

**08-D-701, Nuclear Materials Safeguards and Security Upgrades Project (NMSSUP) Phase II,
Los Alamos National Laboratory (LANL), Los Alamos, New Mexico
Project Data Sheet is for Construction**

Mello Aff #2, Par 7

1. Significant Changes

The most recent DOE O 413.3A approved Critical Decisions (CD) is CD-3B Approve Start of Construction that was approved on December 16, 2009 with a Total Project Cost (TPC) of \$245,166,000 and CD-4 of January 2013.

A Federal Project Director at the appropriate level has been assigned to this project.

This PDS is an update of FY 2009 PDS. The performance baseline scope does not include the Technical Area Isolation Zone and the Airborne Mitigation System. These two items that were included in the preliminary scope were found to be no longer essential.

2. Design, Construction, and D&D Schedule

(fiscal quarter or date)

	CD-0	CD-1	PED Complete	CD-2	CD-3	CD-4	D&D Start	D&D Complete
FY 2008	4QFY2002	2QFY2007	1QFY2008	1QFY2008	2QFY2008	3QFY2012	N/A	N/A
FY 2009	4QFY2003	1QFY2007	1QFY2008	2QFY2008	4QFY2008	4QFY2011	N/A	N/A
FY 2011	08/25/2003	05/30/2008	09/30/2009	06/23/2009	06/23/2009	2QFY2013	N/A	N/A

CD-0 – Approve Mission Need

CD-1 – Approve Alternative Selection and Cost Range

CD-2 – Approve Performance Baseline

CD-3 – Approve Start of Construction

CD-4 – Approve Start of Operations or Project Closeout

D&D Start – Start of Demolition & Decontamination (D&D) work

D&D Complete – Completion of D&D work

	CD-3A	CD-3B
FY 2009	06/23/2009	
FY 2010		12/16/2009

3. Baseline and Validation Status

(dollars in thousands)

	TEC, PED	TEC, Construction	TEC, Total	OPC Except D&D	OPC, D&D	OPC, Total	TPC
FY 2008			214,755	25,245	N/A		240,000
FY 2009	43,094	170,715	213,809	25,245	N/A	25,245	239,054 ^a
FY 2011	43,094	176,822	219,916	25,250	N/A	25,250	245,166

^a The FY 2008 appropriated funding was reduced based on the rescission of 0.91 percent (\$71,000) and use of prior year balances from construction projects (\$82,000) in accordance with the FY 2008 Consolidated Appropriations Act, (P.L. 110-161).

4. Project Description, Justification, and Scope

Project Description

The project is being conducted in accordance with the project management requirements in DOE O 413.3A and DOE M 413.3-1, Program and Project Management for the Acquisition of Capital Assets, and all appropriate project management requirements have been met.

The Nuclear Materials Safeguards and Security Upgrades Project (NMSSUP) Phase II will support the viability of stockpile management and other current missions carried out in Technical Area (TA)-55 at the Los Alamos National Laboratory (LANL) by providing an effective, robust physical security system to address the core essential physical security systems, protection strategies, and security requirements.

The LANL nuclear missions, as they currently exist and as they are planned in the future, require a reliable safeguards and security system to assure the protection and control of special nuclear materials (SNM), classified matter, and NNSA property. The nuclear materials operation at TA-55 involves the ability to securely store, move, process, and track nuclear materials that are attractive to the adversaries both in terms of the quantity of materials and the forms. The NMSSUP Phase II project plays a key role in the support of this mission by replacing or improving the aging exterior physical security systems and installing enhanced systems to support a new protection strategy for the TA-55 site.

The primary components of the project include, at a minimum:

- Perimeter Intrusion Detection, Assessment, and Delay System (PIDADS)
- East Vehicle and Pedestrian Entry Control Facility (ECF)
- Utility Infrastructure (to support the items above)
- West Vehicle Access (WVA)