

US EPA ARCHIVE DOCUMENT

1. Incident Name	2. Date Prepared	3. Time Prepared	UNIT LOG ICS 214	
Kalamazoo River/Enbridge Spill	04/20/2012	1615		
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:	04/20/2012 0600
	Position:	Operations Section Chief	To:	04/20/2012 1600

7. Personnel Roster Assigned		
<u>Name</u>	<u>ICS Position</u>	<u>DUTY CELL</u>
Dan Capone	Operations Section Chief	
Joe Victory	Operations Section Chief	
Rex Johnson	Deputy Director	
Dan Zahner	Field Team Lead	
Karen Berez	CBM Team 2	

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

Activity	<u>Weston/START Containment Branch Monitoring Group (CBM) Team Activity:</u>			
	<p>Karen Berez and Dylan Massey conducted (1) Control & Containment Point inspections at shoreline locations at Talmadge Creek. (2) Control & Containment Point inspections at shoreline and overbank locations from Talmadge Creek and Kalamazoo River mile post 0.00 through 10.00. (3) Water & Sediment Temperature & Level Readings.</p> <ul style="list-style-type: none"> • 0630: Meeting with EPA, START, and Enbridge contractors to discuss Containment Operations. • 0700 - 1600: 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. 			
	LOCATION	WATER TEMP	SEDIMENT TEMP	WATER LEVEL
	MP 2.25 (Confluence)	58.1	54.7	3.5
	MP 5.25 (C0.4 Launch)	62.0	59.6	2.5
	MP 10.0 (C3.2 Launch)	60.5	59.3	2.2
	MP 15.0 (C5 Launch)			
	MP 15.6 (Culverts)	N/A	N/A	N/A
	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)				
AVERAGE	60.2	57.87		

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 2.25 (Confluence): No oil and/or sheen observed along Talmadge Creek leading to confluence or at confluence.
MP 5.25 (C 0.4): SWAT has completed removal of check point. Site removed from daily containment monitoring. Very slight silver sheen and pinhead oil globules observed in former check point area. Possible source of sheen could be submerged oil that has surfaced when jet boat motor agitates the water and sediment.
MP 5.75 (Ceresco Dam): Slight silver and rainbow sheen and a few pinhead sized oil globules observed intermittently along control point. Area of sheen is 10' x 3' = 30 sq. ft. SWAT cleaning out collection area on southern shore. Amount of organic debris in collection areas has decreased significantly from yesterday to today.
MP 8.50 L1 (8.48 LDB): No oil and/or sheen observed within containment.
MP 8.50 L3 (8.48 LDB): Slight silver sheen observed within containment. Area of sheen is 2' x 1' = 2 sq. ft.
MP 8.75 R1: Slight silver and rainbow sheen and a few pinhead sized oil globules observed within containment. Area of sheen is 3' x 5' = 15 sq. ft. Also, observed within containment is a slight film of sheen across the majority of the water surface that is a mixture of biological and petroleum sheen.
MP 9.00 I2 (8.97I): No oil and/or sheen observed within containment.
MP 10.75 LDB:
MP 11.75 L2 (11.79 LDB):
MP 14.98I:
MP 15.65 (Battle Creek Dam):
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: Placed signage on walling tube sediment samplers (samplers WSS01 and WSS02) upstream of confluence. Signs read "scientific device – please do not disturb."
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:

	<p>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:</p> <p>Total sheen in control points: 30 sq. ft. Total sheen within containment: 17 sq. ft. Total Sheen: 37 sq. ft.</p> <p><u>Helicopter Fly-Over Pictures:</u></p> <p>CBM 2 had no Situation Photo Log pictures to inspect today.</p>
<p>Health and Safety Issues</p>	<p>None</p>
<p>Comments</p>	<p>SWAT has completed installation of sediment curtain and containment boom just below power house. Await backfilling of area with stone.</p>