Deepwater Horizon- Oil Spill (April 20, 2010 - Ongoing)

Cameron Hodson, CONS 387 Water & Wastewater Treatment, Dr. Adrienne Rygel, Spring 2023 Timeline

Introduction

The Horizon Oil Spill is regarded as one of the biggest sources of oil pollution in the world. This horrific accident was the result of unsafe and unregulated offshore drilling gone wrong.

Years later and the environmental impact is still being researched and affects the wildlife there still. Today over ten years after the initial damage over 80 companies are still working at pumping and drilling oil, now with even looser guidelines.

BP Exploration and Production was listed as the main party at fault and resulted in over 15 billion dollars worth of damages to be paid for. This money is still nothing compared to the damage the spill did Birds and fish all suffered due to the errors and greed for the oil. Continuing down this path will lead the world down a darker and more polluted path.

What Caused It? When an oil well was capped with a concrete core, natural gas escaped and caused the disaster. [2] Falling and discharging the oil into the ocean starting on April 22. When ignited the natural gas exploded on one of the platforms of the Horizon Oil Rig and killed 11 workers and injured 17. [2] The rig was operated by an off-shore drilling company Transocean and leased by the Oil Company BP. BP, Transocean, and several other companies were charged billions for the clean up and the damages that were caused due to their equipment and bad practices. *Supplemented by Clean Water Act Penalties \$6.659B Oil Spill Liability nterest generated by the Trust Fund Frust fund (50% RESTORE 20% \$1.33B Council, 25% Science Program, 25% COE) Gulf Coast Ecosystem Restoration Trust Fund 2.5% 35% 30% 2.5% **Council-Selected** Spill Impact OAA RESTORE A Direct Component Science Program Component Restoration Program Component NOAA reasury Administered **RESTORE** Counci **RESTORE** Counci Treasury Administered dministered Administered Administered vided among 5 Gu If Coast Ecosyst Restoration esearch on th osystem restoration tates according to a storation Science Gulf Coast economic ctivities under the rmula to impleme Region Comprehensive development, & Monitoring, and ate Expenditure Plar echnology Progra Plan ourism promotion uires Council appro ~\$133.3M* ~\$1.6B* ~\$1.6B ~\$133.3M* ~\$1.86B Equally distributed ually distributed to 5 Impact based to COEs in each of Gulf States distribution to the 5 Gulf States (AL, FL, LA, MS, TX) 5 Gulf States Figure 1: Clean Water Penalties

April 20, 2010- Explosion at capped well.

April 22, 2010- Damage causes oil to leak into waterway.

July 18, 2010- Oil discharge was stopped. (87 flowing days)

2012-2015- Fees for BP and partners before CWA (\$8.8 Billion)

Federal Court April 2016creating the Clean Water Act Penalties. (Figure 1)

2018- BP re-emerges with new owner continuing oil extraction. [1]

2020- Highly insoluble coating still detected in marshes and deepwater settlements. [7]

2021 - Pollution in ocean still creating low production rates. [7]

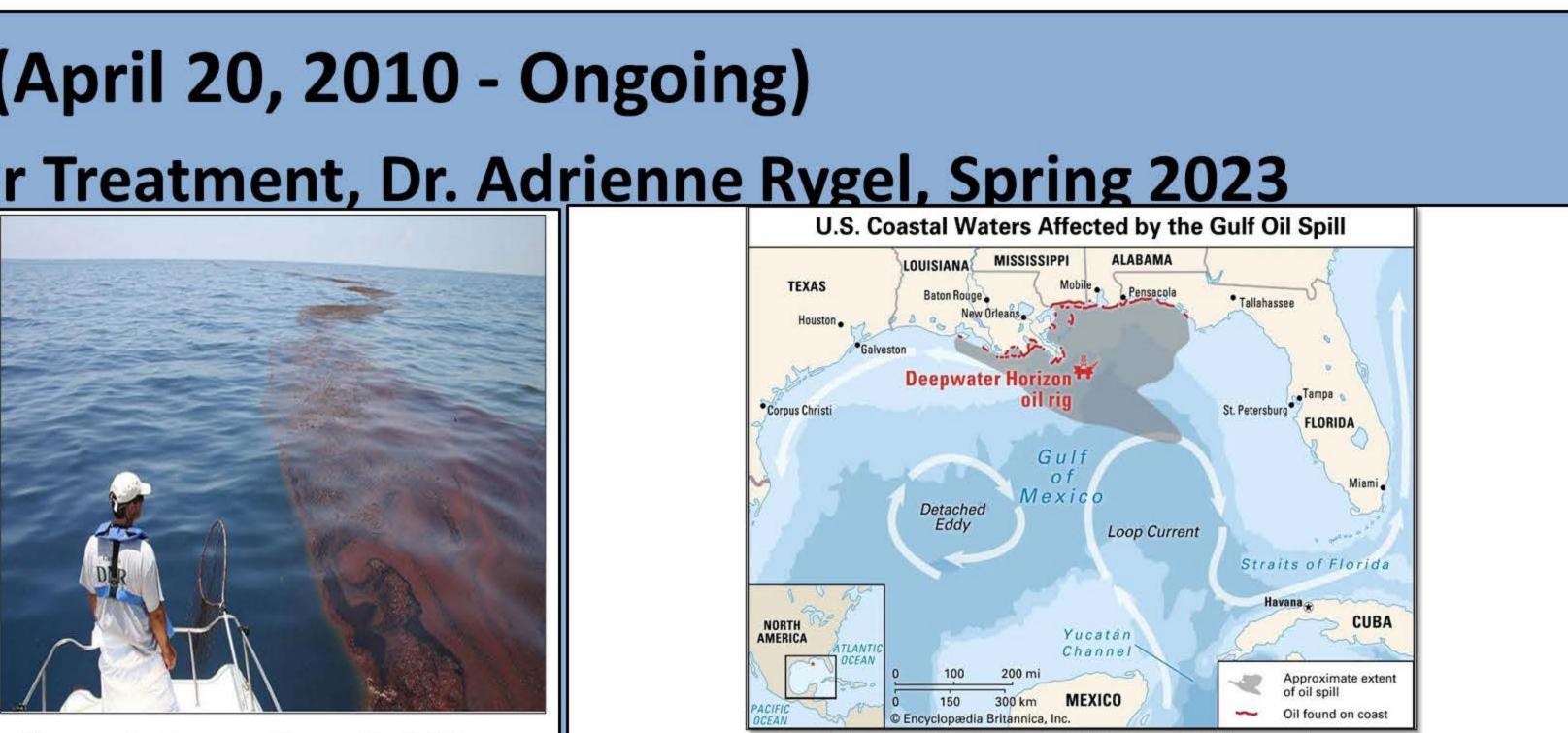


Figure 2: Stream flow of oil [5]

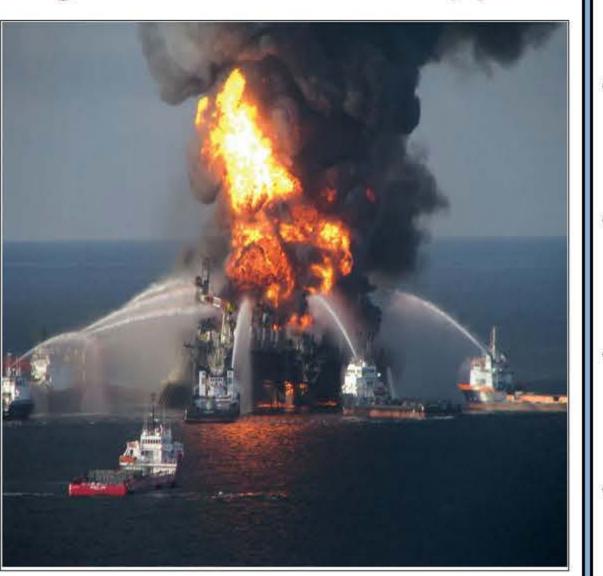


Figure 3: Fire On Horizon Oil [7]

PR Nightmare

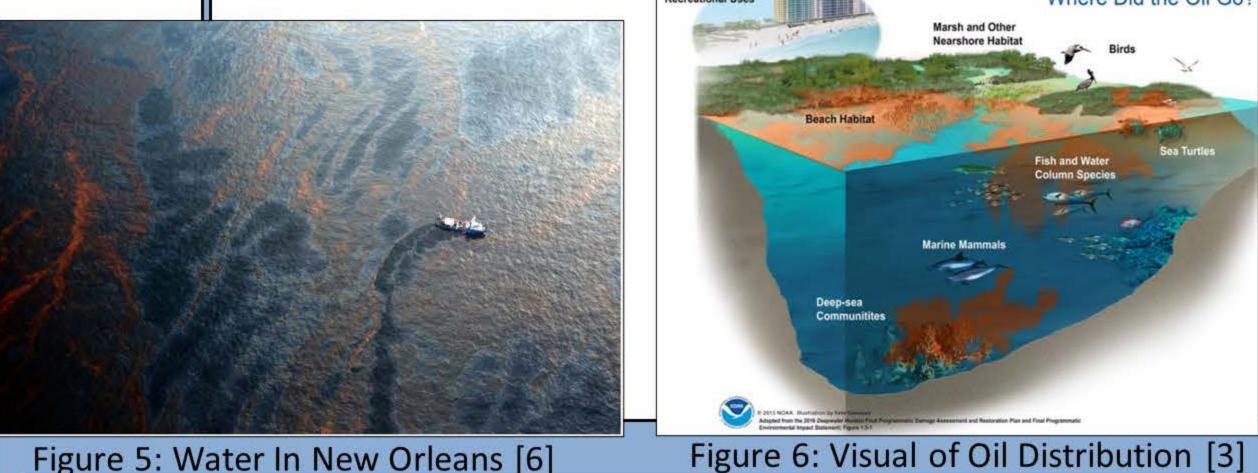
BP was not prepared-

- 1. No crisis management until after the incident.
- 2. Didn't correctly address the public.

CEO Insensitivity- "There's no one who wants this thing over more than I do. You know I'd like my life back."-CEO Tony Hayward. [1]

BP spent \$50 Million on Ad Campaign during clean-up [1]

Planning for a crisis cannot happen after a crisis, teams and plans are needed in place for all failures that could happen



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Figure 4: Coastal Waters Affected

Environmental Impact The petroleum alone that leaked formed a slick film of oil more

- than 57,500 square miles inside of the Gulf of Mexico.
- Not only the water was affected the oil was accumulated and became Tar Bars that would float and pollute the beaches.
- Deep into the Gulf many of the Deep-sea communities has oil that stuck to and polluted the ecosystems.
- In 2020, ten years after the disaster studies have been conducted to show that the in the Gulf of Mexico still show evidence of the contamination by polycyclic aromatic Deepwater Horizon hydrocarbons. (PAHs) [5] Beaches and Other Vhere Did the Oil Go?

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