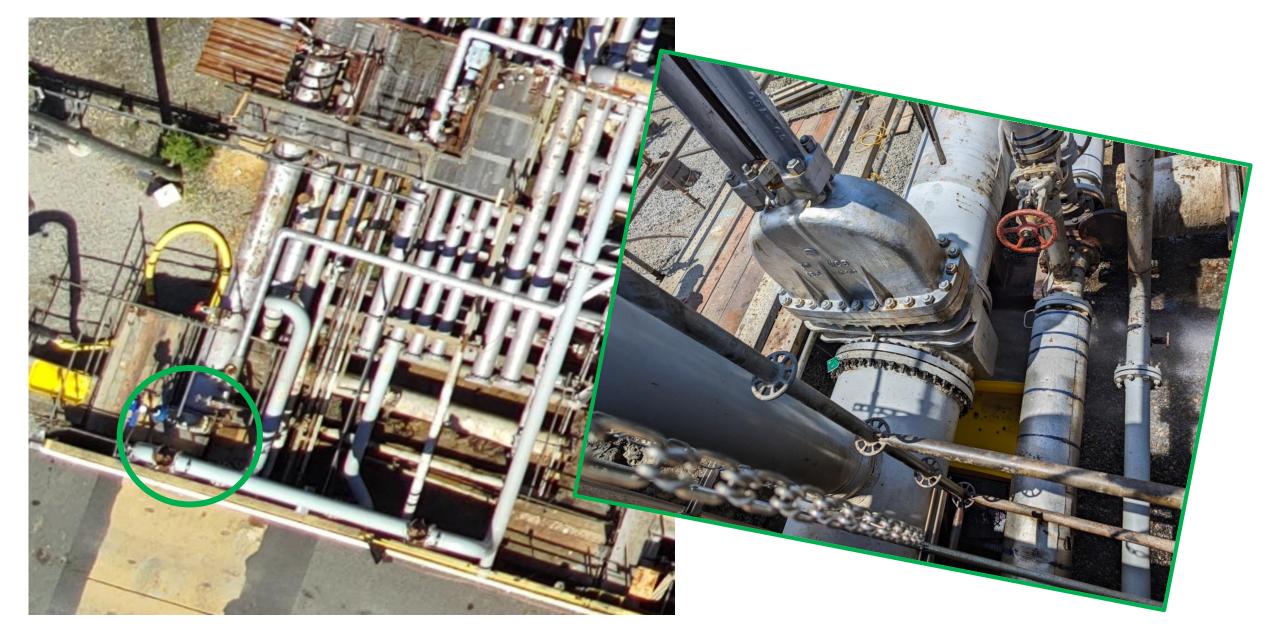


Source Location



Impacted Areas

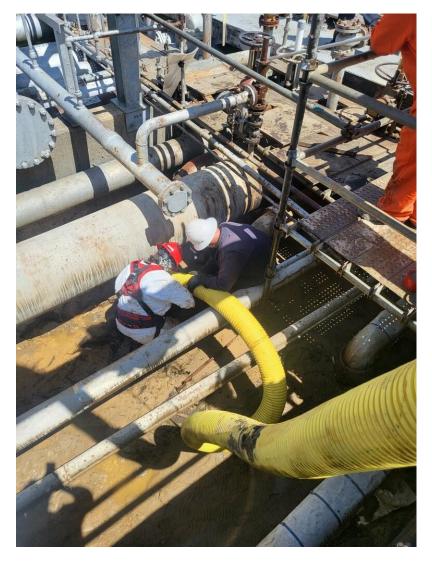


* Yellow polygons represent areas in which oiled invasive species was cut back for disposal.

** Red polygon represents oiled area beneath pipe rack.

Vactor Operations





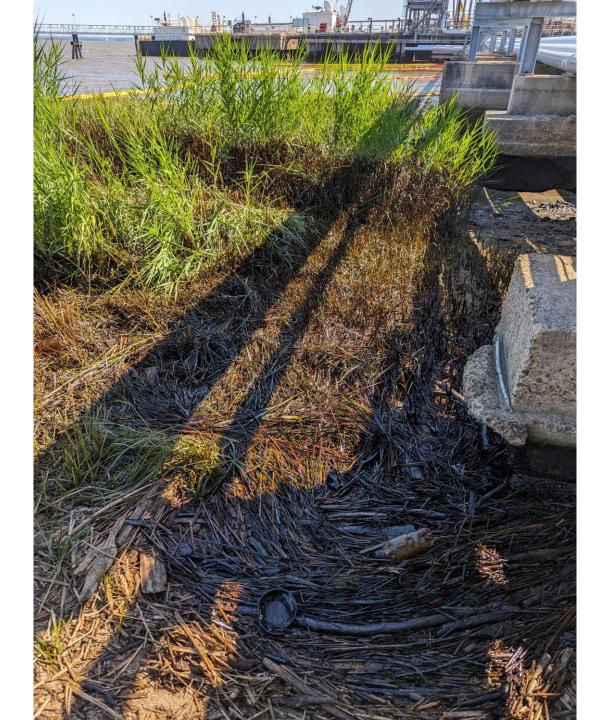
Impacted Vegetation South of Pier 2



Impacted Vegetation South of Pier 2



Impacted
Vegetation
North of
Pier 2



Impacted
Vegetation
North of
Pier 2



Pier Structures/Intertidal Rip-Rap

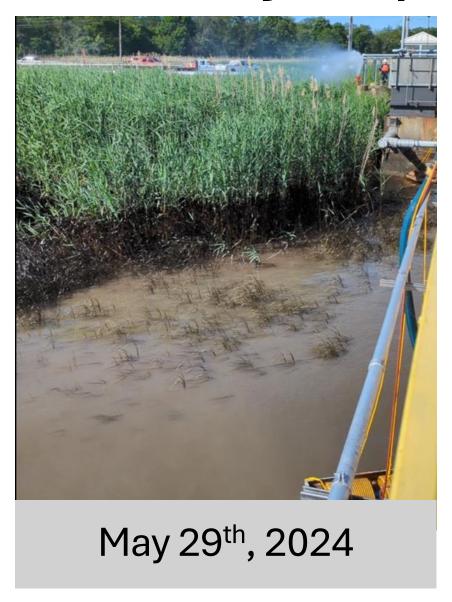


June 7th, 2024



July 9th, 2024

Potentially Impacted Spartina Grass





Spartina Regrowth!



Phragmites Grass Regrowth



June 3rd, 2024



July 7th, 2024

Lessons Learned

Vegetation Removal:

- Large volume of remaining oil was clinging to grass and trapped in dense vegetation.
- Obtained approval from appropriate Area Committee members.
- Incorporated Wetland Scientist so ONLY invasive Phragmites grass was removed.
- Crews placed plywood down when cutting to minimize damage to substrate.
- Vegetation removal was followed by high volume, low pressure flushing of impacted area.
- Plan to be included as Vegetation Removal Annex in updated ACP.

Vactor Operations:

- Pipe rack elevation from ground beneath only 2-3' so use of hand tools would have been difficult.
- CG requested use of Vactor machine to vacuum oiled soil beneath pipe rack area.

Consultations:

- Effective Endangered Species Act (ESA Section 7) consultations were conducted through USFWS/NOAA using iPAC tool and CG D5 guidance.
- Effective National Historic Preservation Act (NHPA Section 106) consultations were conducted through DE State Historic Preservation Office (SHPO).

Recovery Totals

- ➤ Estimated 20 BBLS of crude oil discharged
- ➤ 785 BBLS of oil water recovered containing an estimated 350 gallons of oil via skimming/vac operations
- ➤ Seven roll-off containers (175 cu. Yds) of oiled sorbent/grasses (three filled with oiled sorbents/four filled with oiled grasses).
- ➤ No observed impact to wildlife

Questions?



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