



Sector Delaware Bay RRT II Presentation March 9-10, 2020



Presented by CAPT Jonathan Theel



Sector Delaware Bay Response Statistics



COTP Report to RRT II 10 JUN 2019 – 02 MAR 2020		
NRC Notifications	Oil Spill Reports	HAZMAT Release Reports
246	93	11
RRT Activations	OSLTF Projects	CERCLA Projects
0	0	0

* These numbers reflect CG Sector Delaware Bay data for the RRT II region only.





Sector Delaware Bay PREP Functional Exercise Summer 2019



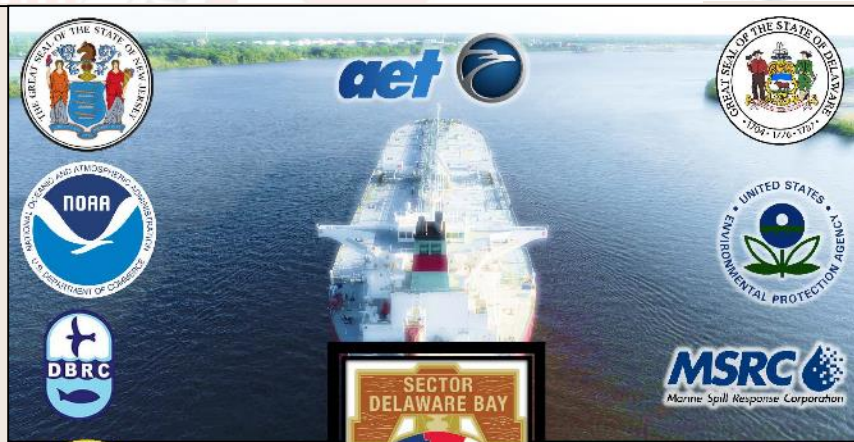
Exxon Mobil Technical Center, NJ

Schedule:

- 06 July 2018 – TTX
- 04 June 2019 – DE Env Sec Dispersant Brief
- 11 June 2019 – Equipment Deployment
- 22 July 2019 – Dispersants Workshop
Incident Specific RRT Consultation
- 23 July 2019 – ERMA / PIAT / C&E Training
- 24 July 2019 – PREP Exercise

Focus:

- Offshore Response (0-24 hrs)
- Dispersants Decision Making & Actions in Federal & State Waters
- Early actions to prepare for Onshore Response



Welcome to the

Preparedness for Response Exercise Program

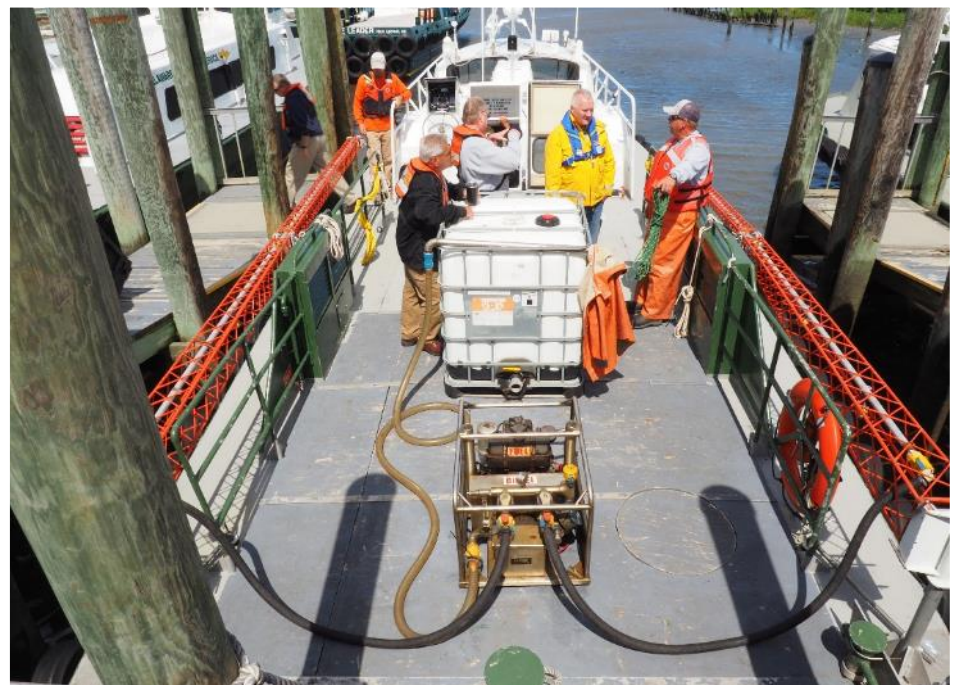
**USCG SECTOR DELAWARE BAY
OFFSHORE OIL SPILL RESPONSE
FE 2019**

July 24, 2019 · Delaware Bay Area Committee






Sector Delaware Bay PREP Functional Exercise Equipment Deployment 11 June 2019





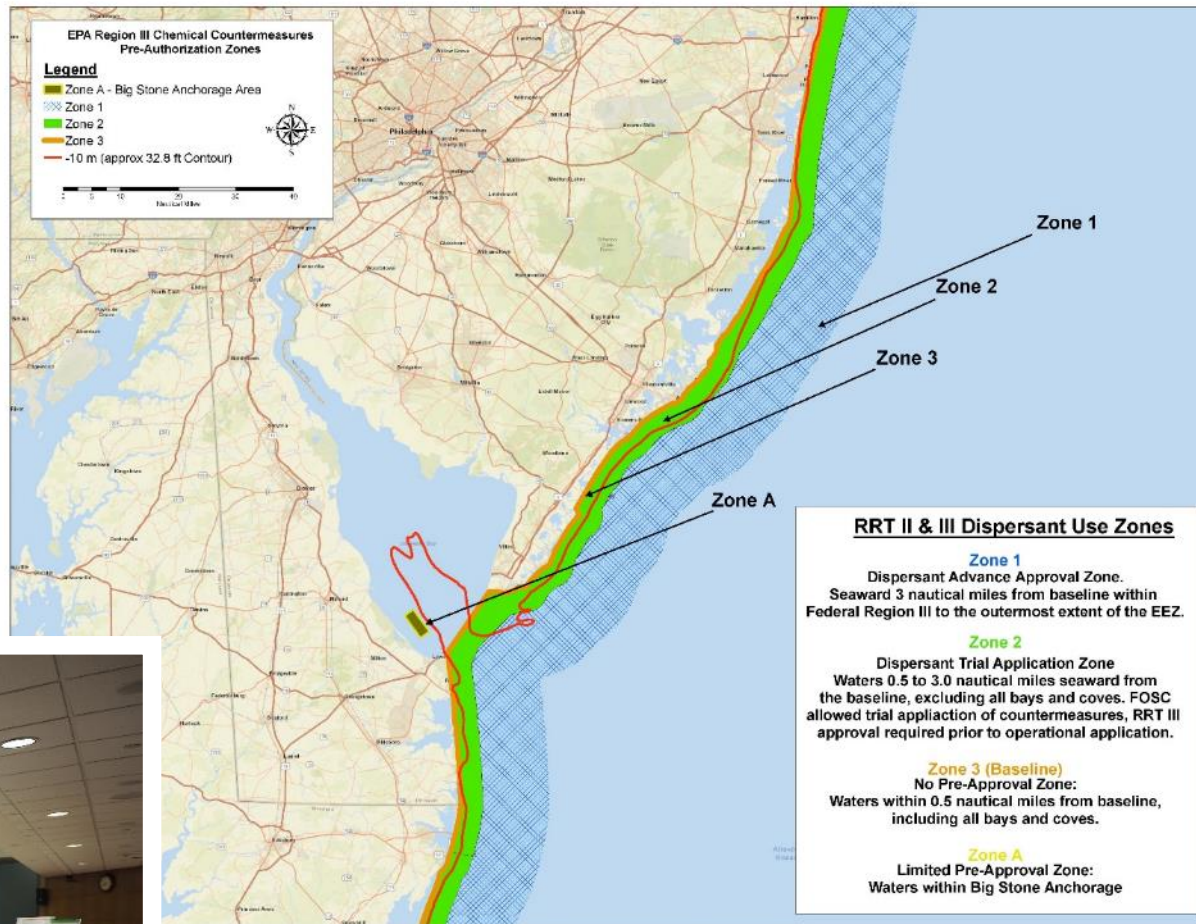
Sector Delaware Bay Dispersants Workshop and Training

22 – 23 July 2019



Training

- ERMA: 26 attendees from federal, state, local, & industry
- PIAT: 22 attendees from federal, state, local, NGO's & industry
- C&E: 16 attendees from federal & state agencies, NGO & industry

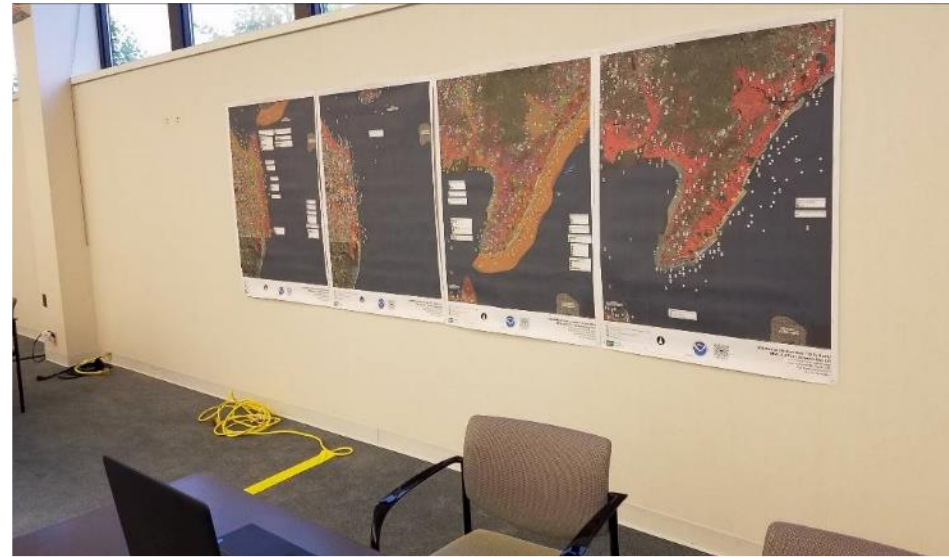


Dispersants Workshop – Incident Specific RRT

- 53 Players from 30+ Federal/State Agencies & Industry



Sector Delaware Bay PREP Functional Exercise 24 July 2019

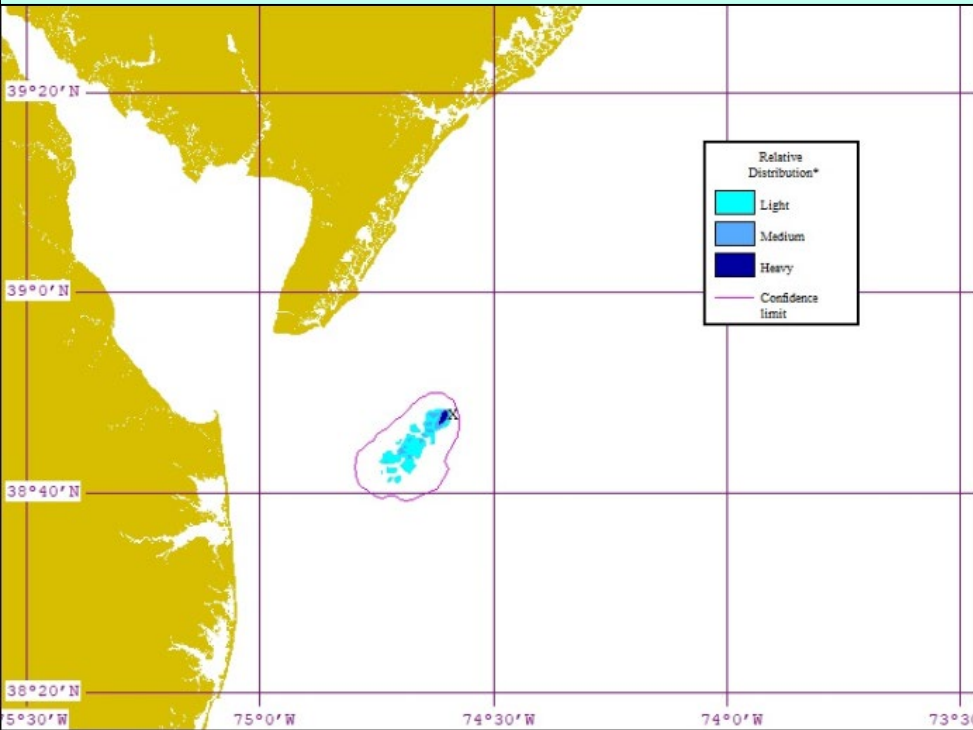




Sector Delaware Bay PREP Functional Exercise Trajectory Models



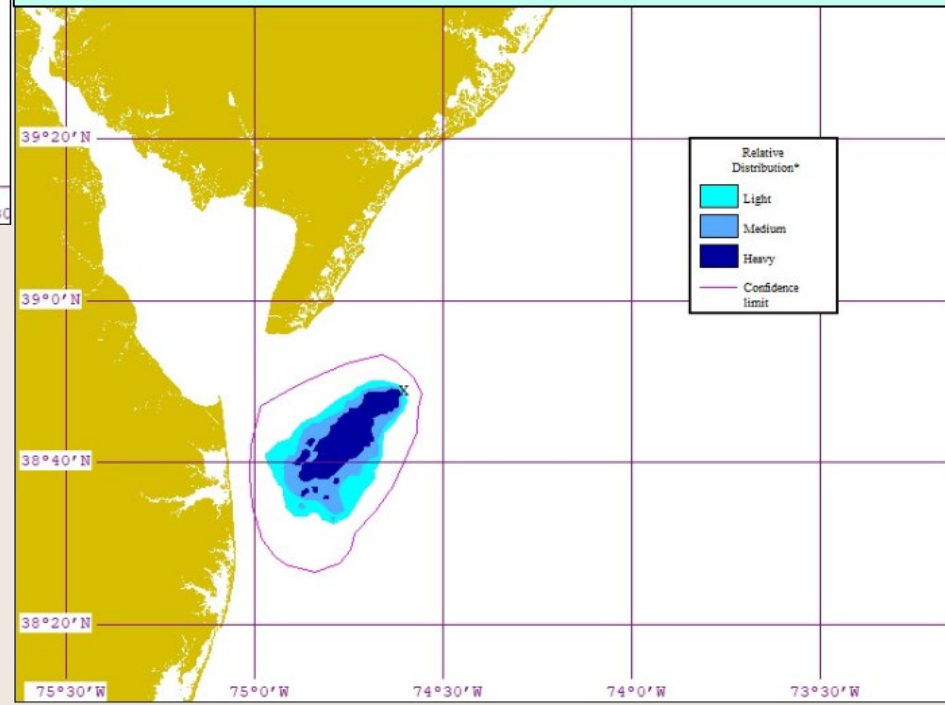
24 JUL 2019 - 1600 (12 hours since spill)



12 Hours Post Incident

- 16+ sq miles

25 JUL 2019 - 0600 (26 hours since spill)



26 Hours Post Incident

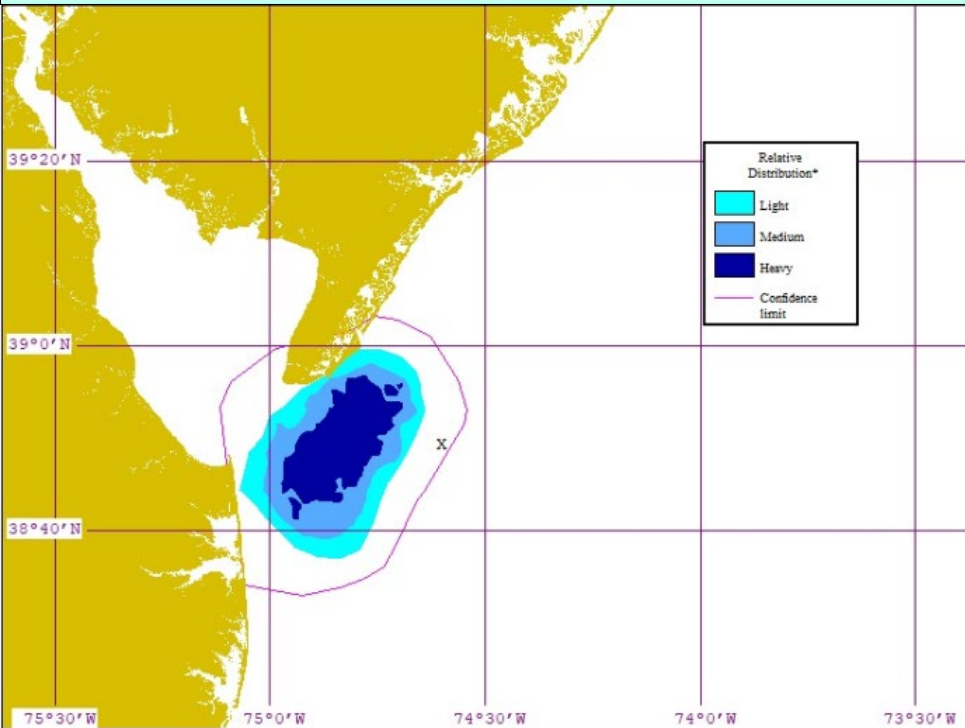
- 234+ sq miles



Sector Delaware Bay PREP Functional Exercise Trajectory Models



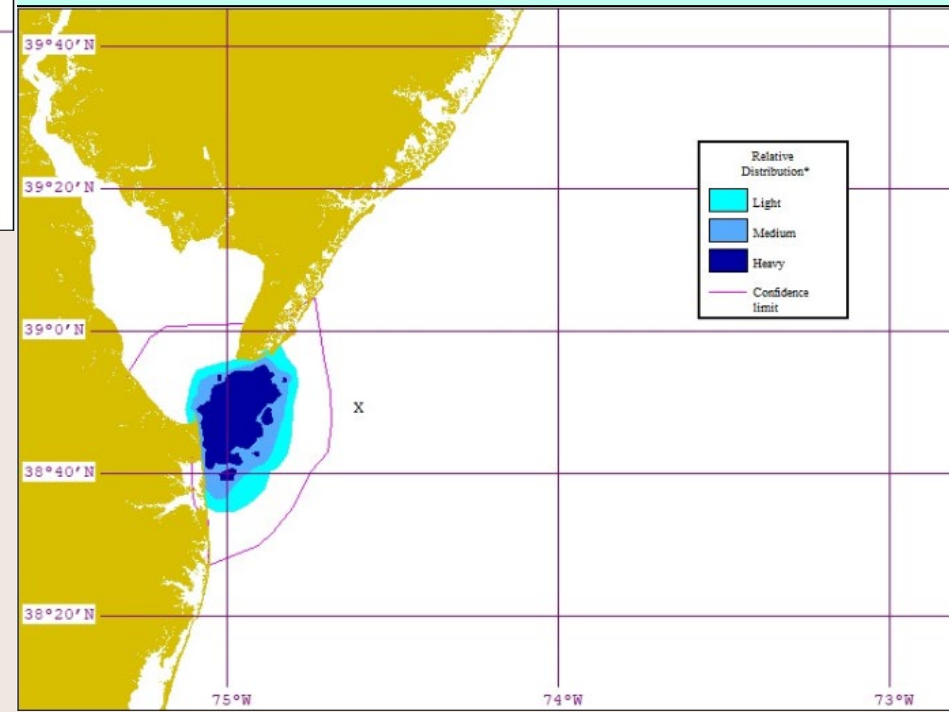
25 JUL 2019 – 1800 (38 hours since spill)



38 Hours Post Incident

- 385+ sq miles
- Landfall in south NJ and DE coast.

26 JUL 2019 – 0600 (50 hours since spill)



50 Hours Post Incident

- 335+ sq miles
- Significant shoreline impact to both NJ and DE.



Sector Delaware Bay Oil and Dispersants Impact Analysis

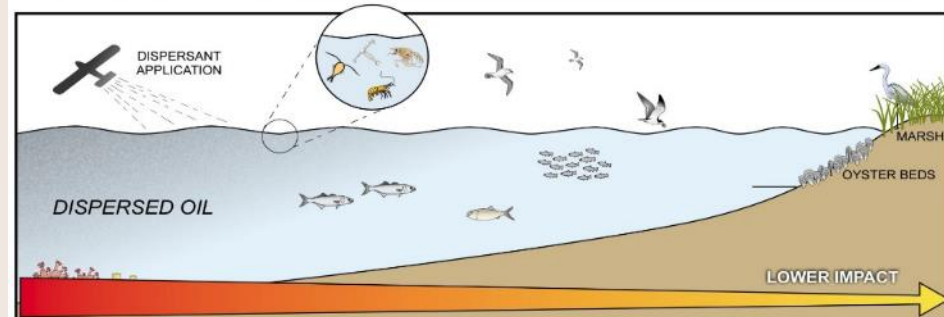
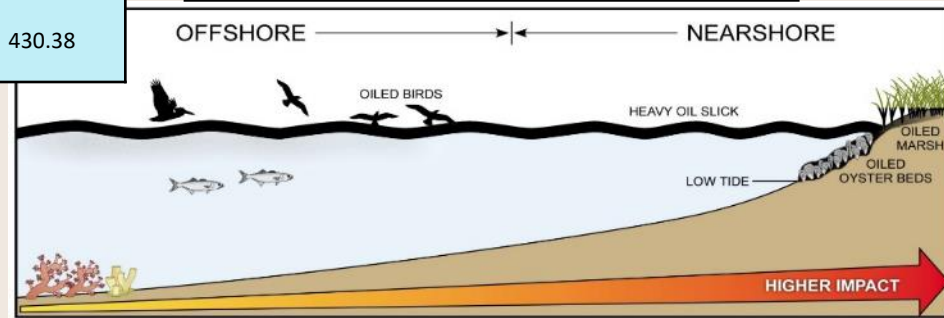


Day	Date / Time	Hours into Spill	Total Area (Miles ²)	Heavy Oiling (Miles ²)	Medium Oiling (Miles ²)	Light Oiling (Miles ²)
1	7/24 - 1600	12	16.793	0.69		16.103
2	7/25 - 0600	26	234.555	78.108	82.893	73.554
	7/25 - 1800	38	385.54	132.52	137.13	115.89
3	7/26 - 0600	50	335.742	142.49	104.65	88.602
	7/26 - 1800	62	328.79	112.95	104.85	110.96
4	7/27 - 0600	74	451.21	127.34	152.13	171.74
	7/27 - 1800	86	575.33	101.39	232.85	241.09
5	7/28 - 0600	98	792.88	204.82	286.19	301.87
	7/28 - 1800	110	909.52	233.07	314.25	362.2
6	7/29 - 1800	134	1,181.88	281.97	493.3	406.61
7	7/30 - 1800	158	1,258.77	198.27	630.12	430.38

Oil Impact Analysis

- Courtesy of Ben Anderson of DNREC
- Impact projection at 6 days is more than 1,200 sq miles

Impacts of Oil & Dispersants



Impacts of Oil & Dispersants

- Top image shows impact w/o use of dispersants
- Lower image shows impact w/ dispersant use



Sector Delaware Bay PREP Functional Exercise Major Lessons Learned



18 Major Lessons Learned: Five listed below

- Offshore - Vessel Decon Plans
- Add Pre-approved Press Releases
- Discovery of Native American Artifacts
- NRDA located in ICP
- Regional Response Team Concerns

SecDelBay ACP PREP FSE 2019 After Action Report 22 Jul 2019 – 26 Jul 2019



Date Released unknown



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Questions?

