Middle River Complex and Martin State Airport Newsletter

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Lockheed Martin Middle River Complex
2323 Eastern Boulevard
Middle River, Maryland

October 2015

Middle River

Soil Cleanup in Blocks H, G, F, D, and D Panhandle to Finish in November

Contractors cleaning up five of the six blocks of land on the western and southern portions of the Middle River Complex have been working since mid-spring 2015 and, barring any unforeseen circumstances, are on track to complete soil cleanup by Thanksgiving. Work in Blocks H, G and D is essentially finished. Work in the Block D Panhandle began in mid-September. Work to remove abandoned underground storage tanks in Block F should begin around the end of October.

"All in all, this part of the soil cleanup project has gone as planned," said Tom Blackman, Lockheed Martin manager for the Middle River Complex. "Everything in the soil was pretty much as we anticipated. We came across metal debris in Block G that may have been from old Martin Creek, w Was released by MDE for a 30-day public

analysis con f rmed that site use levels were met, the excavations were back f lled.

In Block H, the site of an active parking lot, asphalt had to be cut to gain access to the area of suspected contamination. The cut asphalt has been stockpiled on site and will be transported to an asphalt manufacturing plant p ɥ oaa] ɹ ¥ w _ ll bp ʊ d Ƀ n ® hci ʊ on ḓ rnati] ɹ

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which goes through a separate review. Both the MDE and the Corps will be seeking public review of Lockheed Martin's application for a wetlands permit. The public meeting for that review will likely be held sometime in Spring 2016.

The MDE and the Corps are also required to get comments from sister agencies. For the MDE this includes the Maryland Department of Natural Resources, and for the Corps, the National Marine Fisheries Service and the U.S. Fish and Wildlife Service. Lockheed Martin's application will include its plans for how it will protect the marine environment of the creeks and cove, as well as how it will restore wetlands and submerged aquls ^ lu- m wÃr n t t' h] c qs l® ɪ ome p ³ a

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from the MDE to allow it to complete the upper portion of Cow Pen Creek during the summer, when such work is typically restricted.

Permits will also be required from Baltimore County for grading, storm water management and sanitary sewer discharge. Because the creeks and cove are located within the 1,000-feet boundary of the Chesapeake Bay Critical Area, any damage to forest or other habitat will have to be moderated, which is often done by replanting. Also, because the project area is within the Martin State Airport zoning district, plantings cannot attract wildlife such as waterfowl that could interfere with the safe operation of the airport.

Underwater Vegetation Survey Moves Sediment Cleanup Forward

This summer the Lockheed Martin team was busy surveying the extent and nature of underwater plants (called submerged aquatic vegetation) in Cow Pen Creek and Dark Head Cove. This is a necessary step for obtaining permits to dredge the creek and cove. The survey will help make it possible to create a picture of the health of the underwater system; only by knowing how things are now will Lockheed Martin know what needs to be done to restore the creek and cove to an acceptable condition once dredging is complete.

To conduct the survey, a small boat crisscrossed the creek and cove tossing out a special sampling rake and dragging it for about five yards, pulling up samples to identify the kinds and density of underwater vegetation growing on the creek bottom. The surveyors followed a grid connected to GPS (Global Positioning System), which made it possible to accurately locate each sample on a map. The sampling rakes were tossed out three times at each grid location and samples were collected from 231 locations. Surveyors also used a high-tech level to accurately determine the depth of the creek and cove at each location. The level readings are determined by using a laser and receiver connected to a measuring rod, which makes it possible to measure through vegetation all the way to the creek bottom.

The grid defining what parts of Cow Pen Creek and Dark Head Cove were to be sampled was approved by the Maryland Department of the Environment with input from the Maryland Department of Natural Resources and the

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"This is an important step for everyone involved in this projecnM a