RLUOB

Radiological Laboratory Utility Office Building

The Radiological Laboratory Utility Office Building (RLUOB) is part of the capital project to replace the aging Cold War-era Chemistry and Metallurgy Research building.

Capabilities

RLUOB provides:

- Nearly 20,000 square feet of radiological laboratory space;
- A training center with four classrooms and two non-radio logical training simulation labs;
- A centralized utility building for all Chemistry and Metallurgy Research Replacement facilities;
- Office space to support 350 personnel in both cleared and uncleared areas; and
- A facility incident command center and facility operations center.

RLUOB features special instrumentation and equipment for supporting national security science through the understanding of plutonium. Laboratory space is outfitted with state-of-the-art analytical instruments, gloveboxes, open-front boxes, fume hoods, gloveports, enclosure coating and double-door transfer systems.

Facilities

RLUOB is located with the highly protected TA-55 area of Los Alamos National Laboratory. It is not only the Laboratory's newest facility, it is also the first to achieve both the Leadership in Energy and Environmental Design (LEED®) status and LEED Gold certification from the U.S. Green Building Council.

Sustainability considerations were integrated early in the RLUOB project planning and design phases. A strong commitment to environmental stewardship throughout procurement and construction helped ensure a high-performance, sustainable building. Its multi-functional purpose makes RLUOB a unique project for which LEED certification was sought.

The National Nuclear Security Adminstration recognized RLUOB with its 2010 Best-in-Class Award for Sustainable Design/Green Building. The Department of Energy gave RLUOB the 2010 EStar Award for exemplary environmental sustainability practices. This project improved environmental performance during construction; and offers enhanced safety, security; and reduces long-term cost and risk to LANL operations.

National Security Mission

From its robust design to its advanced scientific equipment, RLUOB is essential to the Laboratory's national security mission in support of NNSA's nuclear weapons program.

RLUOB adds a major component to NNSA's plutonium support capability and RLUOB demonstrates a strong commitment in ensuring the safety, security and effectiveness of the nuclear deterrent without testing.