Title: DOE Environmental Management and Newport News Nuclear BWXT Briefing - LANL's Campus Master Plan

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DOE Environmental Management and Newport News Nuclear BWXT Briefing

LANL’s Campus Master Plan

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Briefing Overview

- Campus Master Plan
  - Background
  - Vision/process/organization

- DOE EM and N3B Scope Considerations
  - CMP development
  - CMP scope
  - Opportunities for future implementation

- CMP Whiteboard Application Demonstration
Background

• Triad proposed a robust integrated planning effort during the bidding process and began this effort soon after the LANL contract transition
  – First comprehensive site plan in over 20 years
  – Establish a planning process to facilitate better site infrastructure planning for mission execution
  – Plan implements NNSA SD 430.1 – Real Property Asset Management – Facility Site Plan and planning capability

• Within months of Triad commencing this planning process, NA-LA delivered a Contracting Officer (CO) letter requiring:
  – Area Development Plan for the Pajarito Corridor delivered by end of FY19 (completed)
  – The Campus Master Plan (CMP) to be delivered by end of FY21 (completed)
CMP Vision

- Represents a fully integrated strategy for **future physical growth and redevelopment**
- Adopts a vision for **near-, mid-, and long-term planning horizons**
- Fully integrates environmental constraints considerations (e.g., NEPA etc.)
- Promotes a robust program of **new construction, decommissioning, recapitalization**, and a re-examined policy on leasing
- Based on **mission driven priorities** and provides a baseline for future infrastructure needs
- Recognizes that change is a constant and requires **flexibility, integration and an iterative approach** to campus planning
- Integrates with but **does not replace existing institutional M&O systems and processes**
- Facilitates **Federal planning and communication** for LANL
CMP Process

- Integrated approach starting at lowest level of executive management and working up
  - Inclusive and transparent process
  - Understand program drivers and identify infrastructure needs
  - Develop an integrated project list and site plan
  - Continuous process with annual reviews and updates
  - Focus on organizational concurrence/consensus

- Process/communications anchored in an Integrated Project Team (IPT) between Triad and NA-LA Landlord Stewardship Program
CMP Organization – Key Sections

- Director’s Forward
- CMP Requirement and Drivers
- Vision and Summary
- Introduction
- Planning Considerations
- Transportation
- Utilities

- NEPA Considerations (overview)
- Land Use Management
- Planning Areas (e.g., Core, Pajarito East and West, NEEWC, LANSCE, and Balance of Site)
- CMP Implementation
- Acronyms, Appendices, etc.

(Indicates sections of CMP with EM scope considerations)
CMP Organization

- The LANL campus is divided into five geographical planning areas:
  - Core Area
  - LANSCE
  - National Energetic & Engineering Weapons Campus (NEEWC)
    - Small Mid-Scale Operations
    - Support/Fabrication Operations
    - Large Scale Dynamic Testing
  - Pajarito Corridor
    - Pajarito Corridor East
    - Pajarito Corridor West
  - Balance of Site
    - Industrial Support
    - Rio Grande Corridor
    - TA-57 (Fenton Hill)
    - Lease Facilities
CMP Considerations for DOE EM and N3B scope

- Focused on considerations/constraints most relevant to infrastructure planning (project siting and timing)
  - CMP CO Letter requires consideration of Consent Order sites
  - CMP includes Consent Order site context and data layers and context
  - CMP planning process not the same as scope execution (e.g., PRID process)
  - TA-54 addressed as DOE EM footprint and separate of infrastructure planning analysis (part of Balance of Site narrative)

- Utilized existing processes for integration and communication for EM/N3B scope considerations
  - Participation in Regulatory Integration Steering Committee (RISC)
  - Participation in Triad Monthly PRS/IP Interface meetings
  - Worked closely with Triad EPC-CP subject matter experts and management throughout planning process – considered primary interface with N3B

- Maintained frequent and interactions with Federal Customers
  - Joint CMP-LSP IPT and periodic CMP process and product status briefings
CMP Considerations for DOE EM and N3B scope

• Prominently featured in CMP NEPA Considerations Section – Consent Order sites
  – Context (requirements and processes) provided in NEPA Considerations Overview Section
  – More specific consideration in NEPA Considerations sections of individual planning areas (e.g., Core, Pajarito Corridor, NEEWC, LANSCE, etc.)
    ▪ Provides cross-walk between CMP proposed “projects” and specific Consent Order sites
    ▪ Provides indication of required regulatory due diligence for proposed projects

• One of the key data layers in the CMP Whiteboard
  – Using GIS data layers for accuracy and continuity
  – Enables dynamic (real-time) planning for siting and development of potential regulatory strategies
CMP Considerations for DOE EM and N3B scope

• CMP implementation opportunities
  – Refine integrated planning process
    ▪ Continue participation in RISC and PRS/IP Interface venues
    ▪ Continue to maintain Consent Order sites as prominent feature in CMP Whiteboard application and process
    ▪ Consider adding more fidelity
      – Consent Order site status
      – Individual Permit sites
  – Identify and pursue opportunities for strategic integration with planning and scope execution
    ▪ Mechanisms in place (Triad Interface Office)
    ▪ Cross-walk EM-authorized scope with CMP infrastructure investment priorities (spatially/temporally)
    ▪ Consider CMP scope in developing candidate sites for RCRA Permit Modifications
CMP Whiteboard Application

• Facilitating CMP integrated reviews through use of “Whiteboard” application

• Moves the CMP from development into implementation (work in progress)

• Allows “real-time” coordination and updates with LANL stakeholders, planners, and SMEs
  – Physical infrastructure and associated development (e.g., buildings, utilities, roads)
  – Development context (e.g., projects, function, capability)
  – NEPA/environmental/cultural resources and Consent Order sites
  – Enables near-, mid-, and long-term planning

• Enables strategies, decision-making and institutional consensus

• Functionally integrated with other CMP tools (e.g., GIS constraints data layers, project lists)
CMP Whiteboard Application

Whiteboard Demonstration