

Exhibit B



**DEPARTMENT OF ENERGY
NATIONAL NUCLEAR SECURITY ADMINISTRATION
LOS ALAMOS SITE OFFICE**

**CONFORMED AS OF DECEMBER 9, 2010
FY 2011 PERFORMANCE EVALUATION PLAN**

FOR THE

LOS ALAMOS NATIONAL SECURITY, LLC'S

MANAGEMENT AND OPERATION

OF THE

LOS ALAMOS NATIONAL LABORATORY

CONTRACT No. DE-AC52-06NA25396

PERFORMANCE PERIOD

OCTOBER 1, 2010 THROUGH SEPTEMBER 30, 2011

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May be exempt from public release under the Freedom of Information Act (5 U.S.C 552), exemption number and category:

Predecisional Information _____

Department of Energy review required before public release

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2. Initiate an effort to acquire and utilize Pu-242 to conduct small scale R&D in radiological facilities. *(Strategy 11.1)*
3. Develop a practical mechanism to ensure that TA-55 adequately supports plutonium and actinide science. *(Strategy 10.1)*
4. Maintain an institutional priority for plutonium science in the LDRD program. *(Strategy 9.1)*

Goal 3 – Increase workforce strength.

1. Develop an outline for updating the plutonium handbook, and an assessment of what resources (personnel and funding) it would take to complete the update. *(Strategy 13.1)*
2. Establish a baseline for plutonium and actinide science and engineering publications, and develop a mechanism for future year tracking. *(Strategy 13.1)*
3. Establish a technical working group series in plutonium and actinide science. *(Strategy 14.1)*
4. Host an external visiting scholar in plutonium or actinide science. *(Strategy 14.1)*
5. Develop a plutonium/actinide science visitor program and host four external lectures as part of the Seaborg lecture series. *(Strategy 14.1)*
6. Offer three “Plutonium Topics” summer lecture series as part of the Materials Science Summer Student Lecture series. *(Strategy 14.2)*
7. Complete a plutonium workforce gap analysis which identifies technical areas for focused recruitment. *(Strategy 14.2)*
8. Offer at least three summer Internships for targeted graduate students in plutonium science via the Seaborg Institute. *(Strategy 14.2)*

Completion Target:

This measure has been satisfied when the Contractor has completed the three goals and submitted summary reports demonstrating achievement by September 30, 2011.

Deliverables:

1. A summary report demonstrating completion of the actions taken in FY 2010 and FY 2011 to rejuvenate and strengthen plutonium science, to develop a practical mechanism for conducting plutonium science in PF-4.
2. A summary report demonstrating completion of actions taken in FY 2010 and FY 2011 to recapitalize the scientific infrastructure and establish the capability for casting alpha phase plutonium, and conducting small-scale R&D in radiological facilities using Pu-242.
3. A summary report demonstrating completion of the actions taken in FY 2010 and FY 2011 to increase workforce strength through visiting scholars, summer schools, working groups, new awards, etc.
4. A summary report demonstrating completion of the actions undertaken in FY 2010 and FY 2011 addressing areas of substantial collaboration with LLNL and external entities, onsite and remotely.
5. Provide deliverable updates to LASO at quarterly meetings and semi-annual updates to NNSA/DOE HQ.

Measure 18.3 Delivery of CMRR and NMSSUP II
(Award Term)

Expectation Statement:

LANS will accelerate and/or complete key Nuclear Materials Safeguards and Security Upgrades (NMSSUP) Phase II and CMRR milestones as well as integration and planning of the Pajarito Road corridor.

Completion Target:

This measure has been achieved when the Contractor has by September 30, 2011:

A. NMSSUP2

1. All Physical Construction is complete and accepted for the following subprojects: Utility Trunk, Utility Building and SWDS; North PIDADS; South PIDAS Enhancements and West Vehicle Access
 - Site conditions are returned to the desired endstate and associated temporary facilities, security compensatory measures, and construction impacts have been removed/remediated for the WVA.
 - Associated transition to Operations and Systems startup activities are complete and the security systems are operational for the WVA, UT/UB, and SWDS.

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- Training requirements have been met and sufficient operators are in place. The MSA/AVCO will not be completed for the South PIDAS Enhancements.
 - Sector 7, 17, and transitions physical construction are complete.
2. Entry Control Facilities sub-project is well underway.
- All GFE equipment has been procured and delivered.
 - Associated PIDADS physical construction complete
 - Achieve at least a three (3) month Early Finish acceleration of the baseline ECF schedule activities (measured against the baseline as of September 20, 2011).

B. CMRR

- Actions necessary to support S-EIS alternatives development and position for infrastructure execution.
- Nuclear Facility design achieve planned maturity and schedule goals.
- Demonstrate acceleration of the RLUOB REI scheduled completion from FY 2013 to FY 2012.

Assumptions Specific to This Measure:

- CMRR provides project documentation to support a draft CMRR S-EIS for public review and final CMRR S-EIS..
- Transition sectors are assumed to be part of the associated NMSSUP2 subproject effort.
- CMRR interface points do not change/interfere with South PIDAS enhancements.

**Measure 18.4 Reduce Site Nuclear Safety and Worker Safety Risks
 (Award Term)**

Expectation Statement:

Address longstanding safety issues and demonstrate improvement on the following: Plutonium Facility seismic safety; nuclear facility safety bases and controls; work planning and work control.

Completion Target:

This Measure has been achieved when LANS has completed the following by September 30, 2011:

- A. 1. Addressed DNFSB Recommendation 09-2, *Los Alamos National Laboratory Plutonium Facility Seismic Safety*, by completing LANS FY 2011 commitments, described in 09-2 Implementation Plan, as transmitted to the DNFSB on July 13, 2010, by September 30, 2011.
- A. 2. Submitted FY 2011 annual updates as defined in a NNSA concurred list, submitted final Implementation Plans, as required, within 30 days of NNSA approval and (as scheduled in the Implementation Plan) implemented annual updates to documented safety analyses (DSAs) and technical safety requirements (TSR). Active management of annual DSA update submittals and implementation of the approved updates will be used to demonstrate that the annual update process required by 10 CFR 830, *Nuclear Safety Management*, is implemented at the Los Alamos National Laboratory.
- B. Improve activity-level work planning and work control for research and development activities, as well as other activities, as evidenced by:
- Executing upon the *Moderate Hazard Research & Development Safety Improvements at Los Alamos National Laboratory Integrated Project Execution Plan*, dated April 15, 2010.
 - Achieve a satisfactory rating from a federal work planning and work control assessment, anticipated for the fourth quarter of FY 2011, with no major issues identified.

Deliverables:

1. Evidence demonstrating completion of each LANS deliverable from the in 09-2 Implementation Plan commitment list.
2. Evidence demonstrating completion of each safety basis annual update submittal; the NNSA acceptance action ; the implementation verification review (IVR) report or an implementation status report, demonstrating implementation is on schedule if implementation is not completed if required.
3. Evidence demonstrating completion of the actions taken in FY 2010 and FY 2011 to improve activity-level work planning and work control; the LANS effectiveness reviews and follow-up reviews that demonstrate that the improvements are implemented and sustained; the federal assessment, constituting federal acceptance of these improvements with no major issues identified.