



Before the Mast *Lightship News Highlights*

Volume 1, Issue 5

August 2010

From the Captain's Quarters

Tim Condon, P.E., LSP, CEA
tcondon@lightshipengineering.com

The MassDEP has issued its draft 2010 Solid Waste Master Plan that is intended to put "the Commonwealth on the pathway to a zero waste future". The Solid Waste Master Plan outlines MassDEP's vision of the future of solid waste reduction and management in the state and describes a pathway for moving toward zero waste. This Master Plan will have a direct impact on all businesses and residents in the state. The pathway to zero waste will require a shift toward a more comprehensive and integrated approach that manages materials throughout their lifecycles. The draft Master Plan will:

- Dramatically increase recycling and re-use requirements;
- Maintain moratorium on additional municipal solid waste combustion;
- Seize green economic opportunities to build markets, jobs and firms in recycling, re-use, and related waste management efforts;
- Increase producer responsibility to reduce waste; and
- Develop integrated solid waste management systems.

Part of MassDEP's goals is to increase recycling rates in the near term. Developing and implementing a formal waste reduction plan for your business may be something to consider. If you have any questions, please don't hesitate to contact me.

As the Crow Flies

Capt. Mike Pierdinock, CHMM, LSP
mpierdinock@lightshipengineering.com

The Perseverance Fishing Team participated in the Martha's Vineyard Shark Tournament last month last month. The team tagged and released 10 Blue Sharks ranging in size between 4.5 to 12 feet. On a grand note, the team tagged a 16 foot long Great White Shark and caught the entire episode on video. The Great White was a young female lured to the boat with proven techniques. The Great White circled the boat for nearly 20 minutes. Great White Sharks are a threatened species.

The Perseverance's First Mate lured the fish to the boat and hand fed and tagged her. Noted fisheries biologist Dr. Greg Skomal, expert and author of the *Shark Handbook* reviewed the video and could not believe his eyes. CPH Charters was very thankful to help out Ms. Ruth Briggs of the APEX Predator Program in Narragansett, Rhode Island, during the tagging of the Great White. CPF Charters has decided to start offering tag and release shark Charters to provide scientific data to the APEX Predator Program as well as to provide sport fishing opportunities. We must preserve and not destroy our stocks of these magnificent predators.

We are entering the final phase of our *Nautical Phrase Contest*. **Our Round Four question** – In the novel *Master and Commander*, written by Patrick O'Brian, what was the name of Captain Aubrey's first ship? *Hint*: Command given by Right Honorable Lord Keith, Knight of the Bath, Admiral of the Blue and Commander in Chief of His Majesty's Ships and Vessels. Please submit your response at the email address above.

Scuttlebutt

Felix Perriello, CPG, LSP, LEP
fperriello@lightshipengineering.com

Lightship Engineering is providing environmental services including the operation and maintenance of a Butane Injection System at a Site located in Watertown, Massachusetts. The *Butane Injector 2000™* system was designed to deliver air and butane to the subsurface at low pressure to increase the biodegradation of dissolved-phase volatile petroleum hydrocarbons ("VPH") in groundwater. A *Butane Bioventing™* system was also installed at the Site to address and remediate petroleum-impacts to the unsaturated zone. The system is operated concurrently with the *Butane Biosparging™* system and is used to maintain a vacuum within vadose zone soils. The butane injection system and the cost of butane are included in the current 21J Underground Storage Tank Program Fee Schedule.