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Chemistry and Metallurgy Research Replacement (CMRR) Project

Welcome

CMRR Project Update

Los Alamos, New Mexico
March 3, 2010

Bruce MacAllister, *Meeting Facilitator*

Agenda

6:30 - 6:40	Welcome	<i>Bruce MacAllister</i>
6:40 - 7:10	CMRR Project Presentation <ul style="list-style-type: none">• Project Overview• Project Update	<i>Steve Fong</i> <i>Rick Holmes</i>
7:10 - 7:30	Questions/Comments	<i>Bruce MacAllister</i>
7:30 - 8:00	Settlement Parties Presentation	<i>Settlement Parties</i>
8:00 - 8:25	Final Questions/Comments	<i>Bruce MacAllister</i>
8:25 - 8:30	Closure and Adjourn	<i>Bruce MacAllister</i>

Background and Purpose of Meeting

- 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

Ground Rules

- Listen respectfully
- Share the conversation time with other participants
- Turn cell phones off or place on mute
- No personal attacks
- Topic requests for future meetings can be left on the flip chart at any time
- Say your name each time you speak

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Los Alamos, New Mexico
March 3, 2010

Presented by
Steve Fong, *NNSA*
CMRR Federal Project Team

Rick Holmes, *LANL*
CMRR Division Leader



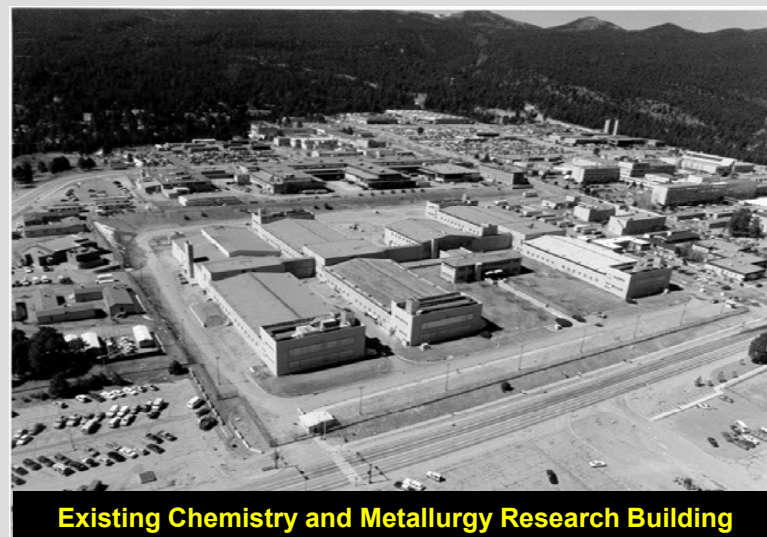
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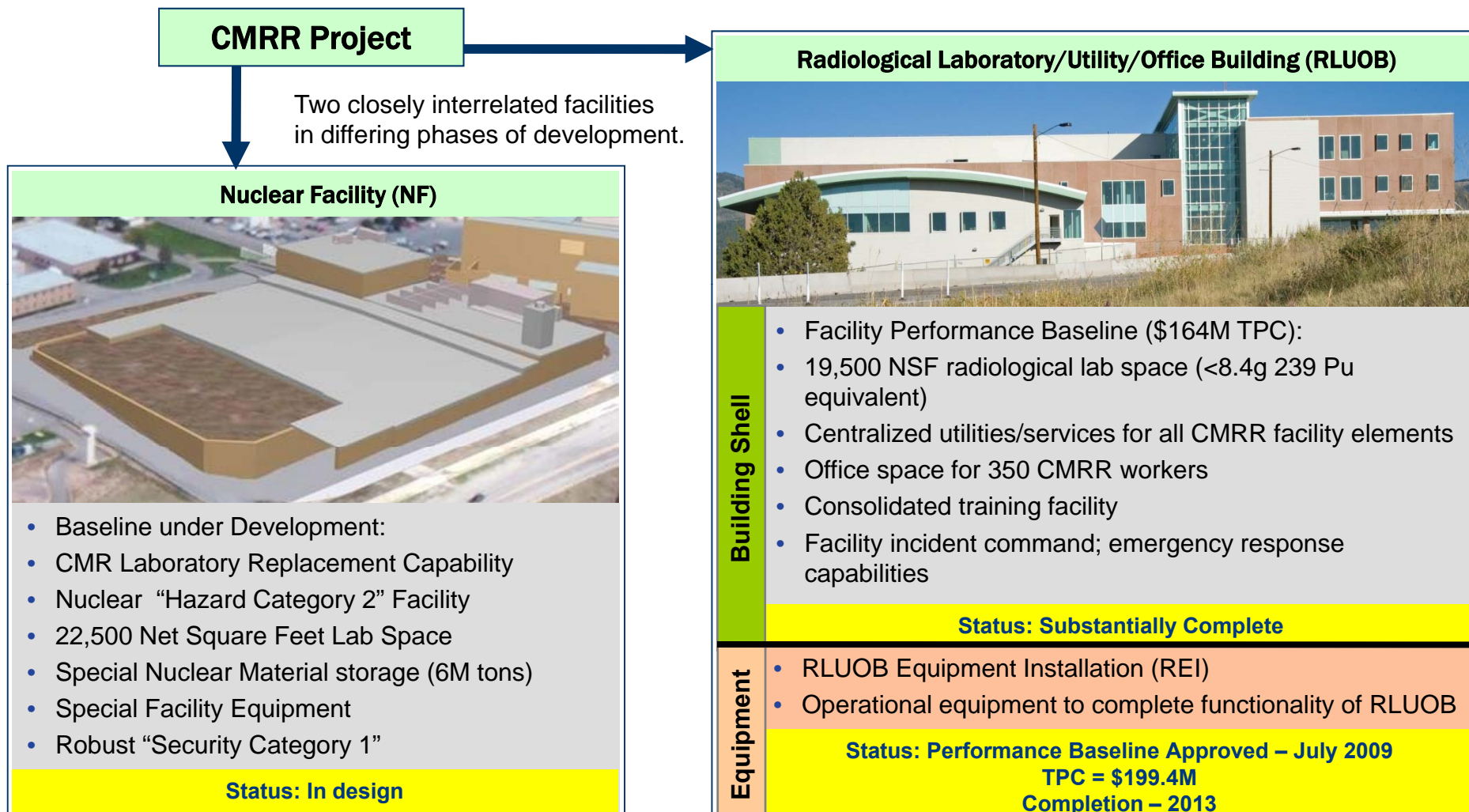
CMRR Mission Need Statement

“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.”

1949 CMR Construction Site

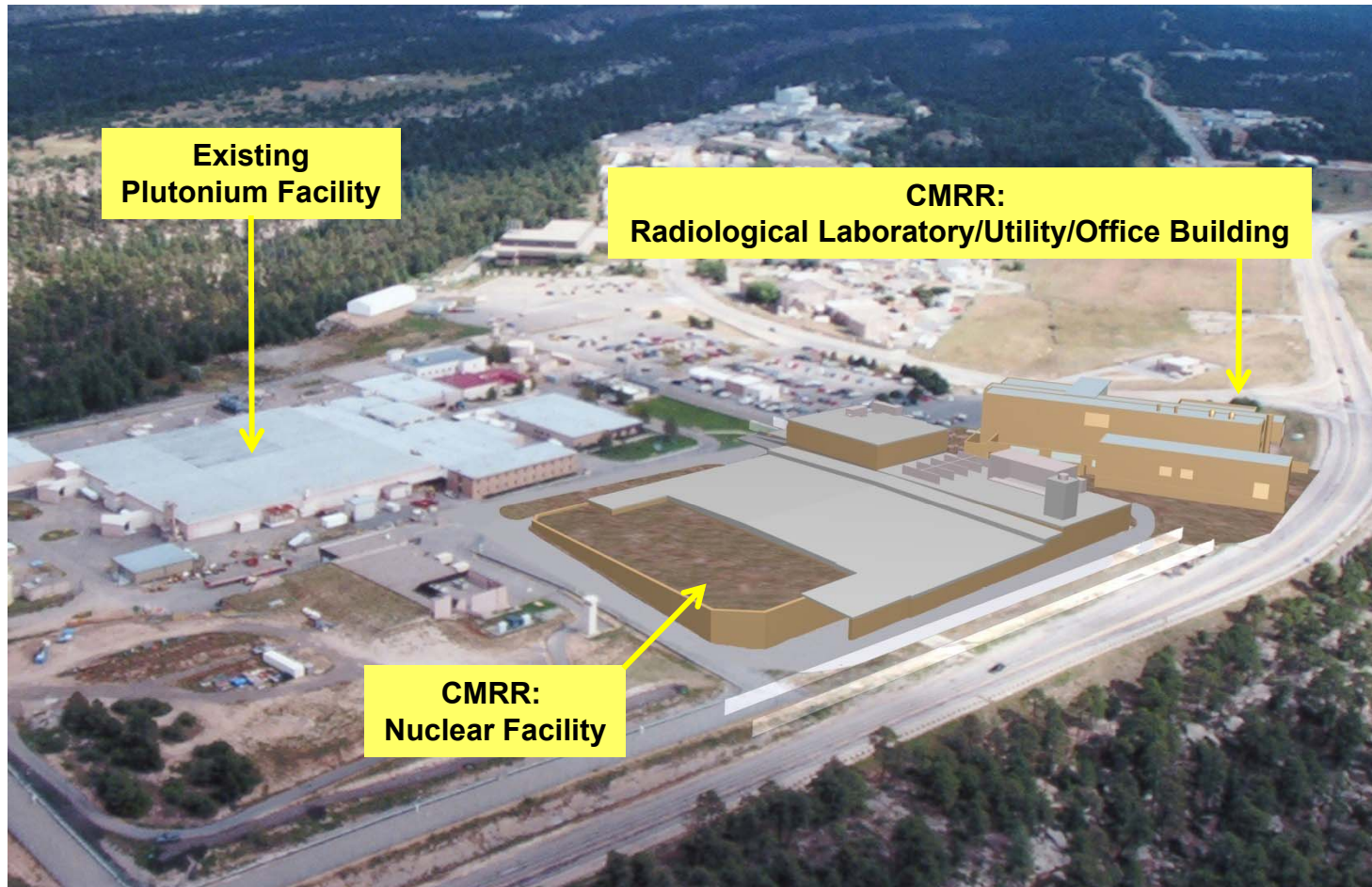


CMRR Overall Project Structure



One project on the Congressional Data Sheet – multiple efforts within NNSA/DOE.

CMRR at Technical Area-55



Project Overview

- Program Requirements – Work scope unchanged over the years (i.e., same amount of lab space and functionality of CMR capabilities)
- Budget Authority – \$97M for FY10
- President's Request – \$225M for FY11
- NNSA Headquarters Program Direction
 - Complete RLUOB within approved performance baseline – **Complete**
 - Complete REI according to performance baseline – **Ongoing/Ahead of schedule**
 - Plan for CMRR NF completion by 2020 with operations in 2022
- NF Final Design
 - Technical Safety Strategy ready for Definitive Design
 - **NNSA and DNFSB validation of nuclear safety approach**
 - Executive and Congressional support
 - Nuclear Posture Review – Expected March 2010

Program Requirements

NF shall include laboratory and research capabilities for:

- Missions assigned to LANL for Analytical Chemistry and Materials Characterization
- Special Nuclear Material long-term storage
- Capability to handle Large Vessel Handling Mission in future
- Mission support operations necessary to perform the above including, material handling, short-term storage, waste management, sample management, and sample preparation

Additional NF Design Requirements

- Laboratory spaces shall be designed to be flexible and modular to accommodate changes in mission
- Service life shall be 50 years
- Gloveboxes, hoods, and other nuclear specialty equipment shall utilize standard design platforms as much as practical

High-Level Schedule

Complete

- 2002 CMRR Critical Decision (CD)-0 (*Approve Mission Need*)
- 2004 CMRR EIS Record of Decision (ROD) 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
- 2008 NNSA Complex Transformation Supplemental EIS ROD
- 2009 CMRR REI CD-2/3 (*Approve Performance Baseline/Procurement Installation*)
- 2009 CMRR NF Safety Basis and Design Integration, and Technical Reviews
 - NNSA & DNFSB Certification Safety Issues Resolved

This Year

- 2010 CMRR RLUOB Facility (CD-4)
- 2010 Nuclear Posture Review (March)
- 2010 CMRR NF Final Design Authorization

Future Years (tentative)

- 2011 CMRR RLUOB Staff Occupancy
- 2011 NF Early Infrastructure Packages (CD-2/3)
- 2011/12 NF Basemat/Structural Packages (CD-2/3)
- 2013 CMRR RLUOB Radiological Laboratory Operations
- 2014 CMRR NF Balance of Facility (CD-2/3)
- 2020 CMRR NF Construction Complete (planning)

Radiological Laboratory/Utility/Office Building (RLUOB)

Radiological Laboratory/Utility/Office Building



- Over two million man-hours worked with no lost time accidents
- Leadership in Energy and Environmental Design (LEED) – "Silver" certification award anticipated
- FY10 NNSA Pollution Prevention Award, Best in Class for Sustainable Building
- Highest Quality Standards – Nuclear Quality Assurance (NQA-1)

RLUOB Progress Photos



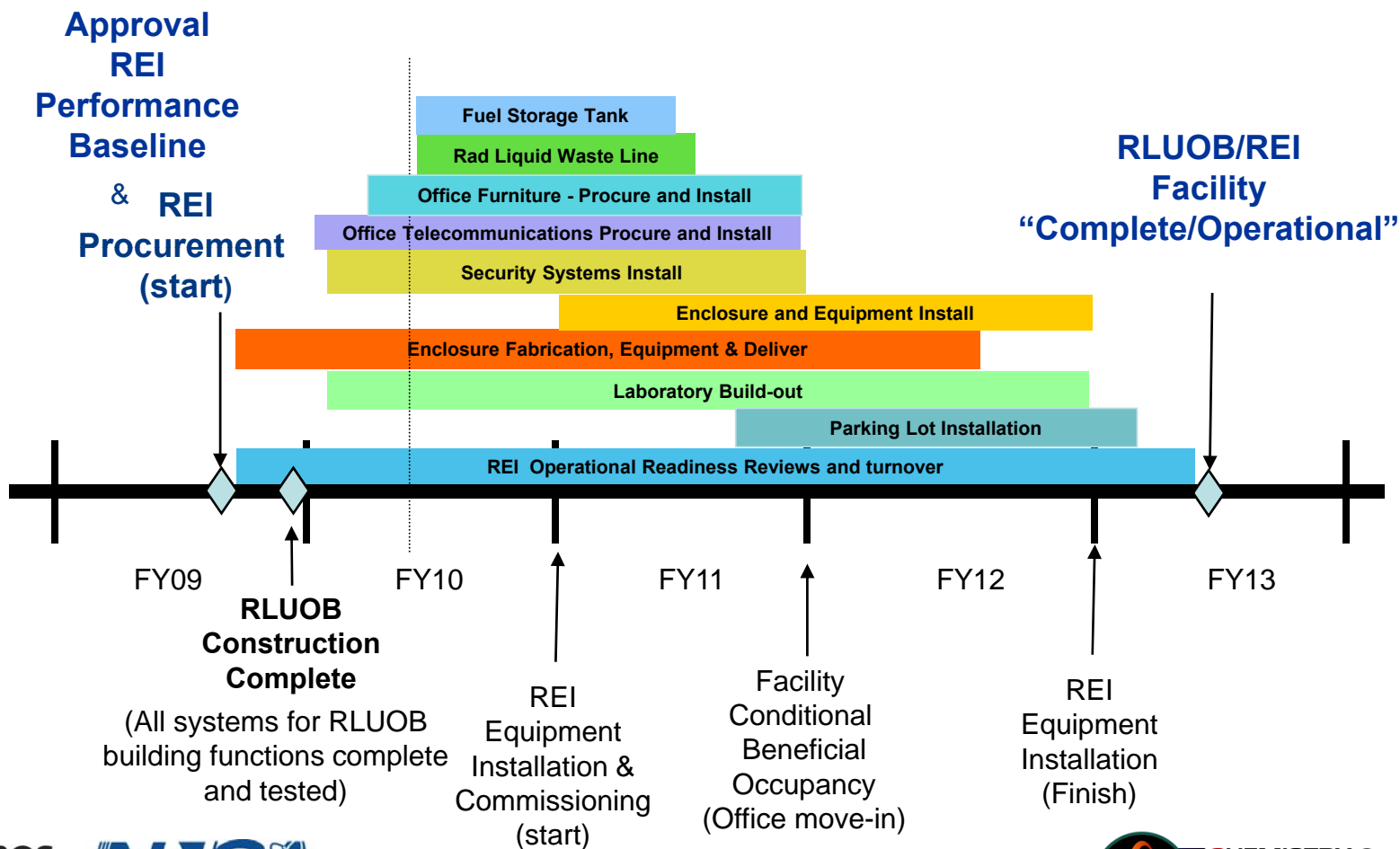
RLUOB Progress Photos



RLUOB Equipment Installation (REI)

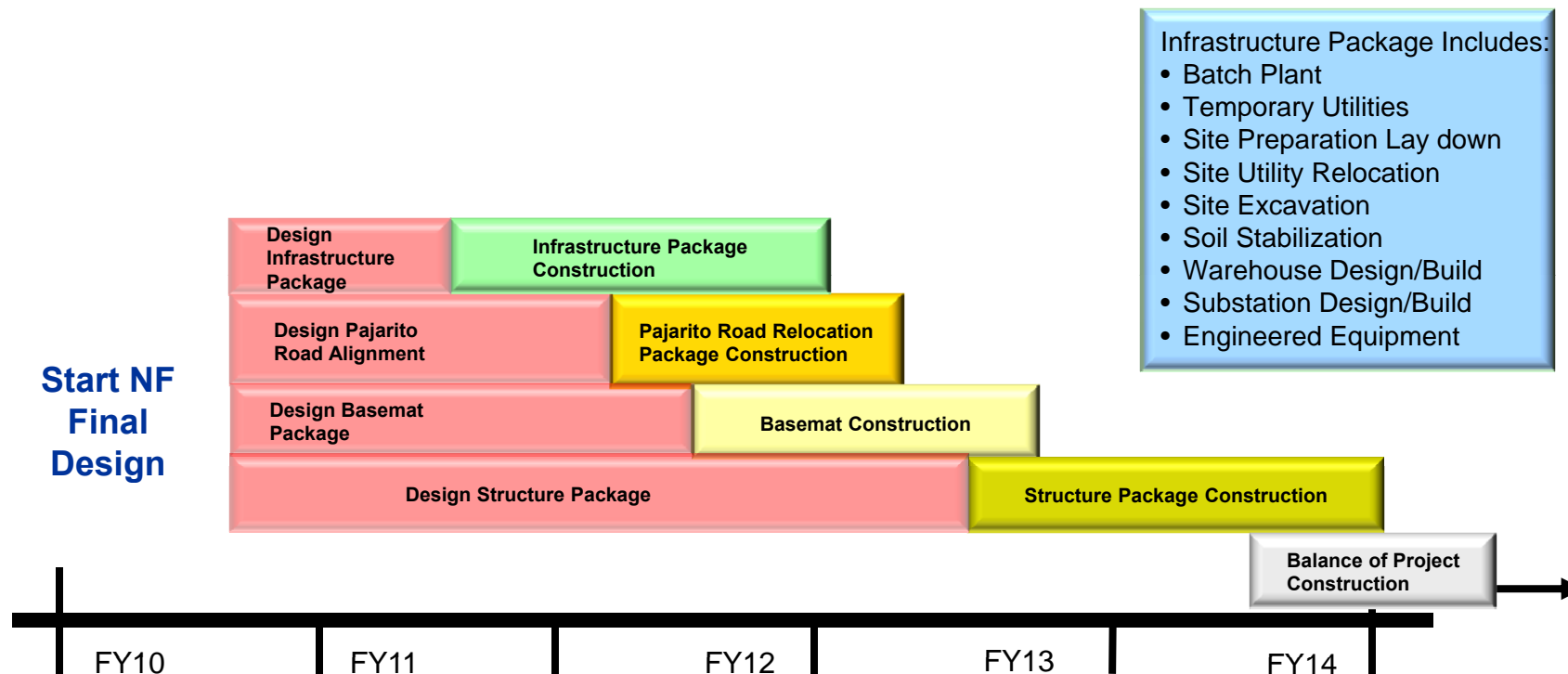
RLUOB Equipment Installation Plan

Total Project Cost = \$199.4M



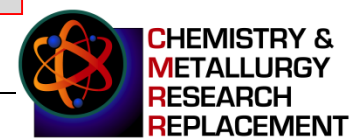
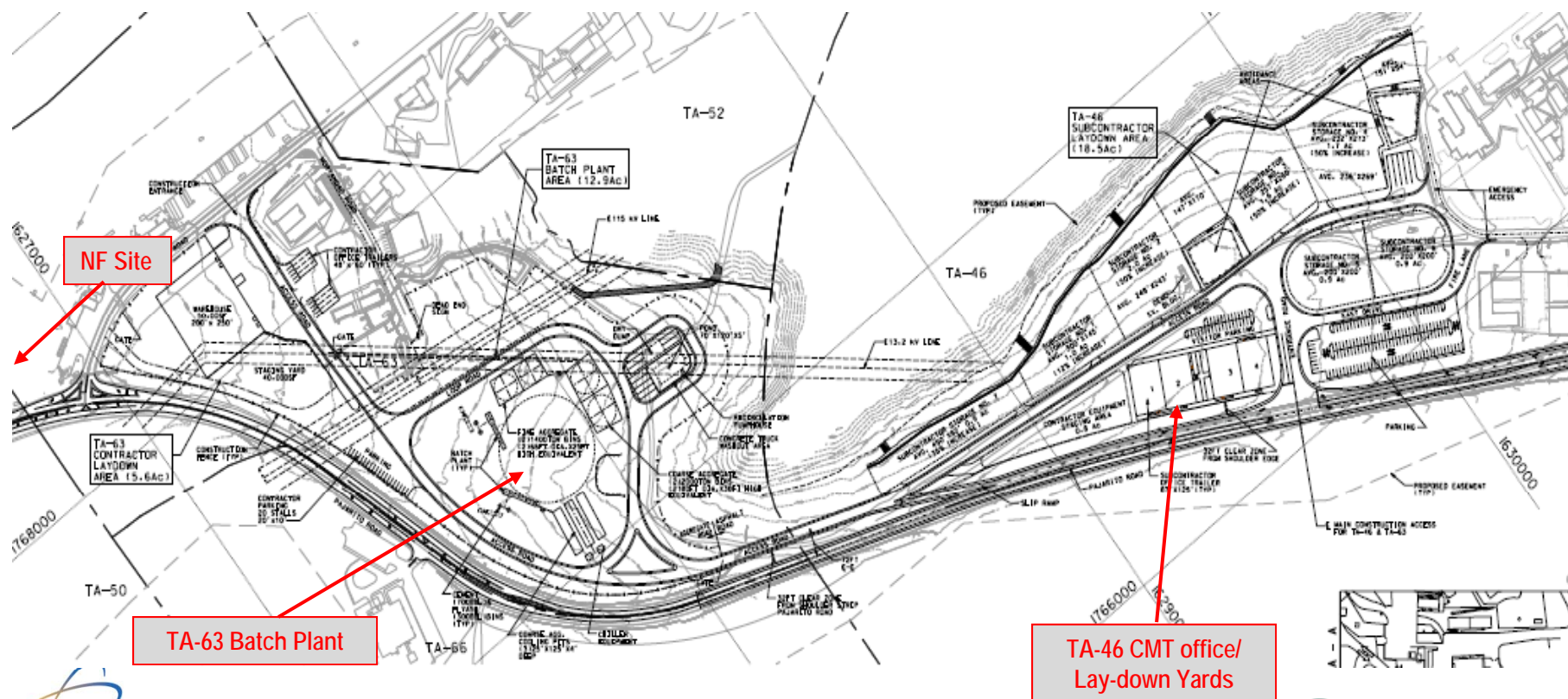
Nuclear Facility (NF)

Planned Nuclear Facility Baselines



Construction Site Infrastructure

Lay-down/fabrication yards offices will be established approximately 1 mile from the NF construction site at TA-63 and TA-46 due to lack of available space at the NF construction site.



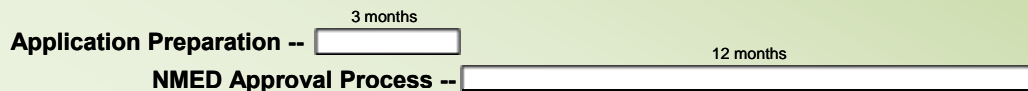
Air Quality Permit Schedule

Non-radionuclide

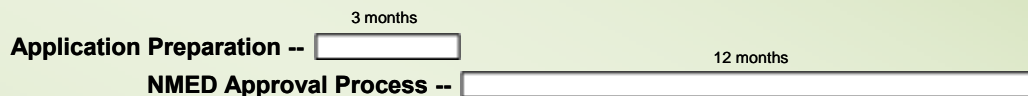
Title V Operating Permit Modification for RLUOB



New Source Review (NSR) Permit for NF (Modification to NSR-2195NR1)

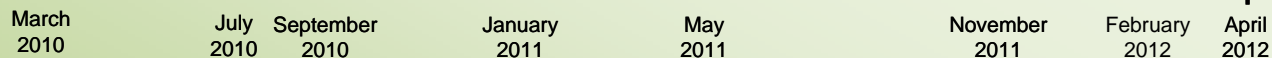


NSR Permit for Concrete Batch Plant



Radionuclide

Pre-construction Approval for NF



Nuclear Facility Start of Construction ≈ Soil Stabilization Start

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Thank you for attending.