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Highlights

Highlights of GAO-09-1038T, a testimony before the Committee on Homeland Security and Governmental Affairs, U.S. Senate

BIOSAFETY LABORATORIES

BSL-4 Laboratories Improved Perimeter Security Despite Limited Action by CDC

Why GAO Did This Study

Biosafety laboratories are primarily regulated by either the Department of Health and Human Services (HHS) or the U.S. Department of Agriculture (USDA), depending on whether the substances they handle pose a threat to the health of humans or plants, animals, and related products, respectively. Currently, all operational biosafety level 4 (BSL-4) labs are overseen by HHS's Centers for Disease Control and Prevention (CDC). BSL-4 labs handle the world's most dangerous agents and toxins that cause incurable and deadly diseases.

This testimony summarizes GAO's previously issued reports on perimeter security at the nation's BSL-4 laboratories that were issued in September 2008 (GAO-08-1092) and July 2009 (GAO-09-851). Specifically, this testimony describes (1) the findings and recommendation on key perimeter security controls at five of the nation's operational BSL-4 labs, (2) CDC efforts to address our recommendation, (3) improvements that have been made to the perimeter security controls at the two labs found to be deficient, and (4) other observations about the BSL-4 labs GAO assessed.

View GAO-09-1038T or key components. For more information, contact Gregory D. Kutz at (202) 512-6722 or kutzg@gao.gov.

What GAO Found

Significant perimeter security differences continue to exist among the nation's five BSL-4 laboratories operational at the time of GAO's assessment. In September 2008, GAO reported that three of the five labs had all or nearly all of the 15 key controls GAO evaluated. Two labs, however, demonstrated a significant lack of these controls, such as camera coverage for all exterior lab entrances and vehicle screening. As a result, GAO recommended that CDC work with USDA to require specific perimeter security controls at high-containment facilities. However, as we reported in July 2009, CDC has taken limited action on the GAO recommendation.

In July 2009, GAO reported that the two deficient labs made progress on their own despite CDC's limited action. One made a significant number of improvements, thus reducing the likelihood of intrusion. The second made a few changes and formed a committee to consider and prioritize other improvements. The following table shows progress on 9 of the 15 controls GAO initially assessed for these two labs.

Progress on Perimeter Security Controls at Two BSL-4 Labs as of March 2009

Security controls	Lab C	Lab E
Visitor screening	√	Previously in place
Command and control center	√	Not in place
Camera coverage for all exterior entrances	√	Not in place
Closed-circuit television (CCTV) monitored by command and control center	In progress	Not in place
Active intrusion detection system integrated with CCTV	In progress	Not in place
Visible armed guard presence at all public entrances	Partially addressed	Not in place
Loading docks located outside the footprint of the main building	Partially addressed	Previously in place
Barriers to prevent vehicles from approaching lab	Not in place	√
Blast stand-off area (e.g., buffer zone) between lab and perimeter barriers	Not in place	√

Source: GAO.

Note: √ This symbol signifies control in place after GAO's 2008 report was issued.

Two additional observations about BSL-4 labs concern the significant perimeter security differences among the five labs GAO originally assessed for our September 2008 report. First, labs with stronger perimeter controls had additional security requirements mandated by other federal agencies. For example, one lab is a military facility subject to far stricter Department of Defense physical security requirements. Second, CDC inspection officials stated their training and experience has been focused on safety. CDC officials said they are developing a comprehensive strategy for safety and security of labs and will adjust the training and inspection process to match this strategy.

_____ **United States Government Accountability Office**