

Mello Aff #2, Par 15, "LANL Comprehensive Site Plan 2000"

6. Revitalization Strategies – Four Primary Areas

Revitalization of physical facilities focuses on four primary areas of the Laboratory. A brief discussion of revitalization needs for each area follows.

Experimental Engineering Planning Area: This area of the Laboratory constitutes the heart of the Hydrodynamic Test Program. DX and ESA Divisions are working together on the development of upgraded facilities for high explosives (HE) handling/processing/assembly, etc. The science based stockpile stewardship (SBSS) and stockpile management (SM) programs cover this work. DP-1, The Assistant Secretary for Defense Programs, must support the activities at these sites.

Core Planning Area: The Strategic Computing Complex (SCC) is the very heart of the SBSS mission and must be supported by DP-1. In the future, this capability will be critical for Bioscience and other leading-edge research at Los Alamos.

LANSCAPE Planning Area: LANSCAPE is the main driver for the Proton Radiography (P-RAD) program at the Laboratory, See Figure IV-2. It is one of the two main components of the Laboratory's integrated strategy. LANSCAPE hosts multi- and mixed-program, multiorganizational activities. The various groups that occupy and use the site must integrate their facility needs to accomplish their individual missions. There is a critical need for both classified and unclassified laboratory and office space by all occupants at the site.

Pajarito Corridor West Planning Area: This site is primarily a nuclear stockpile management (SM) and materials disposition (MD) site. The site is indispensable for SBSS.

Figure IV-2: LANSCAPE Facility



7. The Proposed Advanced Hydrotect Facility (AHF) Includes the Following Components

DARHT will need a major assembly support building with the capability to handle very large containment/confinement vessels for various hydrodynamic shots and dynamic experiments. Large radiographic capabilities that can do static radiography on "full-up" assemblies is also needed (See Figure IV-3).

TA-53 - PRISM/Proton Radiography Facility needs the same capability or a way to share this capability.

Advanced Hydrotect Facility (AHF) support from TA-55 is essential for the program at DARHT or PRISM. There is a programmatic need justifying the replication of at least three modules of PF-4 as being driven by the need to support the AHF Program for SBSS by DP-10 and DP-20 needs. This facility is very important to the SBSS Program, and will need support at the highest levels of DOE and the Congress.