

***Pu Sustainment
Monthly Program Review***

**Monthly Management Review
June, 2011**

(b) (6)

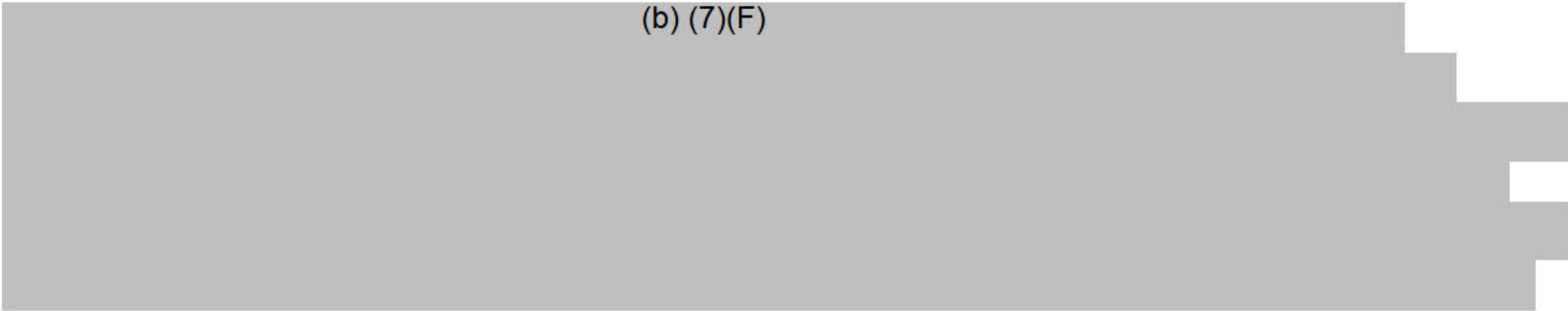
, Program Director

Integrated Program Management, IPM-2

June Accomplishments

- **Engineering support resolved a brazing issue that facilitated acceptance of** (b) (7)(F)
- (b) (7)(F) (b) (7)(F)
- (b) (7)(F) **was used to successfully machine plutonium.** (b) (7)(F)
- **Furnace operations have been restored. Corrective maintenance replaced nearly 100 separate components and provided updated schematic drawings for the controllers that had failed.** (b) (7)(F)
- (b) (7)(F) **Solid progress is being made on process development for both** (b) (7)(F)

June Accomplishments (cont)

- (b) (7)(F)

- Installation of utilities for the Modern Foundry has progressed with completion of some activities:
 - Grounding conduit and cableways was completed and approximately 80% of the electrical power wiring is installed and terminated in panels and distributed to the control racks and gloveboxes. Input and Output signal cabling is 50% completed.
 - Plant water and limited water cooling lines are plumbed to the induction glovebox.
 - The initial test of the vacuum system for the feed furnace on the induction glovebox started.

June Accomplishments (cont)

- Two of three set of (b) (7)(F) have been completed and are awaiting analysis.

- (b) (7)(F)

Issues/Changes/Coming Attractions

■ New or remaining issues

- Electrical installation by MUSD on the cold installation of the modern foundry is currently scheduled to be completed by July 15, 2011 but the long installation has affected the schedule for the installation of electronics and I/O control signals.
- A wild land fire began west of Los Alamos on Sunday June 26th and grew rapidly requiring closure of Los Alamos National Laboratory from June 27th through July 5th. Seven production days were lost due to the closure. Progress on pit components for (b) (7)(F) were approximately 4 days ahead of schedule at the time of the closure. Minimal impact to production schedules is expected. Construction schedules are being evaluated at this time for impact.

Issues/Changes/Coming Attractions(cont)

■ Coming Attractions

- VADM Williams, DOE Associate Deputy Secretary – July 12 (postponed due to wild land fire)
- General Kowalski, Global Strike – July 26-27
- DSW budget execution Summit Pu Sustainment Presentations - July 14
- Pu Sustainment Quarterly Meeting in ABQ - July 26

June 2011 Matrix

Product/Process Performance											
			Foundry (b) (6) NCO-1 (b) (6) MET-2	Machining (b) (6) NCO-1 (b) (6) MET-2	Analytical (b) (6) C-AAC	Welding (b) (6) NCO-1 (b) (6) MET-2	Assembly (b) (6) NCO-1	Dim. Inspect (b) (6) QA-DI (b) (6)	NDE (b) (6) AET-6	MET (b) (6) MST-16	NCM (b) (6) MST-6
Product Performance (Weight 40%)	Schedule (b) (6)	Weight 0.1	SD: 00 CP:00 100%	SD: 00 CP:00 100%	SD: 00 CP:00 100%	SD: 00 CP:00 100%	SD: 00 CP:00 100%	SD: -01 CP:00 104%	SD: 00 CP:00 100%		
	Product Quality (b) (6)	Weight 0.1	A:4 U:0 100%	A:2 U:0 100%	A:0 U:0 100%	A:1 U:0 100%	A:0 U:0 100%	A:2 U:0 100%	A:0 U:0 100%		
	Process Quality (b) (6)	Weight 0.1	NCR: 00 100%	NCR: 00 90%	NCR: 00 100%	NCR: 00 100%	NCR: 00 90%	NCR: 00 100%	NCR: 00 100%		
	Product Documentation (b) (6)	Weight 0.1	I:01 90%	I:02 90%	I:00 100%	I:00 100%	I:00 100%	I:00 100%	I:N/A 100%		
	Product Performance Subtotal		98%	95%	100%	100%	98%	101%	100%		
Process Performance (Weight 60%)	M&TE (b) (6)	Weight 0.12	Ex:07 75%	Ex:02 90%	Ex:00 100%	Ex:13 65%	Ex:13 65%	Ex:04 85%	Ex:00 100%		
	Preventive Maintenance (b) (6)	Weight 0.12		Ex:0, Df:0 100%	Ex:0, Df:0 100%		Ex:0, Df:0 100%				
	WI/Document Control (b) (6)	Weight 0.12	Exp:0 Ext:0 100%	Exp:0 Ext:0 100%	Exp:0 Ext:0 100%	Exp:0 Ext:0 100%	Exp:0 Ext:0 100%	Exp:0 Ext:0 100%	Exp:0 Ext:0 100%		
	Training (b) (6)	Weight 0.12	0:0, 1:0 95%	0:0, 1:1 85%	0:0, 1:3 85%	0:0, 1:2 85%	0:0, 1:1 85%	0:0, 1:0 95%	0:0, 1:0 95%		
	Process Materials (b) (6)	Weight 0.12	EP:00 ED:00 100%	EP:00 ED:00 100%	N/A N/A	EP:00 ED:00 100%	EP:00 ED:00 100%	EP:00 ED:00 100%	EP:00 ED:00 100%		
Process Performance Subtotal			93%	95%	96%	88%	90%	95%	99%		
Total Score			95%	95%	98%	93%	93%	97%	99%		

May 2011 Matrix discussion

■ (b) (5), (b) (7)(F)

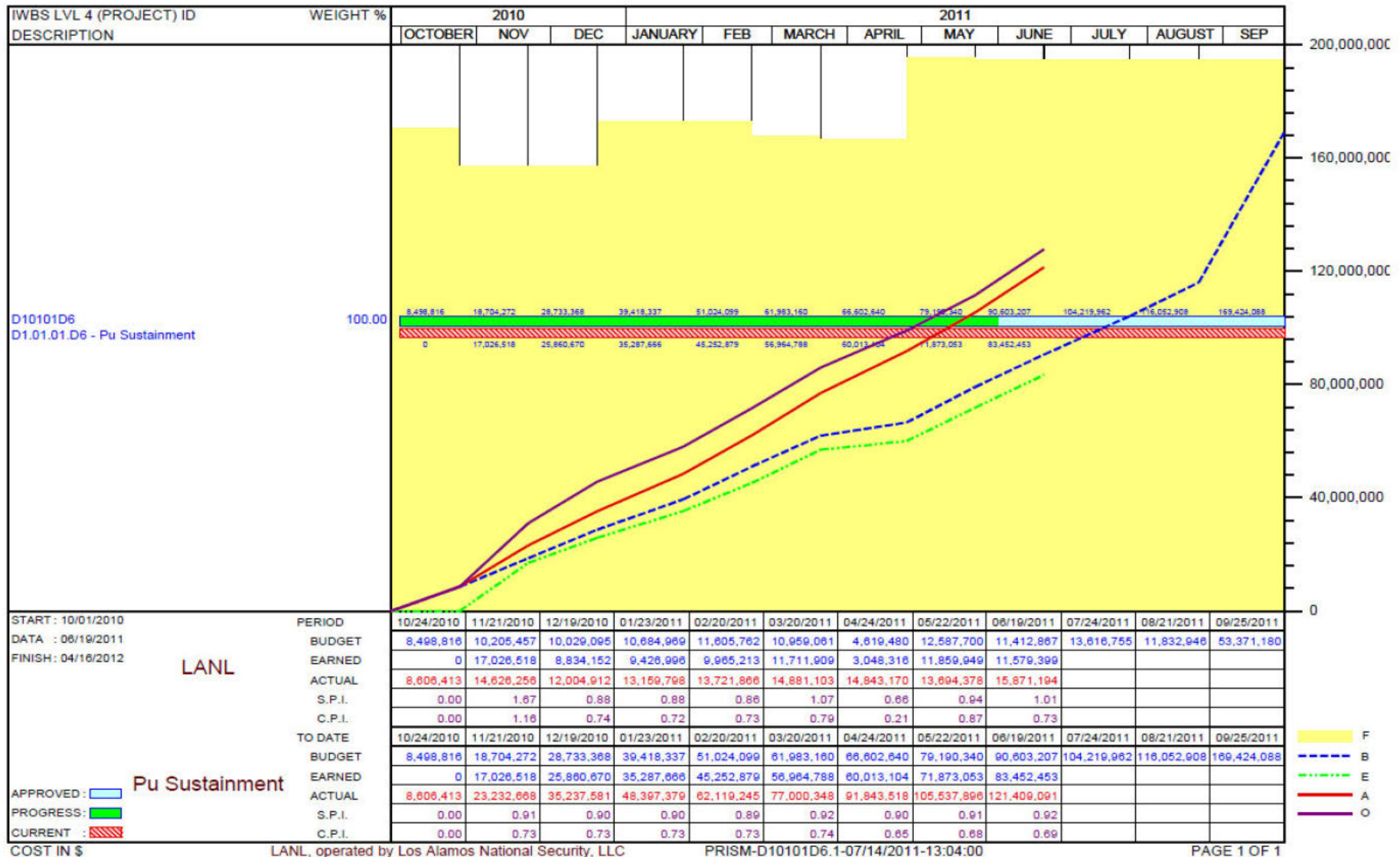
Calibrated equipment had been funded through the year now with new funding provided post CR. Time to recalibrate required materials has retained these elements as red. Recovery schedule is in place and should return these elements to acceptable levels in July.

FY11 Level 2 Milestones DSW – Pu Sustainment

MRT ID	MRT Description	Due Date/ PSM Status	Comments
	Pu Sustainment		
3712	(b) (7)(F) ...PEP	9/30/11	(b) (5), (b) (7)(F)
3714	D&D of (b) (7)(F) IAW...PEP	9/30/11	The agreed to and approved language changes to this MRT are not represented in this version making this milestone as written red. Funding restrictions will not allow for the completion of the DCP and will delay the D&D of XB213. If the language is changed this milestone will be turned to yellow.
3715	(b) (7)(F) EP	9/30/11	
3716	(b) (7)(F)	9/30/11	LANL no longer responsible for delivering products to this milestone.
	Pu Sustainment - Power		
3713	(b) (7)(F) PEP	9/30/11	(b) (7)(F)
	Pu Sustainment - LLNL		
3712	(b) (7)(F) PEP	9/30/11	
3715	(b) (7)(F) EP	9/30/11	

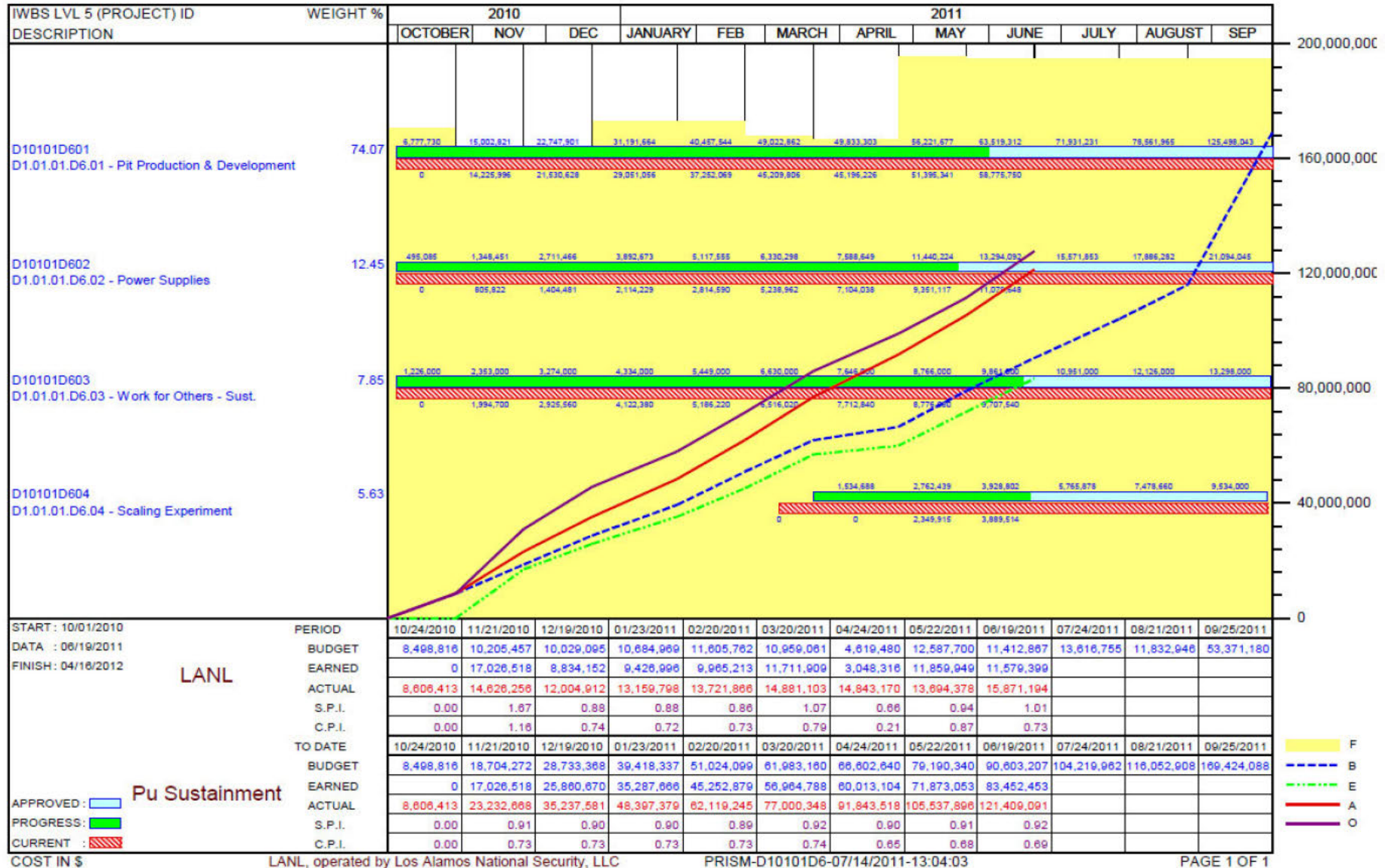
PERFORMANCE BARCHART AND S-CURVE

Pu Sustainment Overall

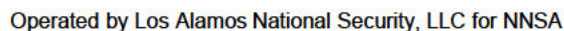


PERFORMANCE BARCHART AND S-CURVE

Pu Sustainment Overall - IWBS Level 5



Pit Production & Development



Power Supplies - IWBS Level 6



Performance charts discussion

- **Chart 1: Overall program – Actual costs are noted high against budget and earned value due to B and EV not including the cost recovery trend data. AC for this portion of the portfolio was \$30M. With the inclusion of an additional \$30M in B and EV lines – this returns to an acceptable variance of approximately 8%**
- **Chart 2: Non – power program – of the \$30M in cost recovery noted above – all but \$1.5M must be applied to B and EV here resulting in an acceptable variance.**
- **Chart 3: Power program – Program is in acceptable variance status. Trend upward on Budget in May is due to the full implementation of the PSAA BCR.**