U.S. ENVIRONMENTAL PROTECTION AGENCY
SITUATION REPORT

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 7

Subject: **Situation Report (SitRep): #1**
Name of Site: Operation Wichita Twister
Stafford Act FEMA ID #: 1248 DR
Location of Site: Butler, Sedwick, and Sumner Counties with disaster declarations.
Cities within these counties include: Wichita and El Dorado.

To: **Region 7 REOC**

From: **FOSC Janice Kroone**

Date: **March 11, 2009; 1500 hours**

Reporting Period: 0800 Hrs 3/11/2009 to 1500 Hrs 3/11/2009

1.0 Introduction

1.1 Background

Site No.: N/A
Delivery Order No.: TBD
Response Authority: Stafford Act
NPL Status: Non-NPL
Start Date: March 9, 2008
Demobilization Date: N/A
Completion Date: N/A

1.1.1 Incident Category

Stafford Act activation.

1.1.2 Site Description

On March 9, 2009, thirteen tornadoes were reported in Butler, Sumner, and Sedwick counties. Due to damage caused by the storm, a fire resulted at the Frontier Oil Refinery. From the fire a release of 1.5 million gallons of gasoline occurred. On March 11, 2009, a release of chlorine occurred at the wastewater treatment plant on the south side of Wichita, KS. EPA was tasked to perform ESF-10 and ESF-3 assessment activities.

1.1.3 Preliminary Assessment/Site Inspection Results

EPA personnel are currently conducting ongoing assessments and inspection activities of affected areas. Responders will coordinate ESF-3 and ESF-10 activities with local emergency management agencies.

1.2 Objectives

EPA's current objectives include:

1. Ensure safety and health of public and responders in all actions.

2. Assess the extent released material from the Frontier Refinery and wastewater treatment plant into the environment and navigable water ways of the US.(Arkansas and Walnut Rivers).

3. Develop strategies to contain and recover petroleum materials and other released hazardous materials, substances, etc.

4. Conduct operations to monitor air releases from wastewater plant and oil refinery to support public safety of responders and the public, including determining plume path for public safety and responder notifications.

5. Coordinate with water division to conduct operations to evaluate impact to the wastewater treatment plant.

6. Provide sampling of potable drinking water for the city of Wichita.

2.0 Current Activities

2.1 Operations

2.1.1 Narrative

EPA has received FEMA ESF-3 and ESF-10 mission assignments (MA) totaling $1,583,000 to provide support services. EPA continues to coordinate with state and local officials to prioritize work locations and operational response objectives for priority areas. Additional resources to support current operations are scheduled for mobilization during the next operational period.

Situation

2.2 Planning

2.2.1. Anticipated Activities for Next Reporting Period

2.2.1.1 Planned Removal Activities

In-situ burn technique to remove product gasoline was approved for 1900 hours this evening.

2.2.1.2. Next Steps

1. Continue reconnaissance activities.
2. Establish operating staging areas.
3. Utilize electronic process for tracking and inventory purposes.
4. Develop scope and tasking for removal contractors.
5. Continue mobilization of additional personnel and anticipation of personnel and equipment needs onsite.

2.2.2 Issues

No issues identified at this time

2.3 Resources

Personnel:

NUMBER OF DEPLOYED PERSONNEL to Impacted Areas:

State/Location/Region	Current EPA Personnel In Field	Current Contractor Personnel In Field	EPA Personnel in REOC	Contractor Personnel in REOC	Total
Frontier Oil Refinery	2	1			3
Wichita Wastewater	2	2			4
Total	4	3	0	0	7

2.4 FINANCES:

MISSION ASSIGNMENTS FOR REGIONS:

State/FEMA #	Date	Amount	Purpose
1-ESF-10	3/11/2009	1,500,000	Assist with Monitoring at Wichita WW.
2-ESF-10	3/11/2009	1,500,000	Assess and Clean-up Petroleum.
3-ESF-3	3/11/2009	750,000	Support of Drinking Water
TOTAL			3,750,000

Finance Narrative:

FEMA has issued EPA Region 7 three Mission Assignments (MA) for ESF-3 and ESF-10 Support activities.

Field Equipment:

Current deployment consists of OSCs and START personnel and vehicles for reconnaissance and assessment activities. Additional resources will be mobilized as resource needs are defined by field personnel.

2.5 IMPACTED FACILITIES:

Narrative on Impacted Facilities:

Impacted Facilities consist of the Frontier Oil Refinery and the Wichita Wastewater Treatment facility.

National Priority List Sites (NPL)

No affected NPL Sites have been identified at this time.

RMP and RCRA Facilities:

No affected RMP or RCRA sites identified at this time.

2.6 MAJOR OIL/CHEMICAL SPILLS IN IMPACTED AREA

Site Name/Location	Date Reported	Quantity Released	Quantity Recovered	Containment Status

Narrative on Major Oil/Chemical Spills:

Major oil spill of concern is 1.5 million gallon release from the Frontier Oil Refinery in El Dorado, KS. The extent of the release has been identified and has stretched as far as Augusta, KS along the Walnut River. No detection of any air concerns have occurred.

2.7 NRC INCIDENT REPORTS for Hazardous Substances Releases and Oil Spills:

State/Location	Cumulative # Reported to NRC	# of Incident Related Reports to NRC	Cumulative # of Emergency Responses

Narrative on NRC Incident Reports:

No notable additional NRC reports have been discovered.

2.8 SAMPLING:

Air sampling is occurring around the Waste Water Treatment facility in Wichita, KS. Monitoring has indicated that there are detectable signs of chlorine within the evacuation radius, but no detection of chlorine outside the 1 mile radius. Air monitoring for the Frontier Oil Refinery do not indicate any detectable air monitoring levels.

2.9 DRINKING WATER AND WASTE WATER TREATMENT PLANTS:

Summary of Operational Status of Drinking Water and Wastewater systems in the impacted area:

Assessments are currently ongoing to determine the extent of impact on the Wichita Wastewater Treatment Facility.

3.0 EPA WAIVERS:

No Waivers at this time.

3.1 EPA PUBLIC AFFAIRS

PRESS RELEASES AND EVENTS FOR THIS INCIDENT:

Subject	Type (Advisory, Alert, Statement, Briefing, Conference)	Issued from (HQ or Reg)	Date Released:	Date Posted on Web:
Current Activities	Press Release	R7	3/11/2009	3/11/2009

PUBLIC INFORMATION DISTRIBUTED OR AVAILABLE

3.2 SAFETY OFFICER

Personnel conducting field activities should be cognizant of possible bio-hazards including snakes, safe watercraft operations, and hospital locations need to be determined in advance. All personnel in boats need to wear personal floatation devices. Hot and humid working conditions are the norm. Drink plenty of water and avoid alcohol and caffeine. Everyone working under hot conditions should void every one to two hours or they are becoming dehydrated. Everyone needs to be cognizant of driving distances and times after working long days in order to avoid traffic accidents. The Incident Commander and Branch Directors need to monitor for severe weather conditions in their respective operational areas. When lightening is present, operations should cease until 30 minutes past the last visible lightening strike. All personnel should move as far away from water as possible during weather events that include lightening.

Working long hours, seven days a week can lead to stress. EPA has personnel in R7 and in HQ to field calls from responders who are feeling stressed. The call-in number is 202-253-4177.

3.1 Situational Reference Materials

Maps, Quality Assurance Project Plans, SitReps, official documents, and photographs can be

found on www.epaosc.org/exercisewichitatornado.