

LANDFILL 7 (LF-07)/BASE LAKE NORTH AREA (BLNA) (LF-07/BLNA)

Joint Base Andrews

February 2013

BACKGROUND

Landfill 07 (LF-07) is approximately 28 acres in size and is located immediately south of LF-06 on the southern portion of the base. LF-07 operated from the 1960s to the 1980s and was used as a disposal site for construction debris, but also received some chemical and household wastes. A golf course now covers a large portion of LF-07. LF-07 drains towards Piscataway Creek, located immediately to the east. Additional wastes located north of Base Lake were identified as separate from LF-07. This location is known as the Base Lake North Area (BLNA). The BLNA is located immediately southwest of LF-07 and immediately northwest of Base Lake. BLNA is approximately 20 acres in size. The BLNA operated from 1942 to 1955 and was utilized as a disposal site for general refuse and construction debris. The Remedial Investigation (RI) was completed in May 2007. Supplemental RI groundwater characterization was completed in 2009 to fill data gaps. The results indicate that no leachate plumes are emanating from the landfills and no actionable risk is posed by the groundwater at LF-07 or BLNA. At LF-07 and BLNA, there is no unacceptable risk in surface or subsurface soils.

CHALLENGES

Negotiations with the Maryland Department of the Environment (MDE) will be required to discuss landfill capping strategies. Any negative effects to the stream banks and natural resources caused by the implementation of a remedy may be offset by wetland mitigation.

PERFORMANCE-BASED APPROACH

Currently, a Feasibility Study (FS) is being completed to identify and evaluate remedial action alternatives for the landfills. Several approaches are being evaluated including: landfill excavation and disposal, RCRA Subtitle B Cap, or a 2-foot soil cover. The remedy will be selected based on the technical and economic feasibility of implementation as well as its overall effectiveness.



Figure 1: BLNA Site Map

RISK DRIVERS

Contaminants: PCBs

Impacted Media: Soil

Exposure Pathways Completed: Human and Ecological

Drainage: Piscataway Creek

Current Land Use/Surface Cover: Recreational

Reasonably Anticipated Land Use: Recreational

Relative Risk: NR