

US EPA ARCHIVE DOCUMENT

1. Incident Name	2. Date Prepared	3. Time Prepared	UNIT LOG ICS 214	
Kalamazoo River/Enbridge Spill	05/23/2012	1815		
4. Unit Name/Designators	5. Unit Leader		6. Operational Period :	
Operations Unit/Containment Branch Monitoring Group	Name:	Dan Capone & Joe Victory (START/US EPA)	From:	05/23/2012 0615
	Position:	Operations Section Chief	To:	05/23/2012 1730

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)
<u>OIL OBSERVED</u>	EXTENT OF OIL IMPACTED AREA		
	DENSITY OF OIL /SHEEN		
Total Collection Points			
Total Boom Deployed			

Weston/START Containment Branch Monitoring Group (CBM) Team Activity:
 Greg Wagner and Dylan Massey conducted (1) Control & Containment Point inspections at shoreline and overbank locations from Kalamazoo River mile post 18.75 (D2) through Morrow Lake. (2) Water & Sediment Temperature & Level Readings.

- 0630: Meeting with EPA, START, and Enbridge contractors to discuss Containment Operations.
- 0730- 1730: 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)			
	MP 5.25 (C0.4 Launch)			
	MP 10.0 (C3.2 Launch)			
	MP 15.0 (C5 Launch)			
	MP 18.75 (D2 Launch)	71.6	62.8	1.1
	MP 21.5 (D5)	69.8	61.5	4.6
	MP 27.0 (E0.5 Launch)	68.0	65.5	0.8
	MP 30.0 (E2 Launch)	65.0	60.5	0.9
	MP 35.0 (E3 Launch)	69.0	60.0	0.0
	MP 38.0 (E4 Launch)	62.8	63.0	1.0
	AVERAGE	67.70	62.21	1.40

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):
MP 8.50 L1 (8.48 LDB):
MP 8.50 L3 (8.48 LDB):
MP 8.75 R1:
MP 9.00 I2 (8.97I):
MP 10.75 LDB:
MP 11.75 L2 (11.79 LDB):
MP 14.98I:
MP 15.65 (Battle Creek Spillway):
MP 17.00 L1 (Rock Tenn):
MP 21.50 (Oxbow): Silver sheen observed inside the containment. Area of sheen is 1' x 20' = 20 sq. ft.
MP 30.8 LDB: No sheen observed at this location today.
MP 37.75 (E4): Observed silver sheen at the control point collection point today. Area of sheen is 1' x 600' = 600 sq. ft.

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: 600 sq. ft.
Total sheen within containment: 20 sq. ft.
Total Sheen: 620 sq. ft.

Helicopter Fly-Over Pictures:

CBM 2 received call regarding potential sheen sighted near Morrow Lake Dam and MP 37.75 (the cove). CBM 2 responded to the inspection request at 1430. Further inspection on the north and south sides of the dam, and subsequent hexane testing, revealed that the film in question was not petroleum-based. The film

	<p>contained floating algae particles, organic detritus, and cottonwood seeds.</p> <p>CBM 2 also responded to an inspection request for MP 37.75 on Morrow Lake in the cove west of the E4 boat launch. Observed numerous small points and ribbons of silver sheen scattered around the north side of the cove. Further inspection and subsequent hexane testing revealed that the sheen in question was, in fact, oil sheen. Significant quantities of organic matter and floating detritus also exists at this location.</p>
Health and Safety Issues	None
Comments	None.