

UNCLASSIFIED

# Chemistry and Metallurgy Research Facility Replacement (CMRR) Project

## Welcome

## CMRR Project Update

Los Alamos, New Mexico  
September 16, 2008

**Carl Moore, Meeting Facilitator**

# Agenda

---

- |      |   |  |
|------|---|--|
| 6:30 | <p>Table Topics &amp; Posters – Discussion, Questions, &amp; Comments</p> <ul style="list-style-type: none"> <li>- Geotechnical, Structural, Seismic, &amp; Engineering</li> <li>- Project Information &amp; Web Site</li> <li>- Environment</li> <li>- Construction, Safety, &amp; Quality</li> <li>- Open Table for Settlement Agreement Parties</li> </ul> |  |
| 6:45 | <p>Welcome</p> <p>Ground Rules</p> <p>Background and Purpose</p> <p>Briefing on Public Comment Provisions</p> <p>Introductions</p>  | <i>Carl Moore</i>                                      |
| 7:00 | <p>CMRR Project Overview &amp; Update</p>   | <p><i>Mark Dinehart,</i><br/><i>Gilbert Drexel</i></p> |
| 7:30 | <p>Return to Tables Topics &amp; Posters</p> <ul style="list-style-type: none"> <li>- Discussion, Questions, Written Comments, Recorded Comments</li> </ul>   | <i>Carl Moore</i>                                      |
| 8:25 | <p>Closure, Thank You and Adjourn</p>   | <i>Carl Moore</i>                                      |

# Background and Purpose

---

- Settlement allowed for air permitting to be segmented to match phased project-development and for public involvement
- Parties include
  - New Mexico Environment Department
  - Department of Energy
  - University of California
  - Concerned Citizens for Nuclear Safety
  - Nuclear Watch of New Mexico
  - Peace Action New Mexico
  - Loretto Community
  - TEWA Women United
  - Embudo Valley Environmental Monitoring Group
  - New Mexico Environmental Law Center
- Meeting is held every six months to update the public on CMRR construction progress

# From Last Meeting

---

- September 2008 meeting agenda suggestions
  - LANL seismic study and report information
  - Written responses to Settlement Party written questions about the project
  - Air permitting update
  - More time for meeting attendee's questions, answers, and information exchange

# Ground Rules

---

- Listen respectfully
- Share the conversation time with other participants
- Turn cell phones off or place on mute
- No personal attacks
- We have a station for submitting recorded comments. If you choose to submit recorded comments, please say your name first, then speak slowly and clearly
- We have forms for submitting written comments. If you choose to submit written comments, please write legibly
- Topic requests for future meetings can be left on the flip chart at any time

UNCLASSIFIED

# Chemistry and Metallurgy Research Facility Replacement (CMRR) Project

## CMRR Project Update

Los Alamos, New Mexico  
September 16, 2008

*Presented by*  
**Gil Drexel, LANL  
CMRR Project Leader  
&  
Mark Dinehart, LANL  
Integrated Nuclear Planning**

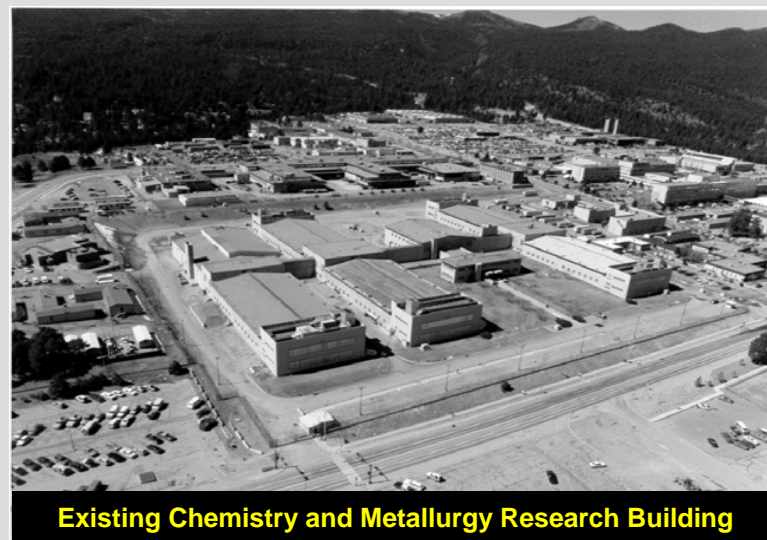


UNCLASSIFIED  
LA-UR-08-06028



# CMRR Mission Need Statement

**“The CMR Replacement (CMRR) Project seeks to relocate and consolidate mission critical CMR capabilities at LANL to ensure continuous support of NNSA stockpile stewardship and management strategic objectives; these capabilities are necessary to support the current and directed stockpile work and campaign activities at LANL beyond 2010.”**



# Analytical Chemistry & Material Characterization (AC/MC) Capabilities

## CMR's AC/MC capabilities support core LANL Programs

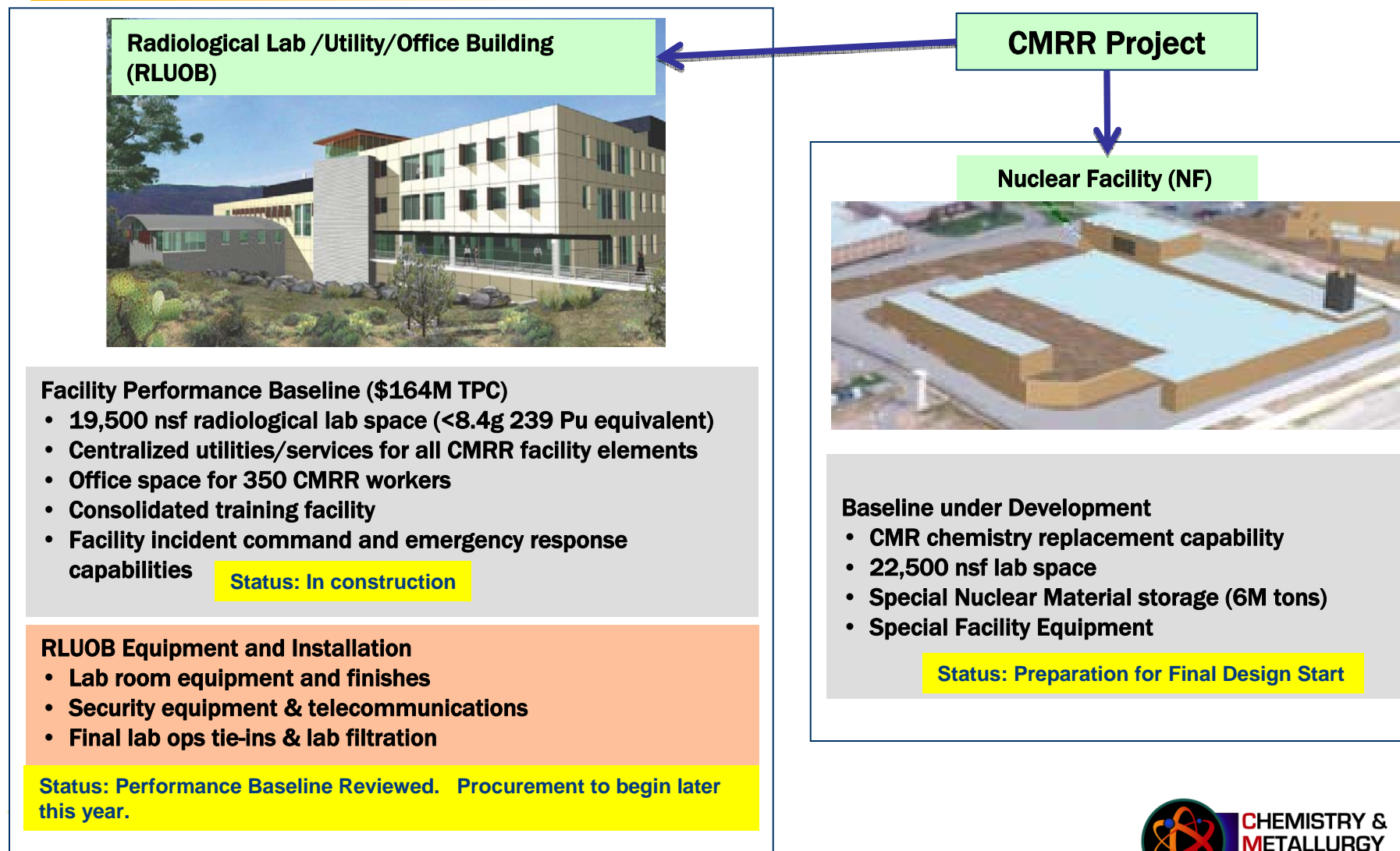
- Nuclear materials handling, processing, and fabrication
- Stockpile management
- Materials and manufacturing technologies
- Nonproliferation programs
- Waste management activities – environmental programs
- Materials disposition

## CMRR will replace these capabilities and...

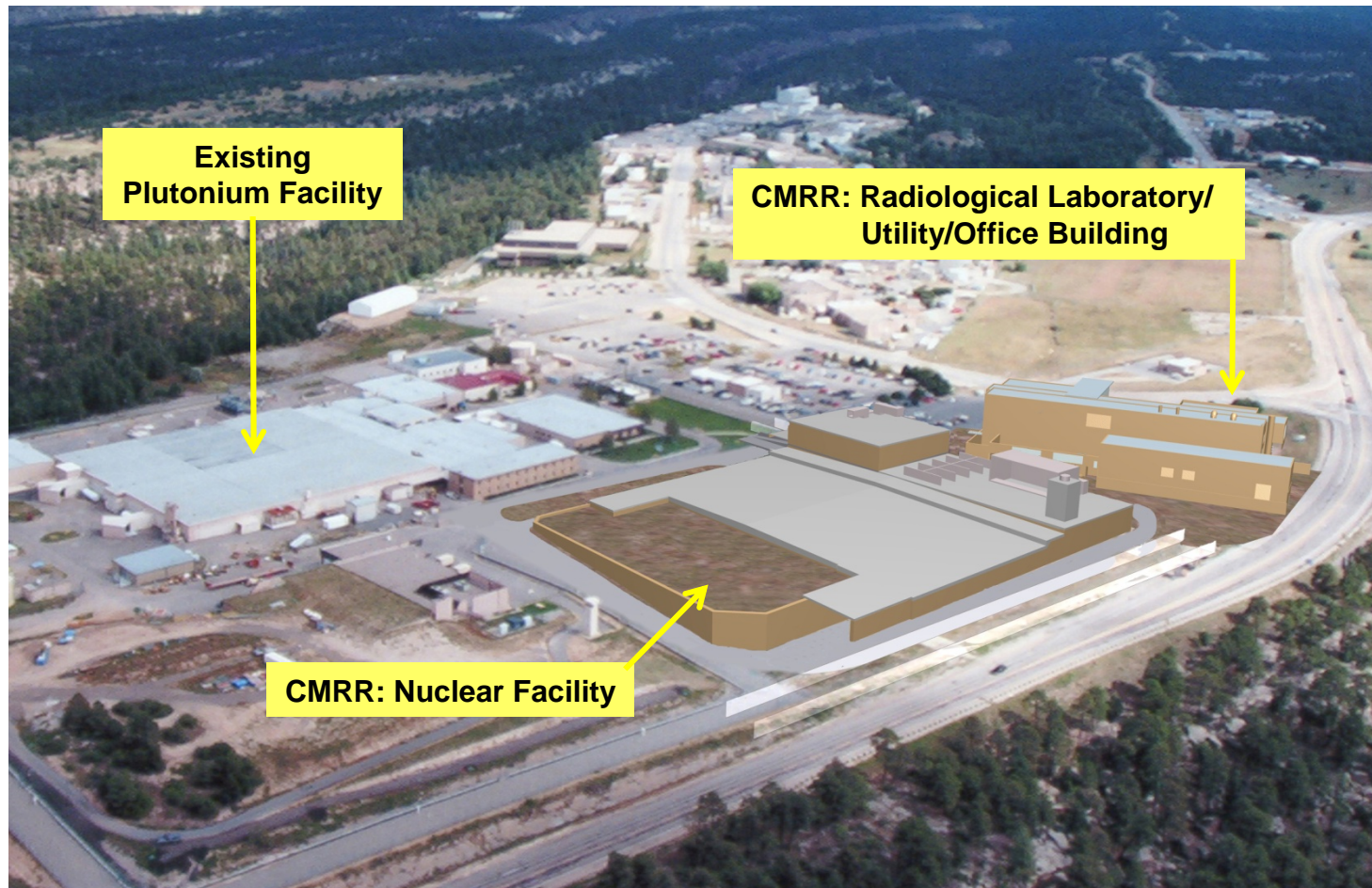
- Provide physical means for accommodating continuation of the CMR building functional and mission-critical capabilities in a safe, secure, and environmentally sound manner
- Seek opportunities to modernize CMR operations co-located with similar existing operations with reduced footprint
- Enhance security posture and reduced security costs



# CMRR – Project Scope



# CMRR at Technical Area-55



# High Level Schedule

---

## Complete

- 2002 CMRR Critical Decision (CD) - 0 (*Approve Mission Need*)
- 2004 CMRR EIS Record of Decision signed
- 2005 CMRR CD - 1 (*Approve Alternative Selection and Cost Range*)
- 2005 CMRR RLUOB CD - 2/3 (*Approve Performance Baseline/Construction*)
- 2007 CMRR RLUOB Equipment, Final Design Authorization

## This Year

- 2008 CMRR RLUOB Equipment/Installation CD-2/3  
(*Approve Performance Baseline/Procurement-Installation*)
- 2008 CMRR Nuclear Facility Safety Basis and Design Integration and Technical Reviews

## Future Years

- 2009 CMRR Nuclear Facility Final Design Contract Authorization
- 2011 CMRR RLUOB Radiological Laboratory Operations
- 2010~2016 CMRR Nuclear Facility Construction

# NNSA Direction & Budget Update

---

- NNSA Direction
  - Fully fund RLUOB performance baseline
  - Prepare RLUOB equipment and installation work activities for procurement/installation approval
  - Advance Nuclear Facility design/safety to minimize risk and prepare for final design initiation
  - Maintain continuity for Nuclear Facility design teams
  - Mission scope/program requirements unchanged
- Allocation of Fiscal Year (FY)08 budget authority
  - \$74.5M received for FY08 activities
- Future Planned Funding
  - \$100M reflected in FY09 budget (House Mark \$0, Senate Mark \$125M)
  - FY10 - FY13 funding profile is under evaluation and development

# Integration of Safety into Design

---

- Nuclear safety design
  - Codified into law
  - Primary design consideration
  - Safety structures, systems, and components (SSCs) are developed and rigorously assessed
- Lessons learned from all nuclear projects within DOE
- Defense Nuclear Facility Safety Board oversight/engagement 2008 major interactions include
  - March 08 – Nuclear safety basis review
  - July 08 – Safety class fire protection system review
  - July 08 – Safety systems determination workshop
  - Summer 08 – Participation of DOE/DNFSB fire protection criteria workshops and CMRR safety class fire suppression system case study endorsed
  - Fall 08 – Seismic/Structural workshop
- Implementation of “defense-in-depth” safety concept

# Table Topics

---

**Table 1 – Geotechnical, Structural, Seismic & Engineering  
(Tom Whitacre, Mike Salmon, Cathy Flavin)**

**Table 2 – Project Information and Website  
(Gil Drexel, Adam Orr)**

**Table 3 – Environmental Management  
(Tony Ladino, Nicole Seguin)**

**Table 4 – Construction, Safety & Quality Assurance  
(Steve Overton, Taunia Wilde, Joe Honea)**

**Table 5 – Open Table for Settlement Agreement Parties**

# CMRR Project

---

**Thank you for attending.**