

Member Agency Report-Outs for November 2019 RRT III Meeting

(As of 11/21/2019)

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LIST OF ACRONYMS

AC	Area Committee
ACP	Area Contingency Plan
AOR	Area of Responsibility
AST	Atlantic Strike Team
ATF	Bureau of Alcohol Tobacco, Firearms, and Explosives
AWS	Alert Warning System
BBL	barrels
BCI	Bulk Chemicals, Inc.
BOA	(USCG) Basic Ordering Agreement
CAA	Clean Water Act
CDR	commander
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
COOP	Continuity of Operations
COTP	Captain of the Port
CSB	Chemical Safety and Hazard Investigation Board
CWA	Clean Water Act
D.C.	District of Columbia
DOEE	Department of Environment and Energy
DE	Delaware
DEMA	Delaware Emergency Management Agency
DHS	Department of Homeland Security
DNREC	Delaware Department of Natural Resources and Environmental Control
DNR	Department of Natural Resources
DOC	Department of Commerce
DOI	Department of the Interior
DOL	Department of Labor
DOT	Department of Transportation
EE	Environmental Enforcement
EMA	Emergency Management Agency
EMFR	Electrician's Mate Fireman Recruit
EOC	Emergency Operations Center
ER	Emergency Response
ERMA	Environmental Response Management Application
ERT	Environmental Response Team
ESA	Endangered Species Act
ESF	Emergency Support Function
FBI	Federal Bureau of Investigation
FEMA	Federal Emergency Management Agency
FOSC	Federal On-Scene Coordinator
FRA	First Responder Awareness
FRO	First Responder Operations
FRP	Facility Response Plan
F/V	Fishing Vessel
FY	fiscal year
GIUE	Government Initiated Unannounced Exercises
GRP	Geographic Response Plans

GRS	Geographic Response Strategies
GSA	Government Services Administration
GIUE	Government Initiated Unannounced Exercise
HAZMAT	hazardous materials
HAZWOPER	Hazardous Waste Operations and Emergency Response
HF	hydrogen fluoride
HFO	Heavy Fuel Oil
HQ	headquarters
HR	Hampton Roads
HSEMA	DC Emergency Operations Center
HSER	Homeland Security and Emergency Response
IAP	Incident Action Plan
IBC	intermediate bulk container
ICP	Incident Command Post
ICS	Incident Command System
ICW	Intercoastal Waterway
IMD	Incident Management Division
IMT	Incident Management Team
JIC	Joint Information Center
KY	Kentucky
KYDEP	Kentucky Department of Environmental Protection
LEPC	Local Emergency Planning Committee
LLWS	Little League World Series
LSV	logistics support vessel
MARAD	Maritime Administration
MBTA	Migratory Bird Treaty Act
MCAS	Marine Corps Air Station
MD	Maryland
MDE	Maryland Department of the Environment
MER	Marine Environmental Response
MMPA	Marine Mammal Protection Act
MNRP	Maryland Natural Resources Police
MOU	Memorandum of Agreement
MSD	Marine Safety Detachment
MSU	Marine Safety Unit
MTSA	Maritime Transportation Security Act
MTSL	Monitoring and Technical Support Laboratory
M/T	merchant tanker
M/V	merchant vessel
NC	North Carolina
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NCR	National Capitol Region
NERR	National Estuarine Research Reserves
NGO	non-government organization
NOAA	National Oceanic and Atmospheric Administration
NOV	notice of violation
NPFC	National Pollution Funds Center
NPS	National Park Service

NRC	National Response Center
OEM	Office of Emergency Management
OH	Ohio
ORSANCO	Ohio River Valley Sanitation Commission
OSC	On-Scene Coordinator
OSHA	Occupational Safety and Health Administration
OSLTF	Oil Spill Liability Trust Fund
OSRO	Oil Spill Response Organization
PADEP	Pennsylvania Department of Environmental Protection
PCB	polychlorinated biphenyls
PEMA	Pennsylvania Emergency Management Agency
PES	Philadelphia Energy Solutions
PIAT	Public Information Assist Team
PIH	poisonous inhalation hazardous
PIO	Public Information Officer
PREP	Preparedness for Response Exercise Program
PRP	Potentially Responsible Party
QI	qualified individual
REO	Regional Environmental Officer
ROC	Regional Operations Center
RORO	roll on – roll off
ROV	Remotely Operated Vehicle
RP	Responsible Party
RRCC	Regional Response Coordination Center
RRT	Regional Response Team
SCAT	Shoreline Clean-up Assessment Technique
SDB	Sector Delaware Bay
SERC	Emergency Response Commission
SOS	Science of Spills
SSC	Scientific Support Coordinator
STA	Station
START	Superfund Technical Assessment and Response Team
SUIT	Special Use Information Technology
TBD	to be determined
TIH	toxic inhalation hazardous
TRPRC	Three Rivers Pollution Response Council
TTX	Tabletop Exercise
UC	Unified Command
USMC	United States Marine Corps
USA	United States of America
USACE	United States Army Corps of Engineers
USCG	United States Coast Guard
USEPA	U.S. Environmental protection Agency
USFWS	U.S. Fish and Wildlife Service
VA	Virginia
VDEM	Virginia Department of Emergency Management
VDEQ	Virginia Department of Environmental Quality
VDH	Virginia Department of Health

VRP	Vessel Response Plan
WARN	Water/Wastewater Agency Response Network
WV	West Virginia
WVJIAT	WV Joint Interagency Task Force
WVDEP	West Virginia Department of Environmental Protection

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A. Activations/Notifications (from National Response Center [NRC] Reports):

	April 2019 – September 2019				
	Oil	Hazardous Substances	Radiological	Other	Total
Pennsylvania	203	43	0	101	347
Virginia	146	33	0	54	233
West Virginia	55	11	0	22	88
Maryland	120	13	1	22	156
Delaware	23	4	0	1	28
District of Columbia	10	1	0	6	17

NRC Reports led to six Emergency Responses and four Removal Actions.

B. Notable Cases:

- Hospital Mercury (Hg) Site, Blacksburg, Montgomery County, Virginia:** On 16 May 2019, Virginia Department of Emergency Management (VDEM) requested USEPA assistance to assess a mercury spill at the Montgomery Regional Hospital in Blacksburg, Virginia. An old blood pressure device containing mercury was broken in the linen storage room, releasing mercury. The Potentially Responsible Party (PRP) cleanup contractor conducted the removal of elemental mercury in the spill area and performed additional cleanup activities in spaces connected to the linen room via the ventilation system. An 8-hour air monitoring test was conducted in the spill location after removal of elemental mercury, which showed mercury concentrations below the screening levels determined by Virginia Department of Health (VDH). Subsequent screenings of adjacent spaces and spaces connected to the same ventilation system were conducted with the Lumex and confirmed that the affected areas of the hospital could be reoccupied as determined by VDH. (Southwest VA/WV Sub-Area XV – Federal On-Scene Coordinator [FOSC] Ashley Nilsen)
- Bulk Chemicals Inc. Emergency Response, Perry Township, Berks County, Pennsylvania:** On 9 June 2019, Pennsylvania Department of Environmental Protection (PADEP) and local agencies responded to a release of 2,200 gallons of nitric acid at the Bulk Chemicals, Inc. (BCI) facility caused by a failed gasket on a bulk storage tank. The majority of the nitric acid was contained within the facility; however, an unknown quantity of the material was released onto the ground outside the facility property. The release was secured and BCI’s contractor initiated cleanup actions. The following morning a fire started in the same building damaging a holding tank containing treated waste water. The local fire company responded, extinguishing the fire and allowing cleanup actions to continue. Given the volume of the chemicals remaining in the building and the conditions at the facility following the nitric release and fire, PADEP requested USEPA’s assistance. USEPA and PADEP coordinated with local agencies and BCI to assess conditions at the facility and oversaw stabilization efforts being conducted by BCI and its contractors. Local officials temporarily evacuated residents in the immediate area during the initial nitric acid release and again during the fire to ensure their health and safety. Residents were allowed to return to their homes; however, USEPA maintained continuous air quality monitoring to ensure the safety of the nearby community and on-site workers. With transfer of materials and stabilization of containers completed, final remediation of the property is being overseen by PADEP. (Southcentral PA Sub-Area V – FOSSCs Kelley Chase, Charlie Fitzsimmons, Chris Guzzetti)
- PES Fire and Explosion, Philadelphia, Philadelphia County, Pennsylvania:** An explosion and fire occurred at the Philadelphia Energy Solutions (PES) refinery complex early in the morning of 21 June 2019. EPA offered to conduct air monitoring support to the City Fire Department and Office of Emergency Management. Available information indicated that a propane/butane mixture was on fire. Upon arrival, USEPA convened with the Unified Command and began air

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monitoring downwind along the facility fence line using MultiRAES. Results showed no health significance. EPA eventually learned that the mixture was burning adjacent to the refinery's hydrofluoric acid alkylation unit. Monitoring for hydrogen fluoride (HF) early on by PES at the scene of the fire and in the adjacent neighborhood did not reveal elevated air values. Subsequent air monitoring, including air monitoring for HF, showed results to be negative. The FOSC, with EPA's Environmental Response Team (ERT), provided additional monitoring with stationary HF monitors around the perimeter of the PES refinery as part of the neutralization of approximately 35,000 gallons of hydrofluoric acid. (Southeast PA/DE Sub-Area III – FOSC Jack Kelly)

- **Residential Mercury Spill, Wyomissing, Berks County, Pennsylvania:** In July 2019, USEPA responded to a mercury release that occurred in a residential home from the removal of a 1900-1910 vintage Honeywell Heat Generator. The Honeywell unit was removed 4 years prior, during the renovation of a third-floor child's bedroom. Honeywell units typically contained 25 to 30 pounds of mercury. The homeowner recently observed, on two separate occasions, beads of mercury on the floor of the second-floor bedroom located directly below the child's bedroom that seem to have seeped through a ceiling crack. A local industrial hygiene firm conducted air monitoring, removed visible mercury, and performed minor vapor suppression measures, but vapor readings remained elevated. The family evacuated the residence and reached out for assistance. The FOSC conducted air monitoring during two separate events and found vapor readings well above acceptable levels. Clothing and footwear was also found to be contaminated. The FOSC has determined that hot water throughout the radiator system likely contains mercury. An emergency removal action was initiated on 31 July 2019. (Southcentral Sub-Area V – FOSCs Jack Kelly and Eugene Dennis)

C. Training, Outreach & Readiness Highlights:

- **Water and Waste Water Utility Flushing of Contaminated Contact Water National Work Group:** In May 2019, FOSC Charlie Fitzsimmons participated in a national workgroup meeting at headquarters (HQ) to begin discussions regarding development of national guidance for utilities and FOSCs to utilize direct discharge of contaminated contact water back to surface waters during a contamination event. The FOSC informed the workgroup that Region III Regional Response Team (RRT3) has an approved Decanting of Contaminated Water Contact Guidance Document and that FOSCs already have the authority to allow direct discharge of contaminated water, under the Clean Water Act (CWA) exclusion found at 40 CFR 122.3(d). Furthermore, as part of the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), as long as there is an FOSC response to a contamination event at a utility, the flushing can occur. The workgroup is being tasked to develop guidance to support the decision to proceed. (Washington DC Extended Sub-Area II – FOSC Charlie Fitzsimmons)
- **Northern Virginia Potomac River Source Water Emergency Response Planning Meeting:** In June 2019, FOSC Fitzsimmons met with Virginia Department of Environmental Quality (VDEQ), VDEM, VDH, Loudon County Emergency Management Agency (EMA), Fairfax County EMA, Fairfax County Water, and Loudon County Water to discuss the development of an Emergency Response Plan that will govern Northern Virginia's response to a source water contamination event within the Potomac River watershed. All agreed that the document planning and overall preparation should begin. VDEM has agreed to be lead planner and coordinator in this effort. Numerous recent spill events that threatened water intakes on the Virginia side of the Potomac River have created this need. Lack of coordination between utilities, county EMAs, and the commonwealth Emergency Operations Center (EOC) has also been well documented. Coordination with neighboring District of Columbia (D.C.) and Maryland must eventually occur. (Washington D.C. Extended Sub-Area II – FOSC Charlie Fitzsimmons)
- **BioWatch Sampling Exercise at Quantico Marine Corps Base, Prince William County, Virginia:** In July 2019, USEPA conducted a BioWatch Field Exercise at the Quantico Marine Corps Base in Virginia. BioWatch is a Department of Homeland Security (DHS)-developed

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system designed to alert major metropolitan areas across the country if a biological agent is detected. Filter samples from air monitoring devices placed in selected highly populated areas, are collected daily from the monitors and sent to local laboratories for agent analysis. If an agent is detected through laboratory analysis, USEPA Region III's role would be to conduct environmental sampling where the detections occurred to verify the release and to identify the extent of contamination. The exercise tested USEPA and its Superfund Technical Assessment and Response Team (START) contractor's sampling capabilities in addressing a mock biological agent release within the Baltimore/Washington/Richmond Corridor. (Washington DC Extended Sub-Area II – FOSC Don McLaughlin)

- **24th World Jamboree in Summit Bechtel Reserve, Fayette County, West Virginia:** Region III FOSCs served as the USEPA Liaisons on the West Virginia Joint Interagency Task Force (WVJIAT) for the World Jamboree. The WVJIAT is comprised of personnel from local, State, and federal agencies, and private (telecommunications) companies. The WVJIATF provided support to the West Virginia Joint Task Force to ensure the safety of all personnel, scouts, and visitors during this world event. The Jamboree ran from 21 July through 2 August 2019. More than 42,000 participants from around the world, representing 150 countries, attended the Jamboree. (Southwest VA/WV Sub-Area XV – FOSCs Ruth Scharr and Jessica Duffy)
- **Southeast PA/DE Sub-Area Booming Strategies, Philadelphia County, Pennsylvania:** During the week of 15 July 2019, FOSCs met with representatives from Aqua Pennsylvania and American Water to discuss booming strategies for their respective drinking water intakes. The FOSCs visited the Aqua Pennsylvania Plant in Neshaminy and the American Water Plants in Yardley and Royersford. The FOSCs have been working with water authorities with intakes in the Schuylkill and/or Delaware Rivers to come up with booming strategies for potential oil spills. Once the strategies are ready (e.g., booming location(s) selected, list of materials needed) the idea is to have an exercise at each of the locations to verify the feasibility of each of the plans. (Southeast PA/DE Sub-Area III – FOSCs Eduardo Rovira and Jack Kelly)
- **Little League World Series Deployment, Williamsport, Lycoming County, Pennsylvania:** In August 2019, USEPA provided assistance to Lycoming County Department of Public Safety, Pennsylvania EMA (PEMA) and to the City of Williamsport during the 2019 Little League World Series (LLWS). The LLWS is a 16-team tournament, comprised of eight teams from the United States of America (USA) and eight international teams. USEPA staffed the EOC and provided operational assistance along with various other agencies, including the PEMA, National Weather Service, Pennsylvania State Police, and the local Federal Bureau of Investigation (FBI) office. (Northcentral PA Sub-Area VI – FOSC Ann DiDonato)
- **Chemical Safety & Security Workshop, Slippery Rock University, Butler County, Pennsylvania:** In September 2019, the Regional Chemical Safety & Security Workgroup held a Chemical Safety and Security Workshop at Slippery Rock University. USEPA is a tri-chair agency of the Workgroup, which includes the Occupational Safety and Health Administration (OSHA), DHS, FBI, Bureau of Alcohol Tobacco, Firearms, and Explosives (ATF), United States Coast Guard (USCG), and Department of Transportation (DOT). The day-long workshop attracted approximately 250 participants – mostly local emergency managers and chemical industry representatives. The workshop included panels of federal, State, local, and private experts and brought together all the major federal and State regulatory agencies in one forum. Panel topics covered transportation safety, cyber-security, chemical facility safety, chemical facility security, intelligence analyses, and more. Federal and State regulators were also available for one-on-one questions and discussions between sessions. (Bill Steuteville, X-3264)
- **First Responder Hazardous Materials Training (Multiple Locations):** USEPA provided Hazardous Materials Technician Training to firefighters and local responders within multiple counties in the region. Each training is tailored to meet the locals' needs, with regards to scheduling and pertinent topics, including full-scale exercises, hands-on practical skills,

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equipment refreshers, defensive skills for response, and practical exercises such as building dams, placing booms, and performing decontamination. Specific training was given in the following locations:

- **Pocahontas County, West Virginia – May 2019**
HazMat Operations Training
(Southwest VA/WV Sub-Area XV – FOSC Chris Wagner)
- **City of Franklin, Virginia – May 2019**
Tidewater Hazmat Training/Portsmouth Fire Department
(Southwest VA/WV Sub-Area XV – FOSC Chris Wagner)
- **Fayette County Pennsylvania – June 2019**
Training to support the County’s Hazmat Recertification by PEMA
(Southwest PA/Wheeling WV Sub-Area VII – FOSC Chris Wagner)
- **Cambria County Pennsylvania – July 2019**
Training to support the County’s Hazmat Recertification by PEMA
(Southwest PA/Wheeling WV Sub-Area VII – FOSCs Chris Wagner and Debbie Lindsey)
- **Berkeley County, West Virginia – August 2019**
HazMat Technician Training
(Shenandoah Valley Sub-Area X – FOSCs Chris Wagner and Don McLaughlin)
- **Luzerne County, Pennsylvania Technician Training – September and October 2019**
(Northeast PA Subarea IV – FOSCs Chris Wagner, Dominic Ventura and Joanna McCauley)

D. Exercises:

- **WV Water Security Tabletop Exercise (TTX), Jefferson County, West Virginia:** On 9 May 2019, USEPA's Water Security Division conducted a TTX in Jefferson County, West Virginia, designed to improve the capabilities of West Virginia's water security partners to respond to water emergencies. Exercise objectives included clarifying roles and responsibilities of all response partners during a water contamination emergency; reviewing the role of water operators during an incident; discussing effective methods for timely, accurate, and coordinated information sharing among response partners and the public; discussion of the WV Water/Wastewater Agency Response Network (WVWARN); and discussion of lab integration into a water emergency response. The exercise was open to West Virginia drinking water utility managers and water sector associations. Federal, State and local agencies also participated. (Shenandoah Valley Sub-Area X – FOSC Don McLaughlin)
- **“Shake and Bake” Hazardous Materials (HAZMAT) TTX, Fluvanna County, Virginia:** On 23 May 2019, USEPA conducted a TTX in Fluvanna County, Virginia. The scenario was a large seismic event causing destruction, disrupting neighborhoods and businesses, and causing HAZMAT releases. The TTX Core Capabilities focused on environmental HAZMAT response; emergency management operations; health and safety; operational communications and coordination; and public health and emergency services interaction. The TTX is a precursor for the upcoming Functional and Full-Scale Exercise. (Shenandoah Valley Sub-Area X – FOSC Don McLaughlin)
- **TRANSCAER® Exercise, Meyersdale, Somerset County, Pennsylvania:** In July 2019, USEPA participated in a HAZMAT by rail incident exercise in Meyersdale, Pennsylvania. The simulated incident took place at the Meyersdale volunteer fire department. Representatives from across the county, including first responders and representatives from public works departments, hospitals, and industry, and elected officials, were in attendance. The exercise focused on how the response would unfold, and discussions were held on what resource and training needs exist to improve a response of this magnitude. The FOSC discussed USEPA's role in a response of this

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type, and what resources USEPA would be able to provide. (Southwest PA/Wheeling WV Sub-Area VII – FOSC Kevin Clark)

- **Smoking Mountains TTX, the Shenandoah Valley Sub-Area:** On 6 August 2019, USEPA conducted its eighth annual exercise series with nine Shenandoah Valley Sub-Area Counties (Berkeley, Grant, Hampshire, Hardy, Jefferson, Mineral, Morgan and Pendleton in West Virginia, and Garrett County in Maryland). The exercise series began with “Smoking Mountains” TTX and took place in Charles Town, West Virginia. The exercise format used the Incident Command System (ICS), involving HAZMAT incidents in each of the participating counties. The TTX objectives/core capabilities were as follows: activate ICS throughout each county; define ICS operational periods and objectives; develop Incident Action Plans for each county; establish environmental response/health and safety; establish law enforcement on-scene security and protection; establish operational communications and coordination; and communicate public information and warning. The TTX was driven by an “arson-related” theme, causing HAZMAT situations and chaos across the counties. A Functional Exercise will follow the TTX at a later date. (Shenandoah Valley Sub-Area X – FOSC Don McLaughlin)
- **Roanoke Multi-Agency Full Scale Exercise, Roanoke, Virginia:** On 6-7 September 2019, USEPA conducted a multi-agency full scale exercise. The scenario involved a plane crash near a chemical distribution facility that is in the flight path of a regional airport. The crash caused a fire and a release of chemicals at the chemical facility. The scenario exercised responder knowledge and skills for notifications, response capabilities, and response management. The responders operated within an ICS structure and worked through response tactics, securing the scene and decisions to evacuate, and ended with a mock press conference. Numerous stakeholders participated on-site, including City of Roanoke, VDEM, VDEQ, Chemsolv, Inc., VDH, Near Southwest Preparedness Alliance, Red Cross, Carilion Hospital networks, and Botetourt County. Additional agencies and stakeholders participated off-site. (Southcentral Virginia Sub-Area XIII – FOSC Myles Bartos)
- **Kinder Morgan TTX, Woodbridge, Virginia** – On 7 November 2019, a USEPA FOSC and Planning Specialist participated in day-long exercise involving a worse case discharge at a large volume jet fuel terminal in Woodbridge, Virginia. The TTX was well represented by local, Commonwealth, and federal responders. The exercise utilized all aspects of ICS, including the development of an Incident Action Plan. USEPA left the exercise with greater knowledge of site and local response personnel and response tactics. (Washington D.C. Extended Sub-Area II – FOSC Charlie Fitzsimmons)

E. Other Highlights:

The following are removal actions that were initiated or completed during the reporting period:

- **Time Critical Removal Actions – Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Activations:**
 - **Shiloh Church Road Removal Site in Nathalie, Halifax County, Virginia**
Response actions to remove volatile organic contaminants, polychlorinated biphenyls (PCBs), lead, and radioactive debris. Water treatment systems will also be installed on several residential wells.
FOSC – Christine Wagner
 - **Hamburg Kaercher Creek Site in Hamburg, Berks County, Pennsylvania**
Removal of lead contaminated soils
FOSC – Todd Richardson

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- **Leonard's Plating Site, St. Albans, Kanawha County, West Virginia**
Response actions to address open vats, drums, and containers of electroplating wastes that contain flammable materials, arsenic, cadmium, lead, nickel and other hazardous substances.
FOSC – Dennis Matlock
- **Shaffer Equipment Removal Action in Minden, Fayette County, West Virginia**
Response actions to support upcoming remedial investigations and the removal of PCB contamination adjacent to a previously capped area.
FOSC – Jessica Duffy and Chris Guzzetti
- **Time Critical Removal Actions – CERCLA Completions:**
 - **Magnate LLC Site in Edinburg, Shenandoah County, Virginia**
Response actions to remove asbestos and PCB contamination.
FOSC – Myles Bartos
 - **Mansfield Avenue Residential Site in Morgantown, Monongalia County, West Virginia**
Removal of a variety of explosive compounds, flammable liquids, toxics, hazardous materials, and controlled substances at an unoccupied residential property.
FOSC – Raj Sharma
 - **Quad Avenue Chemicals and Bio-fuels Site in Baltimore, Maryland**
On 4 November 2019, access to complete response actions at the Quad Avenue Chemicals Site was provided by the estate of the late property owner who died in August 2019. USEPA had been pursuing further access through the courts since completing a limited response under an administrative warrant to stabilize threats posed by the large quantity of hazardous substances in drums, tanks, and other containers at the abandoned property. USEPA has maintained security to deter trespassing and limit access to the hazardous substances at the Site. The FOOSC's assessment of the Site during the week of 28 October 2019 found it essentially as USEPA left it in November 2018, while some of the drums and other containers have further degraded and there are some minor spills from leaking containers stored in the buildings, the containers staged outside appear to be intact. The FOOSC is working with USEPA's contractors to schedule the remaining work, which mainly includes preparing the containers and materials for off-site disposal, and arranging for and conducting off-site disposal. (Upper Chesapeake Sub-Area XI – FOOSC Kelley Chase)

F. Future Events / Meetings:

None to Report.

U.S. Coast Guard (USCG) Sector Delaware Bay

A. Activations/Notifications (from NRC Reports):

	1 May 2019 – 31 October 2019
Pollution Reports*	89 (65 PA, 24 DE)
Federalized Cases	1 (MSD Lewes)
Criminal Cases	0
*Numbers reported include only those incidents occurring within Agency Jurisdiction or requiring an Agency response (Sector Delaware Bay [SDB] reports for PA/DE only)	

B. Notable Cases (1 May 2019 – 31 October 2019):

- 21 June 2019:** Philadelphia Energy Solutions experienced an explosion and subsequent chemical fire (NRC #1249601). This is a Maritime Transportation Security Act (MTSA) facility and the largest oil refinery on the east coast, processing 300,000 barrels (BBL) of crude oil per day. Reported chemicals involved included propane, hydrofluoric acid, and hydrogen sulfide. No vessels were at the facility and the local waterway was not impacted. United States Coast Guard (USCG) Station Philadelphia enforced a safety zone on the Schuylkill River and an Incident Command Post (ICP) was established nearby (26th Street and Penrose Avenue). SDB requested plume modeling support from National Oceanic and Atmospheric Administration (NOAA) and pollution response support from the USCG Atlantic Strike Team (AST). USCG members from SDB arrived at the facility's command post and confirmed there were no impacts/discharges to the navigable waterway. USEPA took the lead on federal oversight for the duration of the response/remediation, working with the Industrial Firefighting Group and PADEP.
- 27 August 2019:** Merchant Vessel (M/V) MAERSK INVERNESS discharged 20 gallons of diesel into the Delaware River while engaged in bunkering at Greenwich Marine Terminal. The spill was attributed to a faulty gauge/false reading which caused tankermen to overfill the tank. Approximately 1 metric ton of diesel was discharged on deck. The vessel activated its Vessel Response Plan (VRP) and contacted their Qualified Individual, Gallagher Marine. The crew initiated their Shipboard Oil Pollution Emergency Plan and utilized equipment on board to contain and clean the affected areas. An Oil Spill Response Organization (OSRO) was able to clean up the vessel by the following morning. The USCG issued a letter of warning. No other agencies were involved.
- 11 September 2019:** Fishing Vessel (F/V) MUGGY LEE JR. was taking on water and sheening following an allision with the jetty at the entrance of Delaware Bay. The two persons on board were rescued by the Bay and River Delaware Pilots but the partially submerged vessel presented a hazard to navigation and a threat to the environment. SDB assumed FOSC and opened the Oil Spill Liability Trust Fund (OSLTF) with a \$50K ceiling and contracted Moran Environmental Group for cleanup. The owner reacquired the vessel and towed it to Anglers Marina for haul-out. The OSRO arrived on-scene but the 50 gallons of diesel that were discharged had dissipated and was not recoverable. The USCG issued a \$500 notice of violation (NOV) to the F/V. Delaware Department of Natural Resources and Environmental Control (DNREC) also responded.
- 21 September 2019:** Merchant Tanker (M/T) FRONT LOKI discharged 1 gallon of crude oil into the Delaware River while engaged in cargo operations at Monroe Energy Terminal. The spill was attributed to an equipment failure. Approximately 15 BBL (630 gallons) of oil were discharged on deck. The vessel and the facility activated respective response plans and the facility's vacuum trucks were able to remove the discharged crude oil. The USCG investigated the spill and monitored cleanup. A letter of warning was issued to the vessel. No other agencies were involved.

C. Training & Readiness Highlights:

- 21 May 2019:** Radiological Transportation TTX to discuss the communication and notification process between federal, State, and local entities during a transportation security incident and identify roles and responsibilities. This event was hosted by the FBI.

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- **22 July 2019:** Dispersant Decision Making Workshop as part of Preparedness for Response Exercise Program (PREP) exercise. This workshop served as the incident specific RRT for the PREP. Stakeholders reviewed and simulated the RRT3 dispersant decision making Memorandum of Agreement (MOU).
- **23 July 2019:** Environmental Response Management Application (ERMA) and Public Information Assist Team (PIAT) training took place as part of the PREP exercise.
- **13 November 2019:** Delaware Statewide Training and Exercise Planning Workshop.

D. Exercises:

- **29 April through 3 May 2019:** Annual Sector HURREX
- **July 24, 2019:** PREP exercise with 163 players from 42 federal, State, and local agencies; as well as Tribes, non-government organizations (NGOs), and industry. Focus of the exercise was offshore response to an oil spill, dispersant decision making, and early actions to prepare for onshore response.
- **15 August 2019:** Sector Continuity of Operations (COOP) seminar to test and train implementation of the COOP and processes for accessing vital records and continuation of mission essential functions.
- **19 August 2019:** MRO TTX with participation from State and local representatives in the area of responsibility (AOR).

E. Other Highlights:

- The Sector's Area Contingency Plan (ACP) went before the National Review Panel in July 2019. Preparations for the review were made by sector personnel and D5. Awaiting official remarks from review panel.
- Challenges and Issues – The Sector's Special Use Information Technology (SUIT) request to procure an off-network scan to print poster was denied again. This technology is currently being utilized at the school house and would greatly enhance ICP scenarios.
- Best Practices – Use of USCG AUX to supplement active duty in ICP operations continues to enhance training, exercises, and real-world events.
- Sector Delaware Bay has welcomed CAPT Jonathan Theel as the new Deputy Sector Commander and LCDR Kristina Quinn as the new Emergency Management Force Readiness Chief.
- Federal Executive Board Gold Medal Award was presented to the SDB Electrician's Mate Fireman Recruit (EMFR) Department in recognition of Outstanding Public Service Excellence in Government Awards Program.

F. Future Events / Meetings:

- Area Committee Meeting – 15 January 2020
- Area Committee Meeting – 22 April 2020
- Shipboard Marine Firefighting Seminar – 13 March 2020
- Responding to Discarded Military Munitions TTX – 22 July 2020
- Mass Rescue TTX – 19 August 2020

U.S. Coast Guard (USCG) Sector Maryland – National Capitol Region (NCR)

A. Pollution Response Operations (22 April – 1 Nov 2019):

	22 April – 1 Nov 2019	1 Jan 2019 - Present
Pollution Reports*	126	194
Federalized Cases	1	0
Criminal Cases	0	0
*Numbers reported include only those incidents occurring within Agency Jurisdiction or requiring an Agency response.		

B. Notable Cases (since 15 November 2018):

- 7 June 2019: Baltimore Warehouse Fire (FPN 19012):** Baltimore Inner Harbor – Baltimore, Maryland. The USCG received a NRC report indicating a discharge of approximately 200 gallons of diesel fuel that originated from a warehouse fire located at 914 E. Monument Street, discharging into a storm drain. Maryland Department of the Environment (MDE) personnel responded to an outfall near Pier 6, and reported a large film of what appeared to be diesel on the Patapsco River, into the prepositioned booms alongside “Mr. Trashwheel”. The USCG and MDE responded and discovered diesel fuel emanating from outfall near incident location. USCG hired an OSRO to mitigate the spread and removal of diesel fuel and used absorbent sweep and boom, as well as a skimmer and vacuum truck to recover product. An estimated 784 gallons of oily water mixture and 15 drums of contaminated sorbent material were recovered. Origin source of discharge into storm drain system is undetermined. Containment boom and sorbents removed after verifying no recoverable product remained in the waterway.
- 19 June 2019: Washington D.C. Truck Spill, District of Columbia:** The USCG received an NRC report indicating a discharge of approximately 60 gallons of diesel fuel that originated from a punctured saddle tank on a truck, discharging into the storm drain adjacent to the roadway. The Responsible Party hired ACE Environmental to conduct clean-up. The District of Columbia Department of Environment and Energy (DC DOEE) investigated the storm water line and diesel contained within the catchment vault of the storm drain. Response personnel observed no waterway impact at storm drain outfall. OSRO utilized a vacuum truck to remove fuel from the storm drain vault.
- 19 June 2019: Vessel Discharge (MD 0483 AN), Grasonville, Kent Island, Maryland:** The USCG received an NRC report indicating a discharge of less than 1 gallon of diesel fuel that originated from a derelict vessel sunk at the pier in Kent Island, Maryland. The Local Fire Department provided the owner with sorbent material around the vessel and verified the vessel’s fuel tanks were empty, and the sheen must be coming from residual lubricating oil in the inboard engine. No further sheening was observed. Vessel was blocking access to a slip owned by a separate individual, and the owner claimed they made continual efforts to raise it and remove it; however, no action was observed. On 29 August, Maryland Department of Natural Resources (DNR) exercised their authority under the Abandoned Vessel Program to remove the derelict vessel and cited the vessel owner.
- 1 October 2019: Vessel Casualty, Maryland 2455 BC, Sandy Point State Park, Annapolis, Maryland** The USCG received a report from local marine salvage company that an individual was attempting to arrange towage of his partially disabled 32-foot Bayliner recreational vessel; however, because of previous disputes with commercial assistance providers, no commercial entity would agree to tow the vessel. Instead, the vessel owner traveled to Sandy Point State Park and moored at the public boat ramp, where the vessel then began to sink, causing a sheen on the surface of the water, which was later determined to be coming from a ruptured hydraulic oil line. MDE responded and placed sorbent material around the vessel. Maryland Natural Resources Police (MNRP) cited the vessel owner for obstructing the boat ramp and directed the individual to

U.S. Coast Guard (USCG) Sector Maryland – National Capitol Region (NCR)

remove the vessel; however, the individual indicated he did not own a vehicle and was unable to trailer the vessel off the boat ramp, even after the vessel was raised with assistance from DNR officers. The vessel owner conducted repairs of engine and removed the vessel on 3 October 2019.

C. Training & Readiness Highlights:

- Qualified 01 Federal On-Scene Coordinators and 03 Pollution Responders.
- First Responder Awareness (FRA) and First Responder Operations (FRO) Hazardous Waste Operations and Emergency Response (HAZWOPER) training provided to Station Annapolis, Station Saint Inigoes, and Station Washington.
- 04 Active Duty members attended Oil Spill Control course in Galveston, TX.
- 02 Sector Personnel attended National Environmental Policy Act/Endangered Species Act (ESA)/Marine Mammal Protection Act (MMPA)/Migratory Bird Treaty Act (MBTA) workshop to serve as Level 1 DHS Environmental Reviewers.

D. Exercises:

- Conducted two successful Government Initiated Unannounced Exercises (GIUE).
- **29 April 2019 through 3 May 2019:** Sector Maryland-NCR HURREX 2019
- **18 June 2019:** Mass Rescue Full Scale Exercise – Potomac River

E. Other Highlights:

- Ongoing – Continued edits and overhaul to the ACP
- **June 2019:** HAZWOPER for Sector MD-NCR Active Duty
- Sector support to Hurricane Dorian and capsized M/V “Golden Ray”

F. Future Events / Meetings:

- Next Scheduled Area Committee Meeting: 16 December, Coast Guard Yard, Baltimore

U.S. Coast Guard (USCG) Sector Hampton Roads

A. Activations/Notification (from NRC reports)

	20 April 2019 – 31 October 2019
Pollution Reports*	204
Federalized Cases	4
Criminal Cases	0
*Numbers reported include only those incidents occurring within Agency Jurisdiction or requiring an Agency response.	

B. Notable Cases (20 April – 31 October 2019):

- 27 April 2019:** Sector Hampton Roads Marine Environmental Response (MER) received a report regarding a 28-foot vessel taking on water in the vicinity of the third island of the Chesapeake Bay Bridge Tunnel. U.S. Army Logistics Support Vessel (LSV) removed the people on board and Station Little Creek attempted to tow the vessel to safety, but was unable to keep up with the flooding. The vessel sank with a reported 300 gallons of diesel on board. Sector Hampton Roads issued the owner an administrative order to mitigate the pollution from the vessel, but the owner was unwilling to make any efforts. Sector Hampton Roads accessed the OSLTF for \$100k to hire a Basic Ordering Agreement (BOA) contractor to assess and mitigate the threat of pollution. The vessel was raised and placed on a barge to remove the fuel because of the strong currents. Final Direct Costs were valued at \$59,402. Because the vessel was a potential hazard to navigation and a threat to the bridge, the Chesapeake Bay Bridge Tunnel Authority contracted Crofton Diving Corporation to remove the vessel from the waterway once pollution threat was mitigated. The vessel was taken to Crofton Diving Corporation in Portsmouth, Virginia.
- 10 October 2019:** Sector Hampton Roads MER received a report of a 32-foot vessel that sank at the dock while moored in the Elizabeth River discharging of an unknown amount of gasoline. The estimated maximum potential of the vessel's fuel tanks was 500 gallons. The owner of the vessel was on scene, but financially unable to take the appropriate action to mitigate the threat to the environment. Sector Hampton Roads accessed the OSLTF for \$25k to hire a BOA contractor to assess and mitigate the threat of pollution. An ATP was issued to Accurate Marine for \$20k. Accurate Marine sub-contracted Tow Boat US to raise the vessel. Once the vessel was raised, Accurate Marine removed 300 gallons of oily water from the vessels fuel tanks. Final Direct Costs were \$21,399.23.
- 27 October 2019:** Sector Hampton Roads received a report of an unknown oil along the shoreline of Outlook Beach at Fort Monroe on the Chesapeake Bay. The source and amount of oil could not be determined. Sector Hampton Roads consulted with the NOAA Scientific Support Coordinator (SSC) and VDEQ to discuss response strategies. Given the location, weather forecast, and the properties of the light oil, natural dispersion was decided to be the best response method. On 28 October 2019, there was significant media interest regarding the oil spill and the city of Hampton closed Outlook Beach. Sector Hampton Roads accessed the OSLTF for \$50k and issued Accurate Marine an ATP for \$15k as a result of media interest. In total, 12 Accurate Marine employees removed 30 bags of oiled debris from the beach.

C. Training and Readiness Highlights:

- Sector Hampton Roads (active and reserves) supported response and humanitarian operations with deployed personnel to southern border.
- 11 September 2019:** PIAT and Joint Information Center (JIC) training (13 September) as part of PREP exercise

U.S. Coast Guard (USCG) Sector Hampton Roads

D. Exercises:

- **29 April – 3 May 2019:** Sector Hampton Roads participated in the annual District Five Hurricane Exercise from 29 April – 3 May to evaluate pre-hurricane procedures and planning documents.
- Conducted 02 PREP Quarterly Notification Drills.
- Conducted 02 Alert Warning System (AWS) Port Partners Notification Drills.
- **19 June 2019:** Conducted Q3-FY19 GIUE – Kinder Morgan South Hill.
- **10 September 2019:** Conducted Q4-FY19 GIUE – Perdue Agribusiness (w/USEPA).

E. Other Highlights/Best practices, Lessons Learned, Issues and Concerns:

- **09-13 September 2019:** Sector Hampton Roads conducted its 2019 PREP full-scale exercise. The full scale multi-agency oil spill exercise was designed to assess the ability of industry, NGO agencies, oil spill response contractors, and State, federal, and local agencies to best respond to an offshore oil spill that could threaten Virginia's highly sensitive barrier island system and Eastern Shore Community. The following events took place during the week-long exercise:
 - Community Open House – Displays that showcased capabilities of Sector Hampton Roads , Hampton Roads Incident Management Team (IMT), and local area all hazards capabilities, resources, and techniques;
 - Training – JIC and Risk Communication;
 - Two sessions on the use of dispersants;
 - Landowners Meeting – This meeting brought in key landowners that reside in the Virginia Eastern Shore in process of standing up a Unified Command and stakeholders and trustee's roles and responsibilities;
 - Notification Drill – Sector Hampton Roads Command Center personnel initiated notifications in response to a simulated oil spill that had the potential to impact the Virginia Eastern Shore;
 - Formation of the Unified Command (UC) and establishment of an ICP at the Eastern Shore Community College. In addition to managing the simulated incident, players successfully completed a Planning Cycle and developed an Incident Action Plan for the next Operational Period;
 - Equipment Deployment was conducted in conjunction with HEPACO LLC. Approximately 1000 feet of harbor boom was successfully deployed in the vicinity of Burtons Bay.
- The Virginia ACP will go before the annual national ACP review panel and re-write in the fall of 2020. The Virginia Area Committee is currently completing the review, validation, and re-write in advance of the panel.
- Sector Hampton Roads is evolving Alert Warning System (AWS) (Port Partners) notification technology and procedures to develop stakeholders all hazards incident notification and briefing.

F. Future Events

- **Fall 2019:** ERMA training for Virginia Eastern Shore Landowners.
- **20 February 2020:** Upcoming All Hazards - Joint Virginia Area Committee, Area Maritime Committee, and Harbor Safety Committee meeting: Location to be determined (TBD).
- **24-28 February 2020:** Sector Hampton Roads will be participating in the 14th annual Todd Dooley Search and Rescue Forum: Hampton, Virginia.
- **March 2020:** Sector Hampton Roads will be conducting a seminar exercise in regard to a simulated Roll-On – Roll-Off (RORO) vessel marine casualty in the Port of Virginia. (M/V Golden Ray)
- **5-7 June 2020:** Sector Hampton Roads will be participating in the 44th annual Norfolk Harborfest: Norfolk, Virginia.

U.S. Coast Guard (USCG) – Sector Buffalo

A. Activations/Notification (21 April to 31 October 2019)

- Sector Buffalo Case Load: 33 cases, 13 physical responses, and 10 federalized cases.
- No significant cases in Pennsylvania.

B. Notable Cases:

None reported.

C. Training & Readiness Highlights:

Nothing reported.

D. Exercises:

Nothing reported.

E. Other Highlights:

- **22 May 2019:** Area Committee held at the Erie County EOC in Erie, Pennsylvania.
 - Incident Management Division (IMD) presented updates to the Geographic Response Strategies for Lake Erie, Lake Ontario, and the St. Lawrence Seaway.
 - Briefed concerns regarding rising water levels, specifically Lake Ontario, and the deterioration of shoreline from high water.
 - Stressed continued concerns about 55-gallon drum use as dock floats – many have turned into “mystery drums” this year.
- **Benefits of Drone Operations:**
 - Sector Buffalo is continuing to strengthen our relationship with State, local, and Tribal agencies in regard to aerial photography and video obtained from drones.
 - Presentation will include pictures from grounding of M/V RT HON PAUL J MARTIN on the Saint Lawrence Seaway near Galop Island in October. Drones were utilized heavily in response operations so that ICP in Buffalo, New York could view status of response.

F. Future Events/Meetings:

None reported.

U.S. Coast Guard (USCG) – Sector North Carolina

A. Activations/Notification (from NRC reports):

	20 April 2019 – 31 October 2019
NRC Reports	95
Responses	72 (21 Wilmington, 31 Fort Macon, 11 Nags Head)
Federalized Cases	4 (3 Wilmington, 1 Fort Macon)
Criminal Cases	1
Letters of Warning	22 (6 Wilmington, 12 Fort Macon, 3 Nags Head)
Notice of Violation	2 (Fort Macon)
Numbers reported include only those incidents occurring within Agency Jurisdiction or requiring an Agency response.	

B. Notable Cases:

- Hurricane Dorian:** On the evening of Thursday, 5 September, Hurricane Dorian’s outer bands began impacting the North Carolina Coast. By the next day, the eye of the hurricane had made landfall in the Outer Banks. While Dorian was still traversing the Outer Banks, USCG Port and Pollution Assessment Teams from Sector North Carolina deployed throughout the southern part of the state to assess damage and restore critical port operations as quickly as possible. After the storm moved through, Pollution Assessments Teams and the National Strike Force spread throughout North Carolina to assess potential pollution threats identified by Coast Guard Port Assessment Teams, NOAA satellite imagery, and MH-60 overflights supported by Air Station Elizabeth City. In the week following Hurricane Dorian, Sector North Carolina had restored the Marine Transportation System, and all ports resumed operations within 24 hours of impact. Sector North Carolina also addressed all potential pollution threats resulting from the storm, including eyes-on surveys of over 60 combined targets. Only two of the targets assessed were determined to be significant pollution threats requiring federal action. The cost of the pollution portion of this response was approximately \$20,000.
- Sunken Vessel (22 September 2019):** On 22 September 2019, Marine Safety Detachment (MSD) Fort Macon received a notification of a sunken vessel in Adams Creek near Beaufort, North Carolina, that was actively discharging diesel fuel. MSD Fort Macon responded, but did not observe a sheen once on scene. Because of lack of information on the vessel, including the amount of fuel on board or the identity of the vessel’s owner, it was articulated that a potential threat existed, and the case was federalized. MSD Fort Macon eventually made contact with the vessel’s owner, who stated that he did not have the means to pay for an adequate response. MSD Fort Macon issued a Notice of Federal Interest, followed by a Notice of Federal Assumption, and an Administrative Order directing the owner not to take any action to remove the vessel without prior USCG approval. The OSLTF Emergency Fund was opened for \$30,000, and Atlantic Coast Marine Group was hired as the OSRO. Pollution removal operations commenced on 23 September 2019. The OSRO assessed the vessel based on the owner’s statement that a 100-gallon external fuel tank, a hydraulic reservoir, a battery, and a fire extinguisher were on board. A contracted diver was able to find only the hydraulic reservoir and successfully remove 3 gallons of hydraulic oil. All subsequent shoreline searches for the fuel tank, battery, and fire extinguisher yielded negative results. The total project cost was approximately \$7,800.00.

C. Training & Readiness Highlights:

- ICS 300: 13-16 August 19 in Morehead City Civic Center (USCG hosted).
- Area Committee (AC) Meetings:
 - Southern North Carolina- September 25, 2019 Onslow County EOC
 - Northern North Carolina-September 26, 2019 Pasquotank County EOC

U.S. Coast Guard (USCG) – Sector North Carolina

- North Carolina Marine Debris Workgroup: North Carolina Coastal Federation led initiative in coordination with state, local, and federal partners.

D. Exercises:

- **23-27 September 2019:** United States Marine Corps (USMC)-led boom deployment training at Marine Corps Air Station (MCAS) Cherry Point.
- **25 September 2019:** FY19 AC TTX- USMC scenario for a coordinated spill in the Intercoastal Waterway (ICW).
- **29 August 2019:** USCG-led boom deployment training at Station Wrightsville Beach.
- **29 October 2019:** USCG-led boom deployment training at Station Fort Macon.

E. Future Events / Meetings:

- Next AC meetings:
 - **8 April 2020:** Southern North Carolina - Pender County EOC *pending*
 - **9 April 2020:** Northern North Carolina - Chowan County EOC

U.S. Coast Guard (USCG) – Marine Safety Unit (MSU) Huntington

A. Pollution Response Operations (from NRC Reports):

	20 April 2019 - 31 October 2019
Pollution Reports*	33 (8 enforcement violations issued)
Federalized Cases	0
Criminal Cases	0
*Numbers reported include only those incidents occurring within Agency Jurisdiction or requiring an Agency response.	

B. Notable Cases (20 April 2019 – 31 October 2019):

- 30 September 2019:** Marathon Catlettsburg Refinery incident
Issue/Concern: Underground product piping failed on an intermediate above ground holding tank with a capacity of 500,000 gallons, resulting in a discharge of 700-1000 gallons of a refined distillate product. Approximately 100 gallons were discharged into Chadwick Creek in Kentucky, which is a tributary to the Big Sandy River.
Agencies Involved: Marathon (Responsible Party [RP]), Kentucky Department for Environmental Protection (KYDEP), USCG (First Federal Official), USEPA Region 5, USEPA Region 4
Decisions Made/Outcome: USEPA Region 5 responded on behalf of USEPA Region 4 initially because of its proximity to the incident. Very effective ICS stood up by Marathon.

C. Training & Readiness Highlights:

- 20-21 August 2019:** Various Local Emergency Planning Committee (LEPC) meetings and West Virginia Emergency Response Commission (SERC) Conference
- 09 October 2019:** Marine Incident Summit
- 10 May 2019:** MSU Huntington ICS stand up exercise
- ICS Type 3 OSC, Monitoring and Technical Support Laboratory (MTSL), Public Information Officer (PIO) and ICS qualifications and ICS-300, 400 training; USCG FOSCR and Pollution Responder qualifications
- 17 September 2019:** Clean Waterways 2020 Planning Conference

D. Exercises:

- 20 May 2019:** Active shooter and pollution response
Agencies Involved: USCG, West Virginia Department of Natural Resources, Marietta Fire Department, Marietta Police Department
Summary of Exercise: Conducted underway approaches to largest passenger vessel in AOR for multiple active shooter scenarios and victim triage and transport. Also incorporated a pollution response element with ICS stand up drill and Incident Action Plan (IAP) development.
- 22 August 2019:** Marathon boom deployment
Agencies Involved: Marathon, USCG, West Virginia Department for Environmental Protection (WVDEP), KY DEP, Ohio (OH) USEPA
Summary of Exercise: Full scale boom deployment at Virginia Point at the location where West Virginia, Kentucky, and Ohio meet. Good lessons learned on securing boom to shoreline and moored barges to maximize containment.
- 10 September 2019:** Marathon Marine Operations Remotely Operated Vehicle (ROV) explosion and pollution response
Agencies Involved: USCG, State On-Scene Coordinator (OSC) (simulated with Marathon employee)
Summary of Exercise: ICS stood up for unknown underwater ROV exploded near loaded Marathon barge, resulting in pollution incident. Tested ICS organization, communications, and reporting to NRC.

U.S. Coast Guard (USCG) – Marine Safety Unit (MSU) Huntington

- **20 August 2019:** Government Initiated Unannounced Exercise
Agencies Involved: USCG
Summary of Exercise: Failed GIUE. Facility failed to locate response plan, call NRC, locate information for OSRO, and have enough people to deploy boom for initial response to pollution from facility manifold.

E. Other Highlights:

- **Best Practices and Lessons Learned:** Multiple qualified individuals (QIs) listed in response plan. Main QI was on vacation and others could not do the job.
- **Challenges and Issues:** Continue Inland Area Contingency planning initiative with Tri-State Spill Group
- **Changes in Leadership:** New Sector Ohio Valley Commander (Captain of the Port [COTP] and FOSC), Captain Amy Beach

F. Future Events / Meetings:

- Government initiated unannounced exercise follow up
- **13 November 2019:** Marathon Catlettsburg Refinery exercise
- **15 November 2019:** Mass Rescue exercise with West Virginia Army National Guard and Kanawha County Fire and Police Departments

District of Columbia Department of Energy & Environment (DC DOEE)

A. Notifications: (20 April – 31 October 2019)

- 22 NRC pollution reports
- 37 total activations
- 1 criminal case – illegal dumping

B. Notable Cases:

- **July 17, 2019:** DOEE responded to a fire at a bus depot in northeast D.C., in which five electric buses caught fire. Ash, petroleum products, automotive fluids, and metals were released into the storm drains which flowed into the headwaters of Springhouse Run inside the National Arboretum. DOEE worked with Petroleum Management Inc. to remediate the stream. This process included damming the stream to extract surface waters and remove pollutants through filtration. Operations also included the removal of contaminated sediments from the main storm sewer line underneath New York Avenue. A total of approximately 14 tons of contaminated material was removed from the stream and adjoining storm sewers over a period of 2 weeks.

C. Training & Readiness Highlights:

- Secured Urban Area Security Initiative (UASI) grant funds to purchase a second response vehicle, boat, trailer, and Rae Technician training for two technicians to maintain/repair air monitoring equipment.

D. Exercises:

None reported.

E. Future Events / Meetings:

- DOEE Emergency Response Program is under new management as its own branch within a newly created Rail Safety and Emergency Response Division; Jayne Deichmeister became permanent Chief of Emergency Response. DOEE hired three new employees, including two rail safety inspectors (who will cross train with Emergency Response [ER]) and an Associate Director.

Pennsylvania Department of Environmental Protection (PADEP)

A. Notifications: (May – October 2019)

- 4,367 phone notifications
- 394 NRC reports
- Responded to 96 afterhours emergencies

The majority of the responses were for fire water runoff, transportation accidents, oil and gas incidents, or water pollution/fish kills.

B. Notable Cases (1 May 2019 through 31 October 2019):

- **10 June – 14 July 2019: Bulk Chemical Spill and Fire, Berks County, PA:** The facility had a spill of 2000+ gallons of nitric acid. During the spill cleanup, the acid vapors corroded the electrical panels, which resulted in a fire. The facility was a bulk chemical supplier and had numerous other chemicals stored inside. Some of the packaging was compromised by the acid vapors, making removal of the chemicals difficult. PADEP, USEPA FOOSC, and Lewis Environmental (contracted by RP) were on-site for over a month during the removal of the products and cleanup of the spilled acid.
- **June 21, 2019: Ongoing, PES Refinery Explosion, Philadelphia County, PA:** A leaking valve in the Alkylation Unit at the refinery cause a vapor release that resulted in a fire and several subsequent explosions in the unit. Refinery personnel dumped the HF into a storage vessel, preventing its release; however, some process liquid containing a small amount of HF was released in the fire which burned for 24 hours. PADEP, USEPA, Chemical Safety and Hazard Investigation Board (CSB), Philadelphia Office of Emergency Management (OEM) and numerous other agencies responded to the fire and conducted air monitoring around the facility until the site was stabilized in mid-August. Cleanup is ongoing at the site, which is currently shut down. Additional information can be found on the Chemical Safety and Hazardous Investigations Board (CSB) website: <https://www.csb.gov/chemical-safety-board-releases-factual-update-and-new-animation-detailing-the-events-of-the-massive-explosion-and-fire-at-the-pes-refinery-in-philadelphia-pa/>
- **July 12 – 18, 2019: Ongoing, Pool Doctor Fire, Beaver County, PA:** A fire at the former Pool Doctor facility occurred on 12 July 2019. Pool Doctor was a manufacturer of pool chemicals, which had closed several years prior. Other business entities were still active at the site. The building housing chemical products collapsed earlier in the summer, resulting in PADEP being contacted to conduct an emergency hazardous site cleanup of the products. During the cleanup a reaction took place which resulted in the fire on 12 July. Additionally, a chlorine/ bromine plume formed during the reaction. On-site detectors indicated that the plume was below occupational health levels for chlorine at the perimeter of the site and command post. The initial fire was extinguished the morning of the 13 July; however, a second reaction took place in a roll off container resulting in another plume. That reaction was stopped early in the afternoon on the 13 July. Further investigation of the site after the fire/plume incidents indicated that the products involved also contained bromine. That was particularly concerning due to the increased toxicity of bromine compared to chlorine. Additionally, although the meters used on-site could theoretically read the interference of bromine with the sensor, they could not distinguish the reading between chlorine or bromine. ER staff assisted the contractors in monitoring the site until 18 July. The site cleanup is ongoing. A video of the plume is attached.

Pennsylvania Department of Environmental Protection (PADEP)

C. Training & Readiness Highlights:

None reported.

D. Exercises:

None reported.

E. Future Events / Meetings:

None reported.

Virginia Department of Environmental Quality (VDEQ)/ Virginia Department of Emergency Management (VDEM)

A. Activations/Notifications

Department of Emergency Management

During this performance period, the Virginia Emergency Operations Center/Situational Awareness Unit (VEOC/SAU) received the following notifications of the suspected, potential, or actual releases of hazardous materials or petroleum products:

Reporting Requirement (20 April 2019 – 31 October 2019)	Total Number
Total notifications to VEOC/SAU	959
VDEM regional hazardous materials officer response (investigative/emergency)	125
VDEM regional hazardous materials response teams activation	13
Total NRC reports received by the VEOC/SAU	384

Department of Environmental Quality

	10 May – 13 November 2019
Pollution Reports ¹	1,882
Federalized Cases	1
Criminal Cases ²	1

¹ Numbers reported include only those incidents occurring within Agency Jurisdiction or requiring an Agency response. The VDEQ has ten pollution response coordinators in six regions. The VDEQ may receive on average 3,000 pollution reports annually, and the VDEQ is required to respond to and/or investigate all the reports that fall within the agency's statutory and regulatory authorities. The types of reports include, but are not limited to, sheen reports, petroleum releases from tanks and containers, sanitary sewer overflows, saddle tank ruptures in vehicle crashes, fish kills, illegal surface water discharges, illegal solid and hazardous waste disposal, train derailments.

² Case was referred to FBI, EPA Criminal Investigation Division (CID), and Virginia State Police; Virginia State Police are continuing to investigate

B. Notable cases:

Date	Location	Incident Summary/Issues
5/1/2019	Petersburg City	Tractor trailer hauling 11 X 275 gallon intermediate bulk containers (IBCs) containing white latex-based highway paint overturned on I-85 NB outside of the city. 2500-3000 gallons of the paint impacted the roadway and entered Lieutenant Run, a tributary of the Appomattox River. High media attention resulted because impacted water bodies flowed through the city, and a public water supply exists downstream of the spill location. Mitigation and cleanup occurred the same day, and very little environmental impacts were noted.
5/11/2019	Buena Vista City	Explosion occurred at a retail gas station resulting in the total loss of the building and several mortalities. Staff worked with other state and federal agencies on the post-incident analysis and sampling.

**Virginia Department of Environmental Quality (VDEQ)/
Virginia Department of Emergency Management (VDEM)**

Date	Location	Incident Summary/Issues
5/16/2019	Montgomery County	During renovations, mercury contained inside several pieces of antiquated medical equipment was released inside a hospital, contaminating workmen and several areas of the facility. The hospital hired contractors to remediate the areas. This multi-day event included several state and local agencies.
5/31/2019	Wythe County	An overturned highway tanker trailer breached and released approximately 5,900 gallons of product (gasoline) into a nearby storm drain and creek, potentially impacting a fish hatchery. The leak was controlled at the trailer with sorbent booms/pads and vacuum trucks, and transfer of product was used to collect approximately 2,000 gallons of product.
7/17/2019	Accomack County	An industrial fire at a local poultry processing facility impacted and ignited nearby materials, including a tank containing 1,250 gallons of peracetic acid. Peracetic acid is an organic acid that can detonate when allowed to reach 230 degrees Fahrenheit (°F). Cooling the remains of the tank, extinguishing the fire, and preventing run-off or movement of the product lasted for several hours.
8/1/2019	Montgomery County	Protesters to a natural gas pipeline under construction in the area threatened to release chemicals at an affiliated construction site. Staff met with law enforcement officials to assess suspicious materials left at the site.
Multiple Dates	Charlottesville City	Fish Kill resulting from demolition contractor discharging water into storm drain that led to Meadow Creek. Several thousand fish were dead. Stream runs through a park, so Health Department posted signs to keep people and pets out of the stream. Another contractor discharged decant water from a construction site in July on the University of Virginia (UVA) campus. In addition, a painting contractor washed out paint drums into a storm drain in October, causing a release of green paint to Meadow Creek. UVA officials have met with VADEQ regarding the releases.
9/25/2019	Montgomery County	After a head-on collision with another vehicle, a Norfolk Southern 2,000-gallon straight tanker overturned, caught fire, and released approximately 600 gallons of diesel. Site mitigation and restoration work took place the day of the incident with no lasting impacts to the ground or state waters.
10/4/2019	Northumberland County	An incident occurred involving what initially were classified as abandoned materials. A second incident occurred within ¼ mile of the first and lab- grade reagent chemicals, as well as personal protective equipment (PPE) and lab equipment, were recovered. These incidents were submitted to the Virginia Fusion Center. As a result, several law enforcement agencies are investigating the incidents.

Virginia Department of Environmental Quality (VDEQ)/ Virginia Department of Emergency Management (VDEM)

Date	Location	Incident Summary/Issues
11/6/2019	Bland County	A tractor trailer carrying an intermodal container with glycolic acid crashed on I-77 southbound. The container rolled over, causing acid release from the pressure relief valve. Approximately 200-250 gallons of acid were released to the grassy median. An earthen dam was constructed to contain the release approximately 100 feet above a stormwater drop inlet. All lanes of I-77 were initially shut down. The trucking company encountered challenges hiring an emergency response contractor, which resulted in response delays. VDEQ executed an emergency contract to remove liquid corrosive from median and to transfer remaining product from the intermodal container to a receiving tanker.

C. Training and Readiness Highlights:

- One pollution response coordinator completed the Science of Oil Spill Class in Delaware.
- One pollution response coordinator completed her Emergency Management certification.
- Two pollution response staff completed the L0101 Emergency Management Basic Academy.
- Two pollution response staff completed the following FEMA Courses:
 - On Scene Crisis Leadership and Decision making for Hazardous Materials Incidents.
 - Building Whole Community Engagement through LEPCs.

During the fall of 2019, Virginia localities were able to secure federal grant funds to support hazardous materials planning and response activities. The funding was used to support the Commonwealth’s Hazardous Materials Program and the following initiatives:

1. Purchase equipment to meet the current Program-required Minimum Equipment List and Program- specific initiatives.
2. Implement capital improvements to existing resources within the local hazardous materials teams.
3. Support research and development investments in new or non-existent capabilities or technologies with the hazardous materials teams.
4. Support advanced training opportunities, such as specialized training opportunities or courses on emerging threats.

Virginia Hazardous Materials Response Teams were awarded \$606,277 to meet these priorities. During this period, VDEM provided the following:

- 116 Emergency Management courses were held, with 1,785 students in attendance. The topics presented during this period included the agency’s Basic Emergency Management Academy, Advanced EM Academy, FEMA Professional Development Series courses, and ICS training.
- Eight agency-sponsored hazardous materials emergency response training sessions that provided training to 151 responders.
- The Hazardous Materials Program provided instructional support and presentations for the following:
 - 18 local training sessions for local hazardous materials responders, law enforcement, and emergency managers.
 - 7 classes specific to radiological response with 114 participants.

In September, VDEM co-sponsored the 2019 Virginia Hazardous Materials Conference. The Conference was held in Norfolk, Virginia and was attended by almost 400 people.

**Virginia Department of Environmental Quality (VDEQ)/
Virginia Department of Emergency Management (VDEM)**

D. Exercises:

Date	Exercise Name	Exercise Type	Hazard Type	Mission Area	Core Capabilities Evaluated
5/7/2019	VESTEX 2019	Functional	Hurricane/ Power Outage/Floodi ng	Response	Situational Assessment Operational Coordination Logistics & Supply Chain Management Public Information & Warning
5/23/2019	Fluvanna County	Tabletop	Natural Disaster/ HAZMAT	Response	
6/3/2019	Governor's Cabinet Exercise	Tabletop	Hurricane Response	Response	
6/5/2019	RVA Thunder TTX	Tabletop	Nuclear Power	Response	
6/18/2019	VOPEX- SNPS DRESS REHEARSAL	Functional	Nuclear Power	Response	Planning Public Information and Warning Operational Coordination Environmental Response/Health and Safety Mass Care Services On-Scene Security, Protection, and Law Enforcement Operational Communications Public Health, Healthcare, and Emergency Medical Services Situational Assessment
6/19/2019	Charles City EAC Drill VOPEX Out of Sequence	Drill	Nuclear Power	Response	Planning Public Information and Warning Operational Coordination Environmental Response/Health and Safety Mass Care Services On-Scene Security, Protection, and Law Enforcement Operational Communications Public Health, Healthcare, and Emergency Medical Services Situational Assessment

**Virginia Department of Environmental Quality (VDEQ)/
Virginia Department of Emergency Management (VDEM)**

Date	Exercise Name	Exercise Type	Hazard Type	Mission Area	Core Capabilities Evaluated
6/20/2019	VDH-ORH FMT Drill VOPEX Out of Sequence	Drill	Nuclear Power	Response	Planning Public Information and Warning Operational Coordination Environmental Response/Health and Safety Mass Care Services On-Scene Security, Protection, and Law Enforcement Operational Communications Public Health, Healthcare, and Emergency Medical Services Situational Assessment
6/20/2019	James City County Route Alerting VOPEX Out of Sequence	Drill	Nuclear Power	Response	Planning Public Information and Warning Operational Coordination Environmental Response/Health and Safety Mass Care Services On-Scene Security, Protection, and Law Enforcement Operational Communications Public Health, Healthcare, and Emergency Medical Services Situational Assessment
6/21/2019	Isle of Wight MS-1 Drill VOPEX Out of Sequence	Drill	Nuclear Power	Response	Planning Public Information and Warning Operational Coordination Environmental Response/Health and Safety Mass Care Services On-Scene Security, Protection, and Law Enforcement Operational Communications Public Health, Healthcare, and Emergency Medical Services Situational Assessment

**Virginia Department of Environmental Quality (VDEQ)/
Virginia Department of Emergency Management (VDEM)**

Date	Exercise Name	Exercise Type	Hazard Type	Mission Area	Core Capabilities Evaluated
6/21/2019	Newport News EAC Drill VOPEX Out of Sequence	Drill	Nuclear Power	Response	Planning Public Information and Warning Operational Coordination Environmental Response/Health and Safety Mass Care Services On-Scene Security, Protection, and Law Enforcement Operational Communications Public Health, Healthcare, and Emergency Medical Services Situational Assessment
7/8/2019	James Madison University (JMU) MCI FSE	Full Scale	Mass Casualty	Response	Planning Public Information and Warning Operational Coordination Mass Care Services On-Scene Security, Protection, and Law Enforcement Public Health, Healthcare, and Emergency Medical Services
7/16/2019	Henry County National Association for Stock Car Auto Racing (NASCAR) TTX	Tabletop	Mass Casualty	Response	Planning Public Information and Warning Operational Coordination On-Scene Security, Protection, and Law Enforcement Public Health, Healthcare, and Emergency Medical Services
7/18/2019	Operation Pipeline	Tabletop	Hazardous Materials	Response	Planning Public Information and Warning Operational Coordination Operational Communications Situational Assessment

**Virginia Department of Environmental Quality (VDEQ)/
Virginia Department of Emergency Management (VDEM)**

Date	Exercise Name	Exercise Type	Hazard Type	Mission Area	Core Capabilities Evaluated
7/23/2019	VOPEX	Full Scale	Nuclear Power	Response	Planning Public Information and Warning Operational Coordination Environmental Response/Health and Safety Mass Care Services On-Scene Security, Protection, and Law Enforcement Operational Communications Public Health, Healthcare, and Emergency Medical Services Situational Assessment
8/6/2019	Buckingham Active Shooter TTX	Tabletop	Active Threat	Response	Planning Public Information and Warning Operational Coordination On-Scene Security, Protection, and Law Enforcement Public Health, Healthcare, and Emergency Medical Services
8/16/2019	WestRock Tabletop Exercise	Tabletop	Hazardous Materials	Response	Planning Public Information and Warning Operational Coordination On-Scene Security, Protection, and Law Enforcement Public Health, Healthcare, and Emergency Medical Services Mass Care Services
9/6/2019	Roanoke HAZMAT Exercise	Full Scale	Hazardous Materials	Response	Planning Public Information and Warning Operational Coordination Environmental Response/Health and Safety On-Scene Security, Protection, and Law Enforcement Operational Communications Public Health Situational Assessment
10/15/2019	Tricorn 2019 TTX	Tabletop	Mass Casualty	Response	Planning Public Information and Warning Operational Coordination On-Scene Security, Protection, and Law Enforcement Public Health, Healthcare, and Emergency Medical Services Mass Care Services

Virginia Department of Environmental Quality (VDEQ)/ Virginia Department of Emergency Management (VDEM)

Date	Exercise Name	Exercise Type	Hazard Type	Mission Area	Core Capabilities Evaluated
10/16/2019	Flanagan Reservoir Harmful Algal Bloom	TTX	Biological	Response	Planning Public Information and Warning Environmental Response/Health and Safety
11/13/2019	Dominion Energy Chesterfield Power Station Emergency	Tabletop	Natural Disaster	Response	
11/14/2019	Dominion Energy Bremo Power Station Emergency Action Plan	Tabletop	Natural Disaster	Response	

E. Other Highlights:

- VDEQ has hired a second Pollution Response Coordinator in our Northern Virginia Regional office, Steven Fontenot. He has come to VDEQ from the U.S. Air Force, where he gained environmental response and cleanup experience. He has recently completed a degree in Environmental Management from the University of Maryland-College Park.
- VDEQ has completed a year-long Information Technology (IT) project resulting in implementation of a new Pollution Response Program database. The database is now part of the agency's centralized database and is integrated with other program modules allowing for association of pollution reports with facilities and facility permits. The project also launched a revised public portal for the reporting of pollution. The portal also allows stakeholders to look up pollution reports.
- On 22 October 2019 VDEM's headquarters moved to a new location closer to the Virginia Emergency Operations Center. Staff should begin moving into the new facility around mid-November. The new address is provided as follows:

**9711 Farrar Court
North Chesterfield, Virginia 23236
VDEM Main Switchboard: (804) 267-7600**

F. Future events/meetings:

None to report.

West Virginia Department of Environmental Protection (WV DEP)

A. Notifications:

- 1,282 notifications

B. Notable Cases (1 November 2018 through 19 April 2019):

Of the referenced 1,282 notifications, there are numerous incidents in which the incident is less problematic, and the responsible party actively pursues the environmental cleanup.

- **Leonard's Plating, Saint Albans, Kanawha County:** Following the passing of the owner-operator in 2017, WVDEP discovered approximately 20 plating tanks containing an undetermined amount of plating waste in a deteriorating structure. Property heirs disassociated themselves from the property and would not grant access to USEPA to conduct the removal. Dennis Matlock of the USEPA obtained an administrative warrant gaining access to the property to secure, contain, characterize, and manage for disposal the abandoned waste in the facility. The removal action began in early October 2019.
- **25 April 2019, Williamstown Diesel Spill, Wood County:** WVDEP received an NRC report regarding the sighting of a sheen on Plum Run, a tributary of Big Creek that enters the Ohio River at Mile 174.5. WVDEP was notified and responders traced the spill back to an above ground storage tank where an operator error caused a several hundred-gallon diesel spill. WVDEP response personnel took actions to limit the migration of the material. The responsible party mitigated the spill through a cleanup contractor.
- **Dominion Tank Fire, Friendly, Tyler County:** WVDEP received a report of a lightning strike initiating a fire in a 1,000,000-gallon natural gas condensate tank. Local responders conducted firefighting operations. WVDEP Hazardous Waste, Tanks, Air Quality, and Homeland Security-Emergency Response (HSER) responded to provide oversight and liaison with local, state and federal partners. At the time of the incident, the tank was reportedly approximately $\frac{3}{4}$ full, all contents were burned, and there were no injuries. About 12 hours into the fire, the tank collapsed. Fire-fighting water was retained and remained in the secondary containment. There was no release to surface water.
- **14 June 2019, Cruz Airplane Crash, Hedgesville, Berkeley County:** On 14 June 2019, a small plane crashed upon take off in a residential neighborhood, hitting two privately owned vehicles. Aviation fuel and diesel fuel were spilled from one of the vehicles impacted by the crash. All residents in the neighborhood utilize individual private drinking water wells. The site of the crash is situated in a known karst area. The owner of the aircraft took no action to mitigate the fuel spill. On 1-3 July 2019, WVDEP HSER Unit conducted removal of the contaminated soils, totaling approximately 38 tons. The material was profiled and disposed of locally as non-hazardous waste.
- **3 July 2019, Safety-Kleen Waste Oil Spill, Wheeling, Ohio County:** WVDEP was notified of an incident where a hatch on top of a tanker had been left unsecured during transit. Waste oil was spilled from the tanker while transiting through Wheeling, impacting approximately 5.75 miles of roadway. The responsible party, the parent company, and an additional response contractor took immediate action to initiate cleanup.
- **18 August 2019, Five Aces Truck Wreck, Elkview, Kanawha County:** WVDEP Environmental Enforcement (EE) and HSER responded to a single tractor trailer incident where the vehicle left the interstate and struck an abutment causing a load of 72 drums of a material identified as CLK 228 to be ejected through the front of the trailer. Based on communications with the responsible party and their insurance carriers, it became obvious the carrier was not prepared or willing to initiate an immediate response. Initially, WVDEP personnel identified 11 of the 72 drums had been compromised. WVDEP staged all damaged drums in secondary containment to prevent further discharge to the environment. Contractors began removal of

West Virginia Department of Environmental Protection (WV DEP)

drummed material on 20 August. Soil removal began on 21 August. Although there was no direct discharge to surface water, it should be noted that drainage from this incident was situated approximately 22 miles upstream of the West Virginia American Water Company drinking water intake.

- **22 August 2019, Gould Road Tote Adrian, Barbour County:** The Barbour County Sheriff's Deputy responded to a report of a tanker of corrosive chemicals abandoned in a public roadway near Adrian, West Virginia. Reportedly, the "tanker" had spilled some of its contents onto the surface of the aggregate-based roadway. Further investigation revealed the "tanker" was actually a tote and contained diesel fuel. Approximately 100 gallons of diesel fuel from the tote was spilled. WVDEP HSER Unit responded and conducted cleanup and managed disposal of the material in coordination with local West Virginia Department of Highways personnel.
- **9 September 2019, Moundsville Mercury Spill, Moundsville, Marshall County:** WVDEP received a report of the discovery of elemental mercury in the street in Moundsville. Based on discussion with the incident commander, it was determined that the resources to address and properly remove the material were not available locally. WVDEP HSER Unit along with WVDEP EE Unit personnel responded and observed the material had migrated into the gap between the curb and edge of pavement. Using a mercury vacuum and a Lumex mercury meter, they identified and removed the mercury. A responsible party has not been identified.
- **20 September 2019, Pike Street Oil Spill Parkersburg, Wood County:** WVDEP received a report of used oil in a storm drain in south Parkersburg. The incident was initially investigated by WVDEP EE personnel. A responsible party was not identified. WVDEP EE and WVDEP HSER Unit installed boom to temporarily mitigate the situation. On 24 September 2019, WVDEP HSER Unit excavated and transported the contaminated soil off-site for disposal.

C. Training & Readiness Highlights:

None reported.

D. Exercises:

None reported.

E. Other Highlights:

None reported.

F. Future Events / Meetings:

- **10 December 2019:** WV Homeland Security Region 3 will be holding the Functional Exercise for this cycle on Tuesday, 10 December 2019 at the Hardy County OEM/911 center, 157 Freedom Way, Moorefield.

A. NOAA ERD's FY 2019 Responses:

None reported.

B. Notable Cases:

- **30 October 2019:** James River, Virginia, Oil Spill
- **29 August 2019:** Hurricane Dorian, North Carolina
- **12 June 2019:** PES Refinery, Pennsylvania
- **30 May 2019:** Fertilizer Release, Pungo River, North Carolina
- **18 May 2019:** Chlorine Plant Fire, Kearny, New Jersey
- Dublin Express Oil Spill, New York Harbor
- PAC ATHENA Ferrosilicon Cargo, Morehead City, North Carolina

C. Training & Readiness Highlights:

- **Science of Oil Spills (SOS) Classes:** SOS classes help spill responders increase their understanding of oil spill science and make risk-based decisions when analyzing spills. The classes are designed for new and mid-level spill responders. These multi-day trainings cover topics including the following:
 - Fate and behavior of oil spilled in the environment.
 - An introduction to oil chemistry and toxicity.
 - A review of basic spill response options for open water and shorelines.
 - Spill case studies.
 - Principles of ecological risk assessment.
 - A field trip.
 - An introduction to damage assessment techniques.
 - Determining cleanup endpoints.

Most examples provided in the class relate to oil spills that have occurred in coastal and marine environments; however, much of this information applies regardless of the spill location (e.g., inland versus coastal).

The next SOS classes will be held as follows:

- **10-14 February 2020: Key West, Florida** (registration deadline 13 Dec 2019)
- **23-27 March 2020: Mobile, Alabama** (registration deadline 31 Jan 2020)
- **22-26 June 2020: Seattle, Washington**

Online applications: <https://response.restoration.noaa.gov/training-and-education/training/workshops/science-oil-spills-classes.html>.

- **National Academies and Sea Grant Collaborative Workshop Series:** The Sea Grant Oil Spill Science Outreach Program and the Gulf Research Program of the National Academies of Sciences, Engineering, and Medicine convened a series of workshops around the country that focused on three areas pertaining to oil spills: public health, social disruption, and economic impacts

The next workshop dates and locations will be held as follows:

- **4-5 December 2018:** Houma, Louisiana,
- **20-21 February 2019:** Anchorage, Alaska,

National Oceanic & Atmospheric Administration (NOAA)

- **29 March 2019:** Virginia Beach, Virginia,
- **5 April 2019:** Santa Barbara, California, and
- **6-7 May 2019:** Mobile and Bayou la Batre, Alabama
- **Shoreline Cleanup and Assessment Technique Classes:** Shoreline Cleanup and Assessment Technique (SCAT) is a systematic method for surveying an affected shoreline after an oil spill. The USCG D5 / NOAA is hosting a course on the following dates:
 - **21-23 April 2020:** Chincoteague, Virginia. Points of contact include Dave Pugh, USCG D5 and Frank Csulak, NOAA SSC.

D. Exercises:

- **26 June 2019:** Sector New York - New York Harbor spill
- **24 July 2019:** Sector Delaware Bay - Delaware and New Jersey
- **12 September 2019:** Sector Hampton Roads - Eastern Shore

E. Other Highlights:

- **NOAA Office of Response and Restoration Top Priorities and Research Projects:**
 - Increasing communication prior to and during a crisis.
 - Communication and connections between the Local Emergency Planning Committees (LEPCs) and Area Committee Meetings.
 - Engagement of outside industry into Area Committee Meetings by going to the industry groups instead of asking them to come to us.
 - Involving more local economic experts in planning, preparedness, and response and providing economic information to local preparedness plans.
 - Public health announcements – particularly seafood contamination.
 - Grief and stress counseling after a spill to reduce mental health stress.
 - Identification of the most vulnerable population should an oil spill occur.
 - NOAA recently released 10 new Oil Type fact sheets. New information, new format, and new look as well. A couple of them are revisions from older versions, but most are new (Biodiesel, Dielectric fluids, Heavy Fuel Oil [HFO], DilBit, etc.). They are available in portable document format (PDF).
 - The [Oil Types](#) page on the website is new and revised.
- **Mallows Bay-Potomac River National Marine Sanctuary** was formally designated on 3 September 2019. NOAA, the State of Maryland, and Charles County will jointly manage the sanctuary. The sanctuary is an 18-square mile stretch of Maryland's Potomac River. It is the first national marine sanctuary designated since 2000 and protects the remnants of 118 World War I-era wooden steamships and vessels as well as other significant maritime heritage resources

F. Future Events/Meetings:

- **3 December 2019 (8:30am – 5:00pm):** Delaware Marine Debris Emergency Response Workshop at St. Jones National Estuarine Research Reserves (NERR), Coastal Training Center, 818 Kitts Hummock Road, Dover, Delaware
Need to pre-register: Jessica Conway, Tel: 843-614-7427 Email: jessica.conway@noaa.gov
- **17-18 December 2019:** New York/New Jersey Regional Response Team (RRT2) meeting, Norrie Point Environmental Center, Staatsburg, New York.
Additional information concerning this meeting will be posted on the RRT2 website at <https://nrt.org/RRT2December2019> and disseminated by email. POCs - Steve Touw touw.steve@epa.gov or phone at (732) 906-6900, or LCDR Jesse Diaz at Jesse.M.Diaz@uscg.mil

A. Activations/Notifications (from NRC Reports):

None reported.

B. Notable Cases:

Navy had two events that generated USCG interest:

- **28 October 2019:** USS Gravely spilled 200 gallons of F76 (diesel) at Yorktown.
- **8 November 2019:** USS San Jacinto spilled 3000 gallons of F76 at Naval Station Norfolk.

C. Training & Readiness Highlights:

None reported.

D. Exercises:

None reported.

E. Other Highlights:

None reported.

F. Future Events / Meetings:

None reported.

U.S. Department of Labor (DOL) / Occupational Safety & Health Administration (OSHA)

A. Activations/Notifications (from NRC Reports):

None reported.

B. Notable Cases:

- Investigation of the PES Incident continues.

C. Training & Readiness Highlights: None reported

- Many thanks to the agencies that participated and sponsored the Chemical Safety, Security, and Transportation Workshop conducted at Slippery Rock University on 18 September, which hosted approximately 240 participants.
- The Workgroup would like to conduct another workshop in FY20 in Maryland or Virginia. If you are interested in hosting, please reach out to one of the tri-chairs.

D. Exercises:

None reported.

E. Other Highlights:

- Federal OSHA Region 3 conducted 3,090 inspections in FY19; 28 were conducted under the Process Safety Management National Emphasis Program.
- Michael Rivera is now the Acting Regional Administrator for Region 3.

F. Future Events / Meetings:

None reported.

U.S. Department of Transportation (DOT)

A. Activations/Notifications (from NRC Reports):

- State of the Union Address, Emergency Support Function (ESF)-1 support to the Federal Emergency Management Agency (FEMA) Office of National Capital Region Coordination
 - CSX voluntarily precludes the transportation of loaded toxic inhalation hazardous (TIH) and poisonous inhalation hazardous (PIH) commodities through Washington, D.C.
- Salute to America-ESF-1 and support to the FEMA Office of National Capital Region Coordination
 - CSX voluntarily precludes the transportation of loaded TIH and PIH commodities through Washington, D.C.
 - Temporary ground stop at DCA.
- Hurricane Barry - support to Region VI through the United States Department of Transportation (USDOT) Routing Assistance Hotline.
- Hurricane Dorian-ESF-1 support to FEMA Region III and assistance to Region IV

B. Notable Cases:

None reported.

C. Training & Readiness Highlights:

- Unwatering of tunnels
 - Completed site visits with FEMA and State/District representatives to the Baltimore and D.C. tunnels.
 - Initial discussions with United States Army Corps of Engineers (USACE) on unwatering capabilities and mission assignments.
- FEMA Region III Debris Management Summit.
 - Initial discussion on commercial surveys that Maritime Administration (MARAD) could perform for trash barges for catastrophic debris incidents.
 - Provided regulatory relief options from USDOT operating administrations.
- FEMA Region III Logistics planning for use of MARAD vessels
 - Ongoing work to use roll-on and roll-off vessels for pre-staging of assets.

D. Exercises:

- FEMA Region III Hurricane Rehearsal of Concepts Workshop
- FEMA Region III Regional Response Coordination Center (RRCC) Exercise-Radiological incident

E. Other Highlights:

None reported

F. Future Events / Meetings:

- Unwatering capabilities with USACE
- FEMA Region III Tunnel Workshop
- FEMA Region III 2020 Hurricane Regional Operations Center (ROC)