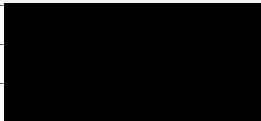


US EPA ARCHIVE DOCUMENT

1. Incident Name	2. Date Prepared	3. Time Prepared	UNIT LOG ICS 214	
Kalamazoo River/Enbridge Spill	11/18/2012	1630		
4. Unit Name/Designators	5. Unit Leader		6. Operational Period :	
Containment Branch Recovery Team 1	Name:	Dan Capone START/US EPA)	From:	11/18/2012 0730
	Position:	Operations Section Chief	To:	11/18/2012 1545
7. Personnel Roster Assigned				
Name	ICS Position	DUTY CELL		
Dan Capone	Operations Section Chief			
Rex Johnson	Containment Branch Director			
Sean Kane	Field Team Lead/CBR-4			
8. Activity Log				
Activity Area	MP 37.25 – MP 37.50 – MP 37.75 E 4.0 Boom Configurations (Boom D-1, E-1, and E-2)	LAT	LAT	
		Various	Various	
		(DD.MMMM)	(DD.MMMM)	
<u>OIL OBSERVED</u>	EXTENT OF OIL IMPACTED AREA			
	DENSITY OF OIL /SHEEN			
Total Collection Points				
Total Boom Deployed				
Activity	<u>Weston/START CBR 4 Team Activity:</u> Oversight documentation of subsurface x-tex curtain removal operations as it pertained to Enbridge field team # 4 (Jon Carveth/Aecom) within the Morrow Lake delta E 4.0 boom configuration conducting turbidity monitoring to establish and document upstream NTU measurements prior to removal operations for background NTU levels and monitoring approximately 300' downstream in the water flow path of each x-tex segment during subsurface containment removal operations at a minimum of 30 minute intervals. In addition to general oversight documentation of potential oil globules and oil sheen frequency and amount. Boom D-1 - (MP 37.25 & 37.50 RDB) Upstream – Depth to sediment approx 3.5' 0.5" = 3.96 NTU 2.0' = 2.29 NTU 3.0' = 1.90 NTU Boom D-1 - Downstream – Depth to sediment approx 5.5' 0.5" = 1.89 NTU 2.0' = 2.27 NTU 3.5' = 2.33 NTU 5.0' = 2.68 NTU			

Boom D-1 - Downstream – Depth to sediment approx 5.5’

0.5” = 2.15 NTU

2.0’ = 2.13 NTU

3.5’ = 2.35 NTU

5.0’ = 2.0 NTU

Boom E-1 - (MP 37.50) Upstream – Depth to sediment approx 4.0’

0.5” = 2.12 NTU

2.0’ = 2.58 NTU

3.5’ = 2.42 NTU

Boom E-1 –Downstream – Depth to sediment approx 5.5’

0.5” = 2.63 NTU

2.0’ = 2.98 NTU

3.5’ = 2.16 NTU

5.0’ = 2.53 NTU

Boom E-1 – Downstream – Depth to sediment approx 5.5’

0.5” = 2.13 NTU

2.0’ = 2.41 NTU

3.5’ = 2.21 NTU

5.0’ = 2.61 NTU

Boom E-1 – Downstream– Depth to sediment approx 6.0

0.5” = 2.51 NTU

2.0’ = 2.13 NTU

4.0’ = 2.48 NTU

5.0’ = 2.36 NTU

Boom E-1 – Downstream – Depth to sediment approx 6.0’

0.5” = 2.54 NTU

2.0’ = 2.74 NTU

4.0’ = 2.48 NTU

5.5’ = 2.68 NTU

Boom E-1 Downstream – Depth to sediment approx 6.0’

0.5” = 4.67 NTU

2.0’ = 4.22 NTU

4.0’ = 4.33 NTU

5.5’ = 4.37 NTU

Boom E-1 Downstream – Depth to sediment approx 6.0’

0.5” = 3.78 NTU

2.0’ = 5.41 NTU

4.0’ = 6.05 NTU

5.5’ = 6.66 NTU

	Boom E-2 (MP 37.50) Upstream– Depth to sediment approx 6.0’ 0.5” = 3.65 NTU 2.0’ = 3.14 NTU 4.0’ = 3.59 NTU 4.5’ = 3.29 NTU* (Pivoted to shallower depth during sampling intervals) Boom E-2 Downstream – Depth to sediment 4.5’ 0.5” = 2.39 NTU 2.0’ = 2.47 NTU 4.0’ = 2.84 NTU Boom E-2 Downstream – Depth to sediment 4.5’ 0.5” = 2.44 NTU 2.0’ = 2.85 NTU 4.0’ = 2.65 NTU Boom E-2 (MP 37.75) Downstream – Depth to sediment 2.0’ 0.5” = 2.22 NTU 1.5’ = 2.01 NTU Boom E-2 Downstream – Depth to sediment 2.5’ 0.5” = 2.78 NTU 2.0’ = 2.44 NTU
Health and Safety Issues	None
Comments	Detailed field notes with measurements are in CBR-4 Logbook.