

## **Sheen Monitoring Report #42**

Period: 08/04/2014 through 08/10/2014

Monitoring Days: 08/08/2014\*

\*Weekly sheen monitoring started on 03/11/2014.

<u>Summary of Rainfall:</u> A qualifying storm is defined as at least 0.25-inch rainfall in 3 hours and at least 72 hours since the previous qualifying storm.

Date	Maximum 3-hr Precipitation	Qualifying Storm
08/04/2014	0.00 inches	No
08/05/2014	0.00 inches	No
08/06/2014	0.00 inches	No
08/07/2014	0.00 inches	No
08/08/2014	0.07 inches	No**
08/09/2014	0.16 inches	No
08/10/2014	0.00 inches	No

<sup>\*\*</sup>Weekly sheen monitoring and removal event was conducted on 08/08/2014.

<u>Mitigation:</u> Suspected petrogenic sheens were removed using absorbent materials.

## Observations in Cove Inlet Channel:

No sheen observed.

## Observations in Cove:

• One patch/streamer of rainbow sheen; and two patches and four patches/streamers of silver gray sheen observed. Sheens did not break when disturbed ("non-brittle")<sup>1</sup>.

## Path Forward for 08/11/2014 through 08/17/2014:

· Conduct sheen monitoring in Cove.

#### Notes:

- Non-brittle sheens are often related to anthropogenic sources, including petrogenic sources (e.g., petroleum hydrocarbons).
- 2. Brittle sheens are often of natural biogenic origin.
- 3. Laboratory testing is required to distinguish sheen sources (e.g., crude oil, roadway runoff, natural biologic activity).
- Sheen color (dark/metallic/rainbow/silver gray) and structure (patches/streamers/cover) terminology reference: NOAA 2007. NOAA Open Water Oil Identification Job Aid.

# Mayflower Pipeline Incident Response

# Mayflower, Arkansas

#### Legend:

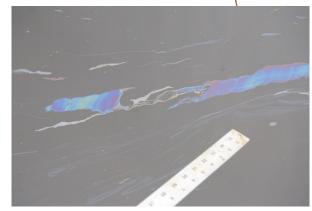
Green Line - No Sheen

Pink Circle - Non-Brittle Sheen Location

**OW-1 - Shoreline Observation Location** 



Cove (Summary of Observations from 08/04/2014 through 08/10/2014)



Rainbow Sheen Patch/Streamer Observation on 08/08/2014