

Los Alamos National Laboratory
&
Livermore National Laboratory
Pu Sustainment Monthly Program Review

October 2011

(b) (6), Program Director
Integrated Program Management

Program Summary Overview for October:

- The FY11 Year End Review was held at LANL on October 19th – 20th.
- NNSA 123.1, LASO, LLNL and LANL signed the FY12 PEP for Pu Sustainment.
- The LANL monthly spend rate was within the CR budget constraints for October.
- Ongoing activities are underway to resolve legacy LANL commitments.

October Accomplishments:

LANL - Pit Manufacturing

Technical Progress:

- Resolved the NCR for (b) (7)(F) and have re-started assembly activities
- (b) (5), (b) (7)(F)

Equipment Installation and Upgrades:

- Evaluation of the condition of the (b) (7)(F) was initiated. No insurmountable issues have been identified.
- (b) (7)(F) upgrade has started. Procurement of subcomponents, such as the ML-2 boots, was submitted.
- Surface preparation cold testing continued. Procurement of final replacement components was submitted.
- Completion of current engineering and cold testing tasks for the Pu foundry upgrades continued. The objective is to place the package into a state by January that will enable resumption upon availability of funding to complete Phase 1.

Issues:

- Product acceptance support will be available on a limited basis, as efforts have been diverted to support urgent detonators delivery dates. Therefore, Diamond stamping may occur in January.

BCRs:

- No BCR's for October. The baseline is expected to be set in November.

LANL - Gemini

Technical Progress:

- Evaluation of the 1st casting was completed (density measurement and visual inspection)
- Backup Precitech lathe was delivered to LANL
- Progress continues on tooling and classified machining activities

Issues:

- (b) (7)(F) had a density that was high. However, heat treatment is planned to bring the density within specification.

BCRs:

- No BCR's for October. The baseline is expected to be set in November.

LANL - Power Supply

Technical Progress:

- Radiography of the four items discovered two failed bottom welds, which caused the two items to be rejected. The repackaging and re-welding was completed week of 10/31
- (b) (7)(F)
- The (b) (7)(F) closeout and readiness preparation was finalized and closed the week of 10/24
- (b) (7)(F)
- (b) (7)(F)

Equipment:

- Power Supply Assembly Area (PSAA) – Review of final design for start of construction
- (b) (7)(F)
- Chemical Glovebox – Review final design for start of construction.

Issues:

- None

BCRs:

- No BCR's for October. The baseline is expected to be set in November.

LLNL

- (b) (7)(F)
- Legacy System IPT met with LLNL DA to determine inspection requirements using the (b) (7)(F)
- (b) (7)(F)
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- Cold testing of the power pallet continued and initial test of the limited volume water cooling system started.
- Continued fabrication and installation of the remaining electrical chassis for furnace. These electrical chassis will be completed and connected the first quarter of FY12.

Issues:

- None

FY12 Level 2 Milestones DSW – Pu Sustainment

Performance chart's are scheduled for inclusion in the November report and will include October costs for the following areas:

- Pu Sustainment – Overall Performance Chart
- Pu Sustainment – IWBS Level 5
- Pu Sustainment – Pit Production & Development Chart
- Pu Sustainment – Power Chart

Assessment of variances charts will be provided in the November report.

Coming Attractions November:

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15 SNL Interns (b) (3)	16 SNL Interns (b) (3)	17 SNL Interns	18	19	20
21	22	23	24 LAB CLOSED	25 LAB CLOSED	26	27
28	29	30				

Coming Attractions December:

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
			1 ICBM officer Class	2	3	4
5	6	7	8	9	10	11
12	13 SNL Interns	14 SNL Interns	15 SNL Interns	16	17	18
19	20	21	22	23	24	25
26 LAB CLOSED	27 LAB CLOSED	28 LAB CLOSED	29 LAB CLOSED	30 LAB CLOSED	31	