1. Incident Name	2. Date Prepared	3. Time Prepared	UNIT LOG ICS 214
Kalamazoo River/Enbridge Spill	05/14/2012	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:**	05/14/2012 0600
	Position:	Operations Section Chief	**To:**	05/14/2012 1555

7. Personnel Roster Assigned

Name	ICS Position	DUTY CELL
Dan Capone	Operations Section Chief	[redacted]
Joe Victory	Operations Section Chief	
Rex Johnson	Deputy Director	
Dan Zahner	Field Team Lead	
Karen Berecz	CBM Team 2	

8. Activity Log

Activity Area		**LAT Various** (DD.MMMM)	**LAT Various** (DD.MMMM)
OIL OBSERVED	**EXTENT OF OIL IMPACTED AREA**		
	DENSITY OF OIL /SHEEN		
Total Collection Points			
Total Boom Deployed			

Activity

Weston/START Containment Branch Monitoring Group (CBM) Team Activity:

Karen Berecz 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 13.50. (3) Water & Sediment Temperature & Level Readings.

- 0630: Meeting with EPA, START, and Enbridge contractors to discuss Containment Operations.
- 0740- 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.

WATER/SEDIMENT TEMPERATURE AND LEVEL READINGS:

LOCATION	WATER TEMP	SEDIMENT TEMP	WATER LEVEL
MP 2.25 (C 0.0 Launch)	65.8	59.0	3.3
MP 5.25 (C0.4 Launch)	59.0	59.3	2.1
MP 10.0 (C3.2 Launch)	63.7	59.4	19.
MP 15.0 (C5 Launch)	63.7	62.0	3.1
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	**63.05**	**59.93**	

WEEKLY/AFTER RAIN EVENT INSPECTION:

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

MP 0.00: Upstream of source: No oil sheen and/or oil globules observed within containment. Turbidity reading = 20.5 NTU.
MP 0.04: Below Source (Culvert 1): No oil sheen and/or oil globules observed within containment. Snare boom intact and in good condition. Turbidity reading = 14.8 NTU.
MP 0.27: Between Source & Division Road (Culvert 2): No oil sheen and/or oil globules observed within containment. Snare boom intact and in good condition. Turbidity reading = 11.2 NTU.
MP 0.50: Division Road (Culvert 3): No oil sheen and/or oil globules observed within containment. Snare boom intact and in good condition. Turbidity reading = 9.51 NTU.
MP 0.74: Hillbilly Road (Culvert 4): No oil sheen and/or oil globules observed within containment. Snare boom intact and in good condition. Turbidity reading = 9.51 NTU.
MP 1.09: 16 Mile Road (Culvert 5): No oil sheen and/or oil globules observed within containment. Turbidity reading = 6.09 NTU.
MP 1.28: 15 ½-Mile Road (Culvert 6): No oil sheen and/or oil globules observed within containment. Snare boom intact and in good condition. Turbidity reading = 5.84 NTU.
MP 1.57: B4.5 (Culvert 7): No oil sheen and/or oil globules observed within containment. Snare boom intact and in good condition. Turbidity reading = 5.41 NTU.
MP 1.77: Saylor's Property (Culvert 8): No oil sheen and/or oil globules observed within containment. Turbidity reading = 4.48 NTU.
MP 1.99: A Drive North (Culvert 9): No oil sheen and/or oil globules observed within containment. Snare boom intact and in good condition. Turbidity reading = 3.97 NTU.
MP 2.02: Talmadge Creek before Confluence: No oil sheen and/or oil globules observed within containment. Turbidity reading = 3.35 NTU.

DAILY CONTAINMENT MONITORING:

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

MP 5.75 (Ceresco Dam): Silver oil sheen and $^{1}/_{32}$" to $^{1}/_{8}$" sized oil globules observed in collection area and intermittently along control point. Area of sheen is 1' x 80' = 80 sq. ft.
MP 8.50 L1 (8.48 LDB): Very slight silver oil sheen observed within containment. Area of sheen is 1' x 2' = 2 sq. ft.
MP 8.50 L3 (8.48 LDB): No oil sheen and/or oil globules observed within containment.
MP 8.75 R1: Very slight silver oil sheen observed within containment. Area of sheen is 1' x 1' = 1 sq. ft.
MP 9.00 I2 (8.97I): No oil sheen and/or oil globules observed within containment.
MP 10.75 LDB: Moderate silver oil sheen observed within containment. Area of sheen is 8' x 12' = 96 sq. ft.
MP 11.75 L2 (11.79 LDB): Very minute amount of silver oil sheen observed within containment. Amount of sheen observed is too insignificant to quantify. Upstream area within containment is now a mudflat area due to drop in river level.
MP 14.98I: Very slight silver oil sheen observed within containment. Area of sheen is 2' x 4' = 8 sq. ft.
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: 80 sq. ft. Total sheen within containment: 107 sq. ft. Total Sheen: 187 sq. ft. **Helicopter Fly-Over Pictures:** CBM 2 had no Situation Photo Log pictures to inspect today.
Health and Safety Issues	None
Comments	None.