

LA-UR-

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Title: Transuranic Waste Facility
Permit Modification Request
Public Information Meeting

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Greg Juerling, PMF-FUNCT

Intended for: Presentation for public meeting



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Title: Transuranic Waste Facility Permit Modification Request Public Information Meeting

Abstract

The document is a PowerPoint slide presentation to be presented to the public on Monday evening, June 27, 2011. The meeting is being held by LANL to meet the public information requirements of 40 CFR 124.31 addressing early information meetings before the submittal of RCRA permit modification requests to the New Mexico Environment Department for approval. The presentation introduces the proposed Transuranic Waste Facility at TA-63. The slides include meeting protocols, the function and design of the facility, and the documents and process to be used for the permit modification request. It is at a relatively general level of discussion as the subject will also be addressed in an additional, more detailed meeting when the formal public comment period is started after the permit modification submittal (July 29).

Transuranic Waste Facility Permit Modification Request

Public Information Meeting

**Hazardous Waste Facility Permit
Holiday Inn Express, Los Alamos
Monday, June 27, 2011**

Meeting Procedures

Presenter: Bruce McAllister, Meeting Facilitator

Topics and Guidelines

- The meeting focus is on permit compliance activities.
- The purpose of this meeting is to share information and status.
- The meeting is not designed to include debate about LANL's programmatic mission.
- We will be collecting questions and comments on Permit Question Cards
- We will answer as many questions as time allows.
- Any unanswered questions and suggestions will be provided to the program managers for future reference.
- If you have suggestions to improve the meeting, please use the Meeting Comment Cards

Agenda

Time	Subject	Speaker
5:30 – 5:45	Posters Meet and Greet	
5:45 – 5:55	Meeting purpose	Bruce MacAllister
5:55 – 6:15	Purpose of the Transuranic Waste Facility (TWF)	Brian Colby Program Director
6:15 – 6:35	Description of the TWF	Greg Juerling Project Manager
6:35 – 6:55	Permit Modification Request	Gian Bacigalupa RCRA Permitting
6:55 – 7:30	Question and Answer	Bruce MacAllister

General Meeting Procedures

- Please write your questions on the cards so we can collect them.
- Please identify yourself before speaking.
- Please keep your questions short and remember that others may be waiting to ask questions.
- Please honor the process by keeping questions and comments civil and by using appropriate language.
- Please yield the floor if requested by the facilitator
- Please help the participants and facilitator keep to the agenda and timeframes

New Mexico Environment Department (NMED) Approves Permits under the Resource Conservation and Recovery Act (RCRA)

- **Los Alamos National Laboratory (LANL) will request approval of a permit modification to the current Hazardous Waste Facility Permit for the proposed Transuranic Waste Facility (TWF).**
- **The permit modification request will be reviewed by the NMED for approval of construction and incorporation into the Permit.**
- **The permit modification request follows regulatory procedures, including this meeting.**
- **Seeking public comment is an important aspect of the regulatory process for review and approval of the new unit.**

End of Meeting Section

- Does anyone have questions or comments related to meeting procedures?

Transuranic Waste Facility Project

Presenter: Brian Colby, TWF Program Director

Basis for Permit Modification

- **Container storage unit to replace existing waste management units when Material Disposal Area G at TA-54 is closed in compliance with the 2005 NMED Compliance Order on Consent.**
- **Waste management capability is required to continue to process newly generated (future) TRU waste from LANL to the Waste Isolation Pilot Plant near Carlsbad, NM.**



TA-54 AREA G – Current Transuranic Waste Storage



Transuranic Waste in TA-54 Dome



TWF Provides Container Storage and Analytical Capability to Support Disposal at WIPP



Plutonium
Facility
(TA-55)



Chemistry and
Metallurgy
Research
(TA-3)



Radioactive
Liquid Waste
Treatment
Facility
(TA-50)

Off-site Source
Recovery Programs

*Generator
Intra-site
Transport to
New TWF*

Storage & Waste
Certification at
New TWF



**Scope removed from
Previous TWF Project**

- Decontamination
- Repackaging
- Size Reduction
- Loading to WIPP

Intra-site Transport to RANT

Loading at
Radio Assay
Non-destructive
Testing (RANT)
Facility



Ship To WIPP



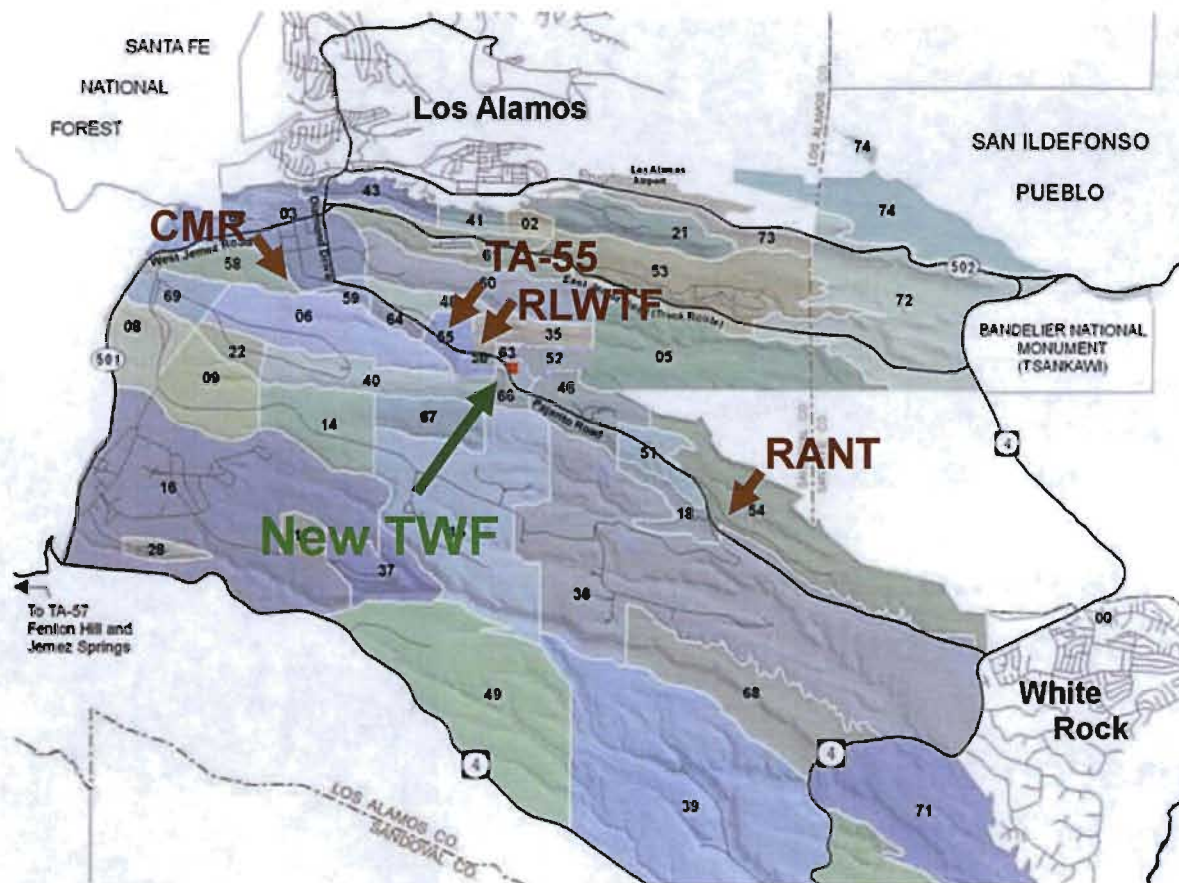
TWF Functions



- **Storage of Waste Containers in Protective, Enclosed Buildings**
- **Characterization and Certification of Containers in Trailers**



Location of New Facility at TA-63



Benefits of New Facility

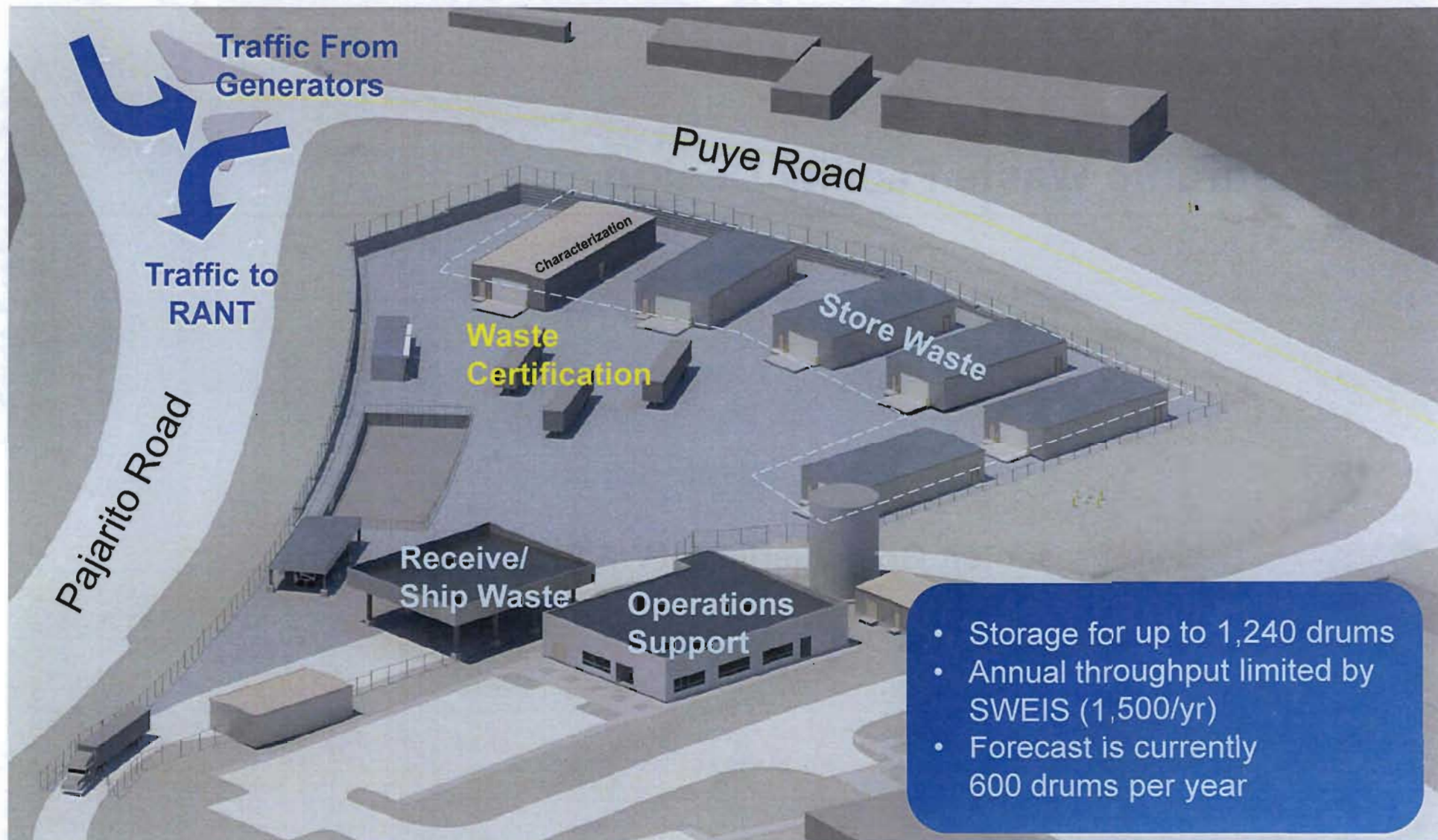
- Ends newly generated transuranic waste shipment to Area G
- Much smaller storage capacity
- Shorter transport distances from waste generating activities to storage area
- Interior site location, away from the Laboratory boundaries
- Improved protection for waste container storage.

End of TWF Project Section

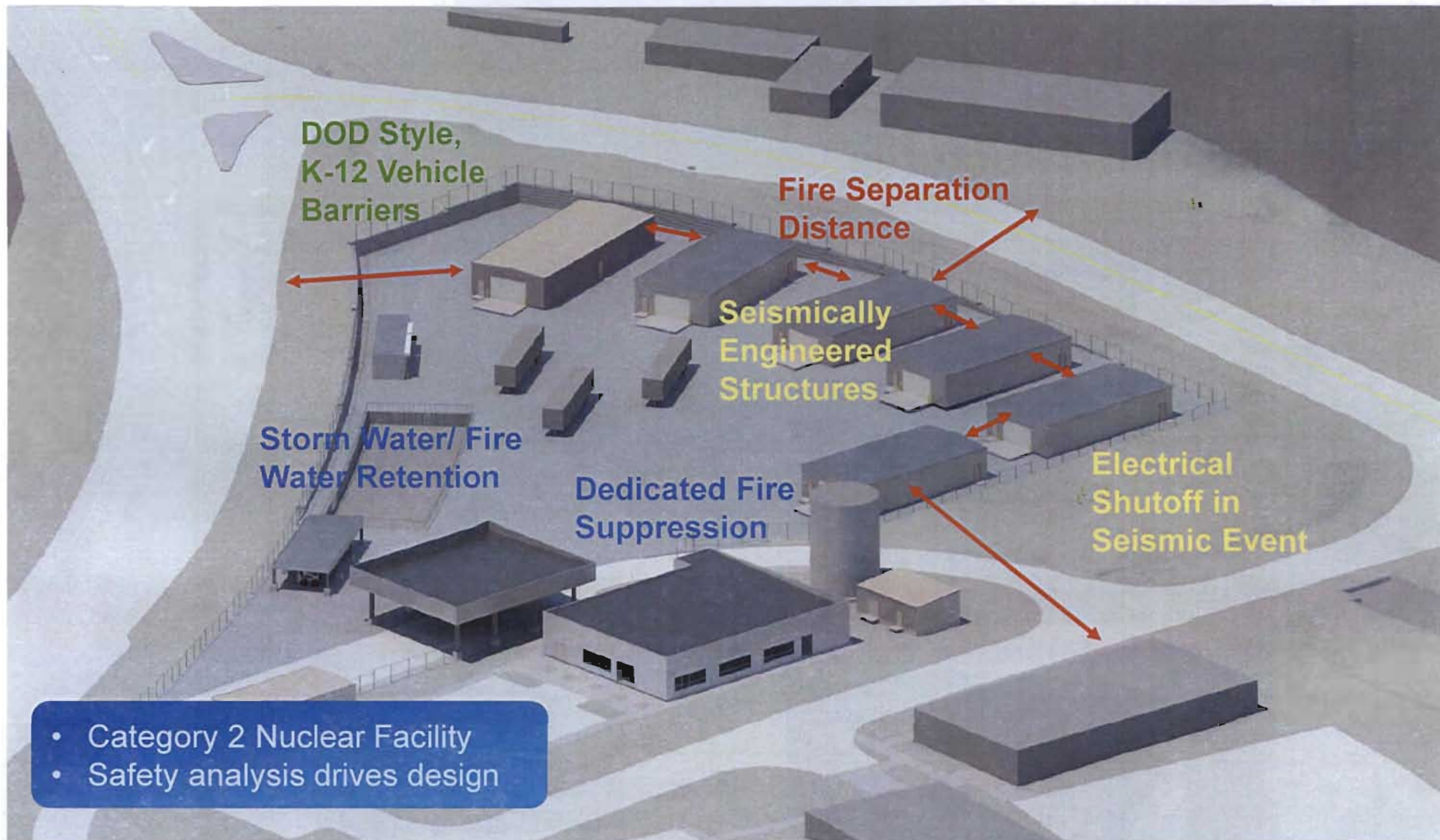
- Does anyone have questions or comments related to TWF Program purpose or functions?

Transuranic Waste Facility Design

Presenter: Greg Juerling, TWF Project Manager

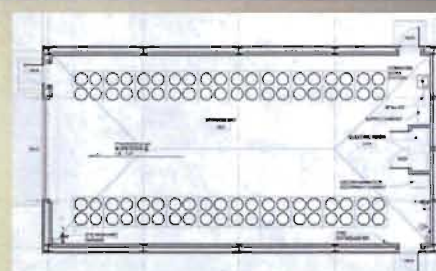
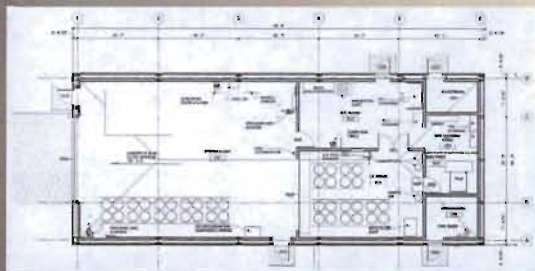
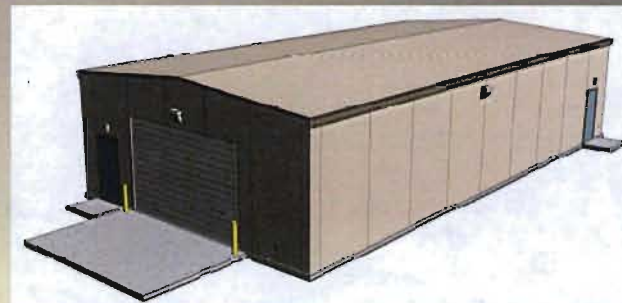
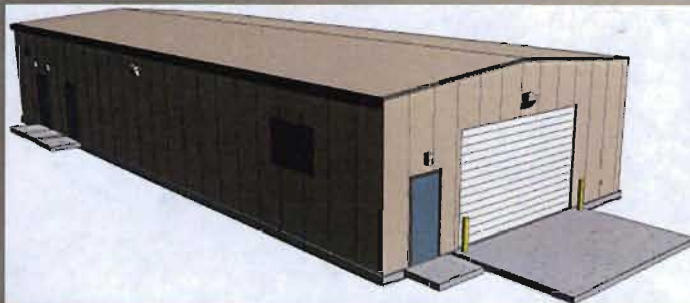


New TWF Waste Management Activities

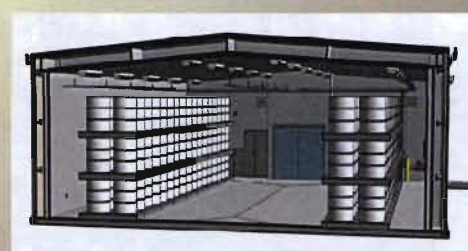


New TWF Waste Protective Features

Storage Unit Structures



STORAGE & CHARACTERIZATION BUILDING

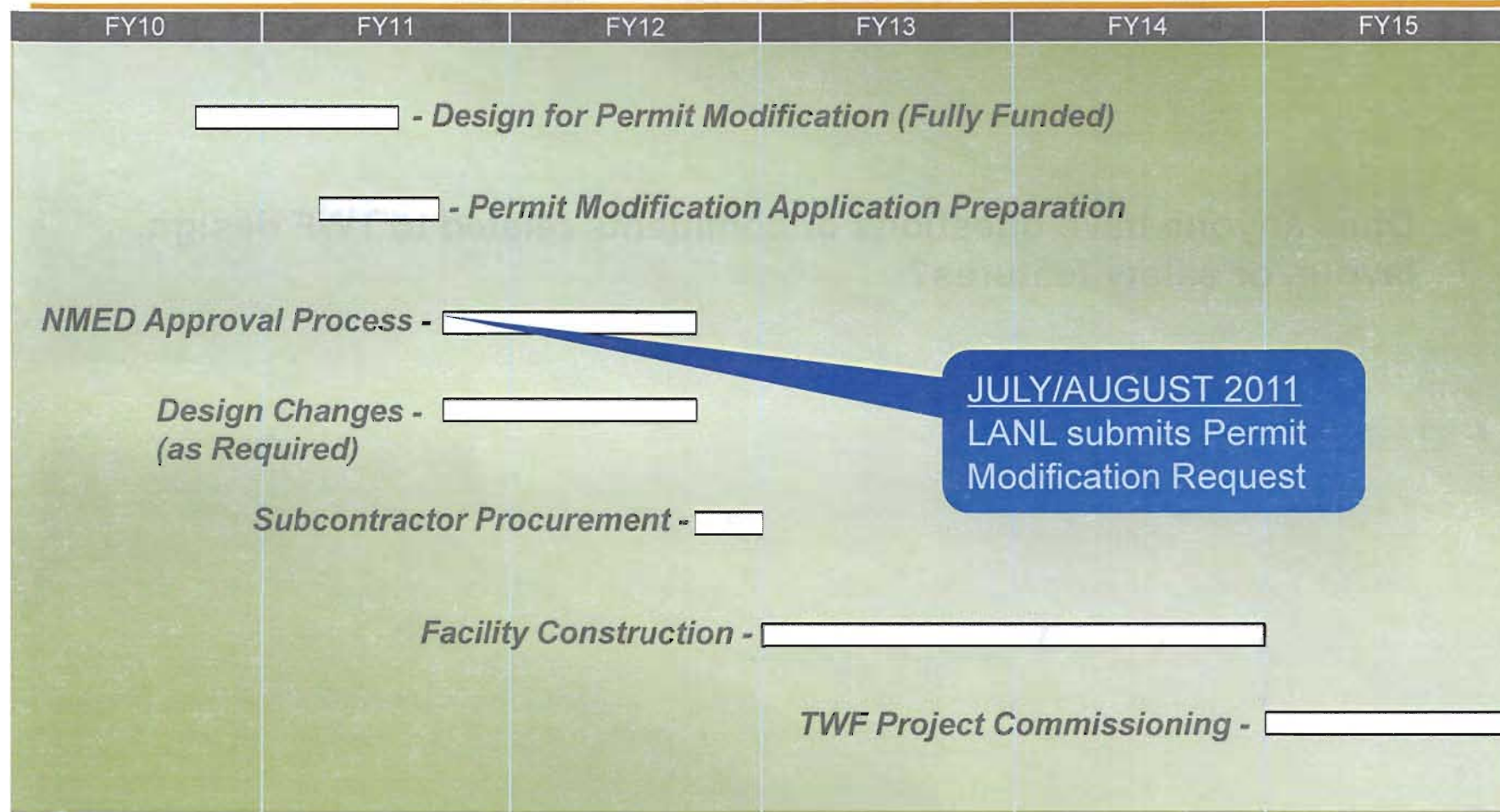


TYPICAL STORAGE BUILDING

TRANSURANIC (TRU) WASTE FACILITY



TWF Project Schedule



End of Project Design Section

- Does anyone have questions or comments related to TWF design, layout, or safety features?

Permit Modification Request

Presenter: Gian Bacigalupa, RCRA Permitting

Permit Modification Submittal Content

- Permit Modification Request
 - Descriptions and construction figures for unit structures
 - Waste management practices
 - Emergency equipment and procedures
 - Draws on current LANL Hazardous Waste Facility Permit conditions
 - Attachments (e.g., specifications, closure plan, revisions to permit pages)
 - Seismic Analysis: During 1992-1993, trenches 685m long x 2m deep were excavated across TA-63 and immediately adjacent areas. The trenches were oriented perpendicular to the north-south-striking Guaje Mountain fault, suspected of passing within 900 m of the proposed TRU Waste Facility. No evidence of Holocene faulting was observed.

Permit Modification Submittal Content (cont'd)

- Revision of current LANL Part A Permit Application incorporating the proposed new unit.
 - 1 RCRA permitted hazardous waste management unit
 - Storage capacity at new TWF is less than 2.5% of current permitted storage at Area G
 - Storage at TWF – Maximum 105,875 gallons in 55 gallon drums and other containers
- Public information meeting comments.

Class 2 Permit Modification Schedule

- **November 30, 2010.** LANL's Hazardous Waste Facility Permit was renewed with current conditions for waste management operations.
- **June 27, 2011.** Pre-submittal public information meeting for proposed new Transuranic Waste Facility Permit Modification. Please submit comments by July 1, 2011.
- **July 29, 2011.** LANL anticipates submittal of permit modification request to NMED – Hazardous Waste Bureau.
- **August 5, 2011.** 60-day public comment period for the permit modification will begin with the publishing of legal notices and mailing notice to the facility mailing list.
- **August 20 – September 19, 2011.** Range of dates for public comment meeting during comment period.
- **October 4, 2011.** Public comment period ends.

Process for Public Comments

- Submit comments during this public information meeting to be included with permit modification request submittal to NMED
- Review permit modification request and submit comments to NMED before the end of the public review and comment period after submittal (August 5 to October 4, 2011).
- Submit comments at public comment meeting during public review and comment period.
- NMED reviews and responds to public comments regarding the permit modification request.
- NMED issues final decision.

Contacts for Public Comment Submittal

- Tonight: Written comments may be given to the meeting facilitators or sent to Lorrie Bonds-Lopez, envoutreach@lanl.gov, or at Environmental Outreach and Public Involvement, Los Alamos National Laboratory, P.O. Box 1663, MS M996, Los Alamos, NM 87545 by July 1, 2011.
- Copies of the proposed permit modification will be available for public review after the July 29, 2011 submittal at:
 - Hazardous Waste Bureau, New Mexico Environment Department, 2905 Rodeo Park Drive East, Building 1, Santa Fe, New Mexico 87505-6303
 - J. Robert Oppenheimer Study Center and Research Library, 4200 West Jemez Road at Casa Grande, Los Alamos, NM 87545
 - <http://epr.lanl.gov/>
- To comment or request a public hearing after the submittal:
 - John E. Kieling, Permits Management Program Leader, NMED-HWB at (505) 428-2500 or john.kieling@state.nm.us

End of TWF Permit Modification Request Section

- Does anyone have questions or comments related to permit modification request contents, procedures, or schedule?

Final Questions and Comments

Presenter: Bruce McAllister, Facilitator