

US EPA ARCHIVE DOCUMENT

1. Incident Name		2. Date Prepared	3. Time Prepared	UNIT LOG ICS 214	
Kalamazoo River/Enbridge Spill		07/18/2012	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:	07/18/2012 0600
		Position:	Operations Section Chief	To:	07/18/2012 1630
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 1			
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		<u>Weston/START Containment Branch Monitoring Group (CBM) Team Activity:</u>			
		<p>Karen Berez and David Pesses 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 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- 1630: START and LBG members conducted inspections. Observations and recommended actions were logged in the START CBM Team 1 log book, as well as discussed with David Pesses. David Pesses informed Enbridge contractors to make recommended actions. 			
		<u>WATER/SEDIMENT TEMPERATURE AND LEVEL READINGS:</u>			
		LOCATION	WATER TEMP	SEDIMENT TEMP	WATER LEVEL
		MP 2.25 (C 0.0 Launch)	87.80	81.60	3.2
		MP 5.25 (C0.4 Launch)	87.57	79.56	1.2
		MP 10.0 (C3.2 Launch)	81.01	80.49	1.35
		MP 15.0 (C5 Launch)	83.22	82.66	2.6
		MP 18.75 (D2 Launch)	83.32	80.85	0.65
		MP 21.5 (D5)	82.09	79.25	3.7
		MP 27.0 (E0.5 Launch)	80.82	62.11	0.0
		MP 30.0 (E2 Launch)	81.22	80.80	0.0
		MP 35.0 (E3 Launch)	79.19	65.58	0.0
		MP 38.0 (E4 Launch)	80.84	80.81	0.6
		AVERAGE	82.71	77.37	

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): Moderate to heavy amounts of silver and rainbow oil sheen along with oil globules observed collecting along control point. Moderate amounts of organic debris also collecting along control point. At time of inspection sheen sweep boat was pulled from sheen management duties due to a hole in one of the pontoons.

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): Back channel that was previously contained is mostly dried up with very little standing water. No oil and/or oil sheen was observed on formerly contained channel or on river downstream from site. Rainbow oil sheen and oil globules were observed on pond inland that feeds channel.

MP 14.75 RDB:
MP 15.65 (Battle Creek Spillway):
MP 19.25 LDB:
MP 21.50 (Oxbow): Observations made from Custer Road bridge. Light amounts of silver oil sheen streamers and occasional oil globules observed randomly free floating off RDB on river west of Custer Dr. bridge. Moderate amounts of silver oil sheen and occasional oil globules observed randomly free floating off RDB on river east of Custer Dr. bridge. Location is on sheen sweep boat daily sheen management list.

MP 30.8 LDB: Very random free floating silver oil sheen streamers observed at previously contained site. No oil and/or oil sheen observed on river downstream from location.

MP 37.75 (E4): Observations at this location were made by Dan Zahner.

RIVER REOPENING MILE POSTS:

MP -2.70 to MP 2.25:
MP 2.25 to MP 5.90: MP 5.25 to MP 5.60 LDB: Light to moderate amount of silver and rainbow oil sheen with oil globules observed free floating on river segment. MP 5.60 to control point LDB: Heavy silver and rainbow oil sheen with oil globules observed free floating on river segment. MP 5.60 to control point RDB: Light to moderate amounts of silver and rainbow oil sheen and oil globules observed free floating on river segment.

MP 5.90 to MP 9.50:
MP 9.50 to MP 13.75:
MP 13.75 to MP 15.65: C5 Boat Launch: Slight amounts of silver oil sheen streamers and occasional oil

	<p>globules observed free floating past boat launch. Sheen sweep boat notified to perform sheen management at location.</p> <p>MP 15.65 to MP 18.75: MP 18.75 to MP 30.00: MP 30.00 to MP 35.25: E2 Boat Launch: Very random free floating silver oil sheen streamers observed along shoreline at boat launch. Sheen not significant enough to notify sheen sweep boat. MP 35.25 to MP 37.75: MP 37.75 to MP 40.00:</p> <p>Total sheen in control points: Total sheen within containment: Total Sheen: No longer quantifying sheen at containment or control points per David Pesses.</p> <p><u>Helicopter Fly-Over Pictures:</u></p> <p>Tuesday, July 17, 2012</p> <p>Photo 15: Unable to perform sheen test. Access to location is on a very soft mudflat that cannot be reached by boat or foot.</p> <p>Photo 16: Sheen test samples were collected by David Pesses and brought back to the boat for testing and visual observation by Karen Berecz. This was done due to the limited access to location. Visible observation - biological sheen per David Pesses. Hexane test – clear, no color change. Jar test- no sheen observed after agitation and 2 minute waiting time. Stick test – per David Pesses, sheen did not coalesce but did fracture.</p>
<p>Health and Safety Issues</p>	<p>None</p>
<p>Comments</p>	<p>MP 28.00 LDB: Site location is predominately dry with the rest of the site covered in very shallow water. No oil and/or oil sheen observed on river downstream from location.</p> <p>MP 33.00 LDB: No water in back cove area. No oil and/or oil sheen observed on river downstream from location.</p>