


**Middle River Complex:**  
**Outfall 005 Sediment  
Removal Action to be discussed  
at October meeting**

Details on plans for the removal of contaminated sediments in Dark Head Cove near Outfall 005 will be presented at a public information meeting on October 27, 2014 at Marshy Point Nature Center. (See box on page 4 for meeting details.) The contaminants are located in submerged sediments eight-to-ten feet beneath the water surface of Dark Head Cove immediately adjacent to Outfall 005, which is located in the bulkhead just south of the foundation of former Building D. Information will be provided about the various permits that are required in order for the Outfall 005 Sediment Removal Action to proceed.


The sediments to be removed were identified in the fall of 2013, when Lockheed Martin was taking samples in

preparation for the full cleanup of sediments in Cow Pen Creek and Dark Head Cove. These sampling activities revealed higher concentrations of polychlorinated biphenyls (PCBs) near Outfall 005 than had previously been detected elsewhere in Dark Head Cove. PCBs were commonly used in electrical transformers and may have been released when Building D was dismantled. Lockheed Martin and the Maryland Department of the Environment have decided to clean up this location before the full sediment remedy is implemented.

Lockheed Martin presented its plans for the Outfall 005 Sediment Removal Action at a public information session held at Marshy Point Nature Center on April 14, 2014. These plans had three parts: installation of a floating boom with silt-control curtains; cleanup of Outfall 005; and



spawn or submerged aquatic vegetation to grow is October  
16, 2014 through February 14, 2015. State and federal



In Dark Head Cove, sediment will be removed in front of the bulkhead, which will result in deeper water depths that comply with the authorized navigation channel. In other areas of Dark Head Cove, sediment will be treated in place (*in situ*) by adding activated carbon to the sediment on the water bottom, thereby reducing the availability of the sediment contaminants to fish and other animals.

The land beneath the waters of Cow Pen Creek, Dark Head Cove and Dark Head Creek is owned by the State of Maryland. The U.S. Army Corps of Engineers (USACE) regulates areas associated with the navigation channel in Dark Head Cove and Dark Head Creek. Both USACE and the Maryland Department of the Environment (MDE) regulate the full extent of wetlands and waterways that will be affected and will make the final

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