

US EPA ARCHIVE DOCUMENT

1. Incident Name		2. Date Prepared	3. Time Prepared	UNIT LOG ICS 214																																																	
Kalamazoo River/Enbridge Spill		05/05/2012	1700																																																		
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:	05/05/2012 0600																																																
		Position:	Operations Section Chief	To:	05/05/2012 1630																																																
7. Personnel Roster Assigned																																																					
<u>Name</u>		<u>ICS Position</u>		<u>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>		<u>EXTENT OF OIL IMPACTED AREA</u>																																																			
		<u>DENSITY OF OIL /SHEEN</u>																																																			
Total Collection Points																																																					
Total Boom Deployed																																																					
Activity		<p><u>Weston/START Containment Branch Monitoring Group (CBM) Team Activity:</u> 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 13.50 through 40.00. (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. • 0800- 1430: 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. <p><u>WATER/SEDIMENT TEMPERATURE AND LEVEL READINGS:</u></p> <table border="1"> <thead> <tr> <th>LOCATION</th> <th>WATER TEMP</th> <th>SEDIMENT TEMP</th> <th>WATER LEVEL</th> </tr> </thead> <tbody> <tr><td>MP 2.25 (C 0.0 Launch)</td><td>61.4</td><td>58.5</td><td>3.5</td></tr> <tr><td>MP 5.25 (C0.4 Launch)</td><td>59.64</td><td>59.85</td><td>2.3</td></tr> <tr><td>MP 10.0 (C3.2 Launch)</td><td>61.92</td><td>60.39</td><td>2.1</td></tr> <tr><td>MP 15.0 (C5 Launch)</td><td>61.00</td><td>61.26</td><td>3.3</td></tr> <tr><td>MP 18.75 (D2 Launch)</td><td>61.1</td><td>57.1</td><td>1.7</td></tr> <tr><td>MP 21.5 (D5)</td><td>60.6</td><td>59.3</td><td>5.6</td></tr> <tr><td>MP 27.0 (E0.5 Launch)</td><td>61.7</td><td>61.2</td><td>2.1</td></tr> <tr><td>MP 30.0 (E2 Launch)</td><td>61.6</td><td>57.4</td><td>0.7</td></tr> <tr><td>MP 35.0 (E3 Launch)</td><td>60.9</td><td>54.7</td><td>0.6</td></tr> <tr><td>MP 38.0 (E4 Launch)</td><td>61.0</td><td>61.5</td><td>1.4</td></tr> <tr> <td>AVERAGE</td> <td>61.09</td> <td>59.12</td> <td></td> </tr> </tbody> </table>				LOCATION	WATER TEMP	SEDIMENT TEMP	WATER LEVEL	MP 2.25 (C 0.0 Launch)	61.4	58.5	3.5	MP 5.25 (C0.4 Launch)	59.64	59.85	2.3	MP 10.0 (C3.2 Launch)	61.92	60.39	2.1	MP 15.0 (C5 Launch)	61.00	61.26	3.3	MP 18.75 (D2 Launch)	61.1	57.1	1.7	MP 21.5 (D5)	60.6	59.3	5.6	MP 27.0 (E0.5 Launch)	61.7	61.2	2.1	MP 30.0 (E2 Launch)	61.6	57.4	0.7	MP 35.0 (E3 Launch)	60.9	54.7	0.6	MP 38.0 (E4 Launch)	61.0	61.5	1.4	AVERAGE	61.09	59.12	
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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): Very slight silver sheen and $\frac{1}{32}$ " to $\frac{1}{16}$ " sized oil globules randomly observed in the southwestern edge of containment. Area of sheen is 2' x 3' = 6 sq. ft.
 MP 17.00 L1 (Rock Tenn): Slight silver sheen and $\frac{1}{32}$ " to $\frac{1}{8}$ " sized oil globules observed within primary containment. Area of sheen is 5' x 10' = 50 sq. ft.
 MP 21.50 (Oxbow): Very slight silver sheen and $\frac{1}{16}$ " sized oil globules observed within containment. Area of sheen is 1' x 5' = 5 sq. ft.
 MP 30.8 LDB: No oil and/or sheen observed within containment.
 MP 37.75 (E4): Very slight silver sheen observed at collection area and along control point. Area of sheen 15' x 1' = 15 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: Randomly floating streamers of silver sheen observed adjacent to boat launch D2 (MP 18.75).
 MP 18.75 to MP 30.00: Randomly floating streamers of silver sheen and occasional oil globule observed adjacent to RDB at MP 21.50 just upstream of oxbow. SWAT notified of observation, sheen sweep boats to be directed to area.
 MP 30.00 to MP 35.25: Randomly floating streamers of silver sheen and occasional oil globule observed adjacent to boat launch E2 (MP 29.75).
 MP 35.25 to MP 37.75: Randomly floating streamers of silver sheen and occasional oil globule observed adjacent to boat launch E3 (MP 35.25).
 MP 37.75 to MP 40.00:

Total sheen in control points: 21 sq. ft.

	<p>Total sheen within containment: 55 sq. ft. Total Sheen: 76 sq. ft.</p> <p><u>Helicopter Fly-Over Pictures:</u></p> <p>Situation Photo Log from Saturday May 5, 2012.</p> <ul style="list-style-type: none"> • Photo 43 and 44: No oil and/or sheen observed in area behind embankment. Randomly floating streamers of silver sheen and 1/32" to 1/16" sized oil globules observed in former submerged oil/O&M site 26.50 R1. SWAT notified of observation, sheen sweep boats to be directed to area. • Photo 47: No oil and/or sheen observed in cove area. Randomly floating streamers of silver sheen and 1/16" sized oil globules observed adjacent to site on river. SWAT notified of observation, sheen sweep boats to be directed to area. Potential source of sheen is SO 30.7 North. • Photo 49: No oil and/or sheen observed in area from photo. Randomly floating streamers of silver sheen observed on river adjacent to area. SWAT notified of observation, sheen sweep boats to be directed to area.
Health and Safety Issues	None
Comments	None