

Weekly CEA FM Seminar: Spring 2017



JOHNS HOPKINS

Center for Environmental
& Applied Fluid Mechanics

Date: **Friday, February 17, 2017**

Time: 11:00 AM

Location: Gilman Hall # 132

Speaker: **Dr. Lisa Dipinto** (NOAA)

Title: ***"Science Highlights from the Deepwater Horizon Natural Resource Damage Assessment"***

Abstract

The Deepwater Horizon oil spill was the largest accidental offshore accidental oil spill in US history, resulting in the largest civil settlement with a single entity. In the aftermath of the incident, State and Federal 'Trustees', acting under the legal authorities of the Oil Pollution Act conducted a Natural Resource Damage Assessment (NRDA) to 1) assess natural resource injuries and 2) develop and implement a plan for restoration of injured resources to compensate for the loss resource services. The Trustees concluded that the entire Northern Gulf of Mexico ecosystem was affected by the oil spill and associated response actions, and have developed a comprehensive 15+-year plan to restore for the lost resources. Assessment methods and some key findings from the six years of studies on oil toxicity, fate, transport and natural resource exposure, injury to water column resources, turtles, marine mammals, Sargassum, nearshore resources and human use losses will be described, highlighting assessment findings and methods that shape future response, assessment, and restoration planning.