



U.S. Army Corps of Engineers
Baltimore District
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Lot 18 Safety Measures

Spring Valley Formerly Used Defense Site

Lot 18 planning:

- 2004 — Investigation approach changed to “high-probability” based on lewisite discovery
- Chemical Safety Submission, Public Protection Plan, Public Outreach Plan and Lot 18 Work Plan produced or amended based on the “high-probability” of encountering chemical warfare materiel
- Key issues addressed in plans include: on-site chemical warfare materiel support, engineering controls, reporting and monitoring, public education and safety
- Key planning principles:
 - *Maximum Credible Event:* a 1-liter release of lewisite to the air through evaporation.
 - *No Significant Effects distance:* If a 1-liter bottle of lewisite was completely released to the open air, only those within 59 meters, or 194 feet, of the release would exhibit any significant health effects. This distance could affect eight residences on Rockwood Parkway and five buildings on the campus of American University, indicated by the oval circle.
- Plans coordinated with regulatory partners, the Environmental Protection Agency and the D.C. Department of Health
- 2005 — Plans revised and updated. Approach remains “high-probability” with a combination of new elements and existing methods that will speed up the work while providing the same level of safety for the workers and the community.

Personnel support:

- Edgewood Chemical Biological Center
- Technical Escort Unit
- Medical responders
- Site operations officer
- Huntsville Engineering and Support Center, U.S. Army Corps of Engineers
- 24-hour security

Engineering controls:

- Tent with negative pressure
- Redundant air filtration units
- Back-up systems
- Air monitoring inside and outside tent
- Personal protection equipment

Reporting and monitoring:

- Live video feed to Operations Center with recording
- Detailed tracking of items recovered and analyses conducted
- Daily reporting to regulatory agencies and other interested stakeholders

Public safety and involvement:

- Siren and emergency ring-down system to notify those nearby in case of an emergency
- Contact and meetings with affected residents and American University employees to reaffirm emergency procedures, including Shelter-in-Place, and to address Lot 18 concerns
- Invitation to media, affected residents and the Restoration Advisory Board to tour the site
- Lot 18 presentations at Restoration Advisory Board meetings
- Articles in Spring Valley newsletter, the *Corps' pondent*
- Frequent information line and web site updates

For more information about Spring Valley Lot 18, contact Craig Georg, project manager, (410) 962-6782; e-mail Craig.M.Georg@usace.army.mil or Mary Beth Thompson, public affairs specialist, 410-962-4088; email Mary.B.Thompson@usace.army.mil.