1. Incident Name	2. Date Prepared	3. Time Prepared	UNIT LOG ICS 214
Kalamazoo River/Enbridge Spill	12/07/2012	1600	

4. Unit Name/Designators	5. Unit Leader		6. Operational Period :	
Operations Unit/Submerged Oil Branch, Science Group	**Name:**	Dan Capone & Chris Lantinga (START/US EPA)	**From:**	12/07/2012 0700
	Position:	Operations Section Chief	**To:**	12/07/2012 1600

7. Personnel Roster Assigned

Name	ICS Position	DUTY CELL
Dan Capone	Operations Section Chief	
Chris Lantinga	Deputy Operations Section Chief	
Dan Zahner	Field Team Lead	
Marc Wahrer	SOS Team #1	

8. Activity Log

Activity Area	Oversee core logging and sampling for the Agitation Study and Quantification Study	**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 Submerged Oil Branch Science Group (SOS) Team Activity:

SOS team 1 (Marc Wahrer) oversaw core logging and sampling at the wildlife center building logging station at C3.2 boat launch area as part of the agitation assessment study and quantification study. I oversaw the logging team of Jerry Kreamer (logging lead). We completed the last agitation assessment core today and then completed 3 background cores for the quantification study. For the agitation study they collected 3 cores pre agitation and 3 cores post agitation. Each of the 6 cores were logged and placed together to determine the depth of the agitation impact. The following cores were logged and sampled:

AGITATION ASSESSMENT CORES

SEKR3700C location

- **SEKR2150C603 pre agitation cores A, B, C: No sheen or oil observed under visible light or UV light. No petroleum odors observed.**
- **SEKR2150C611 post agitation cores A, B, C: No sheen or oil observed under visible light or UV light. No petroleum odors observed.**
- **Determined that the maximum agitation extent was 1.0 foot based on observation from the 3 post and 3 pre agitation core observations.**
- **AECOM collected 1 sample from the pre agitation cores (after compositing the top 1 foot from the 3 cores). AECOM collected 1 sample from the pos agitation cores (after compositing the top 1 foot from the 3 cores). The samples were**

	shipped to the laboratory today. **QUANTIFICATION STUDY CORES** · **SE3333C701: No sheen or oil observed under visible light or UV light. No petroleum odors observed. AECOM collected 6 sediment samples (included 1 duplicate sample). Three samples were submitted for analysis and 3 for lab hold.** · **SE1111C703: No sheen or oil observed under visible light in core. Several small pinhead size globules (<5) observed in top 0.0-0.08) top of core under UV light, UV – 1%. No petroleum odors observed. AECOM collected 9 sediment samples (included 1 MS/MSD sample). Three samples were submitted for analysis and 6 for lab hold.** · **SE2222C702: No sheen or oil observed under visible light or UV light in core. No petroleum odors observed. AECOM collected 6 sediment samples (included 1 duplicate sample). Six samples were submitted for analysis and none for lab hold.** · **Today they also had someone from the lab come and pick up the following cores that were going for bulk density testing: SEKR0550C, SEKR3745C and SE3333C701.**
Health and Safety Issues	None
Comments	Information for this 214 is in Logbook SOS1.