

-----Original Message-----

**From:** isaacson@lanl.gov [mailto:isaacson@lanl.gov]

**Sent:** Wednesday, November 02, 2005 4:58 PM

**To:** KIRK.W.OWENS@saic.com

**Cc:** Susan Radzinski

**Subject:** 115KV substation on Pajarito Rd. with map.

## **1.8 Project Description**

### **1.8.1 Objectives/Missions Need**

Provide reliable and independent power sources for the CMRR and TA-55 Plutonium Complex.

NOTE: A SITE MAP FROM SSMO WILL BE AVAILABLE AS AN ATTACHMENT EVENTUALLY. MEANWHILE FOR SITE INFORMATION CONTACT EMILIO RACINEZ (665-3751, pager: 996 0788, eracinez@lanl.gov).

### **1.8.2 Scope of Activities**

Construction of a 115 KV Substation on the existing 115 KV `TE` transmission line Right-Of-Way below the transmission line and construction of an underground duct under Pajarito Road.

The project will utilize standard utilities industry equipment and technology. Major equipment to be purchased are 50 MVA transformer, SF6 Circuit Breakers, Vertical Switches, and ring bus materials.

### **1.8.3 Approach**

Method of accomplishment will be through a Design-Build Contractor:

START COMPLETE

Project Authorization 10-1-05 11-30-05

Engineering Study 12-1-05 2-30-06

Solicitation: 3-1-06 5-30-06

Design: 6-1-06 8-30-06

Construction: 9-30-06 12-21-07

### **1.8.4 Project Schedule**

Anticipated project start date: **6-1-06**

Estimated project completion date: **12-21-07**

Current Phase of Project (Large Project > \$500K): **Pre-Project/Pre-Conceptual Planning (PP)**











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## NEW 115/13.2 KV SUBSTATION @ TA-50

Legend

 Buildings	 Communication
 Proposed building	 Sewer
 Water	 Electric
 Clean	 Natural gas
 Storm drain	 Rail work

Project info:  
Requestor: E. RACINEZ, FM-UI  
FMU#8, D. PADILLA  
OCTOBER 31, 2005  
SM# 6492  
PR-ID# 05-0205  
PID# N/A

SITE PLANNING AND PROJECT INITIATION  
Security and Facility Operations Directorate  
Kirt Anderson, 5-2335

0 200  
Feet

