



Conduct of Engineering Request for Variance or Alternate Method

Assigned by SMPO or SMPOR: [] Alternate Method [X] Variance Tracking number VAR- 2011-089

1.0 Affected Document(s)

Engineering Processes (e.g., P 341) []
Engineering Standards (e.g., P 342) [X]
Engineering Training & Qualification (e.g., P 343) []
Subordinate (Functional Series) document if applicable (ESM Chapter, Master Spec, AP, etc.):
Document Title/Number: ESM Chapter 9, Security
Revision: 2, (1/26/2011)

Section/Para
5.3 Barriers, Para C. (Fencing) #s 3, 12, 13, and 17 (regarding LANL Master Specifications for Chain Link Fences and Gates).
Specific Requirement(s) as Written in the Document(s)
Per DOE M 470.4-2A Limited Area (LA) Fencing called out to be a minimum height of 7 feet and topped by three or more strands of barbed wire mounted on single or double outriggers.

2.0 Request

Brief descriptive title:
Limited Area Fencing Requirement Reduction

NCR required (work has occurred)? [] Yes [X] No If Yes, NCR Number n/a
TA-Bldg-(Room) and/or Project Affected
Labwide including the TA-03 SM-43 D&D and TA-3 Access Controls Redesign projects
System/Component Affected
Security Barriers (Fencing)

Proposal
Follow the requirements of NAP 70.2 Physical Protection, which defines a Limited Area fence to be a minimum height of 6 ft. and which excludes the need for topping the fence with barbed wire or coil toppings on outriggers. NAP 70.2 canceled DOE M 470.4-2A Physical Protection Manual and has been accepted into the Contract Performance requirements for LANS LLC.

Justification/Compensatory Measures
This change will eliminate the costs associated of designing and installing a LA fence with the outriggers topped with barbed wire and/or barbed tape coil.

Duration of Request: lifetime Start Date: End Date: [X] Lifetime
Requestor James Young Z Number 191036 Organization SS-1 Signature "Signature on file" Date 5/31/11
USQD/USID required (Nucl. High/Mod Hazard)? [] Yes [X] No If Yes, USQD/USID Number
Design Authority Representative N/A Z Number Organization Signature Date
LANL Owning Manager (FOD or Programmatic) N/A Z Number Organization Signature Date

3.0 Safety Management Program Owner (SMPO) Representative (SMPOR/POC)

[] Decline [] Accept [X] Accept Labwide [] with Modification:
POC Robert L. Gonzales Z Number 085067 Signature "Signature on file" Date 5/31/11

4.0 Additional Approval for P341 and APs; P342, ESM, Code, and Regulation Matters; and P343

[] Accepted [] Accepted with comments [] Declined
Comments:

Safety or Security Management Program Owner Michael A. Lansing	Z Number 232719	Signature "Signature on file"	Date 5/31/11