

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Missouri Floods 2015 - Polrep/Sitrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region VII

**Subject:** **SITREP #13**  
**Missouri Floods 2015**  
**Southeast Missouri, MO**

**To:**  
**Thru:** Dave Williams, IC  
**From:** Megan Schuette, PSC  
**Date:** 1/23/2016  
**Reporting Period:** 1/17-22/2016

**Executive Summary**

See previous SitReps for this information.

**1. Introduction**

**1.1 Background**

<b>Site Number:</b>	<b>Contract Number:</b>
<b>D.O. Number:</b>	<b>Action Memo Date:</b>
<b>Response Authority:</b> Stafford Act	<b>Response Type:</b>
<b>Response Lead:</b> FEMA	<b>Incident Category:</b>
<b>NPL Status:</b> Non NPL	<b>Operable Unit:</b>
<b>Mobilization Date:</b> 12/31/2015	<b>Start Date:</b> 12/31/2015
<b>Demob Date:</b>	<b>Completion Date:</b>
<b>CERCLIS ID:</b>	<b>RCRIS ID:</b>
<b>ERNS No.:</b>	<b>State Notification:</b>

**1.1.1 Incident Category**

See previous SitReps for this information.

**1.1.2 Site Description**

See previous SitReps for this information.

**1.1.2.1 Location**

See previous SitReps for this information.

**1.1.2.2 Description of Threat**

Flooding in Missouri.

**1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results.**

Continued coordination with MDNR.

**1.2 Incident Objectives**

See previous SitReps for this information.

**1.3 Critical Resource Needs**

N/A.

**1.4 Strategic Considerations**

See previous SitReps for this information.

## 2. Current Activities

### 2.1 Operations Section

#### 2.1.1 Narrative

FEMA has issued Mission Assignments to EPA to staff the ESF#10 desk at the FEMA AFO, to conduct ESF#10 operations for HHW and orphan containers, and to conduct debris removal.

#### 2.1.2 Response Actions to Date

See previous SitReps for previous information. The following is a summary of each day in this reporting period:

1/16/2016 - One HHW collection team was active. Nine debris removal teams were active. FEMA, USACE and ESF#10 representatives met with AmeriCorps representatives. 100+ AmeriCorps members are scheduling to assist residential property owners in removing and moving flood C&D debris to curbside for pick-up. EPA and FEMA confirmed that a HHW collection/"milk run" will be scheduled in SW Missouri by EPA OPS. There will be no debris removal in SW Missouri.

1/17/2016 - Three HHW collection teams were active. Eight debris removal teams were active. Extreme cold conditions suspended boat operations. A recycler was selected for electronic and white goods.

1/18/2016 - Three HHW collection teams were active. To date, approximately 90 percent of HHW container collection has been done in either Arnold, Fenton or Pacific. Eight debris removal teams were active. To date, Franklin County and St. Louis County have accounted for approximately 81 percent of debris recovered.

1/19/2016 - Four HHW and one orphan container collection teams were active. Seven debris removal teams were active. EPA surpassed the collection of 10,000 HHW-related containers. Emphasis is being shifted to orphan container collection as more and more priority areas of debris are recovered. At least 130 orphan container "targets" have been identified to as needing recon and/or pickup.

1/20/2016 - Due to cold and wintry conditions, operations were suspended - no HHW collection or debris removal teams were active.

1/21/2016 - HHW collection and debris removal teams were in full operation after a weather-caused shut-down the previous day. Three HHW collection teams were active. Six debris removal teams were active. Teams experienced a slight "spike" in debris collections as more collections were completed in lower priority jurisdictions. The area of possible HHW collection in southwest Missouri was cancelled - local authorities will handle. Electronic waste shipments to recyclers began today, as well as some shipping of white goods. The AFO sent representatives to the EPA command post in Fenton to assist with the coordination and mapping of new "targets" identified by National Guard representatives and community members that have a daily presence in the communities in the flood impact zone.

1/22/2016 - Five HHW collection teams were active. Five debris removal teams were active. Operations continued a shift from debris removal teams to HHW collection teams. Eleven pallets of e-waste were sent for recycling, as well as 21.41 tons of scrap metal.

AFO ESF#10 has received 11 completion release forms from community leaders to date (Arnold, Byrnes Mill, Eureka, Herculaneum, Kimmswick, O'Fallon, St. Charles (City), St. Peters, Union, Valley Park, Jefferson County); nine release forms are yet to be received (Fenton, Florissant, Kirkwood, Pacific, Portage Des Sioux, West Alton, Franklin County, St. Charles County, St. Louis County).

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

N/A.

#### 2.1.4 Progress Metrics

Comment Date  
23-JAN-16 09:00  
Data as of COB 22-JAN

### MISSOURI FLOOD DEBRIS REMOVAL

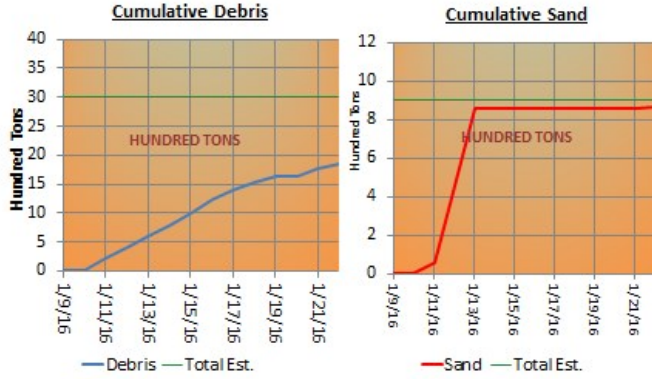
#### Debris Production Overview

DEBRIS REMOVED & DISPOSED	Total Estimate	Last 24 Hours	Total To Date	% Complete
DEBRIS - CY	7857	237	5538	70%
DEBRIS - Tons	2632	79	1846	70%
SAND - Tons	908	8.5	867	96%

#### Production by Zone

Zone	TOTAL ESTIMATE			LAST 24 HOURS			TOTAL			% COMPLETE	
	DEBRIS TON	DEBRIS CY	SAND TON	DEBRIS TON	DEBRIS CY	SAND TON	DEBRIS TON	DEBRIS CY	SAND TON	DEBRIS TOTAL/ C&D	SAND TON
JEFFERSON COUNTY	354	1023	192	7	21	0	354	1062	192	100%	100%
FRANKLIN COUNTY	1033	3100	0	31	93	0	687	2062	0	66%	N/A
ST. CHARLES COUNTY	382	1145	36	19	57	0	137	411	36	36%	100%
ST. LOUIS COUNTY	863	2589	680	22	66	8.5	668	2003	639	77%	94%

## MISSOURI FLOOD DEBRIS REMOVAL PROGRESS



## DEBRIS REMOVAL

MISSOURI EM-3374 DEBRIS REMOVAL MISSION													
DAILY PROGRESS REPORT													
Debris & Sandbags Collected by Date													
COUNTY	JURISDICTION	TOTAL ESTIMATE DEBRIS		TOTAL ESTIMATE SANDBAGS					TOTAL TO DATE		% DEBRIS REMOVED	% SANDBAGS REMOVED	COMMENTS
		TONS	CY	TONS	TON	CY	TON	CY	TONS	CY			
<b>JEFFERSON COUNTY</b>													
Release-111	Unincorporated	236	3036	322	7	21	0	244	2047	321	33.87%	33.88%	
Release-119	Arnold	0	0	0	0	0	0	0	0	0	N/A	N/A	NO RECORD DEBRIS REPORT
Release-115	Florissant	2	0	0	0	0	0	2	0	0	100.00%	N/A	
Release-116	Florissant	2	0	0	0	0	0	2	0	0	100.00%	N/A	
Release-119	Unincorporated	1	3	0	0	0	0	1	3	0	100.00%	N/A	
<b>FRANKLIN COUNTY</b>													
Release-111	Arnold	122	2,320	0	21	29	0	247	2042	0	65.46%	N/A	
Release-111	Arnold	42	205	0	0	0	0	42	205	0	76.2%	N/A	
Release-115	Fenton	0	0	0	0	0	0	0	0	0	N/A	N/A	NO RECORD DEBRIS REPORT
<b>ST. CHARLES COUNTY</b>													
Release-111	Unincorporated	147	1,345	36	39	27	0	121	412	16	25.2%	33.88%	
Release-111 for 111	O Fallon	0	0	0	0	0	0	0	0	0	N/A	N/A	NO RECORD DEBRIS REPORT
Release-111 for 111	Unincorporated	0	0	0	0	0	0	0	0	0	N/A	N/A	
Release-111 for 111	City of St. Charles	0	0	21	0	0	0	0	11	0	N/A	33.88%	SAVED AS ONLY
Release-111 for 111	St. Peters	32	45	0	0	0	0	13	45	0	100.00%	N/A	
Release-111	Unincorporated	147	1,345	0	39	27	0	43	140	0	46.8%	N/A	
<b>ST. LOUIS COUNTY</b>													
Release-111	Unincorporated	819	1,289	680	21	29	65	684	2042	429	77.2%	94.11%	
Release-111	Eureka	11	0	0	0	0	0	11	0	0	100.00%	33.88%	
Release-111	Fenton	100	990	90	39	27	0	264	3079	0	87.8%	0.00%	
Release-111	Kirkwood	86	130	0	0	0	0	0	0	0	N/A	N/A	Debris not reported
Release-111	Valley Park	0	0	0	0	0	0	0	0	0	N/A	N/A	NO RECORD DEBRIS REPORT
Release-111	Unincorporated	0	0	0	0	0	0	0	0	0	N/A	N/A	
<b>* TOTAL ESTIMATED DEBRIS</b>													
		2,823	3,787	2,068	79	107	65	3,044	22,368	427	75.2%	92.28%	

KEY:   
 Partially Complete   
 DEBRIS COLLECTED - CONTINUED DEBRIS AND SANDBAGS   
 NOT REPORTED BY JURISDICTION

## HHW, WHITE GOODS, E-GOODS AND ORPHAN CONTAINER REMOVAL

COUNTY CITY	CONTAINERS (each)	CYLINDERS (each)	WHITE GOODS (each)	E-GOODS (each)	TOTAL TO DATE
<b>Jefferson</b>					
Arnold	2620	36	89	162	2907
Unincorporated	772	12	34	169	987
<b>St. Louis County</b>					
Valley Park	33	25	9	13	80
Eureka	391	5	89	184	669
Florissant	150	1	1	19	171
Unincorporated	218	2	7	43	270
Fenton	2764	34	94	433	3325
Kirkwood	86	0	0	0	86
<b>Franklin</b>					
Pacific	2750	69	135	676	3635
<b>St. Charles</b>					
West Alton	996	3	19	284	1302
St. Peter	86	1	1	9	97
O'Fallon	21	0	1	1	23
<b>Mission Total</b>	<b>10887</b>	<b>193</b>	<b>479</b>	<b>1993</b>	<b>13552</b>

### 2.2 Planning Section

#### 2.2.1 Anticipated Activities

##### 2.2.1.1 Planned Response Activities

Continued staffing the FEMA AFO and provide assistance, as needed, to the state.

Continue HHW collection documenting each pass through neighborhoods.

Continue general debris recovery documenting each pass through neighborhoods.

Continue orphan container recovery.

The Region 7 REOC continues to be activated to assist with all field operations.

#### **2.2.1.2 Next Steps**

Plan/begin boat/water operations, as weather conditions allow.

#### **2.2.2 Issues**

Extreme cold conditions and problematic orphan container recovery are possible issues.

### **2.3 Logistics Section**

Currently, eight EPA personnel have been mobilized and each will take care of their own logistics.

### **2.4 Finance Section**

No information available at this time.

### **2.5 Other Command Staff**

#### **2.5.1 Safety Officer**

EPA Roy Krueger and MDNR Steve McLane are acting as the official Safety Officers. FOSC Adam Ruiz is acting as the on-site Assistant Safety Officer.

#### **2.5.2 Liaison Officer**

N/A.

#### **2.5.3 Information Officer**

An EPA information officer from the Kansas City Regional office is coordinating with the disaster related JIC. On January 22, 2016, EPA issued a press release and fact sheet related to home renovations and lead-based paint, including a discussion of EPA's "*Renovation, Repair and Painting*" Rule. These were shared with the FEMA/SEMA JIC, where the fact sheet will be placed on the state's main flood recovery web page. Hardcopy versions of the fact sheet will be shared with on-ground volunteers for distribution to homes.

## **3. Participating Entities**

### **3.1 Unified Command**

FEMA, EPA, MDNR

### **3.2 Cooperating Agencies**

Missouri National Guard, AmeriCorps

## **4. Personnel On Site**

EPA - 8

MDNR - 3

START - 6

ERRS - 62

## **5. Definition of Terms**

N/A.

## **6. Additional sources of information**

### **6.1 Internet location of additional information/report**

Please refer to: [www.epaosc.org/missourifloods2015](http://www.epaosc.org/missourifloods2015).

### **6.2 Reporting Schedule**

From this point forward, SitReps will be completed weekly or as the situation warrants.

## 7. Situational Reference Materials

Please refer to the documents section on: [www.epaosc.org/missourifloods2015](http://www.epaosc.org/missourifloods2015).