

US EPA ARCHIVE DOCUMENT

<b>1. Incident Name</b>	<b>2. Date Prepared</b>	<b>3. Time Prepared</b>	<b>UNIT LOG ICS 214</b>	
Kalamazoo River/Enbridge Spill	06/2/2012	1900		
<b>4. Unit Name/Designators</b>	<b>5. Unit Leader</b>		<b>6. Operational Period :</b>	
Operations Unit/Containment Branch Monitoring Group	<b>Name:</b>	Dan Capone & Joe Victory (START/US EPA)	<b>From:</b>	06/2/2012 0630
	<b>Position:</b>	Operations Section Chief	<b>To:</b>	06/2/2012 1800

7. Personnel Roster Assigned		
Name	ICS Position	DUTY CELL
Dan Capone	Operations Section Chief	
Joe Victory	Operations Section Chief	
Rex Johnson	Deputy Director	
Dan Zahner	Field Team Lead	
Greg Wagner	CBM Team 2	

8. Activity Log			
Activity Area		LAT	LAT
		Various (DD.MMMM)	Various (DD.MMMM)
<b><u>OIL OBSERVED</u></b>	<b>EXTENT OF OIL IMPACTED AREA</b>		
	<b>DENSITY OF OIL /SHEEN</b>		
Total Collection Points			
Total Boom Deployed			

**Weston/START Containment Branch Monitoring Group (CBM) Team Activity:**  
 Greg Wagner and Dylan Massey (LBG) conducted (1) Control & Containment Point inspections at shoreline and overbank locations from Kalamazoo River mile post 2.25 (C0.0) through 14.00 (2) Water & Sediment Temperature & Level Readings.

- 0630: Meeting with EPA, START, and Enbridge contractors to discuss Containment Operations.
- 0730- 1800: START and LBG members conducted inspections. Observations and recommended actions were logged in the START CBM Team 2 log book, as well as discussed with Dylan Massey. Dylan Massey informed Enbridge contractors to make recommended actions.

**WATER/SEDIMENT TEMPERATURE AND LEVEL READINGS:**

Activity	LOCATION	WATER TEMP	SEDIMENT TEMP	WATER LEVEL
	MP 2.25 (C 0.0 Launch)	62.1	59.8	3.3
	MP 5.25 (C0.4 Launch)	56.2	58.2	1.8
	MP 10.0 (C3.2 Launch)	58.1	61.1	1.7
	MP 15.0 (C5 Launch)	58.1	58.8	2.9
	MP 18.75 (D2 Launch)			
	MP 21.5 (D5)			
	MP 27.0 (E0.5 Launch)			
	MP 30.0 (E2 Launch)			
	MP 35.0 (E3 Launch)			
	MP 38.0 (E4 Launch)			
	<b>AVERAGE</b>	<b>58.6</b>	<b>59.5</b>	<b>2.4</b>

**WEEKLY/AFTER RAIN EVENT INSPECTION:**

**Talmadge Creek:** (11) Pom-Poms deployed at 7 culvert locations:

MP 0.00: Upstream of source:  
MP 0.04: Below Source (Culvert 1):  
MP 0.27: Between Source & Division Road (Culvert 2):  
MP 0.50: Division Road (Culvert 3): MP 0.74: Hillbilly Road (Culvert 4):  
MP 1.09: 16 Mile Road (Culvert 5):  
MP 1.28: 15 ½-Mile Road (Culvert 6): MP 1.57: B4.5 (Culvert 7):  
MP 1.77: Saylor's Property (Culvert 8): MP 1.99: A Drive North (Culvert 9):  
MP 2.02: Talmadge Creek before Confluence:

**DAILY CONTAINMENT MONITORING:**

**Kalamazoo River:** Control (CT) & Containment (CTM) Points (14) deployed are:

MP 5.75 (Ceresco Dam): Control Point booms intact. Observed some silver sheen and rainbow sheen on the water surface near the control boom. Area of sheen is 150' x 2' = 300 sq. ft.  
MP 8.50 L1 (8.48 LDB): Containment intact. No sheen observed.  
MP 8.50 L3 (8.48 LDB): Containment intact. No sheen observed.  
MP 8.75 R1: Containment intact. Silver sheen observed. Area of sheen is 1' x 1' = 1 sq.ft.  
MP 9.00 I2 (8.97I): Containment intact. No sheen observed.  
MP 10.75 LDB: Containment intact. Silver sheen observed. Area of sheen is 12' x 1' = 12 sq. ft.  
MP 11.75 L2 (11.79 LDB): New containment boom was installed yesterday at this location. No sheen was observed today.  
MP 14.98I:  
MP 15.65 (Battle Creek Spillway):  
MP 17.00 L1 (Rock Tenn):  
MP 21.50 (Oxbow):  
MP 30.8 LDB:  
MP 37.75 (E4):

**RIVER REOPENING MILE POSTS:**

MP -2.70 to MP 2.25:  
MP 2.25 to MP 5.90:  
MP 5.90 to MP 9.50:  
MP 9.50 to MP 13.75:  
MP 13.75 to MP 15.65:  
MP 15.65 to MP 18.75:  
MP 18.75 to MP 30.00:  
MP 30.00 to MP 35.25  
MP 35.25 to MP 37.75:  
MP 37.75 to MP 40.00:

Total sheen in control points: 300 sq. ft.  
Total sheen within containment: 13 sq. ft.  
Total Sheen: 313 sq. ft.

**Helicopter Fly-Over Pictures:**

CBM-2 inspected locations today resulting from sheen observed on the helicopter overflight today. Observed sheen at MP 1.57 culvert between 15 ½ Mile Road and I-69. Hexane testing was performed and the sheen was

	<p>identified as biogenic sheen.</p> <p>Inspected MP 7.50 Island again today. Sheen was observed in a small pool of water on the island. A hexane test was performed at this location yesterday and was found to be biogenic sheen. The hexane test today was performed at the same location and the results also indicated biogenic sheen.</p> <p>Inspected a location at MP 11.25 where sheen was seen in a ponded area to the north of the right descending bank of the river. The sheen was tested using the hexane protocol and was identified as petroleum sheen.</p> <p>Inspected an area near MP 11.0 (approx. 100' downstream of the 11.0 marker on the right descending bank. Sheen was observed leaching from the backfill material from a previous overbank excavation. A hexane test was performed and the sheen was identified as biogenic sheen.</p> <p>Inspected a location at MP 8.0 on the right descending bank. It is a location that has been identified as a potential trouble spot. No sheen was observed there today.</p>
<p><b>Health and Safety Issues</b></p>	
<p><b>Comments</b></p>	<p>None.</p>