



# Sector NY Response – Incident Management Division

## INCIDENTS IN THE PORT

### May 2017 – June 2018

*Liberty's Maritime Guardians*



**Regional Response Team II**



# Sector New York

*Liberty's Maritime Guardians*





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## IMD Summary

- **814 NRC Reports received**
- **760 Preliminary Investigation cases initiated**
- **54 Incident Investigations Conducted**
  - 27 Letter of Warnings (6 currently pending)
  - 17 Notice of Violations (1 pending, recommended penalty - \$500)
  - 1 Class I Civil Penalties (2 pending, recommended penalty - \$18,000)
- **Recommended penalties: \$23,250**
- **Penalties imposed to date: \$17,750**



# Farragut Substation Discharge

(Dielectric Fluid with PCBs)

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## SITUATION/EVENT

## ACTIONS TAKEN

- 07 May 2017, a transformer explosion occurred at a Con Edison facility in Brooklyn, NY – with a max capacity of 37,000 gallons of dielectric fluid, and an unknown amount entering the East River with PCBs present.

### Oil Recovered:

- Recovered from Transformer: 6,497 gallons
- Recovered from Skimming Ops: 564 gallons
- Recovered from Recovery Wells (4): 810 gallons
- On-water solids (Oily Debris): 129 cubic yds
- On-Land solids (soil/bluestone): 300 cubic yds

- CERCLA fund: \$50K (\$34,205 expended)
- CG Integration within Unified Command
- Safety Zone was enforced for dive operations with consideration given to ferry traffic disruptions.
- Sector NY personnel conducted SCAT operations.
- AST & CG-IMAT were mobilized for assistance.
- Dive ops for Bulkhead Survey and repairs were conducted.
- FOSC transferred to EPA for SPCC oversight.





# Fresh Kills Discharge

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## INITIAL NOTIFICATION

## ACTIONS

- 21 June 2017, Sector New York received notification from ConEdison that an energy distribution line was discharging dielectric fluid into the Fresh Kills. The discharge rate was estimated at approximately 333 gals/day.

- OSRO was contracted to commence clean up operations.
- Distribution line was placed within a coffer dam to allow divers to reduce water and conduct repairs to the line.
- EPA assumed FOSC control of remediation actions of soil around the line.



**FOUO//LE SENSITIVE**



# PEL 300 Realty Discharge

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## INITIAL NOTIFICATION

## ACTIONS

- 22 JAN 18, Sector New York received notification that a discharge of approximately 100 gallons of heating oil had occurred on 15 JAN 18, due to a storage tank being overfilled.
- The oil entered New Rochelle Creek/ Titus Millpond through a storm drain adjacent to the storage tank.

- Owner of the tank contacted New York Department of Environmental Conservation to report the discharge.
- The OSRO commenced Clean up operations on 25 JAN to remove oil from the ground.
- Upon notification that the oil had reached the waterway the OSRO commenced removal of oil from the creek but was greatly affected by the presence of ice on the creek.
- NY DEC conducted monitoring of soil remediation.



FOUO//LE SENSITIVE



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# Questions?



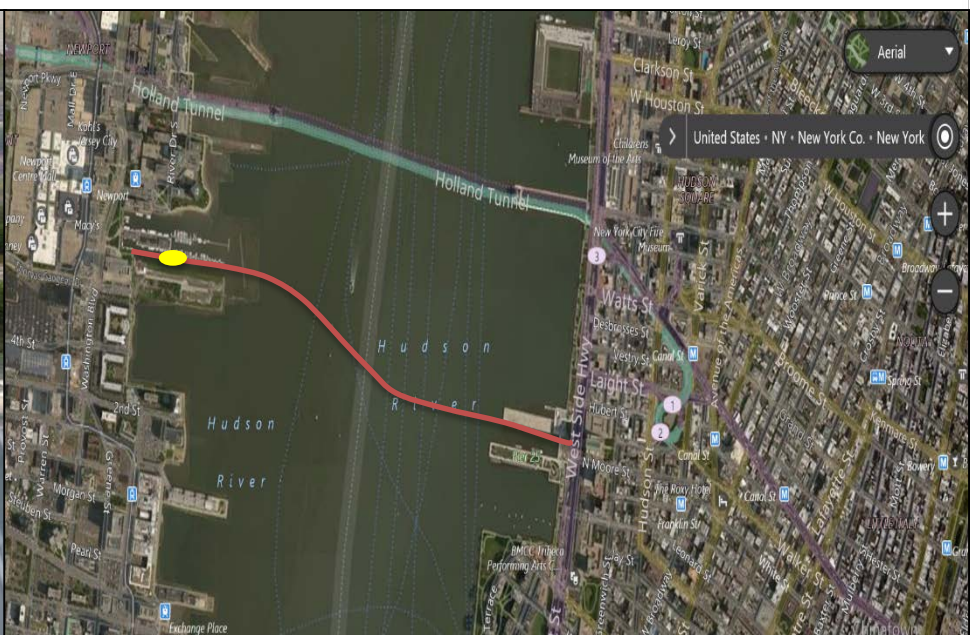
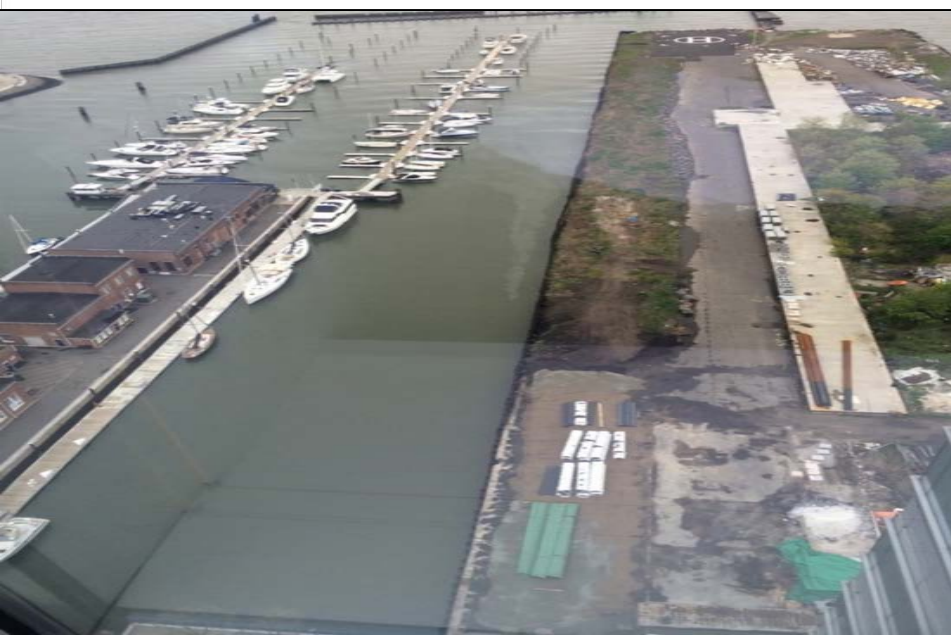


# Sector NY Pressurized Oil Line Spill

## B3402/C3403 MARINA SPILL, JERSEY CITY, NJ

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- On 03OCT16, USCG/NJ DEP responded to underwater electric transmission lines discharging dielectric fluid IVO Newport Marina, Jersey City, NJ
- Responsible parties: PSE&G & CON EDISON
- Worst Case Discharge (6 weeks): >200,000 gallons, (total failure)
- Water intrusion into lines will cause irreversible damage; NYC area electrical system impact to nation's highest populated urban areas & U.S. Financial district (Wall St.).
- One leak identified in B line at weld; permanent repair clamps applied on 13AUG17 and 06SEP17
- On 18 MAY 2018, USCG transferred FOSC authority to EPA.







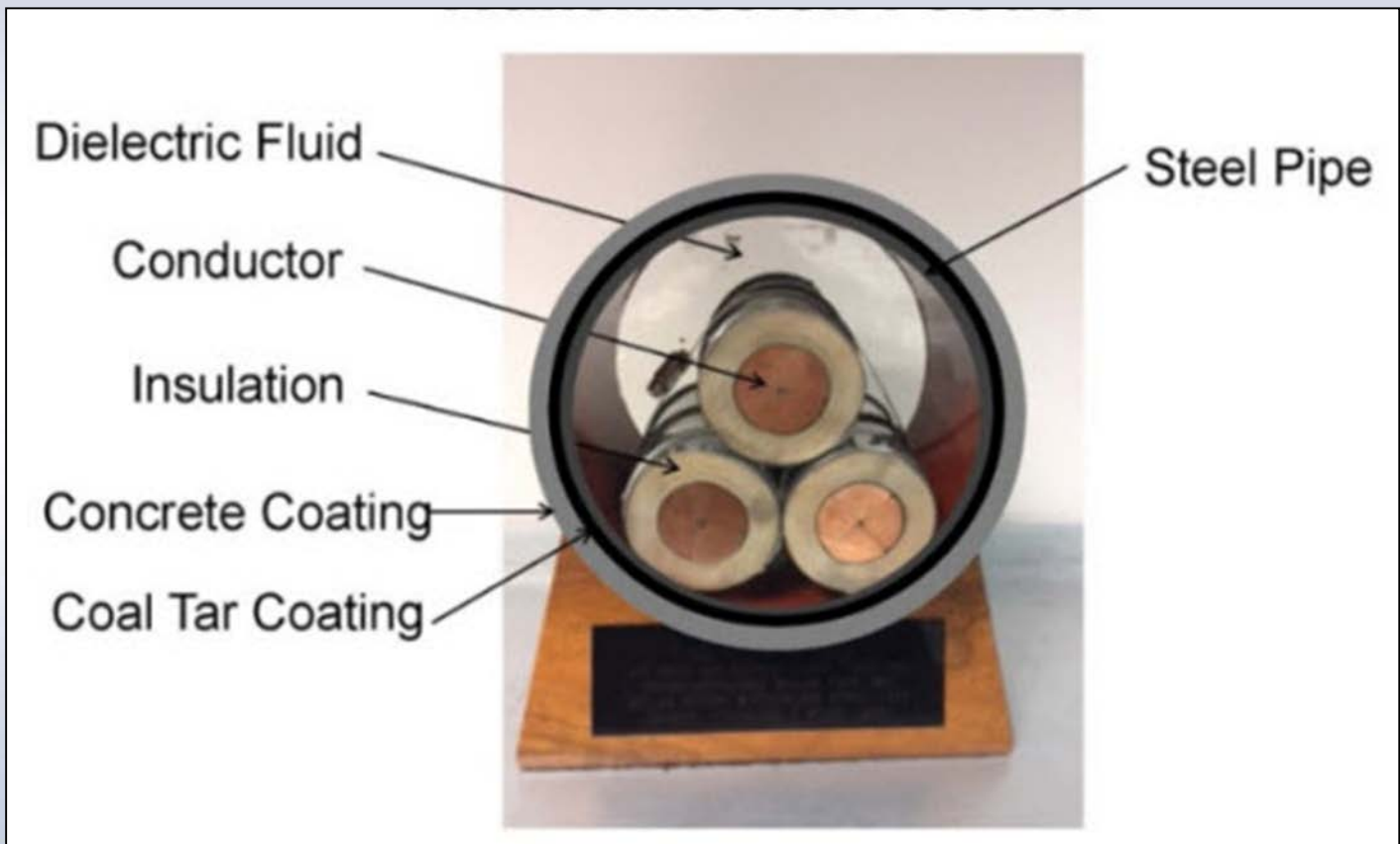
# Sector NY Pressurized Oil Line Spill

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## Typical Submarine Transmission Cable Type

**DF – Petroleum based synthetic polymer in pressurized, underwater buried electric power transmission cables (PTC).**





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# Sector NY Pressurized Oil Line Spill

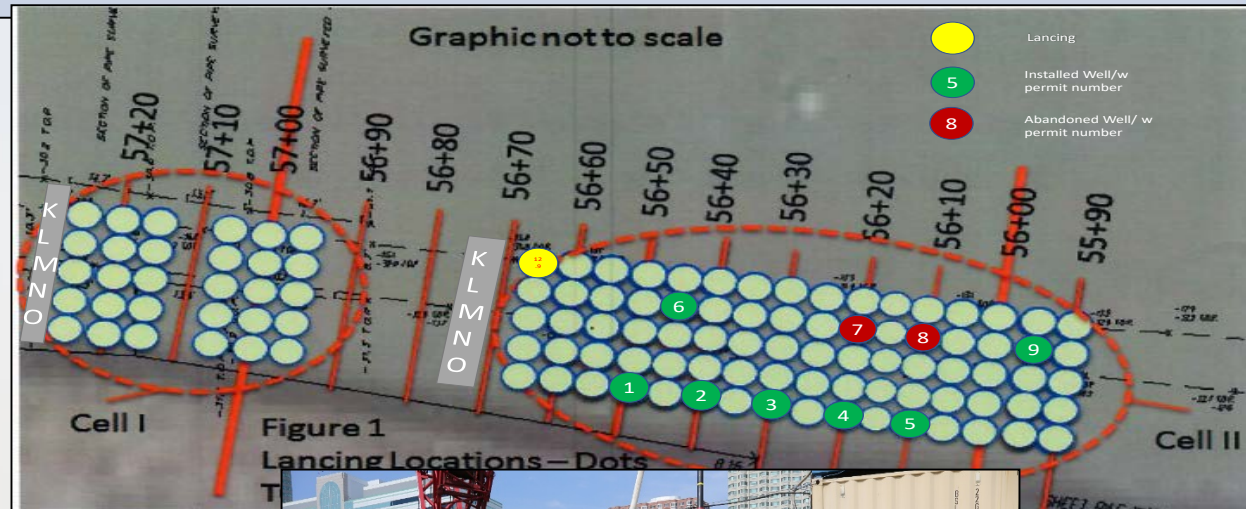
## B3402/C3403 MARINA SPILL, JERSEY CITY, NJ

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### Shore Side Direct Sensing



### Lancing





# Sector NY Pressurized Oil Line Spill

B3402/C3403 MARINA SPILL, JERSEY CITY, NJ

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## Challenges

- Locate source(s) of rising DF
- Leak search related:
  - Supportive excavation
  - Restrictions on trench location/size
  - Limited area for sediment relocation
  - Lead time for resources to support pier
  - Time for construction of pier supports
- Utilities lack of experience/techniques for underwater leak search
- Ability to ensure integrity of pipes

## Lessons Learned

- UC Members should have Authority, Jurisdiction, and Resources
- Energy Sector's Aging Infrastructure, 50+ years old
- Lack of Regulations/Oversight for the Energy Sector
  - PHMSA – Does not oversee utility pipes carrying hazardous material
  - EPA – Oversees SPCC Plans for inland storage tanks

## Expenses

CONED: \$23,758,154	USCG: \$15,006,128
NJ DEP: \$97,543	Direct: \$13,267,605
NADC: \$20,428,320	Indirect: \$1,630,963
PSE&G: \$10,475,158	

Total: \$69,765,303

## Recovered oil

- Oil recovered to date: ≈ 1,687 gallons
- Oil recovered since 03AUG17: ≈ 570 gallons (03 days after the temporary repair)
- Estimated oil sheen quantification to date: ≈ 722 gallons