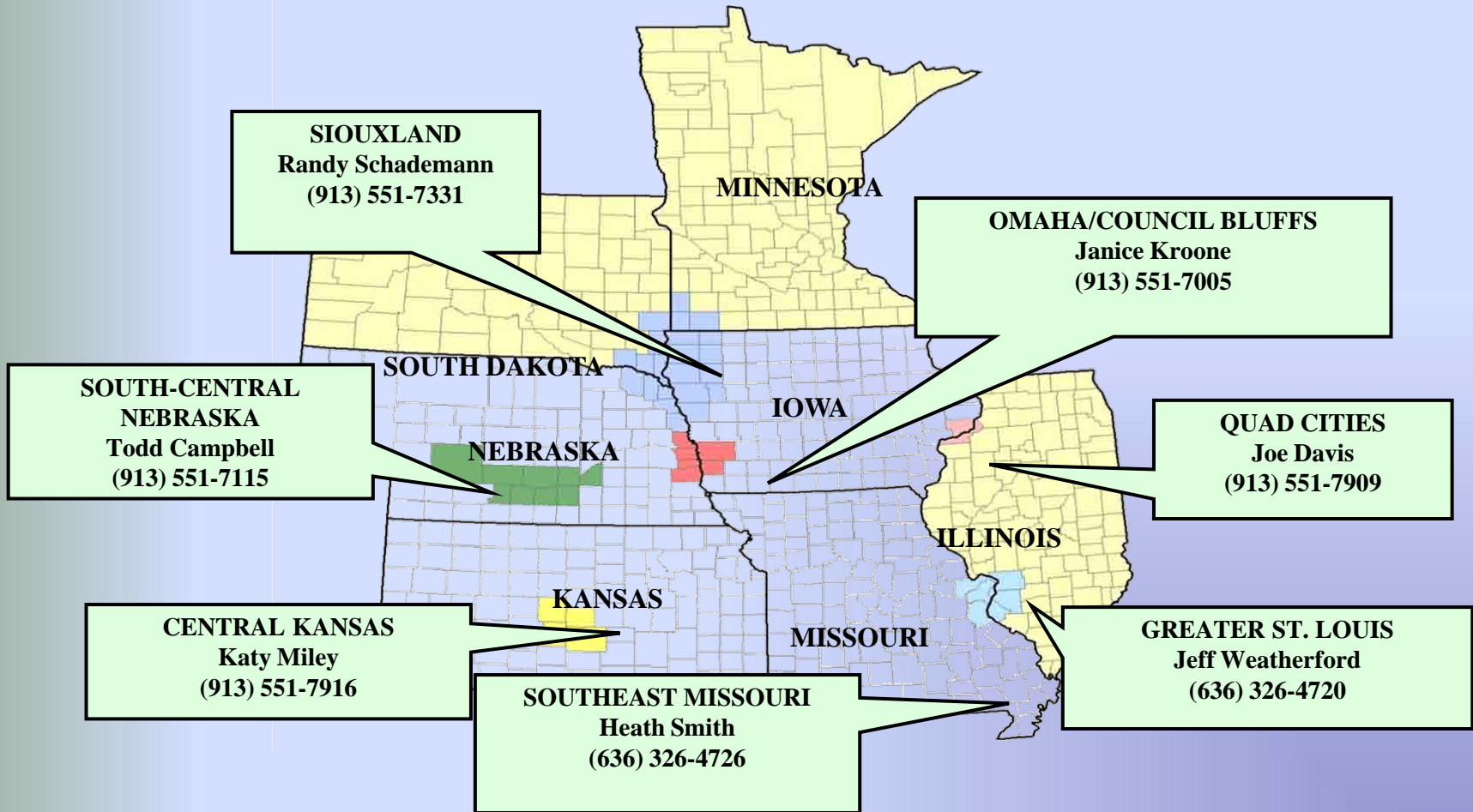
DUNING LIFE
Spool Clays Tour
KAW VALLEY

EPA Organization

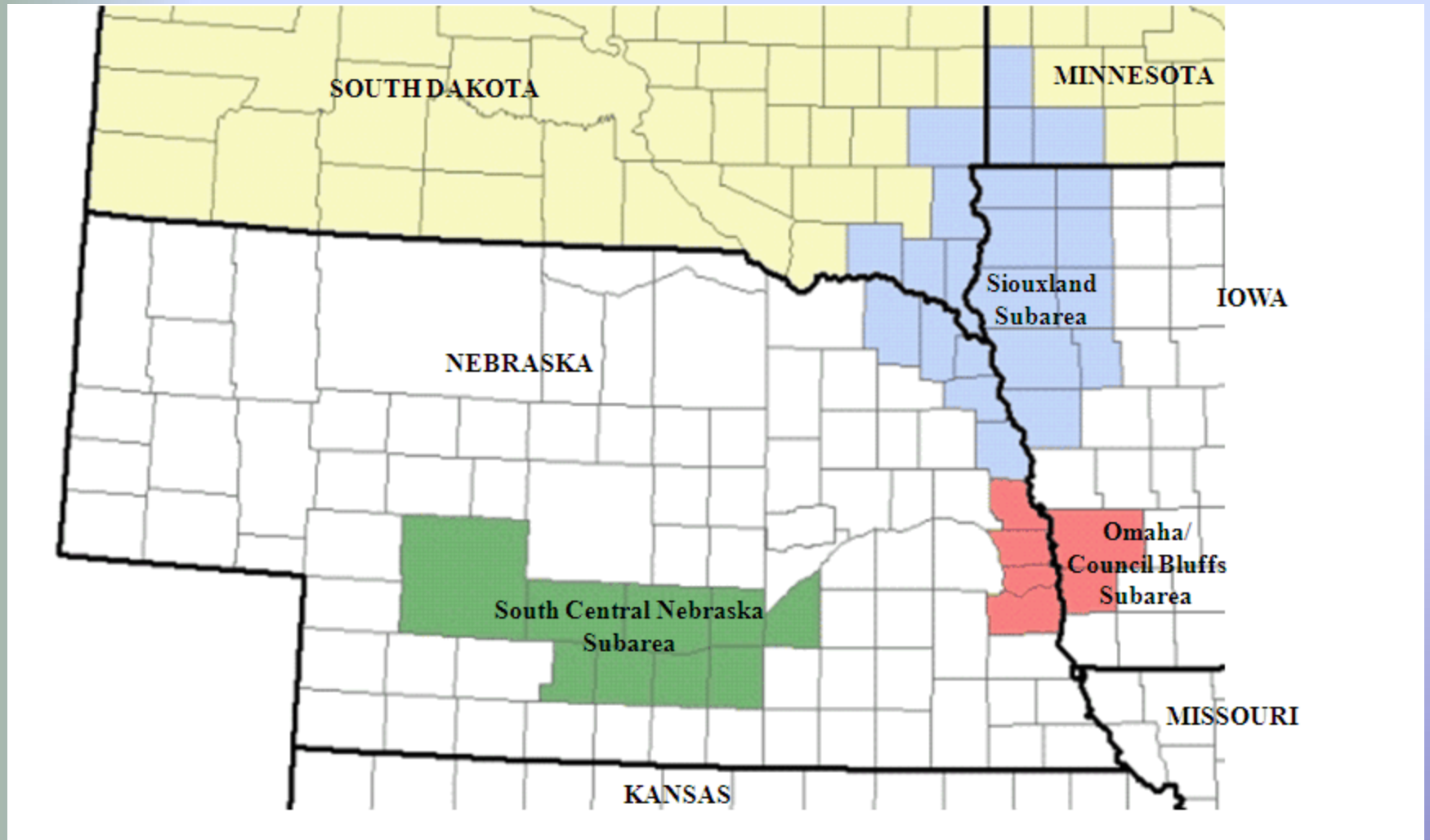


Preparedness & Planning with Locals

(subarea planning and LEPC interactions)



Region 7 Sub-areas



Nebraska Boom Training



Statutory Authority

- **CERCLA – Comprehensive Environmental Response, Compensation, & Liability Act**
- **CWA/OPA – Clean Water Act, as amended by Oil Pollution Act**
- **Robert T. Stafford Disaster Relief and Emergency Assistance Act**



CERCLA Responses

- **EPA can conduct fund lead removal actions**
 - Responsible party is bankrupt/insolvent
 - Unable/unwilling to perform clean up
- **Require potentially responsible parties to perform removal actions**
- **Hazardous Substances**
- **Cost Recovery**



Lead Sites





Tire Fires
Derailments

Abandoned Drum Sites



Mercury



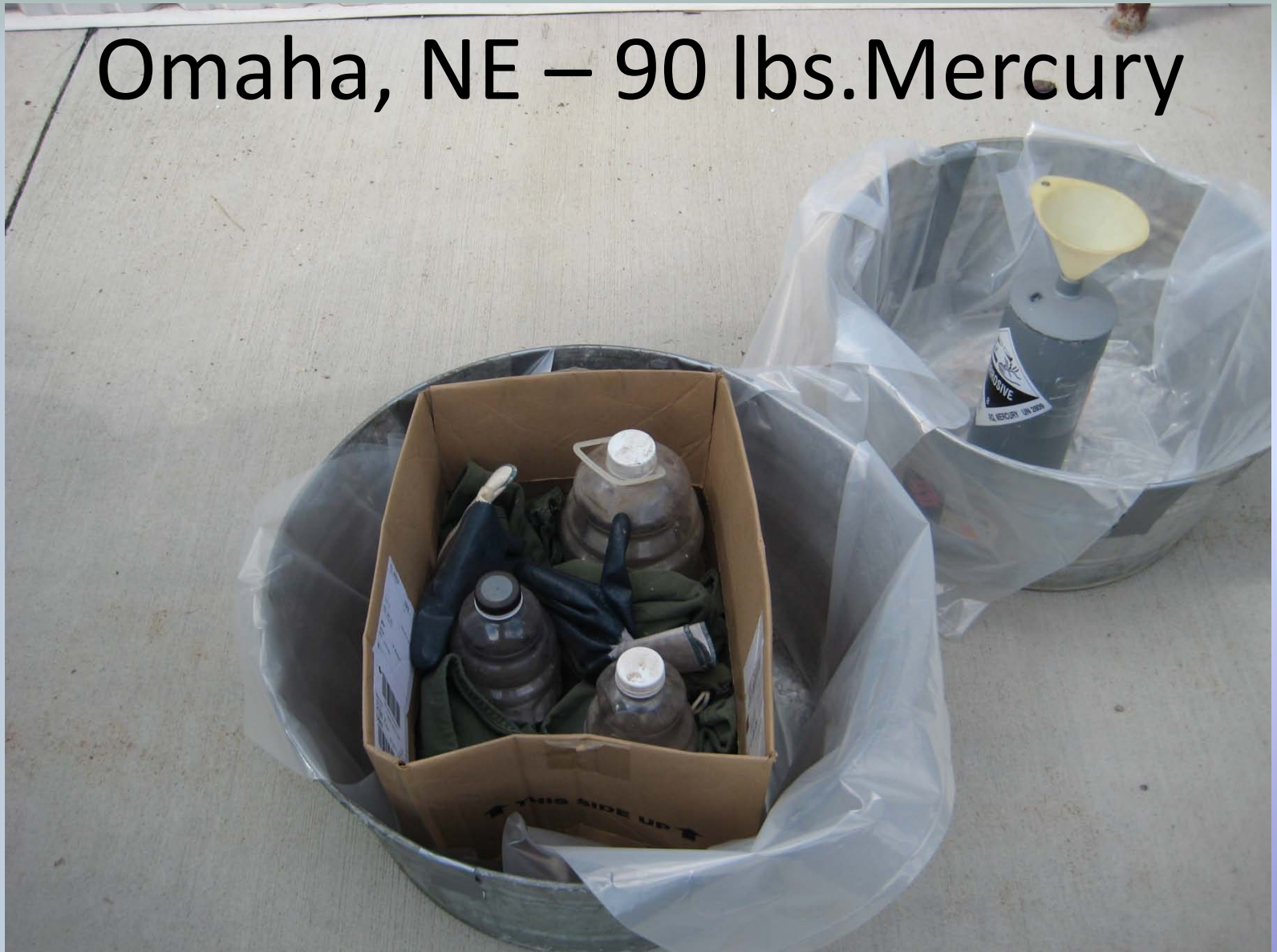
Moscow, KS Mercury







Omaha, NE – 90 lbs. Mercury



Agromac-Lockwood







Chem Central Fire



Chem Central Fire

- **OSCs deployed to fire in KC MO to assess situation**
- **Sampling teams deployed in KC Metro area for air sampling**
- **ASPECT Plane air overflights**
- **24 hour REOC activated to support Incident Command**

Chem Central Fire



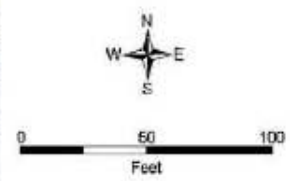
Iowa-Nebraska Light and Power Company FMGP Site

- **Site first owned by Norfolk Light & Fuel Company in 1902. Manufactured gas plant (MGP) operations began between 1907-1909**
- **Site has since changed ownership and operation several times. Site currently owned by Black Hills Energy (BHE) and Nebraska Public Power District (NPPD), and Centel Corp. is successor to former MGP operator**
- **Centel and BHE under Administrative Order on Consent with EPA to perform non-time critical removal action**

Site Map



- Legend**
- - - Black Hills Property Boundary
 - - - NPPD Property Boundary
 - 1909, Historic Structures
 - 1916, Historic Structures
 - 1925, Historic Structures
 - 1946, Historic Structures
 - Norfolk Electric, Light and Power Co.



Sources:
 EDR, Inc. 2007
 EPA 2001
 City of Norfolk 2007
 Senborn 1909, 1916, 1925, 1946

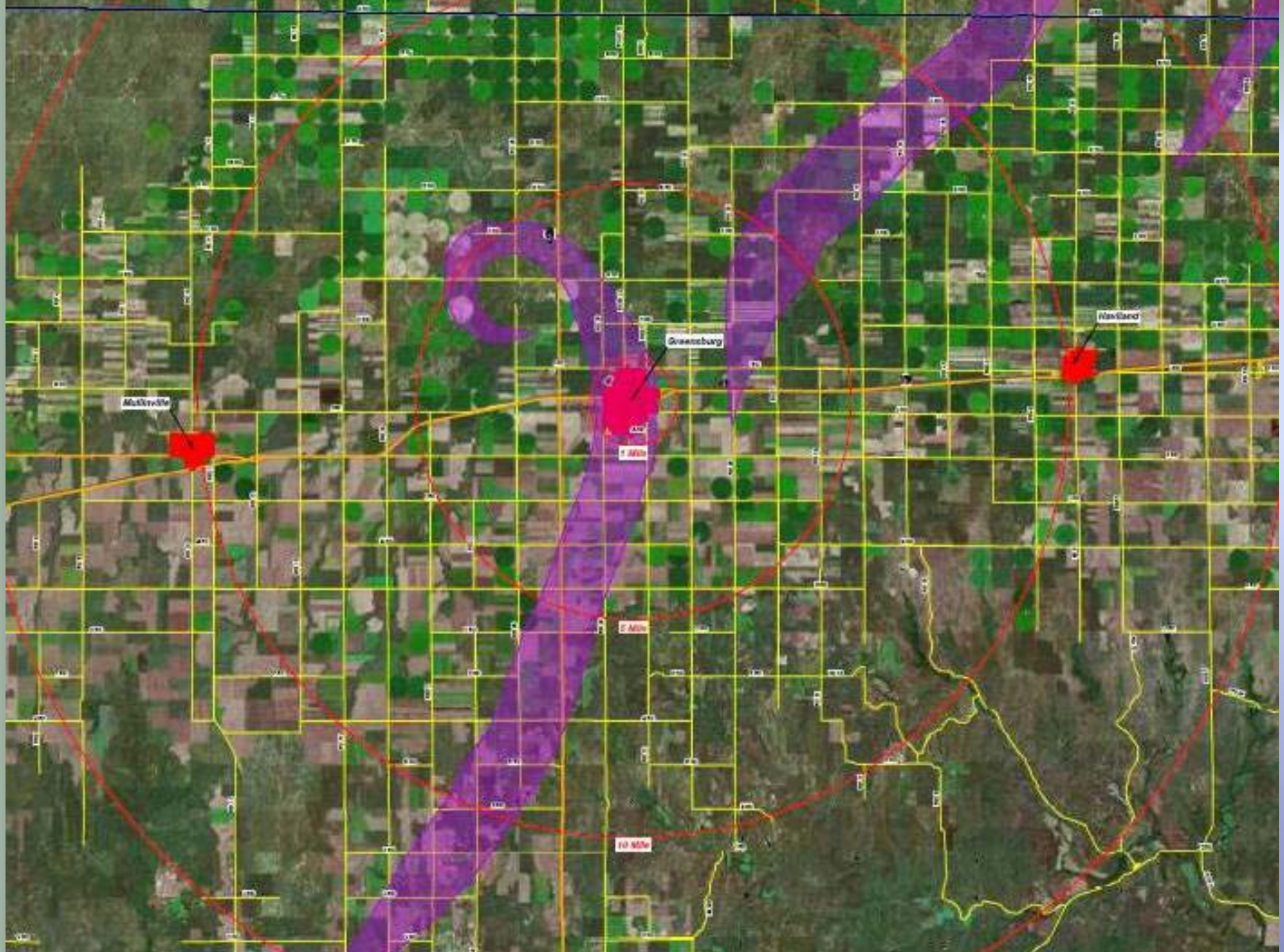
FIGURE 1-2
SITE MAP
 EECA SITE
 CHARACTERIZATION
 REPORT

Greensburg, KS

- Approximately 2,000 residents.
- 100 miles west of Wichita, KS.
- Home of World's Largest Hand-Dug Well and "Worlds Largest" meteorite
- Farming, Oil and Gas, are main economic base.

Greensburg, KS Tornado

- EPA Region 7 immediately dispatched two OSC's with response truck and mobile command post. Five OSCs by day five.
- Hazardous conditions included asbestos, propane, anhydrous ammonia, chlorine, solvents, paints, derailed tank cars, bulk gasoline tanks, and PCBs.



McKsville

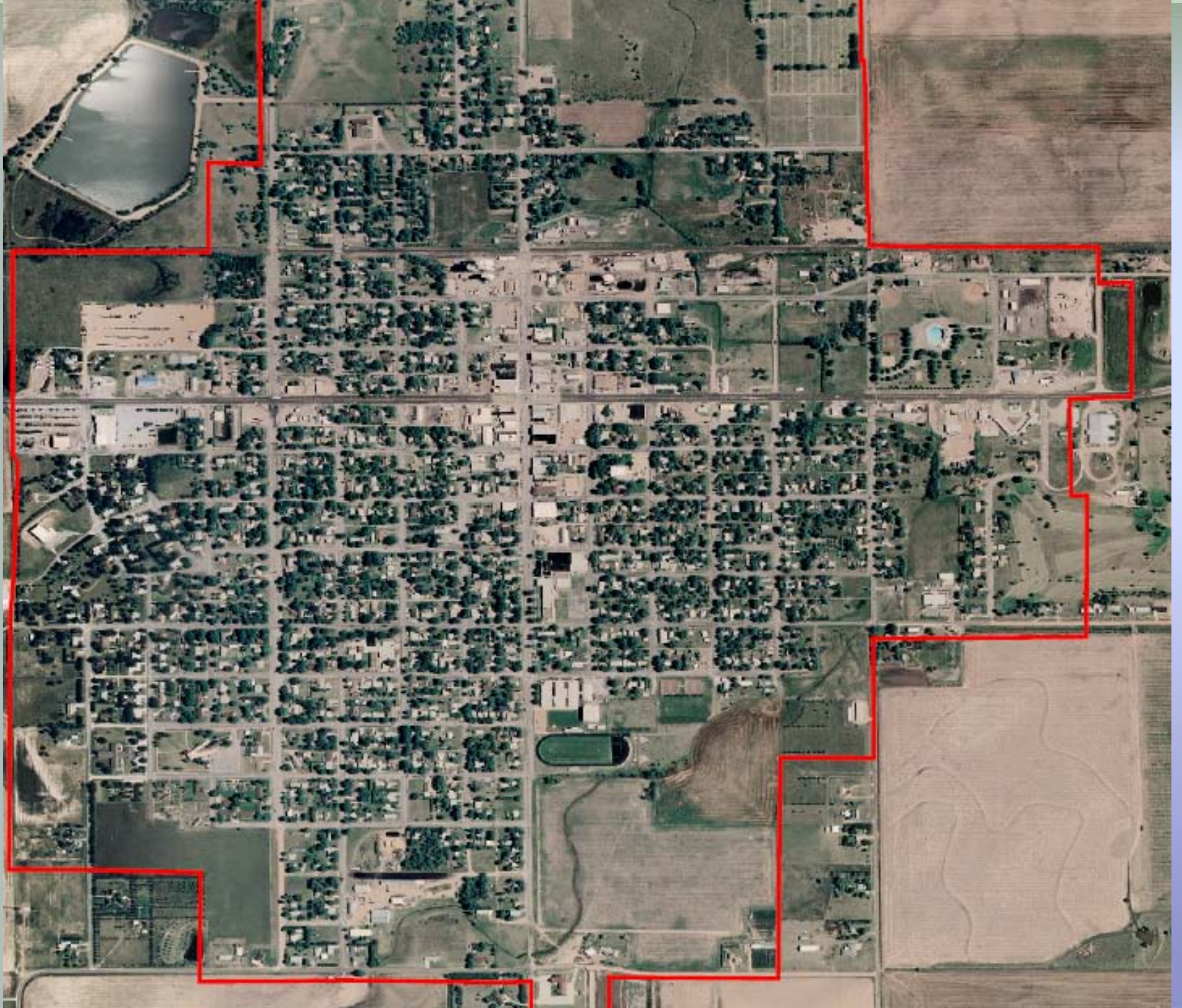
Greensburg

Rawland

1 Mile

2 Miles

3 Miles







GREENSBURG TORNADO-HHW And WG Cumulative Collection

On Site May 6-June 9, 2007

DATE	CONTAINERS			CYLINDERS		WHITE GOODS		Batteries	E-Waste received	TOTALS	
	Drums [55gal]	Small Containers [< 55gal]	Large Containers [> 55gal]	Propane	Compressed Gas	Received	Drained			Total Items Collected Today	Total Items Collected Project to Date
5/11/2007	0	3087	0	4	3			1	15	3110	3110
5/12/2007	2	3350	0	35	7	39		40	23	3496	6606
5/13/2007	0	2748	2	72	12	50		85	27	2996	9602
5/14/2007	0	2002	2	40	4	63		21	33	2165	11767
5/15/2007	1	3035	0	21	8	249		11	31	3356	15123
5/16/2007	3	1470	1	29	16	279		2	36	1836	16959
5/17/2007	4	2623	0	31	21	381		147	34	3241	20200
5/18/2007	7	1540	0	14	18	403		19	52	2053	22253
5/19/2007	0	1044	0	19	26	249		22	26	1386	23639
5/20/2007	2	1536	0	11	0	331		23	29	1932	25571
5/21/2007	0	378	2	15	5	119		22	25	566	26137
5/22/2007	6	1049	0	19	2	109		11	14	1210	27347
5/23/2007	1	582	0	16	0	77		1	13	690	28037
5/24/2007	1	231	1	1	0	100		3	8	345	28382
5/25/2007	4	85	0	0	0	66		0	7	162	28544
5/26/2007	3	798	0	8	7	125		4	12	957	29501
5/27/2007	0	236	0	0	2	45		2	6	291	29792
5/28/2007	0	368	0	2	3	35		4	0	412	30204
5/29/2007	7	579	0	6	1	15		6	0	614	30818
5/30/2007	0	1103	0	3	3	35		4	0	1148	31966
5/31/2007	0	762	0	1	0	39		3	0	805	32771
6/1/2007	0	315	0	2	2	26		3	0	348	33119
6/2/2007	0	625	0	0	3	28	40	3	0	699	33818
6/3/2007	0	188	0	3	1	24	38	17	0	271	34089
6/4/2007	0	2146	0	0	0	2	20	2	0	2170	36259
6/5/2007	0	143	0	2	1	3	28	2	0	179	36438
6/6/2007	0	87	0	0	0	7	29	0	0	123	36561
6/7/2007	0	160	0	2	0	5		0	0	167	36728
6/8/2007											36728
6/9/2007											36728
TOTALS	41	32270	8	356	145	2904	155	458	391	36728	

Greensburg, KS Tornado

- EPA involved in:
 - Emergency Responses
 - Orphan Containers
 - HHW and White Goods
 - Transformers/PCBs
 - Oil Spills/Oversight
 - Ambient Air Monitoring/Sampling
 - Bulk Sampling

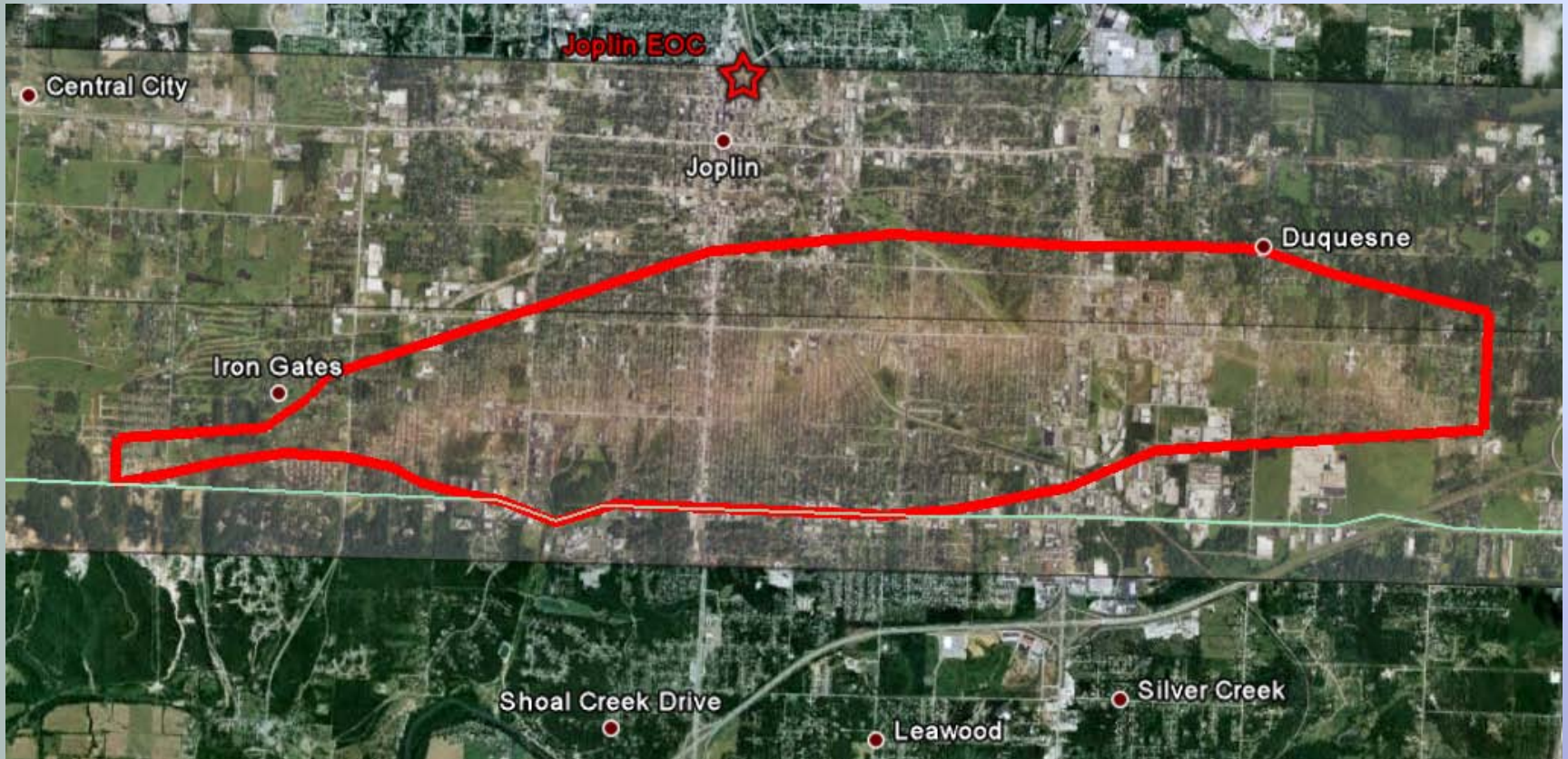
Joplin Tornado Response 2011



Ken Buchholz
Incident Commander

Tornado considerations

- Joplin, Missouri – pop. 50,000
 - May 22, 2011 - Tornado on ground 19 minutes.
 - Destruction - six miles long and more than a half-mile wide.
 - 14,000 people were left homeless.
 - Thousands injured / 162 died.
 - Deadliest tornado in the United States since 1947, the seventh-deadliest in U.S. history
 - damaged up to 8,000 structures, including a hospital, junior college and eight schools.
- Norfolk, NE – pop. 23,500



On Sunday, May 22, 2011, a deadly tornado ripped through Joplin, Mo., killing more than 150 people.

The Federal Emergency Management Agency (FEMA) Region VII activated the Environmental Protection Agency (EPA) on May 23, 2011.

EPA is the nationally designated agency for Emergency Support Function (ESF) 10 – Oil and Hazardous Materials.

At the request of the State of Missouri EPA was mission assigned to conduct collection and disposal activities of household hazardous waste, white goods, and e-waste under ESF 10.

DEPARTMENT OF HOMELAND SECURITY FEDERAL EMERGENCY MANAGEMENT AGENCY MISSION ASSIGNMENT (MA)		See Reverse for Paperwork Burden Disclosure Notice	O.M.B. NO. 1660-0047 Expires January 31, 2011
I. TRACKING INFORMATION (FEMA Use Only)			
State MO (Missouri) Incident:2011042301-Severe Storms, Tornadoes, and Flooding		NEMIS Number	
Program Code/Event Number 1980DR-MO: SEVERE STORMS, TORNADOES, AND FLOODING		Date/Time Received 05/23/2011 23:58	
II. ASSISTANCE REQUIRED <input type="checkbox"/> See Attached			
Assistance Requested Activate Environmental Protection Agency (EPA) to the FEMA Region VII Regional Response Coordination Center (RRCC), State Emergency Operations Center (SEOC) and other areas as requested by FEMA to perform duties of Emergency Support Function (ESF) #10 in support of Post-Declaration disaster operations in response to the Missouri tornadoes and storms. 5/23/2011 AMENDMENT 1, Add \$100,000.00 to this assignment for taskings.			
Delivery Location RRCC, 9221 Ward Parkway Kansas City, MO 64114		Internal Control Number Amendment of Task: 1509-138936	Date/Time Required 05/23/2011
Initiator/Requestor Name Jeff Smith	24 Hour Phone Number (816) 283-7600	Email Address jeffrey.m.smith@dhs.gov	Date 05/23/2011
Site POC Name LAGER, BRUCE M	24 Hour Phone Number (816) 283-7616	Email Address Bruce.Lager@dhs.gov	Date 05/23/2011
* State Approving Official (Required for DFA and TA)			Date
III. INITIAL FEDERAL COORDINATION (Operations Section)			
Action to: <input type="checkbox"/> ESF # _____ Date/Time _____	<input checked="" type="checkbox"/> Other: _____ Date/Time 05/23/2011 23:56	Priority <input type="checkbox"/> 1. Lifesaving <input type="checkbox"/> 3. High	<input checked="" type="checkbox"/> 2. Life sustaining <input type="checkbox"/> 4. Medium
IV. DESCRIPTION (Assigned Agency Action Officer) <input checked="" type="checkbox"/> See Attached			
<u>Statement of Work</u> Post-Declaration activation for appropriate EPA (Oil and Hazardous Materials Response) personnel to perform the functions of ESF #10 in the RRCC, Emergency Response Team (ERT/IMAT), Preliminary Damage Assessment (PDA) Team, Rapid Needs Assessment (RNA) Team, or other teams and locations, at the direction and coordination of FEMA, beginning 05/23/2011. This activation may include overtime and administrative costs. Your agency is responsible for submitting a Mission Assignment Quarterly Progress Report to FEMA to include cost data when Mission Assignment takes more than 60 days to complete, including billing. The Mission Assignment Quarterly Progress Report can be accessed and submitted on-line at www.fema.gov/maprogress .			
Assigned Agency EPA (ENVIRONMENTAL PROTECTION AGENCY)		Projected Start Date 05/23/2011	Projected End Date 06/06/2011
<input type="checkbox"/> New or <input checked="" type="checkbox"/> Amendment to MA #: 1980DRMOEPA0100		Total Cost Estimate \$100,000.00	
ESF/OFA Action Officer DAVE WILLIAMS		Phone No. (202) 564-6375	Email williams.dave@epamail.epa.gov
V. COORDINATION (FEMA Use Only)			
Type of MA: <input type="checkbox"/> Direct Federal Assistance State Cost Share (0%, 10%, 25%)	<input type="checkbox"/> Technical Assistance State Share (0%)	<input checked="" type="checkbox"/> Federal Operations Support State Share (0%)	
State Cost Share Percent 0.0 %	State Cost Share Amount: \$ 0.00		
Fund Citation: 2011-06-1980DR-9074-XXXX-2501-D		Appropriation code: 70X702	
Mission Assignment Manager (Preparer) MINDY MCDANIEL			Date 05/24/2011
** FEMA Project Manager/Branch Director (Program Approval) BRUCE LAGER			Date 05/24/2011
** Comptroller/Funds Control (Funds Review) WASCOM, NELDA J.			Date 05/24/2011
VI. APPROVAL			
*State Approving Official (required for DFA and TA):			Date
**Federal Approving Official (required for all): JEFFREY SMITH			Date 05/24/2011
VII. OBLIGATION (FEMA Use Only)			
Mission Assignment Number 1980DR-MO-EPA-01	Amount This Action \$ 100,000.00	Date/Time Obligated 05/24/2011	
Amendment Number 01	Cumulative Amount \$ 135,000.00	Initials/IFMIS	
* Signature required for Direct Federal Assistance and Technical Assistance MAs. ** Signature required for all MAs.			

Joplin Mission Assignments and Tasking

- ESF 10 Mission Assignments (MA):
 - MA#01 – Conduct Rapid Needs Assessments and staff the FEMA Joint Field Office, Joint Information Center, Regional Response Center and State Emergency Operations Center - \$270,000 – 100% Federal Operations Support
 - MA#02 – Conduct air monitoring for asbestos and particulates. - \$555,000 – 100% Federal Operations Support
 - MA#03 – HHW, White Goods, E-Goods - \$3,000,000 – 75/25 Split
 - MA#04 - HHW, White Goods, E-Goods - \$1,500,000 – 90/10 Split
 - MA#5 – ESF 14 Long-Term Recovery – \$125,000 – 100% Federal Operations Support
 - OSLTF – Preliminary oil spill recon – \$25,000 – Coast Guard

Unified



Effort



US Army Corps of Engineers®



Destruction in Joplin









































4000

Joplin Field Operations



5/7/2013

U.S. Environmental Protection Agency

VIPER System

