1. Incident Name	2. Date Prepared	3. Time Prepared	UNIT LOG ICS 214
Kalamazoo River/Enbridge Spill	12/15/2012	15:40	

4. Unit Name/Designators	5. Unit Leader		6. Operational Period :	
CBR Team #4	**Name:**	Dan Capone & Chris Lantinga (START/US EPA)	**From:**	12/15/2012 07:54
	Position:	Operations Section Chief	**To:**	12/15/2012 14:40

7. Personnel Roster Assigned

Name	ICS Position	DUTY CELL
Dan Capone	Operations Section Chief	
Chris Lantinga	Operations Section Chief	
Dan Zahner	Field Team Lead	
Michael Thierry	CBR #4	

8. Activity Log

Activity Area	**Sediment trap area at MP 21.50**	**LAT Various** (DD.MMMM)	**LAT Various** (DD.MMMM)
OIL OBSERVED	**EXTENT OF OIL IMPACTED AREA**	NA	
	DENSITY OF OIL /SHEEN	NA	
Total Collection Points	**NA**		
Total Boom Deployed	**NA**		

Activity

START CBR Team 4 Activity:

START CBR 4 conducted oversight documentation of Enbridge Team of Eric Celebrezze (Team Lead, Trimble SPC3 Operator and Data Logger) and Marcin Steciak (Field Technician). The base station was set up at MP 21.50 oxbow (RDB) bench mark CP 1046 for work on transects R, S, T, U and V. The back shots and QC back shots were taken at bench mark CP 1045 (RDB side Oxbow) and 1044 (RDB side Oxbow). The delta V for the back shots and QC back shots were below .02. Team moved base station to bench mark CP 1047 for work on transects W, X and Y. The back shots and QC back shots were taken at bench mark CP 1048 (RDB side Oxbow) and 1046 (LDB side Oxbow). The delta V for the back shots and QC back shots were below .02. Team took river flow readings, water depth and bathymetry readings along transects T, U, V, W, X and Y MP 21.50 oxbow. Points are taken every four feet along transects. Team collects between 4 and 8 water flow readings along each transect. Team pulled the downstream CSD prior to entering the oxbow at 21.50. The CSD were placed back in the water at the end of the day. Sheen and globules were stirred up by the boats at several location on the downstream end of the oxbow.

Team used the Trimble S6 base station (Robot), Trimble SPC3 hand held data logger,

YUMA, global water probe model FP211 for velocity flow, metal prism rod with 8" metal disk on the bottom for water depth and to survey each point.

Summary Transect R (MP 21.50)

They collected bathymetry measurements at three points along RDB side of transect A. Team took all river flow readings for this transect yesterday (12/14/2012). Orientation of data collection South to North.

Summary Transect S (MP 21.50)

They collected bathymetry measurements at four points along transect S. Team took all river flow readings for this transect yesterday (12/14/2012). Orientation of data collection South to North.

Summary Transect T (MP 21.50)

They collected bathymetry measurements at thirty-three points along transect T. Team took five river flow readings for this transect. Orientation of data collection from South (LDB) to North (RDB) for transect T.

Summary Transect U (MP 21.50)

They collected bathymetry measurements at thirty-six points along transect U. Team took five river flow readings for this transect. Orientation of data collection from South (LDB) to North (RDB) for transect U.

Summary Transect V (MP 21.50)

They collected bathymetry measurements at thirty-six points along transect V. Team took five river flow readings for this transect. Orientation of data collection from South (LDB) to North (RDB) for transect V.

Summary Transect W (MP 21.50)

They collected bathymetry measurements at thirty-seven points along transect W. Team took five river flow readings for this transect. Orientation of data collection from South (LDB) to North (RDB) for transect W.

Summary Transect X (MP 21.50)

They collected bathymetry measurements at forty points along transect X. Team took five river flow readings for this transect. Orientation of data collection from South (LDB) to North (RDB) for transect X.

Summary Transect Y (MP 21.50)

They collected bathymetry measurements at forty-five points along transect Y. Team took five river flow readings for this transect. Orientation of data collection from South (LDB) to North (RDB) for transect Y.

	Weather: Morning 35 degrees, cloudy with 10 mph winds from Southeast. Afternoon 42 degrees, rain with winds 10 to 15 mph from the Southeast.
Health and Safety Issues	
Comments	