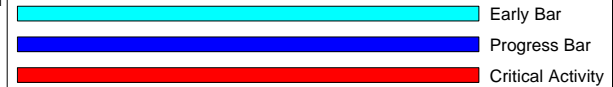


Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY11	FY12	FY13	FY14
NSTX Upgrade Project														
Critical Decisions														
LEVEL I														
CD1A	CD1 Approval	0			15APR10A	15APR10A		0.00	100	0.00				
CD2A	Receive CD-2 Approval	0			20DEC10*	20DEC10A		0.00		0.00				
CD3A	Receive CD-3 Approval	0			23SEP11	23SEP11	128	0.00		0.00				
CD4	CD4	0			29MAY15	29MAY15	0	0.00		0.00				
Level 2 Milestones														
LEVEL II														
0001	**NSTX FY10 RUN- 15 RUN WEEKS**(FY11-4WKS)	149*	01APR10A	01APR10A	29OCT10	29OCT10A		0.00	100	0.00				
0002	**NSTX FY 11 OPENING/MAINTENANCE**	127*	01NOV10*	01NOV10A	06MAY11	06MAY11	2,159	0.00		0.00				
0003	**NSTX FY11 RUN - 10 RUN WEEKS**	68	09MAY11*	09MAY11*	12AUG11	12AUG11	2,159	0.00		0.00				
0004	**NSTX FY12 MAINTENACE NO VV VENTI**	54	15AUG11*	15AUG11*	28OCT11	28OCT11	2,159	0.00		0.00				
0005	**NSTX RUN 10 RUN WEEKS**	53	31OCT11	31OCT11*	23JAN12	23JAN12	2,159	0.00		0.00				
0006	**NSTX UPGRADE MAJOR OUTAGE**	622	03APR12	03APR12	30SEP14*	30SEP14*	1,487	0.00		0.00				
CDR	PROJECT CDR	0			28OCT09A	28OCT09A		0.00	100	0.00				
CD1	Submit CD-1 Request	0			22JAN10A	22JAN10A		0.00	100	0.00				
1010	Project Preliminary Design Review (PDR)	0			23JUN10A	23JUN10A		0.00	100	0.00				
PDR	PROJECT PDR	0			23JUN10A	23JUN10A		0.00	100	0.00				
LRCD2	Lehman Review	0			10AUG10A	10AUG10A		0.00	100	0.00				
1000	NB #2 Decon Program Complete	0			01NOV10*	29OCT10A		0.00	100	0.00				
FDR	PROJECT FDR	0			15JUN11*	15JUN11*	0	0.00		0.00				
1070	Friction Stir-Weld Coil Leads TF Conductors	0			05JAN12	05JAN12	17	0.00		0.00				
SD-1	NSTX COMPLETE OPERATIONS	0			01MAR12*	01MAR12*	139	0.00		0.00				
SD-2	BEGIN UPGRADE OUTAGE	0			02APR12	02APR12	139	0.00		0.00				
1150	Complete Assy And Pot Of 4th Inner TF Quadrant	0			11FEB13	11FEB13	17	0.00		0.00				
1160	Complete Fabricate & test Inner TF/OH Coil Assy	0			20SEP13	20SEP13	17	0.00		0.00				
1210	NB Cap Installed	0			03JAN14	03JAN14	1	0.00		0.00				
1230	Lift In New Centerstack	0			09APR14	09APR14	13	0.00		0.00				
1330	Complete ISTP.	0			29SEP14	29SEP14	1	0.00		0.00				
SD-3	RESUME OPERATIONS (Early Start)	0			30SEP14*	30SEP14*	0	0.00		0.00				
Level 3 Milestones														
LEVEL 3														
CD2	Submit CD2 Request	0			05NOV10*	24NOV10A		0.00	100	0.00				
1030	Award Inner (TF) Conductor Material Contract	0			20DEC10	19JAN11	41	0.00		0.00				
1019	NBI Final Design Peer Review	0			31MAR11*	31MAR11*	53	0.00		0.00				

Data Date 31DEC10 1101
Run Date 14JAN11 13:17

NSTX UPGRADES
RESOURCE LOADED SCHEDULE
CD-2 Schedule
January 2011

Sheet 1 of 61



Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY				
											FY11	FY12	FY13	FY14	
1021	CS Final Design Peer Review	0			16MAY11*	16MAY11*	2,328	0.00		0.00					
1035	Award Inner (TF) Conductor Machining contract	0			03MAY11	03MAY11	57	0.00		0.00					
1037	Award TF Lead Extensions	0			11MAY11	11MAY11	17	0.00		0.00					
LRCD3	Lehman Review	0			21JUL11	21JUL11	128	0.00		0.00					
CD3	Submit CD3 Request	0			11AUG11	11AUG11	128	0.00		0.00					
1038	Award Friction Stir Weld Contract	0			03OCT11	03OCT11	17	0.00		0.00					
1060	Generate Center Stack (CS) Assembly Procedure	0			07OCT11	07OCT11*	454	0.00		0.00					
1025	Award CS PFC Tiles	0			13DEC11	13DEC11	174	0.00		0.00					
1050	Complete Machining Inner TF Conductors	0			05MAR12	05MAR12	17	0.00		0.00					
1051	Deliver TF Quadrant Mold	0			14FEB12	14FEB12	183	0.00		0.00					
1110	Award NB Rectangular Bellows Section	0			11JUN12	11JUN12	2	0.00		0.00					
1130	Award Contract Inner Poloidal Field (PF) Coils	0			11JUN12	11JUN12	127	0.00		0.00					
1052	Award CS Casing	0			22JUN12	22JUN12	148	0.00		0.00					
1090	Award Neutral Beam (NB) Vessel Cap	0			01OCT12	01OCT12	102	0.00		0.00					
1040	Award Ohmic Heating (OH) Conductor	0			01OCT12	01OCT12	83	0.00		0.00					
1080	Complete 1st TF inner quadrant	0			14NOV12	14NOV12	17	0.00		0.00					
1120	Complete Diagnostics Removals	0			03DEC12	03DEC12	189	0.00		0.00					
1100	OH Conductor Delivered	0			18JAN13	18JAN13	83	0.00		0.00					
1140	Lift Out Old Centerstack	0			21JAN13	21JAN13	235	0.00		0.00					
1240	Deliver Inner Inner PF Coils	0			22APR13	22APR13	113	0.00		0.00					
1190	Deliver NB Vessel Cap	0			24JUN13	24JUN13	102	0.00		0.00					
1220	Begin Field Coil Power Conversion DC Sys Cable I	0			30SEP13	30SEP13	13	0.00		0.00					
1170	Begin Final Assembly Of Centerstack	0			30SEP13	30SEP13	13	0.00		0.00					
1250	Beam Box Moved and Internals Installed	0			17JAN14	17JAN14	8	0.00		0.00					
1180	Deliver NB Rectangular Bellows Section	0			27JAN14	27JAN14	2	0.00		0.00					
1310	Complete FCPC DC Systems Cable Installation	0			03FEB14	03FEB14	13	0.00		0.00					
1270	Begin Re-Installation Of Diagnostics	0			12FEB14	12FEB14	1	0.00		0.00					
1290	Reinstall New Pump Duct	0			12FEB14	12FEB14	91	0.00		0.00					
1200	Complete Final Assembly Of Centerstack	0			31MAR14	31MAR14	13	0.00		0.00					
1320	Re-Installation Of Diagnostics Complete	0			29MAY14	29MAY14	25	0.00		0.00					
1260	Install New Umbrella	0			03JUN14	03JUN14	13	0.00		0.00					
1300	Begin Machine Pump down	0			16JUN14	16JUN14	13	0.00		0.00					
1280	Complete Refurbishment Of Sources	0			01AUG14	01AUG14	20	0.00		0.00					
Job: 1000 - CSU Analytical Support-TITUS (LOE)															
1000-0002	Maintain Global model with updated design concep	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A		0.00	100	0.00					
1000-0003	Maintain updated 96 Scenarios	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A		0.00	100	0.00					
1000-0004	Generic Tile Qualification Program	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A		0.00	100	0.00					
1000-0005	Maintain Disruption Scenarios	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A		0.00	100	0.00					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY			
											FY11	FY12	FY13	FY14
1000-0006	Develop List of in-service Inspection Areas	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A		0.00	100	0.00				
1000-0007	Dynamic Response to Normal Loads PF4/5/TF/TF OOP	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A		0.00	100	0.00				
1000-0008	Fault, FMEA evaluation and analyses	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A		0.00	100	0.00				
1000-0009	PDR Documentation	21	02JUN10A	02JUN10A	30JUN10A	30JUN10A		0.00	100	0.00				
1000-0011	Maintain Global model with updated design concep	237*	01JUL10A	01JUL10A	13JUN11	13JUN11	2	18,695.78	55	10,282.68	EA/EM =100 ;			
1000-0012	Maintain updated 96 Scenarios	203*	01JUL10A	01JUL10A	25APR11	25APR11	36	18,599.94	30	5,579.98	EA/EM =100 ;			
1000-0013	Generic Tile Qualification Program	162*	01JUL10A	01JUL10A	25FEB11	25FEB11	77	36,861.73	75	27,646.30	EA/EM =200 ;			
1000-0015	Develop List of in-service Inspection Areas(LOE)	203*	01JUL10A	01JUL10A	25APR11	25APR11	36	18,599.94	30	5,579.98	EA/EM =100 ;			
1000-0016	Dynamic Response to Normal Loads PF4/5/TF/TF OOP	162*	01JUL10A	01JUL10A	25FEB11	25FEB11	77	18,430.86	40	7,372.34	EA/EM =100 ;			
1000-0017	Fault, FMEA analyses (LOE)	162*	01JUL10A	01JUL10A	25FEB11	25FEB11	77	18,430.86	20	3,686.17	EA/EM =100 ;			
1000-0017A	CSU Analytical Support - Peer Review	0			16MAY11*	16MAY11*	2,328	0.00		0.00				
1000-0018	FDR Prep/documentation	21	13MAY11	13MAY11	13JUN11	13JUN11	2	19,268.00		0.00	EA/EM =100 ;			
1000-0019	CONDUCT FDR	20	16MAY11	16MAY11	13JUN11*	13JUN11*	2	1,926.80		0.00	EA/EM =10 ;			
1000-0022	Title 3 Analysis Support	819	14JUN11	14JUN11	25SEP14	25SEP14	1,490	192,959.79		0.00				
FY101000	FY10 Actual Cost	85*	04JAN10A	04JAN10A	30APR10A	30APR10A		33,760.00	100	33,760.00				
FY101000A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		6,931.00	100	6,931.00	81=30903			

Job: 1001 - CS Plasma Facing Components-TRESEMER

Design

1001-0021	NDA, Export Control Issues	146*	03MAY10A	03MAY10A	29NOV10	29OCT10A		7,342.02	100	7,342.02	EM/EM=50			
1001-0029	PDR Prep	36	03MAY10A	03MAY10A	22JUN10A	22JUN10A		0.00	100	0.00				
1001-0030	CONDUCT PDR	2	23JUN10A	23JUN10A	24JUN10A	24JUN10A		0.00	100	0.00				
1001-0031	Receipt of Material data	110*	23JUN10A	23JUN10A	29NOV10	29OCT10A		296.49	100	296.49	EM/EM =02 ;			
1001-0031A	Processing of Material data	5	30NOV10	01NOV10A	06DEC10	05NOV10A		316.42	100	316.42	EM/EM =02 ;			
1001-0032	Order Samples for testing (6 wks lead)	149*	23JUN10A	23JUN10A	28FEB11	31JAN11	60	19,616.75	80	15,693.40	EM/EM =08 ; 41=15,000 ;			
1001-0034	PDR chit resolution	60*	25JUN10A	25JUN10A	20SEP10A	20SEP10A		0.00	100	0.00				
1001-0035	Update WAF for Lehman Review (prep)	30	25JUN10A	25JUN10A	06AUG10A	06AUG10A		0.00	100	0.00				
1001-0036	Generic Tile Qualitfication Program	61*	25JUN10A	25JUN10A	21SEP10A	21SEP10A		0.00	100	0.00	EM/EM =20 ; EA/EM =200 ;			
1001-0037	Lehman Review	2	10AUG10A	10AUG10A	11AUG10A	11AUG10A		0.00	100	0.00				
1001-0038A	Fastener Mock-up	77*	02SEP10A	02SEP10A	06DEC10	22DEC10A		45,436.17	100	45,436.17	EM/EM =08 ; 41=15,000 ;			
1001-0039	Disruption Forces - Final Tile Analysis	75*	12AUG10A	12AUG10A	29NOV10	29OCT10A		21,008.28	100	21,008.28	EM/EM =20 ; EA/ES =40 ; EA/EM =80 ;			
1001-0040	Thermal system - Final Tile Analysis	52*	18OCT10*	18OCT10A	30NOV10	07JAN11	213	26,630.60	90	23,967.54	EM/EM =20 ; EA/Em=160 ; EA/ES=40			
1001-0041	Fastener Scheme - Final Tile Analysis	44*	14JAN11*	16DEC10A	25FEB11	23FEB11	213	37,473.80	30	11,242.14	EM/EM =20 ; EA/Em=160 ; EA/es=40			
1001-0043	Part re-design	20	28FEB11	24FEB11	25MAR11	23MAR11	213	21,264.00		0.00	EM/EM =64 ; EA/es =128 ;			
1001-0044	Tile adjustments/Drawings	15	28MAR11	24MAR11	15APR11	13APR11	213	10,885.28		0.00	EM/EM =16 ; EA/es =64 ;			
1001-0045	Fastener Prototype	45*	25MAR11*	08FEB11*	27MAY11	11APR11	215	48,489.24		0.00	EM/EM =44 ; EA/ES =40 ; EM/ST=320;M&S=5,000			
1001-0046	Testing	20	31MAY11	12APR11	27JUN11	09MAY11	215	16,651.50		0.00	EM/EM =30 ; EM/ST =120 ;			
1001-0048	Mechanical - Material Testing	24*	01MAR11*	20DEC10A	28MAR11	28JAN11	60	20,132.30	10	2,013.23	EM/EM =30 ; EA/ES =40 ; EM/ST =120;			
1001-0049	Thermal - Material Testing	19*	01MAR11	20DEC10A	21MAR11	21JAN11	60	12,999.70	10	1,299.97	EM/EM =10 ; EM/ST =80;ea/es40			

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY11				FY12				FY13				FY14							
											[]				[]				[]				[]							
1001-0050	Review Data - Material Testing	10	22MAR11	24JAN11	04APR11	04FEB11	60	6,328.40		0.00																				
1001-0053	Make Material Choices	10	05APR11*	07FEB11	18APR11	18FEB11	60	6,328.40		0.00																				
1001-0054	Finalize Designs/Drawings	45	28JUN11*	10MAY11	30AUG11	13JUL11	215	50,628.64		0.00																				
1001-0055	Drawings (Assem/Installation)	287*	11OCT10*	01NOV10A	21DEC11	23DEC11	392	194,749.87	5	9,737.49																				
1001-0056	Prep Procurement Specs	15	31AUG11	14JUL11	21SEP11	03AUG11	215	4,746.30		0.00																				
1001-0056A	CS Plasma Facing Components Peer Review	0			16MAY11	16MAY11*	2,328	0.00		0.00																				
1001-0057	FDR Prep	20	13MAY11*	13MAY11*	10JUN11	10JUN11	1	34,174.08		0.00																				
1001-0058	CONDUCT FDR	2	13JUN11	13JUN11	14JUN11	14JUN11	1	7,612.80		0.00																				
Procure, Fab & Assembly																														
1001-0062	Prep Req & Proc Package - Tiles (CFC)	9	03OCT11*	03OCT11*	13OCT11	13OCT11	174	6,939.60		0.00																				
1001-0063	Submit Req. to Procurement - Tiles (CFC)	2	14OCT11	14OCT11	17OCT11	17OCT11	174	693.96		0.00																				
1001-0064	Bid & Award (Procurement Lead Time - Tiles (CFC)	40	18OCT11	18OCT11	14DEC11	14DEC11	174	5,551.68		0.00																				
1001-0065	Award - Tiles (CFC)	1	14DEC11*	14DEC11*	14DEC11	14DEC11	174	0.00		0.00																				
1001-0066	Fabricate and Deliver - CFC Material	160	15DEC11	15DEC11	06AUG12	06AUG12	174	432,818.40		0.00																				
1001-0066B	Prep Req & Proc Package - Machine Tiles (CFC)	10	04JUN12	04JUN12	15JUN12	15JUN12	121	6,049.80		0.00																				
1001-0066C	Submit Req. to Procurement - Machine Tiles (CFC)	2	31JUL12	31JUL12	01AUG12	01AUG12	136	693.96		0.00																				
1001-0066D	Bid & Award (Proc Lead Time - Machine Tiles(CFC)	39	02AUG12	02AUG12	26SEP12	26SEP12	136	5,551.68		0.00																				
1001-0066E	Award - Machine Tiles (CFC)	2	27SEP12	27SEP12	28SEP12	28SEP12	136	0.00		0.00																				
1001-0066F	Fabricate/Machine tiles + diagnostics	85	01OCT12*	01OCT12*	07FEB13	07FEB13	136	321,316.90		0.00																				
1001-0069	Tile Bakeout	40	08FEB13	08FEB13	04APR13	04APR13	136	66,000.00		0.00																				
1001-0071	Prep Req & Proc Package - hardware, other materl	10	18JUN12*	18JUN12*	29JUN12	29JUN12	121	6,049.80		0.00																				
1001-0072	Submit Req. to Procurement - hardware, other mat	2	02JUL12	02JUL12	03JUL12	03JUL12	121	693.96		0.00																				
1001-0073	Procurement Lead Time - hardware, other material	40	05JUL12	05JUL12	29AUG12	29AUG12	121	5,551.68		0.00																				
1001-0074	Award - hardware, other materials	1	30AUG12	30AUG12	30AUG12	30AUG12	121	0.00		0.00																				
1001-0075	Fabricate and Deliver - hardware, other material	160	31AUG12	31AUG12	25APR13	25APR13	121	282,951.30		0.00																				
1001-0078	Fab/Assembly Procedures	30	08JUL13	08JUL13	16AUG13	16AUG13	13	21,256.80		0.00																				
1001-0079	Tile Assembly with Hardware	40	01OCT13*	01OCT13*	25NOV13	25NOV13	13	40,312.48		0.00																				
1001-0082	Installation Procedure	30	19AUG13	19AUG13	30SEP13	30SEP13	13	21,256.80		0.00																				
1001-0083	Tile Re-fit, as needed, additional machining	30	01OCT13*	01OCT13*	11NOV13	11NOV13	13	34,887.20		0.00																				
FY091001	FY09 Actual Cost	22	23FEB09A	23FEB09A	30SEP09A	30SEP09A		64,576.00	100	64,576.00																				
FY101001	FY10 Actual Cost	100*	01DEC09A	01DEC09A	30APR10A	30APR10A		103,885.00	100	103,885.00																				
FY101001A	FY10 Actual Cost	130	01APR10A	01APR10A	30SEP10A	30SEP10A		99,233.32	100	99,233.32																				
FY101110	FY10 Actual Cost	85	01OCT09A	01OCT09A	31JAN10A	31JAN10A		49,992.00	100	49,992.00																				
Job: 1002 -Passive Plate Analysis &Upgrade-TITUS																														
1000-0014	Maintain Disruption Scenarios (xfer from 1000)	162*	01JUL10A	01JUL10A	25FEB11	25FEB11	77	18,430.86	40	7,372.34																				
1002-0005	Check/Correct Vector Potential Solution	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A		0.00	100	0.00																				
1002-0014	Disposition PDR Chits	144*	02JUN10A	02JUN10A	03JAN11	02DEC10A		14,413.76	100	14,413.76																				

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY11				FY12				FY13				FY14			
1002-0015	Check/Correct Vector Potential Solution	200*	02JUN10A	02JUN10A	22MAR11	29OCT10A		14,693.94	100	14,693.94	EA/EM =80 ;															
1002-0016	Run Disruption files based on lower background F	200*	02JUN10A	02JUN10A	22MAR11	29OCT10A		11,020.46	100	11,020.46	EA/EM =60 ;															
1002-0017	Add Halo Loads	200*	02JUN10A	02JUN10A	22MAR11	22MAR11	59	7,346.97	25	1,836.74	EA/EM =40 ;															
1002-0018	Complete Bolting and Bracket Evaluation	200*	02JUN10A	02JUN10A	22MAR11	22MAR11	59	3,673.49	40	1,469.40	EA/EM =20 ;															
1002-0019	Monitor fiberoptic Disruption Instrumentation	200*	02JUN10A	02JUN10A	22MAR11	02DEC10A		7,346.97	100	7,346.97	EA/EM =40 ;															
1002-0020	Fatigue Assessment	200*	02JUN10A	02JUN10A	22MAR11	22MAR11	59	7,346.97	20	1,469.39	EA/EM =40 ;															
1002-0021	Input to the DCPS	200*	02JUN10A	02JUN10A	22MAR11	29OCT10A		7,346.97	100	7,346.97	EA/EM =40 ;															
1002-0025	Procure 100 718 bolts	200*	02JUN10A	02JUN10A	22MAR11	22MAR11	59	4,899.49	10	489.95	EA/EM =20 ; 41=1,000 ;															
1002-0029	Bracket re-work, in-house	200*	02JUN10A	02JUN10A	22MAR11	22MAR11	59	3,673.49	10	367.35	EA/EM =20 ;															
1002-0030	Drawing Update (As Builts)	200*	02JUN10A	02JUN10A	22MAR11	22MAR11	59	7,346.97	50	3,673.49	EA/EM =40 ;															
1002-0099	PP analysis complete for FDR	1	23MAR11*	23MAR11*	23MAR11	23MAR11	59	0.00		0.00																
FY101002	FY10 Actual Cost	105	04JAN10A	04JAN10A	28MAY10A	28MAY10A		84,302.00	100	84,302.00																
FY101002A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		59,078.00	100	59,078.00	81=85607															
Job: 1200 - Vacuum Vsl & Struct Support-SMITH																										
FY091210	FY09 Actual Cost	22*	23FEB09A	23FEB09A	30SEP09A	30SEP09A		571,717.00	100	571,717.00																
FY101200	FY10 Actual Cost	100	01DEC09A	01DEC09A	30APR10A	30APR10A		370,213.00	100	370,213.00																
FY101200A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		360,410.00	100	360,410.00	81=349,900															
FY101210	FY10 Actual Cost	150	01OCT09A	01OCT09A	28MAY10A	28MAY10A		207,020.00	100	207,020.00																
Job: 1201 - Outer TF Structures-SMITH																										
1201-0009	Dsgn Eng/CAD Models: Iteration, Optimiztn, Updt	30	03MAY10A	03MAY10A	14JUN10A	14JUN10A		0.00	100	0.00																
1201-0010	Complete Preliminary CAD Models	10	09JUN10A	09JUN10A	22JUN10A	22JUN10A		0.00	100	0.00																
1201-0011	Mockups:outer link, real estate issues(# of it 4	66	03MAY10A	03MAY10A	04AUG10A	04AUG10A		0.00	100	0.00																
1201-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	32	03MAY10A	03MAY10A	16JUN10A	16JUN10A		0.00	100	0.00																
1201-0014	Analysis of Preliminary Design Approved	1	16JUN10A	16JUN10A	16JUN10A	16JUN10A		0.00	100	0.00																
1201-0016	PDR	1	24JUN10A	24JUN10A	24JUN10A	24JUN10A		0.00	100	0.00																
1201-0018	Dsgn Eng & CAD Models: Iterations, Optim & Updat	61*	24JUN10A	24JUN10A	16AUG10A	16AUG10A		0.00	100	0.00																
1201-0021	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A	11AUG10A		0.00	100	0.00																
1201-0024	PDR CAD model Compld-Outr supp ring/clamp/sprng	1	16AUG10A	16AUG10A	16AUG10A	16AUG10A		0.00	100	0.00																
1201-0028	Det Dsgn Eng, CAD/Analysis Iterations(34mod)	127*	17SEP10A	17AUG10A	16FEB11	22FEB11	10	29,890.46	90	26,901.42	EM/EM =31 ; EA/SB =202 ;															
1201-0029	Update Design Drawings	1	24JUN10A	24JUN10A	16AUG10A	16AUG10A		0.00	100	0.00																
1201-0030	Design Drawings (13dw)	35	17FEB11	23FEB11	21APR11	12APR11	10	14,572.74		0.00	EM/EM =10 ; EA/SB =104 ;															
1201-0031	Final Design Analysis	120*	01OCT10	24SEP10A	21FEB11	22MAR11	25	77,842.72	54	42,035.07	EA/EM =404															
1201-0031B	N/A Analysis: Ring, Bracket, Spring Link	57*	16AUG10A	16AUG10A	16AUG10A	16AUG10A		0.00	100	0.00																
1201-0031C	N/A Analysis:Keep Clevis Bracket Load Stress Upd	63*	16AUG10A	16AUG10A	16AUG10A	16AUG10A		0.00	100	0.00																
1201-0031D	N/A OTF Analysis: Fatigue Assesment	63*	16AUG10A	16AUG10A	16AUG10A	16AUG10A		0.00	100	0.00																
1201-0031E	N/A Analysis: Write. Check, File Calculations	63*	16AUG10A	16AUG10A	16AUG10A	16AUG10A		0.00	100	0.00																
1201-0031F	N/A Analysis: DCOS Input	63*	16AUG10A	16AUG10A	16AUG10A	16AUG10A		0.00	100	0.00																

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY11				FY12				FY13				FY14			
1201-0031G	N/A Analysis: Insul Bond Shear/Copper Stress/CC	63*		16AUG10A	15AUG10A	16AUG10A		0.00	100	0.00																
1201-0032	Validation of Design Complete	10	22APR11	13APR11	05MAY11	26APR11	10	5,780.40		0.00			EA/EM =30													
1201-0033	Update CAD Models per Validation	10	06MAY11	27APR11	19MAY11	10MAY11	10	4,246.94		0.00			EA/SB =34 ;													
1201-0034	Revise Fabrication & Assembly Drawings per Valid	10	20MAY11	11MAY11	03JUN11	24MAY11	10	6,495.32		0.00			EA/SB =52 ;													
1201-0035	Review, Check Drawings	4	06JUN11	25MAY11	10JUN11	31MAY11	10	7,361.12		0.00			EM/EM =26 ; EA/SB =26 ;													
1201-0036	Drawings ready for FDR	1	13JUN11	01JUN11	13JUN11	01JUN11	10	0.00		0.00																
1201-0038	FDR	1	14JUN11	01JUN11	14JUN11*	01JUN11*	10	0.00		0.00																
1201-0042	Prep Req & Procurement Package	10	01JUN12*	01JUN12*	14JUN12	14JUN12	85	5,551.68		0.00							EM/EM =32 ;									
1201-0043	Submit Req to Procurement	1	14JUN12	14JUN12	14JUN12	14JUN12	85	0.00		0.00																
1201-0044	Procurement Processing	22	14JUN12	14JUN12	16JUL12	16JUL12	85	0.00		0.00																
1201-0045	Submit for Vendor Quotes	1	17JUL12	17JUL12	17JUL12	17JUL12	85	0.00		0.00																
1201-0046	Eval Quotes	43	17JUL12	17JUL12	14SEP12	14SEP12	85	1,387.92		0.00						EM/EM =08 ;										
1201-0047	Tech Eval of Vendors	43	17JUL12	17JUL12	14SEP12	14SEP12	85	2,775.84		0.00						EM/EM =16 ;										
1201-0048	Award / Order Approved	1	17SEP12	17SEP12	17SEP12	17SEP12	85	0.00		0.00																
1201-0048A	Fabricate Components - Outer TF Structure	100	18SEP12	18SEP12	15FEB13	15FEB13	85	509,784.56		0.00						41=386,992 ;										
1201-0049	Vendor Oversight	100	18SEP12	18SEP12	15FEB13	15FEB13	85	7,072.46		0.00						EM/EM =40 ;										
1201-0050	Receipt of Hardware	4	18FEB13	18FEB13	21FEB13	21FEB13	85	0.00		0.00																
1201-0051	QA Inspection	10	22FEB13	22FEB13	07MAR13	07MAR13	95	6,926.10		0.00				EM/EM =9 ;		EM/ST =48 ;										
1201-0052	Resolve Procurement Issues	5	18FEB13	18FEB13	22FEB13	22FEB13	85	354.28		0.00								EM/EM =02 ;								
1201-0053	Documentation: Assembly Procedures	15	18FEB13	18FEB13	08MAR13	08MAR13	94	4,810.80		0.00				EM/EM =24 ;		EA/SB =04 ;										
1201-0054	Assembly of Components	20	25FEB13	25FEB13	22MAR13	22MAR13	85	9,594.96		0.00				EM/EM =04 ;		EM/ST =80 ;										
1201-0055	Outer TF Structure Parts ready for installation	1	22MAR13	22MAR13	22MAR13	22MAR13	85	0.00		0.00																
1201-0056	Handling / Warehouse / Storage	50	22MAR13	22MAR13	31MAY13	31MAY13	1,818	10,663.68		0.00										EM/ST =96 ;						
Job: 1202 - Outer PF2 Coil Structures-SMITH																										
1202-0008	Input F/Analysis Group:Prelim Analysis of PF2	1	01JUL10A	01JUL10A	01JUL10A	01JUL10A		0.00	100	0.00																
1202-0009	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	30	03MAY10A	03MAY10A	14JUN10A	14JUN10A		0.00	100	0.00																
1202-0010	Complete Preliminary CAD Models	10	09JUN10A	09JUN10A	22JUN10A	22JUN10A		0.00	100	0.00																
1202-0013	ME Analysis/CAD Model Iterations-Stress/EM/Therm	32	03MAY10A	03MAY10A	16JUN10A	16JUN10A		0.00	100	0.00																
1202-0014	Analysis of Preliminary Design Approved	1	16JUN10A	16JUN10A	16JUN10A	16JUN10A		0.00	100	0.00																
1202-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A		0.00	100	0.00																
1202-0021	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A	11AUG10A		0.00	100	0.00																
1202-0028	Update CAD & Design Drawings(10mod/4dwgs)	113*	16AUG10A	16AUG10A	01FEB11	01FEB11	3	8,487.17	90	7,638.46			EM/EM =06 ;			EA/SB =62 ;										
1202-0030	N/A Dsgn Drawing Ready for Checking & Validation	1	16AUG10A	16AUG10A	16AUG10A	16AUG10A		0.00	100	0.00																
1202-0031	Validate Analysis: Stress, EM, Thermal	130	24JUN10A	24JUN10A	31AUG10A	31AUG10A		0.00		0.00																
1202-0032	Analysis & Validation of Design Complete	139*	02FEB11	04OCT10A	26APR11	26APR11	3	4,874.14	60	2,924.48			EA/SB =02 ;			EA/EM =24 ;										
1202-0033	Update CAD Models per Validation	10	27APR11	27APR11	10MAY11	10MAY11	3	1,249.10		0.00			EA/SB =10 ;													
1202-0034	Revise Fabrication & Assembly Drawings per Valid	10	11MAY11	11MAY11	24MAY11	24MAY11	3	1,998.56		0.00			EA/SB =16 ;													
1202-0035	Review, Check Drawings	10	25MAY11	25MAY11	08JUN11	08JUN11	3	2,897.80		0.00			EM/EM =12 ;			EA/SB =08 ;										

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY11				FY12				FY13				FY14				
1202-0036	Drawings ready for FDR	1	09JUN11	09JUN11	09JUN11	09JUN11	3	0.00		0.00																	
1202-0038	FDR	1	10JUN11	10JUN11	10JUN11*	10JUN11*	3	0.00		0.00																	
1202-0042	Prep Req & Procurement Package	5	01MAR12*	01MAR12*	07MAR12	07MAR12	53	2,081.88		0.00					EM//EM =12 ;												
1202-0043	Submit Req to Procurement	1	07MAR12	07MAR12	07MAR12	07MAR12	53	0.00		0.00																	
1202-0044	Procurement Processing	22	07MAR12	07MAR12	05APR12	05APR12	53	0.00		0.00																	
1202-0045	Submit for Vendor Quotes	1	06APR12	06APR12	06APR12	06APR12	53	0.00		0.00																	
1202-0046	Eval Quotes	43	06APR12	06APR12	06JUN12	06JUN12	53	173.49		0.00					EM//EM =1 ;												
1202-0048	Award / Order Approved	1	07JUN12	07JUN12	07JUN12	07JUN12	53	0.00		0.00																	
1202-0049	Vendor Oversight	100	08JUN12	08JUN12	29OCT12	29OCT12	53	174.26		0.00					EM//EM =1 ;												
1202-0050	Receipt of Hardware	1	30OCT12	30OCT12	30OCT12	30OCT12	53	17,826.60		0.00									41=13,505 ;								
1202-0051	QA Inspection	10	30OCT12	30OCT12	12NOV12	12NOV12	54	399.30		0.00					EM//EM =1 ; EM//ST =2 ;												
1202-0052	Resolve Procurement Issues	5	13NOV12	13NOV12	19NOV12	19NOV12	54	177.14		0.00					EM//EM =1												
1202-0055	Parts ready for installation	1	21NOV12	21NOV12	21NOV12	21NOV12	53	0.00		0.00																	
1202-0056	Handling / Warehouse / Storage	16	31OCT12	31OCT12	21NOV12	21NOV12	53	111.08		0.00					em/st=1												
Job: 1203 - PF3 Support.-SMITH																											
1203-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therm	32	03MAY10A	03MAY10A	16JUN10A	16JUN10A		0.00	100	0.00																	
1203-0014	Analysis of Preliminary Design Approved	1	16JUN10A	16JUN10A	16JUN10A	16JUN10A		0.00	100	0.00																	
1203-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A		0.00	100	0.00																	
1203-0021	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A	11AUG10A		0.00	100	0.00																	
1203-0029	Update CAD & Design Drawings (2mod/2dwgs)	115*	17AUG10A	17AUG10A	04FEB11	04FEB11	3	3,456.74	90	3,111.06	EM//EM =05 ; EA//SB =22 ;																
1203-0030	N/A Dsg Drawings Ready for Checking & Validation	1	16AUG10A	16AUG10A	16AUG10A	16AUG10A		0.00	100	0.00																	
1203-0032	Analysis & Validation of Design Complete	139*	07FEB11	04OCT10A	29APR11	26APR11	3	4,874.14	60	2,924.48	EA//SB =02 ; EA//EM =24 ;																
1203-0033	Update CAD Models per Validation	10	02MAY11	27APR11	13MAY11	10MAY11	3	249.82		0.00	EA//SB =02 ;																
1203-0034	Revise Fabrication & Assembly Drawings per Valid	10	16MAY11	11MAY11	27MAY11	24MAY11	3	999.28		0.00	EA//SB =08 ;																
1203-0035	Review, Check Drawings	10	31MAY11	25MAY11	13JUN11	08JUN11	3	1,448.90		0.00	EM//EM =06 ; EA//SB =04 ;																
1203-0036	Drawings ready for FDR	1	14JUN11	09JUN11	14JUN11	09JUN11	3	0.00		0.00																	
1203-0038	FDR	1	15JUN11*	10JUN11*	15JUN11	10JUN11	3	0.00		0.00																	
1203-0042	Prep Req & Procurement Package:inonel Bolts	5	03OCT11*	03OCT11*	07OCT11	07OCT11	172	2,081.88		0.00					EM//EM =12 ;												
1203-0043	Submit Req to Procurement	1	07OCT11	07OCT11	07OCT11	07OCT11	172	0.00		0.00																	
1203-0044	Procurement Processing	22	07OCT11	07OCT11	07NOV11	07NOV11	172	0.00		0.00																	
1203-0045	Submit for Vendor Quotes	1	08NOV11	08NOV11	08NOV11	08NOV11	172	0.00		0.00																	
1203-0046	Eval Quotes	43	08NOV11	08NOV11	17JAN12	17JAN12	172	173.49		0.00					em//em=1												
1203-0048	Award / Order Approved	1	18JAN12	18JAN12	18JAN12	18JAN12	172	0.00		0.00																	
1203-0049	Vendor Oversight	100	19JAN12	19JAN12	07JUN12	07JUN12	172	173.49		0.00					em//em=1												
1203-0050	Receipt of Hardware	5	08JUN12	08JUN12	14JUN12	14JUN12	172	6,811.20		0.00					41=5,280 ;												
1203-0051	QA Inspection	10	15JUN12	15JUN12	28JUN12	28JUN12	172	1,129.12		0.00					EM//EM =04 ; EM//ST =04 ;												
1203-0055	Parts ready for installation	1	29JUN12	29JUN12	29JUN12	29JUN12	172	0.00		0.00																	
1203-0056	Handling / Warehouse / Storage	1	29JUN12	29JUN12	29JUN12	29JUN12	172	108.79		0.00					em/st=1												

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY				
											FY11	FY12	FY13	FY14	
1205-0105	Tech Eval of Vendors	43	18DEC12	18DEC12	25FEB13	25FEB13	90	1,417.12		0.00					EM/EM =08 ;
1205-0106	Award / Order Approved	1	26FEB13	26FEB13	26FEB13	26FEB13	90	0.00		0.00					
1205-0107	Vendor Oversight	102	27FEB13	27FEB13	23JUL13	23JUL13	90	7,085.60		0.00					EM/EM =10 ;
1205-0108	Receipt of Hardware	5	24JUL13	24JUL13	30JUL13	30JUL13	90	186,452.64		0.00					41=141,252
1205-0109	QA Inspection	10	31JUL13	31JUL13	13AUG13	13AUG13	90	7,457.52		0.00					EM/EM =12 ; EM/ST =48 ;
1205-0110	Resolve Procurement Issues	5	14AUG13	14AUG13	20AUG13	20AUG13	90	354.28		0.00					EM/EM =02 ;
1205-0111	Documentation: Assembly Procedures	10	21AUG13	21AUG13	04SEP13	04SEP13	90	3,393.68		0.00					EM/EM =16 ; EA/SB =04 ;
1205-0112	Assembly of Components	15	05SEP13	05SEP13	25SEP13	25SEP13	90	4,263.12		0.00					EM/EM =04 ; EM/ST =32 ;
1205-0113	Parts ready for installation	1	26SEP13	26SEP13	26SEP13	26SEP13	90	0.00		0.00					
1205-0114	Handling / Warehouse / Storage	3	27SEP13	27SEP13	01OCT13	01OCT13	133	898.67		0.00					EM/ST =08 ;
Job: 1206 - Pedestal -SMITH															
1206-0008	Input F/Analysis Group:Interface Detail to CS	1	01JUN10A	01JUN10A	01JUN10A	01JUN10A		0.00	100	0.00					
1206-0009	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	10	18MAY10A	18MAY10A	01JUN10A	01JUN10A		0.00	100	0.00					
1206-0010	Complete Preliminary CAD Models	10	01JUN10A	01JUN10A	14JUN10A	14JUN10A		0.00	100	0.00					
1206-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	24	19MAY10A	19MAY10A	22JUN10A	22JUN10A		0.00	100	0.00					
1206-0014	Analysis of Preliminary Design Approved	1	22JUN10A	22JUN10A	22JUN10A	22JUN10A		0.00	100	0.00					
1206-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A		0.00	100	0.00					
1206-0018	Dsgn Eng & CAD Models: Iterations, Optim & Updat	38	24JUN10A	24JUN10A	17AUG10A	17AUG10A		0.00	100	0.00					
1206-0021	DOE CD-2 (Lehman) Review	1	10AUG10A	10AUG10A	10AUG10A	10AUG10A		0.00	100	0.00					
1206-0023	PDR CAD model Compld-Outr supp ring/clamp/sprng	1	18AUG10A	18AUG10A	18AUG10A	18AUG10A		0.00	100	0.00					
1206-0028	Final Dsgn Eng Iteration, Detl CAD Model (19mod)	134*	17AUG10A	17AUG10A	04MAR11	03MAR11	1	15,442.32	75	11,581.74					EM/EM =23 ; EA/SB =97 ;
1206-0029	Final Design Analysis	134*	17AUG10A	17AUG10A	04MAR11	03MAR11	1	13,533.86	30	4,060.16					EM/EM =40 ; EA/sb =60 ;
1206-0030	Design Drawings (8dwg)	35	07MAR11	04MAR11	22APR11	21APR11	1	8,943.50		0.00					EM/EM =06 ; EA/SB =64 ;
1206-0032	Validation of Design Complete	10	25APR11	22APR11	06MAY11	05MAY11	1	5,780.40		0.00					EA/EM =30
1206-0033	Update CAD Models per Validation	10	09MAY11	06MAY11	20MAY11	19MAY11	1	2,373.29		0.00					EA/SB =19 ;
1206-0034	Revise Fabrication & Assembly Drawings per Valid	10	23MAY11	20MAY11	06JUN11	03JUN11	1	3,997.12		0.00					EA/SB =32 ;
1206-0035	Review, Check, Drawings	5	07JUN11	06JUN11	13JUN11	10JUN11	1	5,320.97		0.00					EM/EM =21 ; EA/SB =16 ;
1206-0036	Drawings ready for FDR	1	14JUN11	13JUN11	14JUN11	13JUN11	1	0.00		0.00					
1206-0038	FDR	1	15JUN11*	15JUN11*	15JUN11	15JUN11	0	0.00		0.00					
1206-0042	Prep Req & Procurement Package	10	02JAN13*	02JAN13*	15JAN13	15JAN13	76	5,668.48		0.00					EM/EM =32 ;
1206-0043	Submit Req to Procurement	1	15JAN13	15JAN13	15JAN13	15JAN13	76	0.00		0.00					
1206-0044	Procurement Processing	22	15JAN13	15JAN13	13FEB13	13FEB13	76	0.00		0.00					
1206-0045	Submit for Vendor Quotes	1	14FEB13	14FEB13	14FEB13	14FEB13	76	0.00		0.00					
1206-0046	Eval Quotes	43	14FEB13	14FEB13	15APR13	15APR13	76	1,417.12		0.00					em/em=8
1206-0047	Tech Eval of Vendors	43	14FEB13	14FEB13	15APR13	15APR13	76	1,417.12		0.00					em/em=8
1206-0048	Award / Order Approved	1	16APR13	16APR13	16APR13	16APR13	76	0.00		0.00					
1206-0049	Vendor Oversight	102	17APR13	17APR13	11SEP13	11SEP13	76	1,417.12		0.00					EM/EM =08 ;
1206-0050	Receipt of Hardware	5	12SEP13	12SEP13	18SEP13	18SEP13	76	62,990.40		0.00					41=47,720

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY11	FY12	FY13	FY14
1206-0051	QA Inspection	10	19SEP13	19SEP13	02OCT13	02OCT13	76	2,502.67		0.00				
1206-0052	Resolve Procurement Issues	5	03OCT13	03OCT13	09OCT13	09OCT13	76	366.28		0.00				
1206-0053	Documentation: Assembly Procedures	15	10OCT13	10OCT13	30OCT13	30OCT13	76	6,438.88		0.00				
1206-0054	Assembly of Components	20	31OCT13	31OCT13	27NOV13	27NOV13	76	9,919.76		0.00				
1206-0055	Parts ready for installation	1	02DEC13	02DEC13	02DEC13	02DEC13	76	0.00		0.00				
1206-0057	Handling / Warehouse / Storage	5	03DEC13	03DEC13	09DEC13	09DEC13	76	1,378.08		0.00				

Job: 1207 - Vessel Legs -SMITH

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY11	FY12	FY13	FY14
1207-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	24	19MAY10A	19MAY10A	22JUN10A	22JUN10A		0.00	100	0.00				
1207-0014	Analysis of Preliminary Design Approved	1	22JUN10A	22JUN10A	22JUN10A	22JUN10A		0.00	100	0.00				
1207-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A		0.00	100	0.00				
1207-0021	DOE CD-2 (Lehman) Review	1	10AUG10A	10AUG10A	10AUG10A	10AUG10A		0.00	100	0.00				
1207-0028	Updt CAD & Dsgn Dwgs, (3 CAD/2dwg)	132*	17AUG10A	17AUG10A	04FEB11	01MAR11	4	4,130.92	75	3,098.19				
1207-0030	N/A Dsgn Drawing Ready for Checking & Validation	1	16AUG10A	16AUG10A	16AUG10A	16AUG10A		0.00	100	0.00				
1207-0032	Analysis & Validation of Design Complete	138*	07FEB11	04OCT10A	29APR11	25APR11	4	1,541.44	50	770.72				
1207-0033	Update CAD Models per Validation	10	02MAY11	26APR11	13MAY11	09MAY11	4	374.73		0.00				
1207-0034	Revise Fabrication & Assembly Drawings per Valid	10	16MAY11	10MAY11	27MAY11	23MAY11	4	999.28		0.00				
1207-0035	Review, Check Drawings	10	31MAY11	24MAY11	13JUN11	07JUN11	4	1,448.90		0.00				
1207-0036	Drawings ready for FDR	1	14JUN11	08JUN11	14JUN11	08JUN11	4	0.00		0.00				
1207-0038	FDR	1	15JUN11*	15JUN11*	15JUN11	15JUN11	0	0.00		0.00				
1207-0042	Prep Req & Procurement Package	3	01FEB13*	01FEB13*	05FEB13	05FEB13	132	3,188.52		0.00				
1207-0043	Submit Req to Procurement	1	05FEB13	05FEB13	05FEB13	05FEB13	132	0.00		0.00				
1207-0044	Procurement Processing	22	05FEB13	05FEB13	06MAR13	06MAR13	132	0.00		0.00				
1207-0045	Submit for Vendor Quotes	1	07MAR13	07MAR13	07MAR13	07MAR13	132	0.00		0.00				
1207-0046	Eval Quotes	43	07MAR13	07MAR13	06MAY13	06MAY13	132	177.14		0.00				
1207-0048	Award / Order Approved	1	07MAY13	07MAY13	07MAY13	07MAY13	132	0.00		0.00				
1207-0050	Receipt of Hardware	60	08MAY13	08MAY13	02AUG13	02AUG13	132	5,095.20		0.00				
1207-0051	QA Inspection	15	05AUG13	05AUG13	23AUG13	23AUG13	132	177.14		0.00				
1207-0052	Resolve Procurement Issues	20	26AUG13	26AUG13	23SEP13	23SEP13	132	0.00		0.00				
1207-0055	Parts ready for installation	1	24SEP13	24SEP13	24SEP13	24SEP13	132	0.00		0.00				
1207-0056	Handling warehouse storage	1	25SEP13	25SEP13	25SEP13	25SEP13	132	111.08		0.00				

Job: 1208 - PF4&5 Verticle Support-SMITH

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY11	FY12	FY13	FY14
1208-0009	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	20	03MAY10A	03MAY10A	28MAY10A	28MAY10A		0.00	100	0.00				
1208-0010	Complete Preliminary CAD Models	5	02JUN10A	02JUN10A	08JUN10A	08JUN10A		0.00	100	0.00				
1208-0011	Mockups:PF4/5 Vert Supp Struct Real Estate Issue	66	03MAY10A	03MAY10A	04AUG10A	04AUG10A		0.00	100	0.00				
1208-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	24	19MAY10A	19MAY10A	22JUN10A	22JUN10A		0.00	100	0.00				
1208-0014	Analysis of Preliminary Design Approved	1	22JUN10A	22JUN10A	22JUN10A	22JUN10A		0.00	100	0.00				
1208-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A		0.00	100	0.00				

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY				
											FY11	FY12	FY13	FY14	
1208-0018	Dsgn Eng & CAD Models: Iterations, Optim & Updat	38	24JUN10A	24JUN10A	17AUG10A	17AUG10A		0.00	100	0.00					
1208-0021	DOE CD-2 (Lehman) Review	1	18AUG10A	18AUG10A	18AUG10A	18AUG10A		0.00	100	0.00					
1208-0028	Det Dsgn Eng, CAD (42 CAD)	110*	16AUG10A	16AUG10A	03FEB11	27JAN11	1	21,222.29	80	16,977.84	EM//EM =38 ; EA//SB =126 ;				
1208-0029	Final Design Analysis	110*	16AUG10A	16AUG10A	03FEB11	27JAN11	1	37,319.88	65	24,257.92	EA//EM =200 ; EA//SB =0 ;				
1208-0030	Design Drawings (23 dwg)	60	04FEB11	28JAN11	21APR11	21APR11	1	25,673.01		0.00	EM//EM =17 ; EA//SB =184 ;				
1208-0032	Validation of Design Complete	10	22APR11	22APR11	05MAY11	05MAY11	1	5,780.40		0.00	EA//EM=30				
1208-0033	Update CAD Models per Validation	10	06MAY11	06MAY11	19MAY11	19MAY11	1	5,246.22		0.00	EA//SB =42 ;				
1208-0034	Revise Fabrication & Assembly Drawings per Valid	10	20MAY11	20MAY11	03JUN11	03JUN11	1	11,491.72		0.00	EA//SB =92 ;				
1208-0035	Review, Check Drawings	5	06JUN11	06JUN11	10JUN11	10JUN11	1	13,023.52		0.00	EM//EM =46 ; EA//SB =46 ;				
1208-0036	Drawings ready for FDR	1	13JUN11	13JUN11	13JUN11	13JUN11	1	0.00		0.00					
1208-0038	FDR	1	14JUN11*	15JUN11*	14JUN11	15JUN11	0	0.00		0.00					
1208-0042	Prep Req & Procurement Package	10	02JUL12*	02JUL12*	16JUL12	16JUL12	62	5,551.68		0.00	EM//EM =32 ;				
1208-0043	Submit Req to Procurement	1	16JUL12	16JUL12	16JUL12	16JUL12	62	0.00		0.00					
1208-0044	Procurement Processing	22	16JUL12	16JUL12	14AUG12	14AUG12	62	0.00		0.00					
1208-0045	Submit for Vendor Quotes	1	15AUG12	15AUG12	15AUG12	15AUG12	62	0.00		0.00					
1208-0046	Eval Quotes	43	15AUG12	15AUG12	15OCT12	15OCT12	62	1,395.39		0.00	EM//EM =08 ;				
1208-0047	Tech Eval of Vendors	43	15AUG12	15AUG12	15OCT12	15OCT12	62	2,790.78		0.00	EM//EM =16 ;				
1208-0048	Award / Order Approved	1	16OCT12	16OCT12	16OCT12	16OCT12	62	0.00		0.00					
1208-0049	Fab & Deliver incl Vendor Oversight	102	17OCT12	17OCT12	20MAR13	20MAR13	62	107,986.40		0.00	EM//EM =40 ; 41=76,440				
1208-0050	Receipt of Hardware	5	21MAR13	21MAR13	27MAR13	27MAR13	62	0.00		0.00					
1208-0051	QA Inspection	10	28MAR13	28MAR13	10APR13	10APR13	62	2,041.52		0.00	EM//EM =4 ; EM//ST =12 ;				
1208-0052	Resolve Procurement Issues	5	11APR13	11APR13	17APR13	17APR13	62	354.28		0.00	EM//EM =02 ;				
1208-0053	Documentation: Assembly Procedures	10	18APR13	18APR13	01MAY13	01MAY13	62	4,251.36		0.00	EM//EM =24 ;				
1208-0054	Assembly of Components	15	02MAY13	02MAY13	22MAY13	22MAY13	62	9,594.96		0.00	EM//EM =4 ; EM//ST =80 ;				
1208-0055	Parts ready for installation	1	23MAY13	23MAY13	23MAY13	23MAY13	62	0.00		0.00					
1208-0057	Handling / Warehouse / Storage	5	24MAY13	24MAY13	31MAY13	31MAY13	121	2,665.92		0.00	EM//ST =24 ;				
Job: 1220 - Misc Structural Design-SMITH															
1220-0016	Final Design Oversight (LOE)	180*	01OCT10	01OCT10A	22JUN11	22JUN11	332	82,902.04	LOE	26,694.46	EM//EM=524				
1220-0017	Design/Analysis support from EMEM (Willard)	79*	01NOV10*	04OCT10A	23DEC10	01FEB11	432	50,627.20	50	25,313.60	EM//EM=320				
1220-0017A	Analysis VV Dome & PF2/3 Rib	98*	05OCT10A	05OCT10A	01FEB11	01MAR11	412	6,328.40	40	2,531.36	EM//EM=40				
1220-0017B	VV & Support Structure - Peer Review	0			30MAR11*	30MAR11*	2,361	0.00		0.00					
1220-0020	Prep for FDR	5	09JUN11*	09JUN11*	15JUN11	15JUN11	0	6,328.40		0.00	EM//EM=40				
1220-0031	Misc/admin	180*	05OCT10A	05OCT10A	24JUN11	24JUN11	330	27,928.42	LOE	8,601.95	EM//EM=156 ea//sb=26				
1220-1 PDR	Prelim Design Oversight	38	03MAY10A	03MAY10A	24JUN10A	24JUN10A		0.00	100	0.00					
1220-2 FDR	Final Design Oversight (LOE)	190*	25JUN10A	25JUN10A	30SEP10A	30SEP10A		40,250.16	100	40,250.16					
Job: 1300 - Center Stack-CHRZANOWSKI															
1300-0010	Engineering & Dsgn Supp-Final Design (LOE)	249*	03MAY10A	03MAY10A	29APR11	29APR11	134	272,028.55	LOE	179,266.81	EA//EM =1,284 ; EA//SB =300 ;				

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY11				FY12				FY13				FY14							
1300-0011	Engineering and Design Support-Title III	698	02MAY11	02MAY11	21FEB14	21FEB14	134	746,937.73		0.00	EA/EM																			
FY101300	FY10 Actual Cost	85	01JAN10A	01JAN10A	30APR10A	30APR10A		48,143.00	100	48,143.00																				
FY101300A	FY10 Actual Cost (Corresponds to BCWP)	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		-4,688.00	100	-4,688.00	81=Net 0																			
Job: 1301 - Outer TF Coils-CHRZANOWSKI																														
1301-0010	Revise Outer TF Coil (OTF) Drawings	20	02JUL12*	02JUL12*	30JUL12	30JUL12	103	19,198.88		0.00	EA/SB =120 ; EM/SM =16 ;																			
1301-0020	Generate Spec & SOW for OTF Purchase	10	31JUL12	31JUL12	13AUG12	13AUG12	103	0.00		0.00																				
1301-0030	Prep Requisition & Submit to Procurement'	5	14AUG12	14AUG12	20AUG12	20AUG12	103	0.00		0.00																				
1301-0040	Bid & Award OTF Manufacturing	30	21AUG12	21AUG12	02OCT12	02OCT12	103	0.00		0.00																				
1301-0050	Provide Existing OTF Tooling to Vendor	1	03OCT12	03OCT12	03OCT12	03OCT12	103	0.00		0.00																				
1301-0060	Manufacture (1) OTF Coil	150	04OCT12	04OCT12	14MAY13	14MAY13	103	122,790.00		0.00	41=90,000 ; 35=3,000 ;																			
1301-0100	Prep Requisitions & Submit to Procurement	15	04SEP12*	04SEP12*	24SEP12	24SEP12	190	0.00		0.00																				
1301-0110	Bid & Award Al Supp Castings & SS Supp Clamps	30	25SEP12	25SEP12	05NOV12	05NOV12	190	0.00		0.00																				
1301-0120	Fab & Del Al Supp Castings & SS Supp Clamps	40	06NOV12	06NOV12	11JAN13	11JAN13	190	22,625.28		0.00	41=15,000 ; EM/SM =16 ;																			
1301-0150	Bid & Award Epoxy/Glass for support blocks	30	25SEP12	25SEP12	05NOV12	05NOV12	190	0.00		0.00																				
1301-0160	Fab & Del Epoxy/Glass	40	06NOV12	06NOV12	11JAN13	11JAN13	190	24,037.92		0.00	41=15,000 ; EM/SM =24 ;																			
1301-0180	Purchase Copper Fittings	20	25SEP12	25SEP12	22OCT12	22OCT12	240	1,971.00		0.00	41=1,500 ;																			
1301-0200	Setup work area to install Supports	10	01MAY13	01MAY13	14MAY13	14MAY13	103	17,772.80		0.00	EM/ST =160 ;																			
1301-0210	Install alum blocks & SS support clamps	30	15MAY13	15MAY13	26JUN13	26JUN13	103	52,292.00		0.00	EM/SM =120 ; EM/ST =3220 ; EM/ST =60 ;																			
1301-0300	Fab Drill Jig for add'l holes in all OTF Flags	5	01OCT13*	01OCT13*	07OCT13	07OCT13	79	11,343.60		0.00	EM/ST =40 ; 41=5,000 ;																			
1301-0310	Drill (24) Add'l holes in all OTF Flags	50	08OCT13	08OCT13	18DEC13	18DEC13	79	45,936.00		0.00	EM/ST =400 ;																			
FY101301	FY10 Actual Cost	22	01APR10A	01APR10A	30APR10A	30APR10A		1,607.00	100	1,607.00																				
FY101301A	FY10 Actual Cost	20	03MAY10A	03MAY10A	28MAY10A	28MAY10A		18,245.00	100	18,245.00																				
Job: 1303 - R&D for TF Joint -KOZUB																														
Material for CSU R&D Plan																														
1303-000A	1.2 Fatigue Test Verification - C18150 (TBD)	101*	01SEP10A	01SEP10A	19NOV10	01FEB11	70	0.00	90	0.00																				
Single Flex Laminate CSU R&D Plan																														
1303-000B2	2.2 In-Place Bending Stiffness	100*	01SEP10A	01SEP10A	15DEC10	31JAN11	81	0.00	50	0.00																				
1303-000B3	2.3 Cyclic, Simulated Combined Tests	100*	01SEP10A	01SEP10A	15DEC10	31JAN11	81	0.00	50	0.00																				
Full Flex Assembly CSU R&D Plan																														
1303-000C1	3.1 Selection Braze vs Solder Between Laminates	1	15SEP10A	15SEP10A	15SEP10A	15SEP10A		0.00	100	0.00																				
1303-000C2	3.2 Manufacture Joint w/Actual Hardware & Copper	22*	01OCT10*	03JAN11	01OCT10	01FEB11	80	0.00		0.00																				
1303-000C3	3.3 Materials for Testing	70*	15OCT10*	15OCT10A	15NOV10	01FEB11	80	0.00	40	0.00																				
1303-000C4	3.4 In-plane Bending Stiffnes (use Joint Sample)	70*	15OCT10*	15OCT10A	15NOV10	01FEB11	80	0.00	50	0.00																				
1303-000C5	3.5 Cyclic, Simulated Combine Test(Joint Sample)	42	01OCT10*	15OCT10A	15DEC10	01FEB11	80	0.00	10	0.00																				
1303-000C6	3.6 Contact Pressure Distribtn/Therml Joint Tst	42	15OCT10*	15OCT10A	15DEC10	01FEB11	80	0.00	20	0.00																				
1303-000C7	Bellville Washer Test	20	04JAN11*	04JAN11		31JAN11*	2,403	0.00		0.00																				
FSW Trials CSU R&D Plan																														
1303-000D1	4.2 Verify C18150 can be Joint C10700 Conductors	1	10SEP10A	10SEP10A	10SEP10A	10SEP10A		0.00	100	0.00																				

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY11	FY12	FY13	FY14	
Joint Inserts CSU R&D Plan															
1303-000E	5.1 Tap-Lok Insert Pullout Strength-Static/Fatig	82*	22NOV10*	13OCT10A	05JAN11	15FEB11	70	0.00	60	0.00					
Insulation Bond Test CSU R&D Plan															
1303-000F	6.1 Verify Shear Bond Strength Copper/Epoxy/Insu	1	29OCT10*	31JAN11*	29OCT10	31JAN11	81	0.00		0.00					
Testing															
1303-001	Test Engineering Design and Analysis	267*	01MAY10A	01MAY10A	25APR11	25MAY11	14	53,002.13	65	34,451.38					
1303-002	Materials Testing	267*	01MAY10A	01MAY10A	25APR11	25MAY11	14	7,645.36	65	4,969.48	em//em= 350				
1303-003	Component Testing	267*	01MAY10A	01MAY10A	25APR11	25MAY11	14	10,925.26	65	7,101.42	em//st=80				
1303-004	Assembly Testing	182*	01SEP10A	01SEP10A	25APR11	25MAY11	14	19,030.81	65	12,370.03	ee//tb=40 em//st=80				
1303-005	Model Fabrication	245*	01MAY10A	01MAY10A	31AUG10A	31AUG10A		0.00	100	0.00	em//st=160				
1303-011	Testing Design Support and M&S	160*	01OCT10*	01OCT10A	25APR11	24MAY11	15	212,541.38	65	138,151.90	EM//EM = 578 hrs; EA//DM=160hrs; M&S = \$80,000				
FY101303	FY10 Actual Cost	85	01JAN10A	01JAN10A	30APR10A	30APR10A		28,278.00	100	28,278.00					
FY101303A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		21,454.00	100	21,454.00	81=19,454				
Job: 1304 - Inner TF Bundle (Ds/Fab)-CHRZANOWSKI															
Inner TF Bundle Design															
1304-0050	Perform Add'l Friction Stir Weld Trials-Phase II	75	01SEP10A	01SEP10A	01OCT10A	01OCT10A		0.00	100	0.00	41=49,000 ;				
1304-0060	Fabricate Flex Bus Assy's for Testing (2)	42*	01SEP10A	01SEP10A	29OCT10	29OCT10A		17,500.00	100	17,500.00	EM//ST =120 ; 41=5,000 ;				
1304-0065	New Insulation Shear R&D Test	43*	16SEP10A	16SEP10A	15NOV10	15NOV10A		27,269.77	100	27,269.77	41=22,000 ;				
1304-0065B	Second Insulation Shear R&D Test (60k cycle tes	60*	24NOV10*	24NOV10A	25FEB11	25FEB11	62	22,680.00	5	1,134.00	41=18,000 ;				
1304-0110	Design-Analyze Tension Strap	15	24JUN10A	24JUN10A	15JUL10A	15JUL10A		0.00	100	0.00					
1304-0130	Complete Analysis if TF Flex Bus	24	26JUL10A	26JUL10A	26AUG10A	26AUG10A		0.00	100	0.00					
1304-0140	Complete & Check Thermal Stresses	15	16JUL10A	16JUL10A	05AUG10A	05AUG10A		0.00	100	0.00					
1304-0150	Maintain input to Willards Flex Model (LOE)	191*	24JUN10A	24JUN10A	03JAN11	31MAR11	38	7,250.29	LOE	4,821.44	EA//EM =40 ;				
1304-0160	Check Willards/Tooling/Fixturing Calculations	40	03JAN11*	04FEB11*	25FEB11	31MAR11	38	23,121.60		0.00	EA//EM =60 ;				
1304-0170	N/R Tooling/Fixturing Calculations	45	31AUG10A	31AUG10A	31AUG10A	31AUG10A		0.00	100	0.00					
1304-0180	N/R Calculation/Write/Check Files	80	31AUG10A	31AUG10A	31AUG10A	31AUG10A		0.00	100	0.00					
1304-0190	Analyze Pins & Crown	138*	24JUN10A	24JUN10A	15OCT10	17JAN11	36	34,880.73	72	25,114.13	EA//EM =200 ;				
1304-0210	Pedestal/Lower Skirt/TF Teeth Analysis	104	02AUG10A	02AUG10A	05JAN11	28MAR11	36	36,783.75	72	26,484.30	EA//EM =200 ;				
1304-0220	Finish Torque for Upper Teeth & Covers Post Proc	124	02AUG10A	02AUG10A	02FEB11	25APR11	36	7,413.27	72	5,337.55	EA//EM =40 ;				
1304-0230	DCPS Input	160	24JUN10A	24JUN10A	16FEB11	09MAY11	11	18,354.18	72	13,215.01	EA//EM =100 ;				
1304-0250	Complete Detail and Assembly CAD Drawings	228*	24JUN10A	24JUN10A	29APR11	23MAY11	1	68,147.01	85	57,924.96	EA//SB =560 ;				
1304-0255	Inner TF Bundle - Peer review	0			16MAY11	16MAY11*	2,328	0.00		0.00					
1304-0260	Prepare for FDR	15	02MAY11	24MAY11	20MAY11	14JUN11	1	4,996.40		0.00	EA//SB =40 ;				
Manufacture Inner TF Conductor															
1304-0460	Generate SOW for TF Conductor	20*	01OCT10A	01OCT10A	28OCT10	28OCT10A		0.00	100	0.00					
1304-0480	Prep Req for TF Conductor & Submit to Proc	25*	01OCT10A	01OCT10A	04NOV10	29OCT10A		0.00	100	0.00					
1304-0500	Bid & Award TF Conductor-Copper Extrusions	30*	05NOV10	01DEC10A	20DEC10	19JAN11	41	0.00		0.00					
1304-0600	Manufacture TF Conductor-Copper Extrusions (56)	90	21DEC10	20JAN11	03MAY11	25MAY11	41	304,920.00		0.00	41=242,000 ;				
1304-0730	Prep Req to Mach Conductors & Submit to Proc	5	16MAR11	16MAR11*	22MAR11	22MAR11	57	0.00		0.00					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY11				FY12				FY13				FY14			
											1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
1304-1170	Prep Spec for Super Bolts	10	03SEP13*	03SEP13*	16SEP13	16SEP13	25	0.00		0.00																
1304-1172	Bid/Award Super Bolts	30	17SEP13	17SEP13	28OCT13	28OCT13	25	0.00		0.00																
1304-1174	Fab & Deliver Super Nuts	100	29OCT13	29OCT13	31MAR14	31MAR14	25	205,414.88		0.00					41=150,000 ; EM//SM =16 ;											
1304-1180	Prep Req Joint Hardware	10	02NOV12*	02NOV12*	15NOV12	15NOV12	167	0.00		0.00																
1304-1182	Bid/Award Joint Hardware	30	16NOV12	16NOV12	09JAN13	09JAN13	167	0.00		0.00																
1304-1184	Fab & Deliver Joint Hardware	30	10JAN13	10JAN13	20FEB13	20FEB13	167	34,412.64		0.00					41=25,000 ; EM//SM =08 ;											
1304-1190	Prep Spec Copper for Lead Ext for Upper ITF	10	02OCT12*	02OCT12*	15OCT12	15OCT12	160	0.00		0.00																
1304-1192	Bid/Award - Copper Lead Ext for Upper ITF	30	16OCT12	16OCT12	28NOV12	28NOV12	160	0.00		0.00																
1304-1194	Fab & Deliver Copper Lead Ext for Upper ITF	60	29NOV12	29NOV12	01MAR13	01MAR13	160	35,825.28		0.00					41=25,000 ; EM//SM =16 ;											
1304-1210	Prep Req for Up/Lwr OF to TF Supp Struct	10	02OCT12*	02OCT12*	15OCT12	15OCT12	160	0.00		0.00																
1304-1212	Bid/Award Up/Lwr OH to TF Supp Struct	30	16OCT12	16OCT12	28NOV12	28NOV12	160	0.00		0.00																
1304-1214	Fab & Del Up/Lwr OH to TF Supp Struct	60	29NOV12	29NOV12	01MAR13	01MAR13	160	39,600.00		0.00									41=30,000 ;							
1304-1220	Pre Req for Cooling Fittings	10	02OCT12*	02OCT12*	15OCT12	15OCT12	200	0.00		0.00																
1304-1222	Bid/Award Cooling Fittings	30	16OCT12	16OCT12	28NOV12	28NOV12	200	0.00		0.00																
1304-1224	Fab & Deliver Cooling Fittings	20	29NOV12	29NOV12	04JAN13	04JAN13	200	8,012.64		0.00																
1304-1230	Prep Req for Tooling for Inst Flex Bus Segments	10	02OCT12*	02OCT12*	15OCT12	15OCT12	170	0.00		0.00																
1304-1232	Bid/Award-Tooling for Inst Flex Bus segments	30	16OCT12	16OCT12	28NOV12	28NOV12	170	0.00		0.00																
1304-1234	Fab/Del Tooling for Inst Flex Bus Segments	50	29NOV12	29NOV12	15FEB13	15FEB13	170	44,188.80		0.00					41=25,000 ; EA//SB =80 ;											
1304-1240	Prep req for Up/Lwr Teeth Interf Struct	10	10SEP12*	10SEP12*	21SEP12	21SEP12	176	0.00		0.00																
1304-1242	Bid/Award Up/Lwr Teeth Interf Struct	30	24SEP12	24SEP12	02NOV12	02NOV12	176	0.00		0.00																
1304-1244	Fab & Deliver Up/Lwr Teeth Interf Struct	60	05NOV12	05NOV12	07FEB13	07FEB13	176	66,000.00		0.00									41=50,000 ;							
FY101304	FY10 Actual Cost	100	01DEC09A	01DEC09A	30APR10A	30APR10A		104,348.00	100	104,348.00																
FY101304A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		134,712.00	100	134,712.00	81=134534															
Job: 1305 - OHMIC Heating Coil (OH)-CHRZANOWSKI																										
Design																										
1305-0100	Finalize Calcs on OH Flow Optimization	25	24JUN10A	24JUN10A	29JUL10A	29JUL10A		0.00	100	0.00																
1305-0110	Check Flow Rates on Cavitation Issues	10	01SEP10A	01SEP10A	15SEP10A	15SEP10A		0.00	100	0.00																
1305-0120	Analyze Coax Lead Box	134*	30JUL10A	30JUL10A	15DEC10	15FEB11	596	18,296.79	71	12,990.72					EA//EM =100 ;											
1305-0140	Fatigue Assessment	111*	02AUG10A	02AUG10A	14JAN11	14JAN11	596	3,689.43	71	2,619.50					EA//EM =20 ;											
1305-0180	Calculation write/check & file	121*	17JAN11	04OCT10A	31MAR11	31MAR11	596	19,268.00	50	9,634.00					EA//EM =60 ; EA//EM =40 ;											
1305-0510	Complete Detail & Assembly CAD Drawings	161*	01OCT10*	01OCT10A	26APR11	25MAY11	4	87,437.00	70	61,205.90					EA//SB =700 ;											
1305-0515	OHMIC Heating Coil - Peer review	0			16MAY11	16MAY11*	2,328	0.00		0.00					EA//SB =40 ;											
1305-0900	Prepare for FDR	10	27APR11	26MAY11	10MAY11	09JUN11	4	4,996.40		0.00					EA//SB =40 ; EM//ST =244 ;											
1305-0910	R&D for Tooling & For "Aquapour"	165*	01JUN10A	01JUN10A	22NOV10	31JAN11	96	52,187.32	85	44,359.22					EM//SM =80 ;											
1305-0915	N/R Additional R&D For "Aquapour"	20*	31AUG10A	31AUG10A	31AUG10A	31AUG10A		0.00	100	0.00																
1305-1410	Design TF Quadrant Mold (2)	30	14FEB11*	14FEB11	25MAR11	25MAR11	7	14,989.20		0.00					EA//SB =120 ;											
1305-1430	Design TF Full Mold (3)	30	28MAR11*	28MAR11	06MAY11	06MAY11	7	19,985.60		0.00					EA//SB =160 ;											
1305-1490	Design Lifting Beam -conductors & coils (4)	15	18APR11	18APR11	06MAY11	06MAY11	7	9,992.80		0.00					EA//SB =80 ;											

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY11												FY12												FY13												FY14											
1305-1580	Design Sandblast Station (5)	20	09MAY11	09MAY11	06JUN11	06JUN11	7	9,992.80		0.00													EA/SB =80 ;																																			
1305-1510	Design Ground Wrap Station (6)	20	07JUN11	07JUN11	05JUL11	05JUL11	270	4,996.40		0.00													EA/SB =40 ;																																			
1305-1450	Design OH Mold (7)	30	06JUL11*	06JUL11	16AUG11	16AUG11	270	19,985.60		0.00													EA/SB =160 ;																																			
1305-1470	Design OH Winding Clamps (8)	25	20JUL11*	20JUL11	30AUG11	23AUG11	270	9,992.80		0.00													EA/SB =80 ;																																			
1305-1530	Design Tension Unit 99)	20	10AUG11	10AUG11	07SEP11	07SEP11	270	9,992.80		0.00													EA/SB =80 ;																																			
1305-1550	Design Mold for OH-TF Castable Material (10)	20	24AUG11	24AUG11	21SEP11	21SEP11	270	7,494.60		0.00													EA/SB =60 ;																																			
1305-1570	Design Braze Station (12)	20	08SEP11	08SEP11	05OCT11	05OCT11	270	10,137.64		0.00													EA/SB =80 ;																																			
1305-1610	Dsgn OH/TF Facility Area Layout incl CleanRoom-1	30	20DEC10*	03JAN11*	16FEB11	11FEB11	7	29,978.40		0.00													EA/SB =240 ;																																			
1305-1620	Electrical Layout to Support Winding Area (11)	40	04APR11*	04APR11*	27MAY11	27MAY11	147	37,771.20		0.00													EM//SM =240 ;																																			
1305-1630	Generate Manufacturing Procedures & Travelers	20	03OCT11*	26SEP11*	28OCT11	21OCT11	252	0.00		0.00																																																
Tooling & Equipment setup																																																										
1305-4010	Remove NCSX Tooling & Spare Parts from NCSX TC	20	01JUN11*	01JUN11*	28JUN11	28JUN11	126	19,842.00		0.00													EM//ST =200 ;																																			
1305-4030	Setup Winding Area	40	29JUN11	29JUN11	24AUG11	24AUG11	126	59,526.00		0.00													EM//ST =600 ;																																			
1305-4050	Setup Winding Equipment	40	03OCT11*	03OCT11*	29NOV11	29NOV11	100	52,219.20		0.00													EM//ST =480 ;																																			
TF/OH Material Procurements																																																										
1304-3350	Spec-TF conductor stands- tube soldering	10	01SEP11*	01SEP11*	15SEP11	15SEP11	81	0.00		0.00																																																
1304-3352	Bid/Award TF Conductor Stands for Soldering	30	16SEP11	16SEP11	27OCT11	27OCT11	81	0.00		0.00																																																
1304-3354	Fab & Del TF Conductor Stands for Soldering	40	28OCT11	28OCT11	03JAN12	03JAN12	81	23,856.40		0.00													EM//ST =160 ; 41=5,000 ;																																			
1304-3450	Spec-TF conductor stands- for insulating	20	01SEP11*	01SEP11*	29SEP11	29SEP11	178	0.00		0.00																																																
1304-3452	Bid/Award TF Conductor Stand for Insulating	30	30SEP11	30SEP11	10NOV11	10NOV11	178	0.00		0.00																																																
1304-3454	Fab & Del TF Conductor Stands for Insulating	60	11NOV11	11NOV11	14FEB12	14FEB12	178	25,800.00		0.00													41=20,000 ;																																			
1304-3550	Spec TF Quadrant mold	20	01SEP11*	01SEP11*	29SEP11	29SEP11	183	0.00		0.00																																																
1304-3552	Bid/Award-TF Quadrant Mold	30	30SEP11	30SEP11	10NOV11	10NOV11	183	0.00		0.00																																																
1304-3554	Fab & Deliver TF Quadrant Mold	60	11NOV11	11NOV11	14FEB12	14FEB12	183	107,706.40		0.00													EM//ST =160 ; 41=70,000 ;																																			
1304-3600	Spec - TF Full coil mold	20	01MAR12*	01MAR12*	28MAR12	28MAR12	170	0.00		0.00																																																
1304-3602	Bid/Award TF Full Coil Mold	30	29MAR12	29MAR12	09MAY12	09MAY12	170	0.00		0.00																																																
1304-3604	Fab & Deliver Full TF Coil Mold	60	10MAY12	10MAY12	03AUG12	03AUG12	170	127,056.40		0.00													EM//ST =160 ; 41=85,000 ;																																			
1304-3700	Spec - VPI delivery system	20	01SEP11*	01SEP11*	29SEP11	29SEP11	193	0.00		0.00																																																
1304-3702	Bid/Award VPI Delivery System	30	30SEP11	30SEP11	10NOV11	10NOV11	193	0.00		0.00																																																
1304-3704	Fab & Deliver VPI Delivery System	60	11NOV11	11NOV11	14FEB12	14FEB12	193	43,206.40		0.00													EM//ST =160 ; 41=20,000 ;																																			
1304-3800	Spec - Lift beam- conductor	20	01SEP11*	01SEP11*	29SEP11	29SEP11	226	0.00		0.00																																																
1304-3802	Bid/Award Lift Beam Conductor	30	30SEP11	30SEP11	10NOV11	10NOV11	226	0.00		0.00																																																
1304-3804	Fab & Deliver Lift Beam for Conductor	40	11NOV11	11NOV11	17JAN12	17JAN12	226	28,053.20		0.00													41=15,000 ; EM//ST =80 ;																																			
1304-3900	Spec - Lift Beam for coil	20	26SEP11*	01SEP11*	21OCT11	29SEP11	198	0.00		0.00																																																
1304-3902	Bid/Award - Lift Beam for Coil	30	24OCT11	30SEP11	06DEC11	10NOV11	198	0.00		0.00																																																
1304-3904	Fab & deliver Lift Beam for Coil	40	07DEC11	11NOV11	08FEB12	17JAN12	198	40,953.20		0.00													41=25,000 ; EM//ST =80 ;																																			
1305-1900	Spec- Taping machines [2]	20	02JUL12*	02JUL12*	30JUL12	30JUL12	107	0.00		0.00																																																
1305-1902	Bid/Award - Taping Machines	30	31JUL12	31JUL12	11SEP12	11SEP12	107	0.00		0.00																																																
1305-1904	Fab & Deliver Taping Machines	60	01OCT12*	01OCT12*	03JAN13	03JAN13	94	33,000.00		0.00													41=25,000 ;																																			

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY				
											FY11	FY12	FY13	FY14	
1305-2000	Spec- Tension unit	20	02JUL12*	02JUL12*	30JUL12	30JUL12	107	0.00		0.00					
1305-2002	Bid/Award Tension Unit	30	31JUL12	31JUL12	11SEP12	11SEP12	107	0.00		0.00					
1305-2004	Fab & Deliver Tension Unit	60	01OCT12*	01OCT12*	03JAN13	03JAN13	94	35,416.00		0.00					
1305-2100	Spec-Braze unit	20	01JUN12*	01JUN12*	28JUN12	28JUN12	108	0.00		0.00					
1305-2102	Bid/Award Braze Station	30	29JUN12	29JUN12	10AUG12	10AUG12	108	0.00		0.00					
1305-2104	Fab & Deliver Braze Station	80	13AUG12	13AUG12	05DEC12	05DEC12	108	130,725.00		0.00					
1305-2200	Spec-Braze fixture and work coil	20	02JUL12*	02JUL12*	30JUL12	30JUL12	107	0.00		0.00					
1305-2210	Bid/Award Braze Fixture for Work Coil	30	31JUL12	31JUL12	11SEP12	11SEP12	107	0.00		0.00					
1305-2220	Fab & Deliver Braze Fixture for Work Coil	60	01OCT12*	01OCT12*	03JAN13	03JAN13	94	26,529.60		0.00					
1305-2300	Spec Winding machine for OH	20	03JAN12*	03JAN12*	30JAN12	30JAN12	185	0.00		0.00					
1305-2310	Bid/Award Winding Machine for OH	60	31JAN12	31JAN12	23APR12	23APR12	185	0.00		0.00					
1305-2320	Fab & Deliver Winding Machine for OH	80	24APR12	24APR12	15AUG12	15AUG12	185	161,250.00		0.00					
1305-2400	Spec - Mold for OH-TF spacer [Aquapour]	20	26SEP11*	01SEP11*	21OCT11	29SEP11	314	0.00		0.00					
1305-2410	Bid/Award Mold for OH-TF Spacer	30	24OCT11	30SEP11	06DEC11	10NOV11	314	0.00		0.00					
1305-2420	Fab & Deliver Mold for OH-TF Spacer	60	07DEC11	11NOV11	07MAR12	14FEB12	314	12,900.00		0.00					
1305-2500	Spec - OH winding clamps- 4-sets	20	26SEP11*	01SEP11*	21OCT11	29SEP11	314	0.00		0.00					
1305-2510	Bid/Award OH Winding Clamps - 4 sets	30	24OCT11	30SEP11	06DEC11	10NOV11	314	0.00		0.00					
1305-2520	Fab & Deliver OH Winding Clamps 4 sets	60	07DEC11	11NOV11	07MAR12	14FEB12	314	25,800.00		0.00					
1305-2600	Spec - OH Mold	20	01MAY12*	01JUN12*	29MAY12	28JUN12	108	0.00		0.00					
1305-2610	Bid/Award OH Mold	30	30MAY12	29JUN12	11JUL12	10AUG12	108	0.00		0.00					
1305-2620	Fab & Deliver OH Mold	80	12JUL12	13AUG12*	01NOV12	05DEC12	108	127,931.32		0.00					
1305-2650	Spec SandBlast Unit	20	26SEP11*	01SEP11*	21OCT11	29SEP11	123	0.00		0.00					
1305-2652	Bid/Award Sanblast Unit	30	24OCT11	30SEP11	06DEC11	10NOV11	123	0.00		0.00					
1305-2654	Fab & Deliver Sandblast Unit	80	07DEC11	11NOV11	04APR12	13MAR12	123	32,404.80		0.00					
1305-2700	Miscellaneous tools & fixtures	20	26SEP11*	01SEP11*	21OCT11	29SEP11	294	0.00		0.00					
1305-2702	Bid/Award Misc Tools & Fixtures	30	24OCT11	30SEP11	06DEC11	10NOV11	294	0.00		0.00					
1305-2704	Fab & deliver Misc Tools & Fixtures	80	07DEC11	11NOV11	04APR12	13MAR12	294	60,612.80		0.00					
1305-2800	Spec - "Aquapour"- castable material	20	26SEP11*	01SEP11*	21OCT11	29SEP11	314	0.00		0.00					
1305-2802	Bid/Award Aquapour	30	24OCT11	30SEP11	06DEC11	10NOV11	314	0.00		0.00					
1305-2820	Fab & Deliver Aquapour	60	07DEC11	11NOV11	07MAR12	14FEB12	314	12,900.00		0.00					
1305-2900	Spec-Insulation [fibreg tape, teflon and gnd p	20	26SEP11*	01SEP11*	21OCT11	29SEP11	178	0.00		0.00					
1305-2902	Bid/Award - Insulation	30	24OCT11	30SEP11	06DEC11	10NOV11	178	0.00		0.00					
1305-2904	Fab & Deliver Insulation	60	07DEC11	11NOV11	07MAR12	14FEB12	178	25,800.00		0.00					
1305-3000	Epoxy- CTD-101	20	26SEP11*	01SEP11*	21OCT11	29SEP11	178	0.00		0.00					
1305-3002	Bid/Award Epoxy-CTD-101	30	24OCT11	30SEP11	06DEC11	10NOV11	178	0.00		0.00					
1305-3004	Fab & Deliver Epoxy-CTD-101	60	07DEC11	11NOV11	07MAR12	14FEB12	178	19,350.00		0.00					
1305-3100	Spec-Copper pre-tinned tubing [TF conductor]	20	26SEP11*	01SEP11*	21OCT11	29SEP11	81	0.00		0.00					
1305-3102	Bid/Award Copper pre-tinned tubing	30	24OCT11	30SEP11	06DEC11	10NOV11	81	0.00		0.00					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY				
											FY11	FY12	FY13	FY14	
1305-3104	Fab & Deliver pre-tinned tubing	30	07DEC11	11NOV11	25JAN12	03JAN12	81	6,450.00		0.00					
1305-3200	G-10 Filler modifications	40	03OCT11*	03OCT11*	29NOV11	29NOV11	227	17,608.50		0.00					
1305-3300	Req/Order - Conductor primer	20	26SEP11*	08SEP11*	21OCT11	05OCT11	229	0.00		0.00					
1305-3310	Fab & Deliver Conductor Primer	40	24OCT11	06OCT11	20DEC11	02DEC11	229	2,580.00		0.00					
1305-3400	Req/Order-Safety and PPE equipment and supplies	20	26SEP11*	01SEP11*	21OCT11	29SEP11	81	0.00		0.00					
1305-3410	Fab & Deliver Safety & PPE	40	24OCT11	30SEP11	20DEC11	28NOV11	81	6,450.00		0.00					
1305-3500	Req/Order Miscellaneous supplies	30	26SEP11*	01SEP11*	04NOV11	13OCT11	198	0.00		0.00					
1305-3510	Fab & Deliver Misc Supplies	60	07NOV11	14OCT11	08FEB12	17JAN12	198	25,800.00		0.00					
1305-3600	Req/OrderRTV and silicone caulk for mold sealing	20	26SEP11*	01SEP11*	21OCT11	29SEP11	248	0.00		0.00					
1305-3610	Fab & Deliver RTV & Silcone for Mold Sealing	20	24OCT11	30SEP11	18NOV11	27OCT11	248	6,450.00		0.00					
1305-3700	Specify-valves & fittings (VPI Disposables)	20	26SEP11*	01SEP11*	21OCT11	29SEP11	198	0.00		0.00					
1305-3710	Bid/Awad-Valves & Fittings (VPI)	30	24OCT11	30SEP11	06DEC11	10NOV11	198	0.00		0.00					
1305-3720	Fab & Deliver Valves-Fittings (VPI)	40	07DEC11	11NOV11	08FEB12	17JAN12	198	12,900.00		0.00					
1305-3800	spec-High &Low Temp Vac Tubing (VPI)	20	03OCT11*	03OCT11*	28OCT11	28OCT11	177	0.00		0.00					
1305-3810	Bid/Award High & Low Temp Vac Tubing (VPI)	30	31OCT11	31OCT11	13DEC11	13DEC11	177	0.00		0.00					
1305-3820	Fab & deliver High & Low Temp Vac Tube (VPI)	40	14DEC11	14DEC11	15FEB12	15FEB12	177	12,900.00		0.00					
1305-3900	Fabricate - VPI manifolds	40	03OCT11*	03OCT11*	29NOV11	29NOV11	227	28,208.00		0.00					
OH Conductor & Other Hardware															
1305-0920	Generate SOW for OH Conductor	20	16JUL12*	16JUL12*	10AUG12	10AUG12	83	0.00		0.00					
1305-0930	Prep Requisition & Submit to Procurement	5	13AUG12	13AUG12	17AUG12	17AUG12	83	0.00		0.00					
1305-0940	Bid & Award OH Conductor Fabrication	30	20AUG12	20AUG12	01OCT12	01OCT12	83	0.00		0.00					
1305-0950	Manufacture OH Copper Conductor	70	02OCT12	02OCT12	18JAN13	18JAN13	83	139,392.00		0.00					
1305-0960	Generate Requisition for Kapton/Glass Insulation	5	13AUG12*	13AUG12*	17AUG12	17AUG12	103	1,380.64		0.00					
1305-0980	Bid & Award Kapton/Glass Insulation	30	20AUG12	20AUG12	01OCT12	01OCT12	103	0.00		0.00					
1305-1000	Fab & Deliver Kapton/Glass Insulation	50	02OCT12	02OCT12	12DEC12	12DEC12	103	34,412.64		0.00					
1305-1010	Prep Requisition for Belleville Washer Assembly	10	13AUG12*	13AUG12*	24AUG12	24AUG12	98	0.00		0.00					
1305-1030	Bid & Award Belleville Washer Assembly	30	27AUG12	27AUG12	08OCT12	08OCT12	98	0.00		0.00					
1305-1050	Fab & Deliver Belleville Washer Assembly	50	09OCT12	09OCT12	19DEC12	19DEC12	98	46,200.00		0.00					
1305-1060	Prepare Requisition for G-10 Fillers	10	13AUG12*	13AUG12*	24AUG12	24AUG12	88	0.00		0.00					
1305-1080	Bid & Award G-10 Fillers	30	27AUG12	27AUG12	08OCT12	08OCT12	88	0.00		0.00					
1305-1100	Fab & Deliver G-10 Filers	60	09OCT12	09OCT12	11JAN13	11JAN13	88	46,200.00		0.00					
1305-1110	Prep Requisition for Lead Blocks & Cooling Fitti	10	13AUG12*	13AUG12*	24AUG12	24AUG12	68	0.00		0.00					
1305-1130	Bid & Award Lead Blocks & Cooling Fittings	30	27AUG12	27AUG12	08OCT12	08OCT12	68	0.00		0.00					
1305-1150	Fab & Deliver Lead Blocks & Cooling Fittings	80	09OCT12	09OCT12	08FEB13	08FEB13	68	39,600.00		0.00					
1305-1160	Prep Requisition for Misc Parts	10	20AUG12*	20AUG12*	31AUG12	31AUG12	83	0.00		0.00					
1305-1180	Bid & Award Misc Parts	30	04SEP12	04SEP12	15OCT12	15OCT12	83	0.00		0.00					
1305-1200	Fab & Deliver Misc Parts	60	16OCT12	16OCT12	18JAN13	18JAN13	83	19,800.00		0.00					
1305-1210	Prep Requisition for OH Lwr Lead & Supt Struct	10	20AUG12*	20AUG12*	31AUG12	31AUG12	83	0.00		0.00					
1305-1230	Bid & Award OH Lwr Lead & Supt Struct	30	04SEP12	04SEP12	15OCT12	15OCT12	83	0.00		0.00					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY								
											FY11	FY12	FY13	FY14					
1305-8000	Prepare VPI operation	3	13AUG13	13AUG13	15AUG13	15AUG13	17	10,663.68		0.00								EM//ST =96 ;	
1305-8100	VPI- mold	2	16AUG13	16AUG13	19AUG13	19AUG13	17	7,109.12		0.00								EM//ST =64 ;	
1305-8200	Cure VPI'd coil	8	20AUG13	20AUG13	29AUG13	29AUG13	17	7,109.12		0.00								EM//ST =64 ;	
1305-8300	Remove mold from OH coil	1	30AUG13	30AUG13	30AUG13	30AUG13	17	3,554.56		0.00								EM//ST =32 ;	
1305-8400	Cleanup OH coil	2	03SEP13	03SEP13	04SEP13	04SEP13	17	3,554.56		0.00								EM//ST =32 ;	
1305-8500	Silverplate all electrical surfaces [OH/TF]	3	05SEP13	05SEP13	09SEP13	09SEP13	17	2,665.92		0.00								EM//ST =24 ;	
1305-8600	Perform Final OH electrical tests	1	10SEP13	10SEP13	10SEP13	10SEP13	17	1,777.28		0.00								EM//ST =16 ;	
1305-8700	Remove intermediate spacer between OH and TF bun	5	11SEP13	11SEP13	17SEP13	17SEP13	17	13,329.60		0.00								EM//ST =120 ;	
1305-8800	Perform hydrostat and flow tests- OH/TF coils	3	18SEP13	18SEP13	20SEP13	20SEP13	17	5,331.84		0.00								EM//ST =48 ;	
1305-8900	Transport to CS assembly station	1	23SEP13	23SEP13	23SEP13	23SEP13	17	4,443.20		0.00								EM//ST =40 ;	
OH TIG Braze Test CSU R&D Plan																			
1303-000G	7.1 Layer t/layerBraze Tst after Conductor Proc	1	01OCT10*	01FEB11*	01OCT10	01FEB11	80	0.00		0.00									
OH Conductor Brazes CSU R&D Plan																			
1303-000H	8.1 Inline Braze Test after Conductor Procurement	1	01OCT10*	01FEB11*	01OCT10	01FEB11	80	0.00		0.00									
OH-TF Spacer Test CSU R&D Test																			
1303-000I	9.1 Test MTRL/Process f/Manufact to 0.1" Gap	1	01OCT10*	01FEB11*	01OCT10	01FEB11	80	0.00		0.00									
FY091310	FY09 Actual Cost	22*	23FEB09A	23FEB09A	30SEP09A	30SEP09A		1,051,480.00	100	1,051,480.00									
FY091315	FY09 Actual Cost	22*	23FEB09A	23FEB09A	30SEP09A	30SEP09A		4,085.00	100	4,085.00									
FY101305	FY10 Actual Cost	85	01JAN10A	01JAN10A	30APR10A	30APR10A		168,034.00	100	168,034.00									
FY101305A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		101,411.00	100	101,411.00									
Job: 1306 - Inner PF Coils-CHRZANOWSKI																			
1306-1010	Complete Inner PF Coil Analysis	106*	01DEC10*	04OCT10A	12JAN11	03JAN11A		15,308.00	100	15,308.00								EA//EC =100 ;	
1306-1020	PF Lead & Flag Analysis	129*	30JUL10A	30JUL10A	12JAN11	03JAN11A		9,718.49	100	9,718.49								EA//EC =60 ;	
1306-1030	Fatigue Assessment & DCPS	15	13JAN11	03JAN11	02FEB11	21JAN11	87	9,184.80		0.00								EA//EC =60 ;	
1306-1040	Calculation Write/Check/File	15	03FEB11	24JAN11	23FEB11	11FEB11	87	9,184.80		0.00								EA//EC =60 ;	
1306-1040A	Modeling for Inner PF	63*	03MAY10A	03MAY10A	31AUG10A	31AUG10A		0.00	100	0.00									
1306-1050	Compl CAD Detail and Assembly Dwgs for Inner PF	127*	23AUG10A	23AUG10A	28FEB11	28FEB11	10	51,055.48	85	43,397.16								EA//SB =416 ; 2010=00 ;	
1306-1055	Inner PF Bundle - Peer review	0			16MAY11	16MAY11*	2,328	0.00		0.00									
1306-1060	Prepare for FDR	66*	01MAR11	01MAR11	14MAR11	01JUN11	10	2,997.84		0.00								EA//SB =24 ;	
1306-2010	Generate SOW for Inner PF Conductor	10	10OCT11*	10OCT11*	21OCT11	21OCT11	179	0.00		0.00									
1306-2020	Prep Spec for Inner PF Conductor	5	24OCT11	24OCT11	28OCT11	28OCT11	179	0.00		0.00									
1306-2030	Bid/Award - Inner PF Conductor	30	31OCT11	31OCT11	13DEC11	13DEC11	179	0.00		0.00									
1306-2050	Fab & Deliver Inner PF Conductor	70	14DEC11	14DEC11	28MAR12	28MAR12	179	59,856.00		0.00								41=46,400 ;	
1306-3010	Prep Req for Kapton/Glass Insulation	10	03OCT11*	03OCT11*	14OCT11	14OCT11	209	0.00		0.00									
1306-3020	Bid/Award Kapton/Glass Insulation	30	17OCT11	17OCT11	29NOV11	29NOV11	209	1,380.64		0.00								EM//SM =08 ;	
1306-3030	Fab & Deliver Kapton/Glass Insulation	50	30NOV11	30NOV11	15FEB12	15FEB12	209	28,906.44		0.00								41=20,000 ; EM//SM =18 ;	
1306-4010	Prep SOW for SS Supp for PF1A/B Coils	20	03OCT11*	03OCT11*	28OCT11	28OCT11	169	0.00		0.00									
1306-4020	Bid/Award SS Supp for PF1A/B	30	31OCT11	31OCT11	13DEC11	13DEC11	169	0.00		0.00									

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY				
											FY11	FY12	FY13	FY14	
1306-4030	Fab & Deliver SS Supp for PF1A/B	80	14DEC11	14DEC11	11APR12	11APR12	169	138,483.20		0.00					
1306-5010	Generate SOW & Spec for Inner PF Coil Fab	15	02APR12*	02APR12*	20APR12	20APR12	127	0.00		0.00					
1306-5020	Prep Req for Inner PF Fabrication	5	23APR12	23APR12	27APR12	27APR12	127	0.00		0.00					
1306-5030	Bid/Award Inner PF Fabrication	30	30APR12	30APR12	11JUN12	11JUN12	127	0.00		0.00					
1306-5050	Fab & Deliver Inner PF Coils	200	02JUL12*	02JUL12*	22APR13	22APR13	113	264,841.80		0.00					
FY101306	FY10 Actual Cost	100	01DEC09A	01DEC09A	30APR10A	30APR10A		57,253.00	100	57,253.00					
FY101306A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		20,513.00	100	20,513.00					
Job: 1307 - CS Casing Assembly -CHRZANOWSKI															
1307-1010	Complete CAD Detail & Assy Drawings (Prelim)	104	03MAY10A	03MAY10A	31AUG10A	31AUG10A		0.00	100	0.00					
1307-1010A	Complete CAD Detail & Assy Drawings (Final)	48	01FEB11*	01FEB11*	07APR11	07APR11	10	29,478.76		0.00					
1307-1020	Complete Bellow & Ceramic Break Analysis	148*	24JUN10A	24JUN10A	31JAN11	31JAN11	1	10,968.05	82	8,993.80					
1307-1030	Complete Halo Loading	133*	16JUL10A	16JUL10A	31JAN11	31JAN11	1	14,726.12	82	13,253.51					
1307-1040	Complete-Maintain Heat Balance Cooling Calcs	113*	13AUG10A	13AUG10A	31JAN11	31JAN11	1	14,904.34	82	12,221.56					
1307-1050	Integrate Thermal, Halo, Dsir Loads into Calcs	78*	01FEB11	04OCT10A	28FEB11	31JAN11	1	15,414.40	82	12,639.81					
1307-1060	Fatigue Assessments	25*	01MAR11	20DEC10A	07MAR11	31JAN11	58	3,853.60	82	3,159.95					
1307-1150	Prepare for FDR	38*	08APR11	08APR11	15APR11	01JUN11	10	2,997.84		0.00					
1307-1155	CS Casing Assembly - Peer review	0			16MAY11	16MAY11*	2,328	0.00		0.00					
1307-2010	Prep CS Casing SOW & Requisition	20	03JAN12*	03JAN12*	30JAN12	30JAN12	221	0.00		0.00					
1307-2020	Bid/Award CS Casing Contract	30	31JAN12	31JAN12	12MAR12	12MAR12	221	2,580.00		0.00					
1307-2030	Fabricate CS Casing	150	25JUN12*	25JUN12*	04FEB13	04FEB13	148	307,031.33		0.00					
1307-2040	Spec/Requisition Inconel Bellows	20	03OCT11*	03OCT11*	28OCT11	28OCT11	219	0.00		0.00					
1307-2050	Bid/Award Inconel Bellows	30	31OCT11	31OCT11	13DEC11	13DEC11	219	0.00		0.00					
1307-2060	Fab & Deliver Inconel Bellows	60	14DEC11	14DEC11	14MAR12	14MAR12	219	45,150.00		0.00					
1307-2070	Spec/Requisition Rotatable Flanges	20	04SEP12*	04SEP12*	01OCT12	01OCT12	291	0.00		0.00					
1307-2080	Bid/Award Rotatable Flanges	30	02OCT12	02OCT12	12NOV12	12NOV12	291	0.00		0.00					
1307-2090	Fab & Deliver Rotatable Flanges	60	01OCT13*	01OCT13*	06JAN14	06JAN14	74	23,085.00		0.00					
1307-2100	Spec/Requisition CHI Copper Leads U&L	20	01AUG12*	01AUG12*	28AUG12	28AUG12	193	0.00		0.00					
1307-2110	Bid/Award CHI Copper Leads	30	29AUG12	29AUG12	10OCT12	10OCT12	193	0.00		0.00					
1307-2120	Fab & Deliver CHI copper Leads U&L	60	11OCT12	11OCT12	15JAN13	15JAN13	193	21,120.00		0.00					
1307-2130	Spec/Requisition CS Casing Support Structure	20	04SEP12*	04SEP12*	01OCT12	01OCT12	261	0.00		0.00					
1307-2140	Bid/Award CS Casing Support Structure	30	02OCT12	02OCT12	12NOV12	12NOV12	261	0.00		0.00					
1307-2150	Fab & Deliver CS Casing Support Structure	80	13NOV12	13NOV12	15MAR13	15MAR13	261	39,600.00		0.00					
1307-2160	Spec/Requisition Weld Material	20	26SEP11*	01SEP11*	21OCT11	29SEP11	240	0.00		0.00					
1307-2170	Bid/Award Weld Material	30	24OCT11	30SEP11	06DEC11	10NOV11	240	0.00		0.00					
1307-2180	Fab & Deliver Weld Material	60	07DEC11	11NOV11	07MAR12	14FEB12	240	7,830.64		0.00					
1307-2190	Spec/Requisition Misc M&S	20	26SEP11*	01SEP11*	21OCT11	29SEP11	240	0.00		0.00					
1307-2200	Bid/Award Misc M&S	30	24OCT11	30SEP11	06DEC11	10NOV11	240	0.00		0.00					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY				
											FY11	FY12	FY13	FY14	
1307-2210	Fab & deliver Misc M&S	60	07DEC11	11NOV11	07MAR12	14FEB12	240	9,211.28		0.00					
1307-2220	Spec/requisition Ceramic Insulators	20	04SEP12*	04SEP12*	01OCT12	01OCT12	291	0.00		0.00					
1307-2230	Bid/Award Creamic Insulators	30	02OCT12	02OCT12	12NOV12	12NOV12	291	0.00		0.00					
1307-2240	Fab & Deliver Ceramic Insulators	60	13NOV12	13NOV12	15FEB13	15FEB13	291	105,600.00		0.00					
1307-2250	Spec/Requisition CB SS Structure	20	26SEP11*	01SEP11*	21OCT11	29SEP11	210	0.00		0.00					
1307-2260	Bid/Award CB SS Structure	30	24OCT11	30SEP11	06DEC11	10NOV11	210	0.00		0.00					
1307-2270	Fab & Deliver CB SS Structure	60	07DEC11	11NOV11	07MAR12	14FEB12	210	58,050.00		0.00					
1307-2280	30Spec/Requisition Viton O Rings	20	04SEP12*	04SEP12*	01OCT12	01OCT12	321	0.00		0.00					
1307-2290	Bid/Award Viton O Rings	30	02OCT12	02OCT12	12NOV12	12NOV12	321	0.00		0.00					
1307-2300	Fab & Deliver Viton O Rings	30	13NOV12	13NOV12	04JAN13	04JAN13	321	8,012.64		0.00					
1307-2310	Spec/Requisition Organ Pipe Adapters & Feedthrus	20	04SEP12*	04SEP12*	01OCT12	01OCT12	180	0.00		0.00					
1307-2320	Bid/Award Organ Pipe Adapters & Feedthrus	30	02OCT12	02OCT12	12NOV12	12NOV12	180	0.00		0.00					
1307-2330	Fab & Deliver Organ Pipe Adapters & Feedthrus	50	13NOV12	13NOV12	01FEB13	01FEB13	180	50,437.92		0.00					
1307-2340	Design Stud Installation Fixture	20	03OCT12*	03OCT12*	30OCT12	30OCT12	219	11,188.80		0.00					
1307-2350	Fabricate Fixture for Stud Installation	20	31OCT12	31OCT12	29NOV12	29NOV12	219	15,969.60		0.00					
1307-3010	Assemble & Test Ceramic Breaks incl PF1C Coil	20	23APR13	23APR13	20MAY13	20MAY13	225	31,919.20		0.00					
FY101307	FY10 Actual Cost	100	01DEC09A	01DEC09A	30APR10A	30APR10A		55,426.00	100	55,426.00					
FY101307A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		19,421.00	100	19,421.00					
Job: 1310 - CSU Magnet Systems-CHRZANOWSKI															
FY101310	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A		441,918.00	100	441,918.00					
Job: 1302 - Center Stack Assembly-CHRZANOWSKI															
1302-0050	CAD Support for Setup of CS Assembly Area	25	03OCT11*	03OCT11*	04NOV11	04NOV11	404	27,396.00		0.00					
1302-0060	Generate CS Assembly Procedure	10	26SEP11	26SEP11*	07OCT11	07OCT11	389	0.00		0.00					
1302-0070	Generate CS Installation Procedure	10	10OCT11	10OCT11	21OCT11	21OCT11	389	0.00		0.00					
1302-0080	Modify CS Assembly Fixture	20	12NOV12	12NOV12	11DEC12	11DEC12	180	45,302.40		0.00					
1302-0090	Setup CS Assembly Area	30	01OCT12*	01OCT12*	09NOV12	09NOV12	180	81,642.72		0.00					
1302-0150	Receive OH/TF Assembly	1	24SEP13	24SEP13	24SEP13	24SEP13	17	0.00		0.00					
1302-0160	Receive Inner PF Coils	1	23APR13*	23APR13*	23APR13	23APR13	113	0.00		0.00					
1302-0170	Perf Accept Elect & Hydr test on PF Coils	5	24APR13	24APR13	30APR13	30APR13	113	6,903.84		0.00					
1302-0180	Wrap PF1A Coil with Microtherm	5	01MAY13	01MAY13	07MAY13	07MAY13	113	4,443.20		0.00					
1302-0200	Receive CS Vacuum Casing	1	05FEB13	05FEB13	05FEB13	05FEB13	148	0.00		0.00					
1302-0210	Install Inconel Weld Studs on Casing Wall	20	06FEB13	06FEB13	05MAR13	05MAR13	148	27,159.20		0.00					
1302-0220	Mount Upper & Lower PF1B Coils to CS Casing	10	06MAR13	06MAR13	19MAR13	19MAR13	148	15,995.52		0.00					
1302-1500	Assemble CS (OH Diag, Microtherm, Casing PFCs)	120	01OCT13*	01OCT13*	31MAR14	31MAR14	13	726,313.00		0.00					
1302-1550	Deliver CS to NTC	1	01APR14	01APR14	01APR14	01APR14	13	0.00		0.00					
1302-1600	Tear Down Assembly Area	20	01APR14	01APR14	28APR14	28APR14	108	54,901.92		0.00					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY11	FY12	FY13	FY14
1305-0200	Analysis of Mfg Tooling & CS Support Fixture	25	24OCT11*	24OCT11*	29NOV11	29NOV11	389	0.00		0.00				
Job: 2300 - Other Analysis-TITUS														
2300-0011	Run Other GRD disruptions for the HHFW antenna	155*	01JUN10A	01JUN10A	31AUG10A	17JAN11	4	0.00	50	0.00	EA/EM =000 ;			
2300-0012	Updat HHFW Antenna	155*	01JUN10A	01JUN10A	31AUG10A	17JAN11	4	0.00	50	0.00	EA/EM =00 ;			
2300-0013	Maintain/Update Diagnostic Database	66	01JUN10A	01JUN10A	31AUG10A	31AUG10A		0.00	100	0.00				
2300-0014	File Preliminary Database/Study	66	01JUN10A	01JUN10A	31AUG10A	31AUG10A		0.00	100	0.00				
2300-0015	Check/Complete Disruption and Thermal Analyses	117*	01SEP10A	01SEP10A	01APR11	23FEB11	4	18,958.98	15	2,843.85	EA/EM =100 ;			
2300-0016	Present/track recommendations	117*	01SEP10A	01SEP10A	01APR11	23FEB11	4	18,958.98	5	947.95	EA/EM =100 ;			
2300-0018	FDR Prep	65	04APR11	24FEB11	27MAY11	25MAY11	4	19,268.00		0.00	EA/EM =100 ;			
2300-0018A	Other Analysis - Peer review	0			16MAY11	16MAY11*	2,328	0.00		0.00	EM/EC =20 ;			
2300-0019	CONDUCT FDR	10	31MAY11	26MAY11	06JUN11	09JUN11*	4	3,853.60		0.00				
FY102300	FY10 Actual Cost	22	01APR10A	01APR10A	30APR10A	30APR10A		3,904.00	100	3,904.00				
FY102300A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		19,255.00	100	19,255.00				
Job: 2420 - 2nd NBI Sources-CROPPER														
Design														
24200020	PDR Prep PPL	26	17MAY10A	17MAY10A	22JUN10A	22JUN10A		0.00	100	0.00				
24200050	CONDUCT PDR	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A		0.00	100	0.00				
24200059	Peer Review	0			31MAR11	31MAR11	53	0.00		0.00				
24200060	FDR Prep PPL	20	17MAY11	16MAY11*	14JUN11	13JUN11	1	2,485.12		0.00	EE/SM =16 ;			
24200090	CONDUCT FDR	1	15JUN11	14JUN11	15JUN11	14JUN11	1	1,242.56		0.00	EE/SM =08 ;			
Procure, Fab & Assembly														
24200100	Prep Requisition and procurement package	5	15MAY13*	15MAY13*	21MAY13	21MAY13	20	6,956.40		0.00			EE/SM =40 ;	
24200110	SUBMIT REQ TO PROCUREMENT	1	22MAY13	22MAY13	22MAY13	22MAY13	20	1,391.28		0.00			EE/SM =08 ;	
24200120	Procurement lead time (1)	15	23MAY13	23MAY13	13JUN13	13JUN13	20	0.00		0.00				
24200130	AWARD	1	14JUN13	14JUN13	14JUN13	14JUN13	20	0.00		0.00				
24200150	Fabricate or delivery	40	17JUN13	17JUN13	13AUG13	13AUG13	20	87,120.00		0.00			41=66,000 ;	
24200160	Refurbish Source A	90	14AUG13	14AUG13	20DEC13	20DEC13	20	303,972.96		0.00	EE/SM =160 ; EE//TB =1,920 ;	EE//SB =640 ;		
24200170	Refurbish Source B	70	02JAN14	02JAN14	09APR14	09APR14	20	307,667.20		0.00	EE/SM =160 ; EE//TB =1,920 ;	EE//SB =640 ;		
24200180	Refurbish Source C	80	10APR14	10APR14	01AUG14	01AUG14	20	307,667.20		0.00	EE/SM =160 ; EE//TB =1,920 ;	EE//SB =640 ;		
24200200	Build Probe tips (10 Long, 20 short)	60	08MAY14	08MAY14	01AUG14	01AUG14	41	75,669.68		0.00	EE/SM =80 ; EE//TB =480 ;	EE//SB =24 ;	EM/ST =480 ; 41=2,000 ;	
Job: 2425 - BL Relocation-DENAULT														
Design														
2425-0017	Design Drawings	24	03MAY10A	03MAY10A	04JUN10A	04JUN10A		0.00	100	0.00				
2425-0018	PDR Prep	11	07JUN10A	07JUN10A	21JUN10A	21JUN10A		0.00	100	0.00				
2425-0019	CONDUCT PDR	2	22JUN10A	22JUN10A	23JUN10A	23JUN10A		0.00	100	0.00				
2425-0020	Layman Review	5	10AUG10A	10AUG10A	16AUG10A	16AUG10A		0.00	100	0.00				
2425-0023	Disposition PDR Chits	2	24JUN10A	24JUN10A	25JUN10A	25JUN10A		0.00	100	0.00				
2425-0024	Design Drawings	89*	01DEC10*	01OCT10A	16MAR11	14FEB11	1	17,041.40	15	2,556.21	EM/EM =20 ; EE/EM =40 ;	EA/ES =80 ;		

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY11				FY12				FY13				FY14								
2425-0025	Update Analyses	89*	01DEC10*	01OCT10A	16MAR11	14FEB11	1	21,742.80	15	3,261.42	EM//EM =40 ; EAA/EM =80 ;																				
2425-0027A	Peer Review	0			31MAR11	31MAR11	53	0.00		0.00	EM//EM =40 ;																				
2425-0026	Update Cost & Schedule Estimate	30	15FEB11*	15FEB11	28MAR11	28MAR11	1	6,328.40		0.00	EM//EM =40 ;																				
2425-0027	Prep Procurement Specs	30	29MAR11	29MAR11	09MAY11	09MAY11	1	6,328.40		0.00	EM//EM =40 ;																				
2425-0028	FDR Prep	23	10MAY11	10MAY11	10JUN11	10JUN11	1	6,328.40		0.00	EM//EM =40 ;																				
2425-0029	CONDUCT FDR 2425	2	13JUN11	13JUN11	14JUN11	14JUN11	1	2,531.36		0.00	EM//EM =16 ;																				
Procure, Fab & Assembly																															
2425-0033	Prep Requisitn and procuremt pkg-Steel & Parts	1	01OCT12*	01OCT12*	01OCT12	01OCT12	162	0.00		0.00																					
2425-0034	SUBMIT REQ TO PROCUREMENT - Steel and Parts	1	02OCT12	02OCT12	02OCT12	02OCT12	162	0.00		0.00																					
2425-0035	Procurement lead time (1) - Steel and Parts	30	03OCT12	03OCT12	13NOV12	13NOV12	162	0.00		0.00																					
2425-0036	AWARD - Steel and Parts	1	14NOV12	14NOV12	14NOV12	14NOV12	162	0.00		0.00																					
2425-0037	Fabricate or delivery - Steel and Parts	30	15NOV12	15NOV12	08JAN13	08JAN13	162	63,360.00		0.00	41=\$48,000																				
2425-0039	Prep Requisition and procurement pkg - Lifting	2	01OCT12*	01OCT12*	02OCT12	02OCT12	173	0.00		0.00																					
2425-0040	SUBMIT REQ TO PROCUREMENT - Lifting Equipment	1	03OCT12	03OCT12	03OCT12	03OCT12	173	0.00		0.00																					
2425-0041	Procurement lead time (1) - Lifting Equipment	30	04OCT12	04OCT12	14NOV12	14NOV12	173	0.00		0.00																					
2425-0042	AWARD - Lifting Equipment	1	15NOV12	15NOV12	15NOV12	15NOV12	173	0.00		0.00																					
2425-0043	Fabricate or delivery - Lifting Equipment	30	16NOV12	16NOV12	09JAN13	09JAN13	173	26,400.00		0.00	41=\$20,000																				
Installation																															
2425-0055	Engineering 1 Days Per Week title III	325	02APR13*	02APR13*	22JUL14	22JUL14	30	112,618.48		0.00	EM//EM =448 ; EE//EM =160 ;																				
2425-0056	Engineering Support .Days Per Weektitle III	325	02APR13	02APR13	22JUL14	22JUL14	30	40,502.30		0.00	EM//EM =224 ;																				
2425-0057	Drafting Support .5 day/week title III	325	02APR13	02APR13	22JUL14	22JUL14	30	34,285.56		0.00	EC//EM =224 ;																				
2425-0058	Test Cell Maintenance	248	01OCT12*	01OCT12*	30SEP13	30SEP13	229	71,675.00		0.00	EM//SB =500 ; M&S=3000 ;																				
2425-0060	Road - Path	5	01APR13*	01APR13*	05APR13	05APR13	104	24,836.00		0.00	EM//SM =40 ; EM//ST =160 ;																				
2425-0061	Duct Removal - Path	2	08APR13	08APR13	09APR13	09APR13	104	9,934.40		0.00	EM//SM =16 ; EM//ST =64 ;																				
2425-0062	Lintel Removal - Path	3	10APR13	10APR13	12APR13	12APR13	104	17,822.56		0.00	EM//EM =08 ; EM//SM =24 ; EM//ST =96 ; EE//TB =16 ;																				
2425-0063	Lintel Install - Path	2	15APR13	15APR13	16APR13	16APR13	104	12,855.36		0.00	EM//EM =08 ; EM//SM =16 ; EM//ST =64 ; EE//TB =16 ;																				
2425-0064	Duct Install - Path	2	17APR13	17APR13	18APR13	18APR13	104	35,014.40		0.00	EM//SM =16 ; EM//ST =64 ; M&S =19,000 ;																				
2425-0068	Setup - Metrology	5	19APR13	19APR13	25APR13	25APR13	104	23,057.60		0.00	EM//EM =80 ; EM//ST =80 ;																				
2425-0069	Measure - Metrology	15	26APR13	26APR13	16MAY13	16MAY13	104	138,345.60		0.00	EM//EM =480 ; EM//ST =480 ;																				
2425-0070	Model - Metrology	5	17MAY13	17MAY13	23MAY13	23MAY13	104	36,548.80		0.00	EM//EM =80 ; EA//SB =160 ;																				
2425-0071	Lay out - Metrology	5	24MAY13	24MAY13	31MAY13	31MAY13	104	27,017.60		0.00	EM//EM =80 ; EM//ST =80 ; 41=3,000 ;																				
2425-0073	Labyrinth Removal	20	01MAY13*	01MAY13*	29MAY13	29MAY13	105	84,578.88		0.00	EM//SM =160 ; EM//ST =480 ; EE//TB =32 ;																				
2425-0076	Construction - Lift Fixtures	20	09APR13*	09APR13*	06MAY13	06MAY13	110	92,918.40		0.00	EM//ST =480 ; M&S=30k ;																				
2425-0077	Load Test - Lift Fixtures	5	07MAY13	07MAY13	13MAY13	13MAY13	110	27,478.40		0.00	EM//EM =40 ; EM//SM =40 ; EM//ST =120 ;																				
2425-0078	Move - Lift Fixtures	1	14MAY13	14MAY13	14MAY13	14MAY13	110	2,665.92		0.00	EM//ST =24 ;																				
2425-0079	Trial Runs - Lift Fixtures	5	15MAY13	15MAY13	21MAY13	21MAY13	110	27,478.40		0.00	EM//EM =40 ; EM//SM =40 ; EM//ST =120 ;																				
Relocate HVE																															
2425-0123	Move - HVE 1 Movement	2	20MAY13*	20MAY13*	21MAY13	21MAY13	68	11,351.52		0.00	EM//EM =08 ; EM//SM =16 ; EM//ST =64 ;																				

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY11	FY12	FY13	FY14
FY102430	FY10 Actual Cost	143	01OCT09A	01OCT09A	30SEP10A	30SEP10A		542,135.00	100	542,135.00				
FY112430	FY10 Actual Cost	143	01OCT10A	01OCT10A	29OCT10A	29OCT10A		18,000.00	100	18,000.00				
Job: 2440 - 2nd NBI Beamline-DENAULT														
Procure, Fab & Assembly														
2440-0001	Begin refurbishment job parts list	143*	01OCT10*	01OCT10A	01FEB11	29APR11	167	6,212.80	50	3,106.40				
2440-0002	Prepare drawings	600*	01OCT10*	01OCT10A	01MAR13	01MAR13	167	44,155.30	20	8,831.06				
2440-0002A	Engineering Supervision (LOE)	599*	01OCT10*	01OCT10A	26APR13	28FEB13	168	161,592.38	LOE	15,674.46				
2440-0004	Ion Dump parts	90	03OCT11*	03OCT11*	15FEB12	15FEB12	57	2,580.00		0.00				
2440-0012	Ion Dump TC wiring	103	22AUG11*	22AUG11*	24JAN12	24JAN12	73	37,745.26		0.00				
2440PEER	Peer Review	0			31MAR11	31MAR11	53	0.00		0.00				
2440-0003	Calorimeter parts	90	13DEC11	13DEC11	24APR12	24APR12	8	1,290.00		0.00				
2440-0005	Magnet parts	90	28NOV12	28NOV12	11APR13	11APR13	8	660.00		0.00				
2440-0006	90 inch flange and neutralizer parts	90	15OCT12	15OCT12	28FEB13	28FEB13	8	1,320.00		0.00				
2440-0007	Exit spool piece parts	90	04JAN13	04JAN13	09MAY13	09MAY13	8	6,600.00		0.00				
2440-0008	BL Lid parts	90	03AUG12	03AUG12	11DEC12	11DEC12	8	1,568.00		0.00				
2440-0009	BL Box parts	90	23MAY12	23MAY12	28SEP12	28SEP12	8	5,160.00		0.00				
2440-0011	Calorimeter TC wiring	115	04NOV11	04NOV11	24APR12	24APR12	8	45,034.40		0.00				
2440-0013	Magnet TC wiring	78	14DEC12	14DEC12	11APR13	11APR13	8	35,451.20		0.00				
2440-0014	90 inch flange and neutralizer TC wiring	48	14DEC12	14DEC12	28FEB13	28FEB13	8	35,451.20		0.00				
2440-0015	Exit spool piece TC wiring (refurb & relocate)	98	14DEC12	14DEC12	09MAY13	09MAY13	8	35,451.20		0.00				
Refurbishment														
2440-0017A	Radiation Supplies (M&S) (LOE)	635*	01NOV10*	01NOV10A	20MAY13	20MAY13	111	321,649.61	LOE	18,655.68				
2440-0017B	Test Cell Maintenance (LOE)	500*	01NOV10*	01NOV10A	30OCT12	30OCT12	246	131,251.04	LOE	9,712.57				
2440-0028	Refurbish Ion Dump	309	01FEB11*	01FEB11*	23APR12	23APR12	9	280,279.91		0.00				
2440-0030	Refurbish Calorimeter	168	22AUG11*	22AUG11*	24APR12	24APR12	8	269,865.06		0.00				
2440-0018	Refurbish BL Box	110	25APR12*	25APR12*	28SEP12	28SEP12	8	87,454.80		0.00				
2440-0020	Refurbish BL Lid	50	01OCT12	01OCT12	11DEC12	11DEC12	8	91,939.20		0.00				
2440-0022	Refurbish 90 inch flange and neutralizer	50	12DEC12	12DEC12	28FEB13	28FEB13	8	178,598.40		0.00				
2440-0024	Refurbish Bending Magnet	30	01MAR13	01MAR13	11APR13	11APR13	8	89,299.20		0.00				
2440-0026	Refurbish spool piece	20	12APR13	12APR13	09MAY13	09MAY13	8	178,598.40		0.00				
2440-0031	Modify to New style	50	10MAY13	10MAY13	23JUL13	23JUL13	8	233,556.00		0.00				
2440-0033	Reassembly & Test & relocate	60	24JUL13	24JUL13	16OCT13	16OCT13	8	265,724.16		0.00				
FY092440	FY09 Actual Cost	22*	23FEB09A	23FEB09A	30SEP09A	30SEP09A		28,566.00	100	28,566.00				
FY102440	FY10 Actual Cost	100	01DEC09A	01DEC09A	30APR10A	30APR10A		5,908.00	100	5,908.00				
FY102440A	FY10 Actual Cost	1	03MAY10A	03MAY10A	30SEP10A	30SEP10A		6,131.00	100	6,131.00				

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY11				FY12				FY13				FY14			
Job: 2450 - 2nd NBI Services-DENAULT																										
Design																										
2450-0017	Design Drawings	25	03MAY10A	03MAY10A	07JUN10A	07JUN10A		0.00	100	0.00																
2450-0018	PDR Prep	10	23JUN10A	23JUN10A	24JUN10A	24JUN10A		0.00	100	0.00																
2450-0019	CONDUCT PDR	2	22JUN10A	22JUN10A	23JUN10A	23JUN10A		0.00	100	0.00																
2450-0020	Lehman Review	5	10AUG10A	10AUG10A	16AUG10A	16AUG10A		0.00	100	0.00																
2450-0022	Disposition PDR Chits	2	24JUN10A	24JUN10A	25JUN10A	25JUN10A		0.00	100	0.00																
2450-0023	Design Drawings	87	01OCT10A	01OCT10A	28MAR11	10FEB11	4	23,957.00	20	4,791.40																
2450-0024	Update Analyses	5	29MAR11	11FEB11	04APR11	17FEB11	4	21,742.80		0.00																
2450-0025	Update Cost & Schedule Estimate	7	05APR11	18FEB11	13APR11	28FEB11	4	12,656.80		0.00																
2450-0026	Prep Procurement Specs	10	14APR11	01MAR11	27APR11	14MAR11	4	12,656.80		0.00																
2450-PEER	Peer Review	0			31MAR11	31MAR11	53	0.00		0.00																
2450-0027	FDR Prep	15	31MAY11	17MAY11	13JUN11	07JUN11	4	12,656.80		0.00																
2450-0028	CONDUCT FDR 2450	2	14JUN11	08JUN11	15JUN11	09JUN11	4	2,531.36		0.00																
Procure, Fab & Assembly																										
2450-0032	Prep Requisition & procurement pkg - Cyro parts	1	15MAY13*	15MAY13*	15MAY13	15MAY13	24	0.00		0.00																
2450-0033	SUBMIT REQ TO PROCUREMENT - Cyro parts	1	16MAY13	16MAY13	16MAY13	16MAY13	45	0.00		0.00																
2450-0034	Procurement lead time (1) - Cyro parts	30	17MAY13	17MAY13	28JUN13	28JUN13	45	0.00		0.00																
2450-0035	AWARD - Cyro parts	1	01JUL13	01JUL13	01JUL13	01JUL13	45	0.00		0.00																
2450-0036	Fabricate or delivery - Cyro parts	90	02JUL13	02JUL13	07NOV13	07NOV13	45	265,866.67		0.00																
2450-0038	Prep Requisitn & procuremnt pkg - Pipe & misc.	2	15MAY13*	15MAY13*	16MAY13	16MAY13	24	0.00		0.00																
2450-0039	SUBMIT REQ TO PROCUREMENT - Pipe & misc.	1	17MAY13	17MAY13	17MAY13	17MAY13	24	0.00		0.00																
2450-0040	Procurement lead time (1) - Pipe & misc.	30	20MAY13	20MAY13	01JUL13	01JUL13	24	0.00		0.00																
2450-0041	AWARD - Pipe & misc.	1	02JUL13	02JUL13	02JUL13	02JUL13	24	0.00		0.00																
2450-0042	Fabricate or delivery - Pipe & misc.	65	03JUL13	03JUL13	04OCT13	04OCT13	24	641,095.38		0.00																
2450-0053A	Engineering for 2nd NBI Services	356	15MAR13*	15MAR13*	18AUG14	18AUG14	30	457,664.43		0.00																
2450-0053B	Engineering Support for 2nd NBI Services	356	15MAR13	15MAR13	18AUG14	18AUG14	30	107,069.66		0.00																
2450-0053C	Drafting Support for 2nd NBI Services	356	15MAR13	15MAR13	18AUG14	18AUG14	30	114,210.07		0.00																
2450-0056	Install Penetrations	80	01JUN12*	01JUN12*	24SEP12	24SEP12	245	119,385.00		0.00																
2450-0057	Helium Transfer Lines	160	01AUG13*	01AUG13*	27MAR14	27MAR14	35	462,686.30		0.00																
2450-0059	Nitrogen Transfer Lines	120	31JAN14*	31JAN14*	21JUL14	21JUL14	35	188,429.70		0.00																
2450-0061	SF6 Transfer Lines	30	31JAN14*	31JAN14*	13MAR14	13MAR14	125	71,074.11		0.00																
2450-0063	HVE Water Lines	65	31JAN14*	31JAN14*	01MAY14	01MAY14	90	186,972.15		0.00																
2450-0065	Ion Dump Water Lines	175	07OCT13*	07OCT13*	23JUN14	23JUN14	24	434,324.95		0.00																
2450-0067	Ion Source Water Lines	130	07OCT13*	07OCT13*	18APR14	18APR14	69	310,648.55		0.00																
2450-0074	Vacuum Lines	30	24JUN14*	24JUN14*	05AUG14	05AUG14	24	88,868.12		0.00																
2450-0085	Stack 8 Vacuum Lines	30	07OCT13*	07OCT13*	15NOV13	15NOV13	199	54,837.20		0.00																
2450-0093	Gas System	23	07OCT13*	07OCT13*	06NOV13	06NOV13	206	50,948.02		0.00																

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY11				FY12				FY13				FY14																		
2450-0097	Legs	12	01OCT13*	01OCT13*	16OCT13	16OCT13	221	58,947.46		0.00																															
2450-0099	HVAC	70	01OCT13*	01OCT13*	20JAN14	20JAN14	163	31,818.00		0.00									EM//ST =250 ;	41=15,000 ;																					
2450-0102	Platform Mods	70	20JAN14*	20JAN14*	25APR14	25APR14	14	519,198.30		0.00									EE//TB =38 ;																						
2450-0103	NBI SERVICES COMPLETE	0			05AUG14	05AUG14	24	0.00		0.00									EA//SB =80 ;	41=15000 ;																					
FY09 Actual Cost												22*	23FEB09A	23FEB09A	30SEP09A	30SEP09A		76,722.00	100	76,722.00																					
FY10 Actual Cost												143	01OCT09A	01OCT09A	30APR10A	30APR10A		122,550.00	100	122,550.00																					
FY10 Actual Cost												110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		66,728.00	100	66,728.00																					
Job: 2460 - 2nd NBI Armor-PRINISKI																																									
FY10 Actual Cost												110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		84,622.00	100	84,622.00																					
2460-0016	Armor Service Connection (Bay H)	10	06JUL10A	06JUL10A	19JUL10A	19JUL10A		0.00	100	0.00																															
2460-0018	PDR Prep - NBI Armor	36	03MAY10A	03MAY10A	22JUN10A	22JUN10A		0.00	100	0.00																															
2460-0019	CONDUCT PDR - NBI Armor	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A		0.00	100	0.00																															
2460-0020	Disposition PDR Chits - Final Design	23	28JUN10A	28JUN10A	29JUL10A	29JUL10A		0.00	100	0.00																															
2460-0021	Revise Armor Backing &Armor service connecti	19	28JUN10A	28JUN10A	23JUL10A	23JUL10A		0.00	100	0.00																															
2460-0022	Design Drawings	186*	02AUG10A	02AUG10A	29APR11	08NOV10A		13,129.69	100	13,129.69									EM//EM =30 ;	EA//ES =100 ;																					
2460-0024	Armor Instrumentation/Service Connection	15	27JAN11*	18JAN11*	24FEB11	07FEB11	4	18,542.32		0.00									EM//EM =52 ;	EA//ES =12 ;																					
2460-0025	Develop Installation Techniques	20	25FEB11	08FEB11*	24MAR11	07MAR11	4	10,821.60		0.00									EM//EM =64 ;	EA//ES =08 ;																					
2460-0026	Update Analysis	30	25MAR11	08MAR11	13MAY11	18APR11	4	43,135.10		0.00									EM//EM =30 ;	EA//EM =160 ;																					
2460-0026A	Peer Review - 2nd NBI Armor	0			31MAR11*	31MAR11*	2,360	0.00		0.00									Travel=6k																						
2460-0027	Update Cost & Sched Estimate - Final Dsgn	6	16MAY11*	19APR11*	23MAY11	26APR11	4	9,967.23		0.00									EM//EM =63 ;																						
2460-0028	FDR Prep - NBI Armor	35	16MAY11	19APR11*	13JUN11	07JUN11	4	6,446.04		0.00									EM//EM=20; EA//ES=20;EA//EM=8																						
2460-0029	Conduct FDR - NBI Armor	2	14JUN11	08JUN11	14JUN11*	09JUN11*	4	1,265.68		0.00									EM//EM =08 ;																						
2460-0030	FDR Chit Resolution	20	15JUN11	10JUN11	13JUL11*	08JUL11*	424	23,472.00		0.00									EM//EM =80 ;	EA//ES =80 ;																					
2460-0031	Prep Requisition & Procurement Pckg - Armor Tiles	10	02JAN13*	02JAN13*	15JAN13	15JAN13	58	8,502.72		0.00									EM//EM =48 ;																						
2460-0032	Submit Request to Procurement - Armor Tiles	1	16JAN13	16JAN13	16JAN13	16JAN13	58	708.56		0.00									EM//EM =04 ;																						
2460-0033	Procurement Lead Times - Armor Tiles	40	17JAN13	17JAN13	13MAR13	13MAR13	58	0.00		0.00																															
2460-0034	Award - Armor Tiles	1	14MAR13	14MAR13	14MAR13	14MAR13	58	0.00		0.00																															
2460-0035	Fabricate / Delivery - Armor Tiles	180	15MAR13	15MAR13	27NOV13	27NOV13	58	29,234.00		0.00																															
2460-0037	Prep Requisition & Procurement Pckg - Armor Tiles	10	01MAR13*	01MAR13*	14MAR13	14MAR13	176	12,754.08		0.00																															
2460-0038	Submit Request t/Proc - Armor Support	1	15MAR13	15MAR13	15MAR13	15MAR13	176	708.56		0.00																															
2460-0039	Procurement Lead Time - Armor Support	25	18MAR13	18MAR13	19APR13	19APR13	176	0.00		0.00																															
2460-0040	Award - Armor Support	1	22APR13	22APR13	22APR13	22APR13	176	0.00		0.00																															
2460-0041	Fabricate / Delivery - Armor Support	60	01OCT13*	01OCT13*	06JAN14	06JAN14	65	60,750.00		0.00																															
2460-0043	Prep Requisition & Procurement Pckg-Backing Plate	2	03SEP13*	03SEP13*	04SEP13	04SEP13	44	2,479.96		0.00																															
2460-0044	Submit Request t/Proc - New Backing Plates	1	05SEP13	05SEP13	05SEP13	05SEP13	44	708.56		0.00																															
2460-0045	Procurement Lead Time - New Backing Plates	15	06SEP13	06SEP13	26SEP13	26SEP13	44	0.00		0.00																															
2460-0046	Award - New Backing Plates	1	27SEP13	27SEP13	27SEP13	27SEP13	44	0.00		0.00																															

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY				
											FY11	FY12	FY13	FY14	
247000700	Installation - Penetrations	8	12DEC12	12DEC12	21DEC12	21DEC12	210	32,929.04		0.00		EE//SM =32 ; EE//TB =64 ; EE//EM =08 ; 41=15,000 ; 			
247000270	Design Removal of Cable	25	08JUN12*	08JUN12*	13JUL12	13JUL12	182	23,984.00		0.00					
247000710	Removal - Cable	8	02JAN13	02JAN13	11JAN13	11JAN13	215	19,783.76		0.00		EE//SM =40 ; EE//TB =120 ; EE//EM =08 ; 			
247000780	Commissioning - Removal of Cable	5	14JAN13	14JAN13	18JAN13	18JAN13	310	9,639.28		0.00		EE//EM =16 ; EE//SM =16 ; EE//TB =40 ; 			
247000275	Design - Cables	100	04SEP12*	04SEP12*	01FEB13	01FEB13	47	170,743.41		0.00		EE//EM =280 ; EE//SB =840 ; 			
247000470	Prep Req & Procurement Pckg - Cables	1	04FEB13	04FEB13	04FEB13	04FEB13	47	1,548.56		0.00					
247000480	Submit Req to Procurement - Cables	1	05FEB13	05FEB13	05FEB13	05FEB13	47	774.28		0.00					
247000490	Procurement Lead Time - Cables	30	06FEB13	06FEB13	19MAR13	19MAR13	47	0.00		0.00					
247000500	Award - Cables	1	20MAR13	20MAR13	20MAR13	20MAR13	47	0.00		0.00					
247000510	Procurement - NBI Cables	120	21MAR13	21MAR13	10SEP13	10SEP13	47	557,304.00		0.00					41=422,200 ;
247000720	Installation Procedure - Cable	5	12DEC12	12DEC12	18DEC12	18DEC12	226	1,548.56		0.00					
247000730	Installation - Cable	100	23SEP13*	23SEP13*	21FEB14	21FEB14	39	271,733.11		0.00					
247000790	Commissioning - Cable	40	24FEB14	24FEB14	18APR14	18APR14	39	141,711.60		0.00					
2470000729	decontmination of east wall	48	16JUL13	16JUL13	20SEP13	20SEP13	39	97,071.52		0.00					
247000280	Prep Procurement Spec - Raceway	15	14JAN13*	14JAN13*	01FEB13	01FEB13	160	24,487.60		0.00					
247000520	Prep Req & Procurement Pckg - Raceway	1	05FEB13	05FEB13	05FEB13	05FEB13	161	1,548.56		0.00					
247000530	Submit Req to Procurement - Raceway	1	06FEB13	06FEB13	06FEB13	06FEB13	161	774.28		0.00					
247000540	Procurement Lead Time - Raceway	15	07FEB13	07FEB13	27FEB13	27FEB13	161	0.00		0.00					
247000550	Award - Raceway	1	28FEB13	28FEB13	28FEB13	28FEB13	161	0.00		0.00					
247000560	Procurement/Fab/Assembly - Raceway	65	01MAR13	01MAR13	31MAY13	31MAY13	161	39,600.00		0.00					41=30,000 ;
247000740	Installation Procedure - Raceway	5	19DEC12	19DEC12	03JAN13	03JAN13	266	1,548.56		0.00					
247000750	Installation - 2nd NBI Raceway	90	07OCT13*	07OCT13*	21FEB14	21FEB14	74	739,832.48		0.00					
247000795	Commissioning - Raceway	5	24FEB14	24FEB14	28FEB14	28FEB14	74	9,965.68		0.00					
25-Transmission Line															
247000285	Design & Install Transmission Line	240	01JUL13*	01JUL13*	19JUN14	19JUN14	56	133,959.36		0.00					
28-System Design & Integration															
247000090	Design dwgs, changes,as-builts (LOE)	1,101*	03MAY10A	03MAY10A	30SEP14	30SEP14	1,487	87,822.51	LOE	13,085.55					
247000100	CDR Complete Power System	20	01OCT09A	01OCT09A	28OCT09A	28OCT09A		0.00	100	0.00					
247000090A	Peer Review - 2nd NBI Power	0			31MAR11	31MAR11*	2,360	0.00		0.00					
247000180	PDR Preparation	37	03MAY10A	03MAY10A	23JUN10A	23JUN10A		0.00	100	0.00					
247000190	Conduct PDR	1	24JUN10A	24JUN10A	24JUN10A	24JUN10A		0.00	100	0.00					
247000200	PDR Complete	0			24JUN10A	24JUN10A		0.00	100	0.00					
2470PEER	Peer Review	0			31MAR11	31MAR11	53	0.00		0.00					
247000235	Calculations - Final Dsgn	115	03JAN11*	03JAN11*	13JUN11	13JUN11	1	6,915.60		0.00					
247000295	FDR Cabling	115	03JAN11	03JAN11	13JUN11	13JUN11	1	11,900.80		0.00					
247000300	Conduct FDR	1	14JUN11	14JUN11	14JUN11	14JUN11	1	0.00		0.00					
247000305	FDR Complete	0			14JUN11	14JUN11	1	0.00		0.00					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY11				FY12				FY13				FY14			
Job: 2480 - 2nd NBI/TVPS Duct & VV-PRINISKI																										
Design																										
2480-0024	New Coil Comonents F/J-K RWM Coil Re Dsgn	22	03MAY10A	03MAY10A	02JUN10A	02JUN10A		0.00	100	0.00																
2480-0025	Seismic Analysis	5	03MAY10A	03MAY10A	07MAY10A	07MAY10A		0.00	100	0.00																
2480-0027	PDR Prep - Duct & VV Mods	36	03MAY10A	03MAY10A	22JUN10A	22JUN10A		0.00	100	0.00																
2480-0028	CONDUCT PDR - Duct & VV Mods	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A		0.00	100	0.00																
2480-0029	Disposition PDR Chits - Final Design	84*	03JUN10A	03JUN10A	30SEP10A	30SEP10A		0.00	100	0.00																
2480-0031	1000100100100 K- Port Extension	41*	16AUG10A	16AUG10A	30SEP10A	30SEP10A		0.00	100	0.00																
2480-0032	NB- Ceramic-Break	47*	16AUG10A	16AUG10A	30SEP10A	30SEP10A		0.00	100	0.00																
2480-0033	Spool Piece/Round Bellows	52*	16AUG10A	16AUG10A	30SEP10A	30SEP10A		0.00	100	0.00																
2480-0029A	Installation Prototype	111*	01NOV10*	18OCT10A	28FEB11	31MAR11	6	21,304.56	30	6,391.37																
2480-0030	J-K Cap/Installation Procedure	121*	16AUG10A	16AUG10A	28FEB11	11FEB11	6	26,539.92	25	6,634.98																
2480PEER	Peer review	0			31MAR11	31MAR11	53	0.00		0.00																
2480-0034	Rectangular Bellows Assembly	155*	16AUG10A	16AUG10A	31MAR11	31MAR11	36	2,264.44	95	2,151.21																
2480-0035	Design Drawings - Final Design	172*	16AUG10A	16AUG10A	15APR11	03JAN11A		41,081.36	100	41,081.36																
2480-0037	Update Analysis - Final Design	147*	18APR11	01NOV10A	13MAY11	06JUN11	6	9,922.14	70	6,945.50																
2480-0038	Update Cost & Sched Estimate - Final Dsgn	7	05MAY11	01NOV10A	13MAY11	22APR11	15	3,164.20	25	791.05																
2480-0039	FDR Prep-Duct & VV Mods	21*	16MAY11	25APR11*	13JUN11	23MAY11	15	8,859.76		0.00																
2480-0040	CONDUCT FDR-Duct & VV Mods	1	14JUN11	07JUN11	14JUN11*	07JUN11*	6	1,265.68		0.00																
2480-0041	Disposition FDR Chits	33	15JUN11*	08JUN11*	01AUG11	25JUL11	341	24,523.00		0.00																
Procure, Fab & Assembly																										
2480-0042	Prep Req & Procuremnt Pckg	30	03DEC12*	03DEC12*	22JAN13	22JAN13	1	8,502.72		0.00																
2480-0044	Submit Req to Procurement - 40" VAT Valves (2)	1	01FEB13*	01FEB13*	01FEB13	01FEB13	36	1,417.12		0.00																
2480-0045	Procurement Lead Times - 40" VAT Valves (2)	25	04FEB13	04FEB13	08MAR13	08MAR13	36	0.00		0.00																
2480-0046	Award - - 40" VAT Valves (2)	3	11MAR13	11MAR13	13MAR13	13MAR13	36	0.00		0.00																
2480-0047	Fabricate / Delivery - 40" VAT Valves (2)	180	14MAR13	14MAR13	26NOV13	26NOV13	36	331,708.33		0.00																
2480-0049	Submit Req to Procurement - 40" Bellows Section	1	23JAN13*	23JAN13*	23JAN13	23JAN13	1	1,417.12		0.00																
2480-0050	Procurement Lead Time - 40" Bellows Section	25	24JAN13	24JAN13	27FEB13	27FEB13	1	0.00		0.00																
2480-0051	Award - 40" Bellows Section	3	28FEB13	28FEB13	04MAR13	04MAR13	1	0.00		0.00																
2480-0052	Fabricate / Delivery - 40" Bellows Section	130	05MAR13	05MAR13	06SEP13	06SEP13	1	272,640.00		0.00																
2480-0054	Submit Req to Proc-Rectangular Bellows Section	1	03JAN12*	03JAN12*	03JAN12	03JAN12	89	1,387.92		0.00																
2480-0055	Procurement Lead Time-Rectangular Bellows Sectn	25	04JAN12	04JAN12	07FEB12	07FEB12	89	0.00		0.00																
2480-0056	Award-Rectangular Bellows Section	1	11JUN12*	11JUN12*	11JUN12	11JUN12	2	0.00		0.00																
2480-0057	Fabricate / Delivery-Rectangular Bellows Section	400	12JUN12	12JUN12	27JAN14	27JAN14	2	507,828.38		0.00																
2480-0059	Prep Req & Procuremnt Pckg - Vessel Cap & Port E	8	01AUG12*	02APR12*	10AUG12	11APR12	195	11,103.36		0.00																
2480-0060	Submit Req to Procurement - Vessel Cap & Port Ex	1	13AUG12	12APR12	13AUG12	12APR12	195	693.96		0.00																
2480-0061	Procurement Lead Times - Vessel Cap & Port Exten	25	14AUG12	13APR12	18SEP12	17MAY12	195	0.00		0.00																
2480-0062	Award - Vessel Cap & Port Extension	1	01OCT12*	01OCT12*	01OCT12	01OCT12	102	0.00		0.00																
2480-0063	Fabricate / Delivery - Vessel Cap & Port Extensn	180	02OCT12*	02OCT12*	24JUN13	24JUN13	102	142,640.00		0.00																

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY11				FY12				FY13				FY14								
2485-0017	Design Drawings	152*	19JUL10A	19JUL10A	19MAY11	28FEB11	2	11,908.32	70	8,335.82	EM//EM =24 ; EA//ES =96 ;																				
2485-0018	Update Cost & Schedule Estimate	133*	20MAY11	01NOV10A	26MAY11	16MAY11	2	6,328.40	25	1,582.10	EM//EM =12 ;																				
2485-0019	FDR Prep	11*	27MAY11	14MAR11	10JUN11	28MAR11	44	0.00		0.00																					
2485-0020	CONDUCT FDR	2	13JUN11*	10JUN11*	14JUN11	13JUN11	2	0.00		0.00																					
2485-0021	FDR Chit Resolution (All Areas)	20	15JUN11*	16JUN11*	13JUL11	14JUL11	560	19,618.40		0.00	EM//EM =80 ; EA//ES =80 ;																				
2485PEER	Peer Review	0			31MAR11	31MAR11	53	0.00		0.00																					
Procure, Fab & Assembly																															
2485-0022	Prep Req & proc pkg - 3200i/s TMPx2	4	01OCT13*	01OCT13*	04OCT13	04OCT13	8	3,662.80		0.00	EM//EM =20 ;																				
2485-0023	SUBMIT REQ TO PROC - 3200i/s TMPx2	1	07OCT13	07OCT13	07OCT13	07OCT13	69	183.14		0.00	EM//EM =01 ;																				
2485-0024	Procurement lead time (1) - 3200i/s TMPx2	15	08OCT13	08OCT13	28OCT13	28OCT13	69	0.00		0.00																					
2485-0025	AWARD - 3200i/s TMPx2	1	29OCT13	29OCT13	29OCT13	29OCT13	69	0.00		0.00																					
2485-0026	Fabricate or delivery - 3200i/s TMPx2	90	30OCT13	30OCT13	18MAR14	18MAR14	69	87,750.00		0.00	41=65,000 ;																				
2485-0028	Prep Req & proc pkg - New VAT Valves	2	07OCT13	07OCT13	08OCT13	08OCT13	8	366.28		0.00	EM//EM =02 ;																				
2485-0029	SUBMIT REQ TO PROC- New VAT Valves	1	09OCT13	09OCT13	09OCT13	09OCT13	77	183.14		0.00	EM//EM =01 ;																				
2485-0030	Procurement lead time (1)- New VAT Valves	15	10OCT13	10OCT13	30OCT13	30OCT13	77	0.00		0.00																					
2485-0031	AWARD- New VAT Valves	1	31OCT13	31OCT13	31OCT13	31OCT13	77	0.00		0.00																					
2485-0032	Fabricate or delivery - New VAT Valves	80	01NOV13	01NOV13	06MAR14	06MAR14	77	29,700.00		0.00	41=22,000 ;																				
2485-0034	Prep Req & proc pkg - Vacuum Instrumentation	4	10OCT13	10OCT13	15OCT13	15OCT13	85	3,662.80		0.00	EM//EM =20 ;																				
2485-0035	SUBMIT REQ TO PROC- Vacuum Instrumentation	1	16OCT13	16OCT13	16OCT13	16OCT13	85	183.14		0.00	EM//EM =01 ;																				
2485-0036	Procurement lead time (1)- Vacuum Instrumentatn	15	17OCT13	17OCT13	06NOV13	06NOV13	85	0.00		0.00																					
2485-0037	AWARD- Vacuum Instrumentation	1	07NOV13	07NOV13	07NOV13	07NOV13	85	0.00		0.00																					
2485-0038	Fabricate or delivery - Vacuum Instrumentation	90	08NOV13	08NOV13	27MAR14	27MAR14	85	5,400.00		0.00	41=4,000 ;																				
2485-0040	Prep Req & proc pkg - Misc Mtrl/Comp for Ducts	4	09OCT13	09OCT13	14OCT13	14OCT13	8	2,380.82		0.00	EM//EM =13 ;																				
2485-0041	SUBMIT REQ TO PROC - Misc Mtrl/Comp for Ducts	1	15OCT13	15OCT13	15OCT13	15OCT13	8	183.14		0.00	EM//EM =01 ;																				
2485-0042	Procurement lead time (1) - Mtrl/Comp for Duct	15	16OCT13	16OCT13	05NOV13	05NOV13	8	0.00		0.00																					
2485-0043	AWARD - Misc Mtrl/Comp for Ducts	1	06NOV13	06NOV13	06NOV13	06NOV13	8	0.00		0.00																					
2485-0044	Fabricate or delivery - Misc Mtrl/Comp for Ducts	70	07NOV13	07NOV13	26FEB14	26FEB14	83	32,400.00		0.00	41=24,000 ;																				
2485-0044A	Fabricate or delivery - All Other Mtrl/Component	160	07NOV13*	07NOV13*	03JUL14	03JUL14	8	44,162.80		0.00	41=30,000 ; EM//EM=20 ;																				
Installation																															
2485-0046	Installation Procedure	10	07OCT13*	07OCT13*	18OCT13	18OCT13	166	7,325.60		0.00	EM//EM =40 ;																				
2485-0047	Pre-Assemble Duct Legs 1 and 2	15	19MAR14*	19MAR14*	08APR14	08APR14	69	27,523.68		0.00	EM//EM =12 ; EM//ST =150 ; 41=6,000 ;																				
2485-0048	Leak Checking	3	31JUL14	31JUL14	04AUG14	04AUG14	15	1,378.08		0.00																					
2485-0049	Install TVPS Supports/	8	07JUL14	07JUL14	16JUL14	16JUL14	8	15,097.24		0.00																					
2485-0050	Install Ducts/Pumps	10	17JUL14*	17JUL14*	30JUL14	30JUL14	8	14,687.44		0.00																					
2485-0050A	Install Vacuum Instrumentation	10	31JUL14	31JUL14	13AUG14	13AUG14	8	18,250.00		0.00																					
2485-0051	PTP Testing	10	14AUG14	14AUG14	27AUG14	27AUG14	8	2,920.64		0.00																					
FY102485	FY10 Actual Cost	40	01MAR10A	01MAR10A	30APR10A	30APR10A		5,206.00	100	5,206.00																					
FY102485A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		28,285.00	100	28,285.00	81=35836																				

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY				
											FY11	FY12	FY13	FY14	
Job: 2490 - NTC Equip Relocations-PERRY															
Removal Procedures															
24910010	Prep procd rack 419 removal - UCLA Reflectometer	3	03OCT11*	03OCT11*	05OCT11	05OCT11	204	4,141.92		0.00					
24910160	Prep procedure rack 440 removal-SPRED & VIPS	3	06OCT11	06OCT11	10OCT11	10OCT11	204	4,141.92		0.00					
24910210	Prep procedure rack 441-445 removal-VV ion gages	3	11OCT11	11OCT11	13OCT11	13OCT11	204	4,141.92		0.00					
24910260	Prep procedure rack 447-448 removal-Fiber Optics	3	14OCT11	14OCT11	18OCT11	18OCT11	204	4,141.92		0.00					
24910310	Prep procedure rack 449 removal - Glow Discharge	3	19OCT11	19OCT11	21OCT11	21OCT11	204	4,141.92		0.00					
24910360	Prep procd rack 456 removal-Xray Crystal Spectr	3	24OCT11	24OCT11	26OCT11	26OCT11	204	4,141.92		0.00					
24910380	Prp procd rack 488 remv-Dep monitr/fast xray/NPA	3	27OCT11	27OCT11	31OCT11	31OCT11	204	4,141.92		0.00					
24910430	Prep procedure rack 489 removal - NPA	3	01NOV11	01NOV11	03NOV11	03NOV11	204	4,141.92		0.00					
24910450	Prep procedure rack removal - PSI Camera	3	04NOV11	04NOV11	08NOV11	08NOV11	204	4,141.92		0.00					
24910500	Prp procd rack removal -Ultra Fast X-ray Camera	3	09NOV11	09NOV11	11NOV11	11NOV11	204	4,141.92		0.00					
24910550	Prep procd rack removal-Transmsn Grating Spectro	3	14NOV11	14NOV11	16NOV11	16NOV11	204	4,141.92		0.00					
24910700	Prp procd equip removal Bay J-Two gas injectors	1	17NOV11	17NOV11	17NOV11	17NOV11	204	1,387.92		0.00					
24910750	Prep procd equipment removal Bay J - Reflectomer	1	18NOV11	18NOV11	18NOV11	18NOV11	204	1,387.92		0.00					
24910800	Prep procdur equipment removal Bay J - Bolometer	1	21NOV11	21NOV11	21NOV11	21NOV11	204	1,387.92		0.00					
24910850	Prep procdur equipment removal Bay J - RF Prove	1	22NOV11	22NOV11	22NOV11	22NOV11	204	1,387.92		0.00					
24910900	Prep procedure equipment removal Bay J - S-Flip	1	23NOV11	23NOV11	23NOV11	23NOV11	204	1,387.92		0.00					
24910950	Prep procedure equipment removal Bay J - SSNPA	1	28NOV11	28NOV11	28NOV11	28NOV11	204	1,387.92		0.00					
24911000	Prp procd equip removal Bay J-Re-entrant Window	1	29NOV11	29NOV11	29NOV11	29NOV11	204	1,387.92		0.00					
24911050	Prp procd equip removal Bay K-High K Scattering	5	30NOV11	30NOV11	06DEC11	06DEC11	204	6,939.60		0.00					
24911070	Prep procdur equipment removal Bay K - FireTips	5	07DEC11	07DEC11	13DEC11	13DEC11	204	6,939.60		0.00					
24911090	Prep procdur equipment removal Bay K - PSI Camera	3	14DEC11	14DEC11	16DEC11	16DEC11	204	4,163.76		0.00					
24911110	Prp procedure equipment removal Bay K - NPA	5	19DEC11	19DEC11	23DEC11	23DEC11	204	6,939.60		0.00					
24911130	Prp procd equip remov Bay K-Ultra Fast Xray Cam	1	03JAN12	03JAN12	03JAN12	03JAN12	204	1,387.92		0.00					
24911150	Prp procd equip removal Bay K-IR Window f/Camra	1	04JAN12	04JAN12	04JAN12	04JAN12	204	1,387.92		0.00					
24911200	Prp procd equip removal Bay K-Trans Grating Spec	1	05JAN12	05JAN12	05JAN12	05JAN12	204	1,387.92		0.00					
24911250	Prep procd EQ remval Bay L pmp duct-VV Ion Gages	2	06JAN12	06JAN12	09JAN12	09JAN12	204	2,775.84		0.00					
24911300	Prp procd EQ rem BayL pmp duct-X-ray Crystal Spe	1	10JAN12	10JAN12	10JAN12	10JAN12	204	1,387.92		0.00					
24911320	Prep procedu equip removal Bay L pump duct-SPRED	1	11JAN12	11JAN12	11JAN12	11JAN12	204	1,387.92		0.00					
24911390	Prep procedure equip removal Bay L pump duct-RGA	2	12JAN12	12JAN12	13JAN12	13JAN12	204	2,775.84		0.00					
24911460	Prep procdur equip removal Bay L pump duct-LOWEUS	1	16JAN12	16JAN12	16JAN12	16JAN12	204	1,387.92		0.00					
24911630	Prp procd EQ remov Bay L pmp duct-MPTS Beam Dump	1	17JAN12	17JAN12	17JAN12	17JAN12	204	1,387.92		0.00					
24911642	Prp procd EQ remov Bay L pmp duct-Pump Duct	4	18JAN12	18JAN12	23JAN12	23JAN12	204	1,387.92		0.00					
24911750	Prep procdur Power/Ground/Light @ Platform W NTC	5	24JAN12	24JAN12	30JAN12	30JAN12	204	6,859.84		0.00					
24911820	Prp procd EQ Remov Misc. - Gas Delivery System	1	31JAN12	31JAN12	31JAN12	31JAN12	204	1,387.92		0.00					
24911840	Prp procd EQ Remov Misc. - NW Sect 109' Platform	2	01FEB12	01FEB12	02FEB12	02FEB12	204	2,775.84		0.00					
24911860	Prp procd EQ Remov Misc. - Convenience Outlets	5	03FEB12	03FEB12	09FEB12	09FEB12	204	6,939.60		0.00					
24911880	Prp procd EQ Remov Misc. - Cat 3 & Cat 4 Bus	5	10FEB12	10FEB12	16FEB12	16FEB12	204	6,939.60		0.00					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY				
											FY11	FY12	FY13	FY14	
24911870	Remove Misc. EQ - Convenience Outlets	10	19OCT12	19OCT12	01NOV12	01NOV12	180	23,330.72		0.00					
24911890	Remove Misc. EQ - Cat 3 & Cat 4 Bus	5	02NOV12	02NOV12	08NOV12	08NOV12	180	14,351.68		0.00					
24911910	Remove Misc. EQ-Lights/E-stops/Fire Alarm	13	09NOV12	09NOV12	29NOV12	29NOV12	180	32,715.20		0.00					
24911930	Remove Misc. EQ-Glow Disch Splice Box/Disc	2	30NOV12	30NOV12	03DEC12	03DEC12	180	6,287.20		0.00					
24919999	REMOVALS COMPLETE	0			03DEC12	03DEC12	180	0.00		0.00					
Design, Procurement & Fabr of Re-installations															
24910030	Dsgn rack 419 re-installation - UCLA Reflectometer	17	29SEP11*	29SEP11*	21OCT11	21OCT11	73	23,741.77		0.00					
24910040	Prep procd rack 419 reinstalltn-UCLA Reflectomet	3	24OCT11	24OCT11	26OCT11	26OCT11	73	4,668.16		0.00					
24910080	Dsgn rack 431-435 reinstalltn-VV T/C/magnetics	45	27OCT11	27OCT11	09JAN12	09JAN12	73	70,496.64		0.00					
24910090	Prep procd rack 431-435 reinstln-VV T/C/magnetic	5	10JAN12	10JAN12	16JAN12	16JAN12	73	6,859.84		0.00					
24910180	Design rack 440 re-installation - SPRED	13	17JAN12	17JAN12	02FEB12	02FEB12	73	19,587.20		0.00					
24910190	Prep procd rack 440 reinstalltn-SPRED	3	03FEB12	03FEB12	07FEB12	07FEB12	73	4,668.16		0.00					
24910230	Dsgn rack 441-445 re-installatn-VV ion gages/RGA	46	08FEB12	08FEB12	11APR12	11APR12	73	65,142.48		0.00					
24910240	Prep procd rack 441-445 reinstln-VV ion gage/RGA	5	12APR12	12APR12	18APR12	18APR12	73	6,859.84		0.00					
24910280	Design rack 447-448 re-installation-Fiber Optics	17	19APR12	19APR12	11MAY12	11MAY12	73	23,970.56		0.00					
24910290	Prep procd rack 447-448 re-instaltn-Fiber Optics	3	14MAY12	14MAY12	16MAY12	16MAY12	73	4,668.16		0.00					
24910330	Design rack 449 re-installation - Glow Discharge	45	17MAY12	17MAY12	20JUL12	20JUL12	73	67,916.64		0.00					
24910340	Prep procedure rack 449 reinstall-Glow Discharge	5	23JUL12	23JUL12	27JUL12	27JUL12	73	6,859.84		0.00					
24910400	Dsgn rack 488 reinstal-Dep monitr/fast xray	20	30JUL12	30JUL12	24AUG12	24AUG12	73	28,638.72		0.00					
24910410	Prp procd rck 488 reinst-Dep montr/fast xray	5	27AUG12	27AUG12	31AUG12	31AUG12	73	6,859.84		0.00					
24910470	Design rack re-installation - PSI Camera	20	04SEP12	04SEP12	01OCT12	01OCT12	73	28,669.56		0.00					
24910480	Prep procedure rack re-installation - PSI Camera	5	02OCT12	02OCT12	08OCT12	08OCT12	73	7,007.04		0.00					
24910520	Dsgn rack reinstallation-Ultra Fast X-ray Camera	20	09OCT12	09OCT12	05NOV12	05NOV12	73	29,255.52		0.00					
24910530	Prp procd rack reinstall-Ultra Fast X-ray Camera	5	06NOV12	06NOV12	12NOV12	12NOV12	73	7,007.04		0.00					
24910570	Dsgn rack re-install - Transmissn Grating Spectrom	13	13NOV12	13NOV12	03DEC12	03DEC12	73	15,958.08		0.00					
24910580	Prp procd rack reinstall-Transm Grating Spectrom	3	04DEC12	04DEC12	06DEC12	06DEC12	73	7,409.28		0.00					
24910600	Design rack re-installation -IR Camera at Bay L	12	07DEC12	07DEC12	02JAN13	02JAN13	73	18,891.84		0.00					
24910610	Prep procd rack re-installatn-IR Camera at Bay L	3	03JAN13	03JAN13	07JAN13	07JAN13	73	4,769.28		0.00					
24910630	Design rack re-installation - IR Camera at Bay K	24	01OCT12*	01OCT12*	01NOV12	01NOV12	33	41,651.04		0.00					
24910640	Prep procedure rack reinstall-IR Camera at Bay K	3	02NOV12	02NOV12	06NOV12	06NOV12	33	4,769.28		0.00					
24910660	Dsgn rack re-install-Reconf AC & Diagnostic Trays	45	07NOV12	07NOV12	21JAN13	21JAN13	33	79,945.44		0.00					
24910670	Prp procd rack reinstall-Reconf AC & Diagnt Tray	5	22JAN13	22JAN13	28JAN13	28JAN13	33	7,007.04		0.00					
24910730	Prep procd Equip reinstln Bay J-Two gas injectr	10	29JAN13	29JAN13	11FEB13	11FEB13	33	14,171.20		0.00					
24910780	Prep procd Equip reinstln Bay J-Reflectometer	5	12FEB13	12FEB13	18FEB13	18FEB13	33	7,085.60		0.00					
24910830	Prep procd Equip reinstln Bay J-Bolometer	5	19FEB13	19FEB13	25FEB13	25FEB13	33	7,085.60		0.00					
24910880	Prep procd Equip reinstln Bay J-RF Prove	5	26FEB13	26FEB13	04MAR13	04MAR13	33	7,085.60		0.00					
24910930	Prep procd Equip reinstln Bay J-S-Flip	5	05MAR13	05MAR13	11MAR13	11MAR13	33	7,085.60		0.00					
24910980	Prep procd Equip reinstln Bay J-SSNPA	5	12MAR13	12MAR13	18MAR13	18MAR13	33	7,085.60		0.00					
24911030	Prep procd Equip reinst Bay J-Re-entrant Window	5	19MAR13	19MAR13	25MAR13	25MAR13	33	7,085.60		0.00					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY				
											FY11	FY12	FY13	FY14	
24911180	Prep procd Equip reinst NB2 Duct-IR Window f/Cam	5	26MAR13	26MAR13	01APR13	01APR13	33	7,085.60		0.00					
24911230	Prep procd EQ reinst NB2 Duct-Trans Gratng Spect	5	02APR13	02APR13	08APR13	08APR13	33	7,085.60		0.00					
24911280	Prep procd EQ reinstal New pmp duct-VV Ion Gages	5	09APR13	09APR13	15APR13	15APR13	33	7,085.60		0.00					
24911340	Design Equip re-installatn Bay L - SPRED	10	16APR13	16APR13	29APR13	29APR13	33	18,274.40		0.00					
24911350	Prep procedure Equip re-installatn Bay L -SPRED	3	30APR13	30APR13	02MAY13	02MAY13	33	4,773.76		0.00					
24911360	Procure Equipment re-installatn Bay L - SPRED	1	03MAY13	03MAY13	03MAY13	03MAY13	185	4,057.12		0.00					
24911370	Fabrication Equipment re-installatn Bay L-SPRED	5	06MAY13	06MAY13	10MAY13	10MAY13	185	8,886.40		0.00					
24911410	Prelim Design New Pump Duct - RGA	10	03MAY13	03MAY13	16MAY13	16MAY13	33	25,360.00		0.00					
24911420	Final Design New Pump Duct - RGA	10	17MAY13	17MAY13	31MAY13	31MAY13	33	25,360.00		0.00					
24911430	Prep procd Equip reinstalltn New Pump Duct - RGA	5	03JUN13	03JUN13	07JUN13	07JUN13	33	7,011.52		0.00					
24911440	Procure Equipment reinstallatn New Pump Duct-RGA	1	10JUN13	10JUN13	10JUN13	10JUN13	165	11,977.12		0.00					
24911480	Design Bay L - LOWEUS	10	10JUN13	10JUN13	21JUN13	21JUN13	33	18,274.40		0.00					
24911490	Prep procedure Equip re-installatn Bay L- LOWEUS	3	24JUN13	24JUN13	26JUN13	26JUN13	33	4,773.76		0.00					
24911500	Procure Equipment re-installatn Bay L- LOWEUS	1	27JUN13	27JUN13	27JUN13	27JUN13	142	1,417.12		0.00					
24911510	Fabrication Equipment re-installatn Bay L-LOWEUS	10	28JUN13	28JUN13	15JUL13	15JUL13	142	8,886.40		0.00					
24911530	Design Bay L - IR Camera	6	27JUN13	27JUN13	08JUL13	08JUL13	33	15,189.12		0.00					
24911540	Prep procd Equip re-installatn Bay L- IR Camera	3	09JUL13	09JUL13	11JUL13	11JUL13	33	4,237.92		0.00					
24911550	Procure Equip re-installatn Bay L- IR Camera	1	12JUL13	12JUL13	12JUL13	12JUL13	143	2,640.00		0.00					
24911580	Design Bay L - Glow Discharge	10	12JUL13	12JUL13	25JUL13	25JUL13	33	18,274.40		0.00					
24911590	Prep procd EQ reinstallatn Bay L-Glow Discharge	3	26JUL13	26JUL13	30JUL13	30JUL13	33	4,773.76		0.00					
24911600	Procure EQ re-installatn Bay L-Glow Discharge	1	31JUL13	31JUL13	31JUL13	31JUL13	33	4,057.12		0.00					
24911610	Fabrication EQ reinstallatn Bay L-Glow Discharge	10	01AUG13	01AUG13	14AUG13	14AUG13	33	8,886.40		0.00					
24911700	Design 5 sections of Platform EI 118' W Side NTC	10	15AUG13	15AUG13	28AUG13	28AUG13	33	18,646.72		0.00					
24911710	Prep procd 5 sections of Platform EI 118' W Side	3	29AUG13	29AUG13	03SEP13	03SEP13	33	4,251.36		0.00					
24911720	Fab 5 sections of Platform EI 118' W Side NTC	20	04SEP13	04SEP13	01OCT13	01OCT13	87	53,275.36		0.00					
24911740	Fin Dsgn Power/Ground/Light @ Platform WSide NTC	20	04SEP13	04SEP13	01OCT13	01OCT13	33	31,946.16		0.00					
24911760	Procuremnt Power/Ground/Light @ Platform W NTC	1	02OCT13	02OCT13	02OCT13	02OCT13	86	5,400.00		0.00					
24911780	Design 42 Ckt Panel NTC/30 Ckt Panel Gallery	25	02OCT13	02OCT13	05NOV13	05NOV13	33	34,749.76		0.00					
24911790	Prep procd 42 Ckt Panel NTC/30 Ckt Panel Gallery	3	06NOV13	06NOV13	08NOV13	08NOV13	33	4,927.84		0.00					
24911800	Procuremnt 42 Ckt Panel NTC/30 Ckt Panel Gallery	1	11NOV13	11NOV13	11NOV13	11NOV13	58	81,000.00		0.00					
24911940	Prel Dsgn New Pmp Duct-Tank Farm/TMB Sys/Gas Sol	10	11NOV13	11NOV13	22NOV13	22NOV13	33	26,219.20		0.00					
24911950	Fin Dsgn New Pmp Duct-Tank Farm/TMB Sys/Gas Sol	10	25NOV13	25NOV13	10DEC13	10DEC13	33	26,219.20		0.00					
24911960	Prep proc EQ Reinst New Pmp Duct-Tank Farm/TMB S	5	11DEC13	11DEC13	17DEC13	17DEC13	33	14,651.20		0.00					
24911970	Proc EQ Reinst New Pmp Duct-Tank Farm/TMB Sys/Ga	1	18DEC13	18DEC13	18DEC13	18DEC13	33	18,900.00		0.00					
Re-Installation															
24910049	BEGIN RE-INSTALLATION OF DIAGNOSTICS	0			12FEB14	12FEB14	1	0.00		0.00					
24910050	re-install rack 419 - UCLA Reflectometer	6	13FEB14	13FEB14	20FEB14	20FEB14	1	11,294.64		0.00					
24910100	re-install rack 431-435 - VV T/C & magnetics	30	21FEB14	21FEB14	03APR14	03APR14	1	68,132.72		0.00					
24910200	re-install rack 440 - SPRED	8	04APR14	04APR14	15APR14	15APR14	1	15,805.80		0.00					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY				
											FY11	FY12	FY13	FY14	
24910250	re-install rack 441-445 - VV ion gages, RGA	20	19MAR14	19MAR14	15APR14	15APR14	1	42,692.40		0.00					
24910300	re-install rack 447-448 - Fiber Optics	10	28APR14	28APR14	09MAY14	09MAY14	14	14,455.80		0.00					
24910350	re-install rack 449 - Glow Discharge	15	23JAN14	23JAN14	12FEB14	12FEB14	35	31,611.60		0.00					
24910420	re-install rack 488-Dep monitor/fast xray	10	13FEB14	13FEB14	26FEB14	26FEB14	35	21,993.12		0.00					
24910490	re-install rack - PSI Camera	10	27FEB14	27FEB14	12MAR14	12MAR14	35	21,074.40		0.00					
24910540	re-install rack - Ultra Fast X-ray Camera	10	13MAR14	13MAR14	26MAR14	26MAR14	35	21,074.40		0.00					
24910590	re-install rack-Transmission Grating Spectrometr	7	27MAR14	27MAR14	04APR14	04APR14	35	14,752.08		0.00					
24910620	re-install rack - IR Camera at Bay L	4	07APR14	07APR14	10APR14	10APR14	35	8,699.76		0.00					
24910650	re-install rack - IR Camera at Bay K	15	12MAY14	12MAY14	02JUN14	02JUN14	14	31,611.60		0.00					
24910680	re-install rack-Reconfigure AC & Diagnostic tray	30	13FEB14	13FEB14	26MAR14	26MAR14	20	82,417.52		0.00					
24910740	re-install Equipment Bay J - Two gas injectors	10	27MAR14	27MAR14	09APR14	09APR14	20	21,074.40		0.00					
24910790	re-install Equipment Bay J - Reflectometer	20	10APR14	10APR14	07MAY14	07MAY14	20	49,436.00		0.00					
24910840	re-install Equipment Bay J - Bolometer	20	10APR14	10APR14	07MAY14	07MAY14	20	49,436.00		0.00					
24910890	re-install Equipment Bay J - RF Prove	20	10APR14	10APR14	07MAY14	07MAY14	20	49,436.00		0.00					
24910940	re-install Equipment Bay J - S-Flip	15	17APR14	17APR14	07MAY14	07MAY14	20	49,436.00		0.00					
24910990	re-install Equipment Bay J - SSNPA	20	13FEB14	13FEB14	12MAR14	12MAR14	36	49,436.00		0.00					
24911040	re-install Equipment Bay J - Re-entrant Window	1	13MAR14	13MAR14	13MAR14	13MAR14	36	1,053.72		0.00					
24911190	re-install Equipment NB2 Duct-IR Window /Camera	3	14MAR14	14MAR14	18MAR14	18MAR14	36	3,161.16		0.00					
24911240	reinstall Equip NB2 Duct-Transm Grating Spectro	20	19MAR14	19MAR14	15APR14	15APR14	36	49,436.00		0.00					
24911290	reinstall EQ New pump duct-VV Ion Gages/Filament	20	08MAY14	08MAY14	05JUN14	05JUN14	20	49,436.00		0.00					
24911380	re-install Bay L - SPRED	20	13FEB14	13FEB14	12MAR14	12MAR14	25	42,148.80		0.00					
24911450	Re-install New Pump Duct - RGA	20	13MAR14	13MAR14	09APR14	09APR14	25	42,148.80		0.00					
24911520	re-install Bay L - LOWEUS	20	13MAR14	13MAR14	09APR14	09APR14	25	42,148.80		0.00					
24911570	re-install Bay L - IR Camera	15	20MAR14	20MAR14	09APR14	09APR14	25	16,480.80		0.00					
24911620	re-install Bay L - Glow Discharge	20	10APR14	10APR14	07MAY14	07MAY14	25	42,148.80		0.00					
24911730	instl 5 sections of Platform EI 118' W Side NTC	5	08MAY14	08MAY14	14MAY14	14MAY14	25	21,912.80		0.00					
24911770	Install Power/Ground/Light @ Platform W Side NTC	10	15MAY14	15MAY14	29MAY14	29MAY14	25	21,074.40		0.00					
24911810	Install 42 Ckt Panel NTC/30 Ckt Panel Gallery	20	01MAY14	01MAY14	29MAY14	29MAY14	25	49,436.00		0.00					
24911980	Reinstall New Pmp Duct-Tank Farm/TMB Sys/Gas So	50	20MAR14	20MAR14	29MAY14	29MAY14	25	110,818.72		0.00					
24911999	DIAGNOSTICS RE-INSTALLED	0			29MAY14	29MAY14	25	0.00		0.00					
24910001	Test Cell Oversight during diag removals	169	03APR12	03APR12	30NOV12	30NOV12	181	158,321.15		0.00					
24910002	Test Cell Oversight during diag re-installation	87	13FEB14	13FEB14	16JUN14	16JUN14	74	266,711.52		0.00					
FY092490	FY09 Actual Cost	22	23FEB09A	23FEB09A	30SEP09A	30SEP09A		143,025.00	100	143,025.00					
FY102490	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A		115,145.00	100	115,145.00					
FY102490A	FY10 Actual Cost	45	01JUN10A	01JUN10A	30JUL10A	30JUL10A		20,036.00	100	20,036.00					
Job: 3200 - Water Cooling System Mods-DENault															
3200-0015	Prelim Dsn-Design Drawings	30	03MAY10A	03MAY10A	14JUN10A	14JUN10A		0.00	100	0.00					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY11	FY12	FY13	FY14
532 - FCPC PF5 DC Systems*NOT IN PROJECT SCOPE**														
530XXX		1	01OCT10	01NOV10A	01OCT10	01NOV10A		0.00	100	0.00				
532 - TA-NTC DC Systems														
532-003	532- PCTS Changes -FINAL DESIGN PREP	99*	01DEC10*	01DEC10A	26APR11	26APR11	415	7,494.60	3	224.84	EA//SB =60 ;			
532-005	532- PCTS Changes -procedures, specs, revision	65	31OCT12*	31OCT12*	11FEB13	11FEB13	34	8,391.60		0.00	EE//EM =24 ; EA//SB =60 ;			
532-009	532- PCTS Changes -Procurement	140	12FEB13*	12FEB13*	29AUG13	29AUG13	34	19,800.00		0.00			41=15,000 ;	
532-013	532- PCTS Changes -Installation	80	23SEP13*	23SEP13*	24JAN14	24JAN14	19	73,484.41		0.00			EE//EM =16 ; EE//SM =80 ; EE//TB =160 ; 41=30,000 ;	
532-017	532- PCTS Changes -Test&Commission	20	27JAN14	27JAN14	21FEB14	21FEB14	19	4,594.16		0.00			EE//EM =08 ; EE//SM =08 ; EE//TB =16 ;	
54 - Control & Protection System														
541-001	Control & Protection Systems- FINAL DESIGN PREP	140*	01DEC10*	01DEC10A	23JUN11	23JUN11	38	37,473.00	3	1,124.19	EA//SB = 300 ;			
541-005	541 - Electrical Interlocks -proced, specs, revs	433	24JUN11	24JUN11	21MAR13	21MAR13	46	203,256.67		0.00			EE//EM =772 ; EA//SB	
541-009	541 - Electrical Interlocks -Procurement PLC	80	22MAR13*	22MAR13*	16JUL13	16JUL13	46	134,640.00		0.00			41=102,000 ;	
541-013	541 - Electrical Interlocks -Installation	80	19AUG13*	19AUG13*	11DEC13	11DEC13	23	389,491.44		0.00			EE//EM =772 ; EE//SM =120 ; EE//TB =1,200 ; 41=75,000 ;	
541-017	541 - Electrical Interlocks -Test&Commission	40	12DEC13*	12DEC13*	17FEB14	17FEB14	23	30,744.40		0.00			EE//EM =40 ; EE//SM =40 ; EE//TB =160 ;	
542-005	542 - Kirk Key Interlocks -Dsn	536	24JUN11	24JUN11	16AUG13	16AUG13	38	18,490.16		0.00			EE//EM =40 ; E	
542-009	542 - Kirk Key Interlocks -Procurement	65	19AUG13*	19AUG13*	18NOV13	18NOV13	38	20,042.31		0.00			41=15,000 ;	
542-013	542 - Kirk Key Interlocks -Installation	20	19NOV13	19NOV13	18DEC13	18DEC13	38	22,054.48		0.00			EE//EM =16 ; EE//SM =40 ; EE//TB =120 ;	
542-017	542 - Kirk Key Interlocks -Test&Commission	20	19DEC13	19DEC13	27JAN14	27JAN14	38	26,857.60		0.00			EE//EM =40 ; EE//SM =40 ; EE//TB =120 ;	
543-005	543 - Real Time Control -Develop algorithms	100	15AUG13*	15AUG13*	16JAN14	16JAN14	45	190,109.57		0.00			EE//EM =960 ;	
545-005	545 - Instrumentation -Dsn	480	24JUN11	24JUN11	28MAY13	28MAY13	74	56,776.90		0.00			EE//EM =200 ; EA//S	
545-009	545 - Instrumentation -Procure Transducers	120	15JUL13*	15JUL13*	13JAN14	13JAN14	43	306,001.25		0.00			41=229,000 ;	
545-013	545 - Instrumentation -Installation	50	14JAN14	14JAN14	24MAR14	24MAR14	43	198,469.52		0.00			EE//EM =104 ; EE//SM =128 ; EE//TB =480 ; 41=80,000 ;	
545-017	545 - Instrumentation -Test&Commission	20	25MAR14	25MAR14	21APR14	21APR14	43	68,646.64		0.00			EE//EM =128 ; EE//SM =88 ; EE//TB =280 ;	
546-005	546 - Coil Analog Protection Dsn	431	24JUN11	24JUN11	19MAR13	19MAR13	51	94,196.36		0.00			EE//EM =400 ; EA//SB	
546-009	546 - Coil Analog Protection -Procurement	112	20MAR13*	20MAR13*	27AUG13	27AUG13	51	10,560.00		0.00			41=8,000 ;	
546-013	546 - Coil Analog Protection -Installation	20	28AUG13*	28AUG13*	25SEP13	25SEP13	51	58,349.60		0.00			EE//EM =80 ; EE//SM =160 ; EE//TB =160 ; 41=00 ;	
546-017	546 - Coil Analog Protection -Test&Commission	65	26SEP13	26SEP13	08JAN14	08JAN14	51	29,492.94		0.00			EE//EM =80 ; EE//SM =32 ; EE//TB =80 ;	
55 - Systems Design & Integration														
551-001	551 - Sys Dsgn -design support, analysis (LOE)	1,098*	03MAY10A	03MAY10A	25SEP14	25SEP14	1,490	412,014.46	LOE	61,390.16				
551-001A	551 - FDR Transition Area	41*	01DEC10*	03JAN11*	28FEB11	28FEB11	76	0.00	3	0.00	EE//EM =0 ; EA//SB =0 ;			
551-008	551 - FDR PF1a	81*	01DEC10*	01DEC10A	31MAR11	31MAR11	53	35,736.00	3	1,072.08	EE//EM =120 ; EA//SB =120 ;			
551-009	551 - FDR TF/OH	76*	15DEC10*	15DEC10A	07APR11	07APR11	123	35,736.00	3	1,072.08	EE//EM =120 ; EA//SB =120 ;			
551-009A	CSU Power System - Peer review	0			16MAY11	16MAY11*	2,328	0.00		0.00				
552-001	552 - System Testing -Prepare Procedures	90	15OCT13	15OCT13	03MAR14	03MAR14	13	41,367.60		0.00			EE//EM =120 ; EA//SB =120 ;	
552-003	552 - System Testing -Testing	65	04MAR14	04MAR14	03JUN14	03JUN14	13	156,125.36		0.00			EE//EM =448 ; EE//SM =80 ; EE//TB =536 ;	
FY095000	FY09 Actual Cost	22*	23FEB09A	23FEB09A	30SEP09A	30SEP09A		385,771.00	100	385,771.00				
FY105000	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A		623,027.00	100	623,027.00				

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY				
											FY11	FY12	FY13	FY14	
FY105000A	FY10 Actual Cost	130	01APR10A	01APR10A	30SEP10A	30SEP10A		94,238.00	100	94,238.00	81=130378				
Job: 5200 - Digital Coil Protection-HATCHER															
04	Project Oversight	620*	01NOV10*	01NOV10A	29APR13	29APR13	1,841	248,849.99	LOE	14,931.00					EE//EM=1350
20	Systems Code Development	120*	01NOV10*	01NOV10A	27APR11	27APR11	2,341	27,662.40	80	22,129.92					EE//EM=160
08	Prep System Description	53*	08NOV10*	08NOV10A	12NOV10	31JAN11	1,911	3,457.80	90	3,112.02					EE//EM=20
11	Digital Conceptual Design	60*	15NOV10	15NOV10A	19JAN11	16FEB11	1,911	22,957.88	45	10,331.04					EE//EM=108;EC//EM=32
10	Analog Conceptual Design	40*	15NOV10	15NOV10A	19JAN11	19JAN11	1,926	18,672.12	45	8,402.45					EE//EM=108
12	Conceptual Design Analysis & Alg. Prep.	100*	15NOV10	15NOV10A	13APR11	13APR11	2,351	56,616.60	20	11,323.32					EE//EM=60;EA//EM=240
09	Prep System Requirements	48*	15NOV10	15NOV10A	07DEC10	31JAN11	2,403	12,102.30	85	10,286.96					EE//EM=70
13	CDR Prep. & Review	5	20JAN11	25JAN11	26JAN11	31JAN11*	1,913	8,457.04		0.00					EE//EM=40;EA//EM=8
16	CDR Chit Resolution	5	27JAN11*	01FEB11*	02FEB11	07FEB11	1,913	6,915.60		0.00					EE//EM=40
17	Analog Preliminary Design	45	03FEB11	08FEB11	06APR11	11APR11	1,913	39,764.70		0.00					EE//EM=230
18	Digital Preliminary Design	40	03FEB11	17FEB11	30MAR11	13APR11	1,911	40,178.68		0.00					EE//EM=220;EC//EM=16
19	PDR Prep. & Review	15	07APR11	14APR11	27APR11	04MAY11	1,911	17,849.10		0.00					EE//EM=80;EC//EM=30
23	PDR Chit Resolution	10	28APR11	05MAY11	11MAY11	18MAY11	1,911	5,532.48		0.00					EE//EM=32
24	CSU FDR Prep	15	12MAY11	19MAY11	02JUN11	09JUN11	1,911	6,915.60		0.00					EE//EM=40
28	Systems Code - A	120	03OCT11*	03OCT11*	28MAR12	28MAR12	1,832	54,355.60		0.00					EE//EM=200;EA//SB=120
30	DCPS Algorithms	120	03OCT11*	03OCT11*	28MAR12	28MAR12	1,832	128,281.60		0.00					EE//EM=320;EA//EM=320
5200-0024A	DCP - Peer Review	0			16MAY11	16MAY11*	2,328	0.00		0.00					
25	Analog Design - Pt. I	130	12JAN12*	12JAN12*	13JUL12	13JUL12	1,757	49,398.48		0.00					EE//EM=248;EA//SB=12;EE//TB=8
26	Digital Design - Pt. I	130	12JAN12*	12JAN12*	13JUL12	13JUL12	1,757	44,816.44		0.00					EE//EM=212;EC//TB=40;EA//SB=12
27	Hardware Interface	120	12JAN12*	12JAN12*	28JUN12	28JUN12	1,767	20,646.40		0.00					EE//EM=80;EA//SB=40
29	Final Design Review	20	16JUL12	16JUL12	10AUG12	10AUG12	1,757	7,583.60		0.00					EE//EM=40
35	Systems Code - B	240	13AUG12	13AUG12	31JUL13	31JUL13	1,757	227,205.52		0.00					EE//EM=720;EC//EM=360;EA//EM=160
5200013M	DCP -Hardware (procure & Install)	200	01MAR13*	01MAR13*	13DEC13	13DEC13	1,663	557,676.00		0.00					41=420,000 ;
5200013N	DCP -Cabling and Raceways	100	01OCT13*	01OCT13*	03MAR14	03MAR14	1,615	78,300.00		0.00					41=18,000 ; 41=40,000 ;
34	Digital Design - Pt. II	120	01OCT13*	01OCT13*	31MAR14	31MAR14	1,515	225,380.42		0.00					EE//EM=770;EC//EM=184;EE//TB=440
32	Real Time Programming	150	01OCT13*	01OCT13*	12MAY14	12MAY14	1,565	177,467.20		0.00					EE//EM=360;EC//EM=680
33	Analog Design - Pt. II	120	01OCT13*	01OCT13*	31MAR14	31MAR14	1,595	234,416.40		0.00					EE//EM=880;EE//TB=600
31	External Interface & Response	80	01APR14	01APR14	23JUL14	23JUL14	1,515	41,807.40		0.00					EE//EM=180;EA//SB=40
36	Systems Integration & Testing	20	24JUL14*	24JUL14*	20AUG14	20AUG14	1,515	41,970.40		0.00					
5200-010	Woolley October Budget	20	01OCT10*	01OCT10A	28OCT10	29OCT10A		4,495.14	100	4,495.14					woolley= 26 ;
FY105200A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		83,402.00	100	83,402.00					
Job: 5501 - Coil Bus Runs-SMITH															
Design															
5501-0007	FEMA	5	03MAY10A	03MAY10A	07MAY10A	07MAY10A		0.00	100	0.00					
5501-0009	Eng Dsgn: elect, thermal, EM & stress-OH BUS	4	21MAY10A	21MAY10A	26MAY10A	26MAY10A		0.00	100	0.00					
5501-0010	CAD:Coaxial bus dsgn/bus routing/supports-OH BUS	5	10MAY10A	10MAY10A	14MAY10A	14MAY10A		0.00	100	0.00					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY				
											FY11	FY12	FY13	FY14	
5501-0011	Analysis Mech: thermal, EM & stress-OH BUS	2	17MAY10A	17MAY10A	18MAY10A	18MAY10A		0.00	100	0.00					
5501-0012	Analysis Elec: electrical-OH BUS	2	17MAY10A	17MAY10A	18MAY10A	18MAY10A		0.00	100	0.00					
5501-0014	Eng Dsgn: elect, thermal, EM & stress-PF BUS	4	27MAY10A	27MAY10A	02JUN10A	02JUN10A		0.00	100	0.00					
5501-0015	CAD: bus routing, supports-PF BUS	5	07MAY10A	07MAY10A	13MAY10A	13MAY10A		0.00	100	0.00					
5501-0016	Analysis Mech: thermal, EM & stress-PF BUS	2	14MAY10A	14MAY10A	17MAY10A	17MAY10A		0.00	100	0.00					
5501-0017	Analysis Elec: electrical-PF BUS	2	14MAY10A	14MAY10A	17MAY10A	17MAY10A		0.00	100	0.00					
5501-0019	Eng Dsgn: elect, thermal, EM & stress-TF BUS	4	03JUN10A	03JUN10A	08JUN10A	08JUN10A		0.00	100	0.00					
5501-0020	CAD: bus routing, supports-TF BUS	10	13MAY10A	13MAY10A	26MAY10A	26MAY10A		0.00	100	0.00					
5501-0021	Analysis Mech: thermal, EM & stress-TF BUS	2	27MAY10A	27MAY10A	28MAY10A	28MAY10A		0.00	100	0.00					
5501-0022	Analysis Elec: electrical-TF BUS	2	27MAY10A	27MAY10A	28MAY10A	28MAY10A		0.00	100	0.00					
5501-0024	Eng Dsgn: elect, thermal, EM & stress-CHI BUS	4	09JUN10A	09JUN10A	14JUN10A	14JUN10A		0.00	100	0.00					
5501-0025	CAD:ring bus design/bus routing/supports-CHI BUS	18	26MAY10A	26MAY10A	21JUN10A	21JUN10A		0.00	100	0.00					
5501-0026	Analysis Mech: thermal, EM & stress-CHI BUS	2	22JUN10A	22JUN10A	23JUN10A	23JUN10A		0.00	100	0.00					
5501-0027	Analysis Elec: electrical-CHI BUS	2	22JUN10A	22JUN10A	23JUN10A	23JUN10A		0.00	100	0.00					
5501-0028	Update Cost & Schedule Estimate	3	11JUN10A	11JUN10A	15JUN10A	15JUN10A		0.00	100	0.00					
5501-0029	PDR Prep & PDR	6	16JUN10A	16JUN10A	23JUN10A	23JUN10A		0.00	100	0.00					
5501-0030	Disposition of PDR CHITS	30	24JUN10A	24JUN10A	05AUG10A	05AUG10A		0.00	100	0.00					
5501-0031	Eng Dsn & CAD Model Updates	38	23JUN10A	23JUN10A	25AUG10A	25AUG10A		0.00	100	0.00					
5501-0032	OH Coaxial Bus Prelim Dsgn Updat/Optim Cmpl	8	24JUN10A	24JUN10A	06JUL10A	06JUL10A		0.00	100	0.00					
5501-0033	PF Bus Prelim Dsgn Updat/Optim Cmpl	10	07JUL10A	07JUL10A	20JUL10A	20JUL10A		0.00	100	0.00					
5501-0034	TF Bus Prelim Dsgn Updat/Optim Cmpl	10	21JUL10A	21JUL10A	03AUG10A	03AUG10A		0.00	100	0.00					
5501-0035	CHI Bus Prelim Dsgn Updat/Optim Cmpl	10	04AUG10A	04AUG10A	17AUG10A	17AUG10A		0.00	100	0.00					
5501-0037	Prep DOE CD-2 (Lehman) Review	5	04AUG10A	04AUG10A	10AUG10A	10AUG10A		0.00	100	0.00					
5501-0038	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A	11AUG10A		0.00	100	0.00					
1305-0160	N/A OH Bus Bar Analysis(xfer f/j. Chrzanowski)	39*	02AUG10A	02AUG10A	30SEP10A	30SEP10A		0.00	100	0.00	EA/EM =40 ;				
OH Bus															
5501-0042	Final Design	174*	17AUG10A	17AUG10A	28FEB11	28APR11	9	25,010.31	LOE	12,930.33	EM/EM =162 ;				
5501-0046	Busbar System Design-OH BUS	132*	17AUG10A	17AUG10A	28FEB11	01MAR11	36	3,153.04	80	2,522.43	EM/EM =16 ; EE//EM =04 ;				
5501-0047	Update CAD - OH BUS	132*	17AUG10A	17AUG10A	28FEB11	01MAR11	36	12,078.34	80	9,662.67	EM/EM =10 ; EA//SB =66 ;				
5501-0049	Analysis/Calc: EM/Stress/Thermal-OH BUS	117*	17AUG10A	17AUG10A	28FEB11	08FEB11	2,397	4,500.09	30	1,350.03	EA//SB =24 ;				
5501-0050	Detail Drawings-OH BUS	99*	01MAR11	04OCT10A	04APR11	01MAR11	36	2,997.84	50	1,498.92	EA//EM =24 ;				
5501-0051	Design Validation-OH BUS	5	01MAR11	02MAR11	04APR11	08MAR11	36	7,855.08		0.00	EE//EM =12 ; EA//EM =30 ;				
5501-0051A	Updt Models/Dwgs Ready for Signoff-OH BUS	10	05APR11	09MAR11	09MAY11	22MAR11	36	13,415.25		0.00	EA//SB =96 ; EM//EM=9				
PF Bus															
5501-0055	Busbar System Design-PF BUS	132*	17AUG10A	17AUG10A	28FEB11	01MAR11	36	3,153.04	80	2,522.43	EM/EM =16 ; EE//EM =04 ;				
5501-0056	Update CAD-PF BUS	132*	17AUG10A	17AUG10A	28FEB11	01MAR11	36	12,039.90	80	9,631.92	EM/EM =28 ; EA//SB =63 ;				
5501-0058	Analysis/Calc: EM/Stress/Thermal-PF BUS	132*	17AUG10A	17AUG10A	28FEB11	01MAR11	2,382	4,500.09	30	1,350.03	EA//EM =24 ;				
5501-0059	Detail Drawings-PF BUS	99*	01MAR11	04OCT10A	04APR11	01MAR11	36	11,991.36	50	5,995.68	EA//SB =96 ;				
5501-0060	Design Validation-PF BUS	5	01MAR11	02MAR11	04APR11	08MAR11	36	7,855.08		0.00	EE//EM =12 ; EA//EM =30 ;				

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY11				FY12				FY13				FY14								
5501-0060A	Updt Models/Dwgs Ready for Signoff-PF BUS	10	05APR11	09MAR11	09MAY11	22MAR11	36	15,413.67		0.00	EA/SB =93 ;EM/EM=24																				
TF Bus																															
5501-0063	Busbar System Design-TF BUS	132*	17AUG10A	17AUG10A	28FEB11	01MAR11	74	3,153.04	70	2,207.13	EM/EM =16 ; EE//EM =04 ;																				
5501-0064	Update CAD-TF BUS	132*	17AUG10A	17AUG10A	28FEB11	01MAR11	36	14,436.14	70	10,105.30	EM/EM =34 ; EA//SB =75 ;																				
5501-0066	Analysis/Calc: EM/Stress/Thermal-TF BUS	132*	17AUG10A	17AUG10A	28FEB11	01MAR11	2,382	6,000.12	30	1,800.04	EA/EM =32 ;																				
5501-0067	Detail Drawings-TF BUS	79*	01MAR11	01NOV10A	04APR11	01MAR11	36	6,994.96	50	3,497.48	EA/SB =56 ;																				
5501-0068	Design Validation-TF BUS	5	01MAR11	02MAR11	04APR11	08MAR11	36	7,855.08		0.00	EE//EM =12 ; EA//EM =30 ;																				
5501-0068A	Updt Models/Dwgs Ready for Signoff-TF BUS	10	05APR11	09MAR11	09MAY11	22MAR11	36	12,091.12		0.00	EA/SB =74 ;EM/EM=18																				
CHI Bus																															
5501-0071	Busbar System Design-CHI BUS	132*	17AUG10A	17AUG10A	28FEB11	01MAR11	74	3,153.04	80	2,522.43	EM/EM =16 ; EE//EM =04 ;																				
5501-0072	Update CAD-CHI BUS	132*	17AUG10A	17AUG10A	28FEB11	01MAR11	36	16,891.09	80	13,512.88	EM/EM =38 ; EA//SB =90 ;																				
5501-0074	Analysis/Calc: EM/Stress/Thermal-CHI BUS	132*	17AUG10A	17AUG10A	28FEB11	01MAR11	2,382	4,500.09	30	1,350.03	EA/EM =24 ;																				
5501-0075	Detail Drawings-CHI BUS	79*	01MAR11	01NOV10A	04APR11	01MAR11	36	13,989.92	50	6,994.96	EA/SB =112 ;																				
5501-0076	Design Validation-CHI BU	5	01MAR11	02MAR11	04APR11	08MAR11	36	7,855.08		0.00	EE//EM =12 ; EA//EM =30 ;																				
5501-0076A	Updt Models/Dwgs Ready for Signoff-CHI BUS	10	05APR11	09MAR11	09MAY11	22MAR11	36	18,669.62		0.00	EA/SB =114 ;EM/EM=28																				
5501-0077	Update Cost & Schedule Estimate	5	10MAY11	23MAR11	16MAY11	29MAR11	54	1,265.68		0.00	EM/EM =08 ;																				
5501-0078	FDR Prep	23	10MAY11	29APR11	23MAY11	01JUN11	9	6,328.40		0.00	EM/EM =40 ;																				
5501-0078A	Coil Bus Runs - Peer review	0			16MAY11	16MAY11*	2,328	0.00		0.00	EM/EM =08 ;																				
5501-0079	FDR 5500	1	15JUN11	02JUN11	15JUN11	02JUN11*	9	1,265.68		0.00	EM/EM =08 ;																				
Inner TF Bundle Design																															
1304-0120	N/A Analyze TF Bus Bar (xfer f/j. Chranowski)	17	30SEP10A	30SEP10A	30SEP10A	30SEP10A		0.00	100	0.00	EA/EM =100 ;																				
5501-0082	Prep Req & Procurement Package	10	01FEB13*	01FEB13*	14FEB13	14FEB13	42	14,171.20		0.00	EM/EM =80 ;																				
5501-0083	Submit Req to Procurement	1	15FEB13	15FEB13	15FEB13	15FEB13	42	0.00		0.00																					
5501-0084	Procurement Lead Time	30	18FEB13	18FEB13	29MAR13	29MAR13	42	0.00		0.00																					
5501-0085	Award Coil Bus Run	1	01APR13	01APR13	01APR13	01APR13	42	0.00		0.00																					
5501-0086	Copper Total	80	02APR13	02APR13	25JUL13	25JUL13	42	22,455.56		0.00	EM/EM =02 ; EM//SM =08 ; EM//ST =08 ; 41=15,000 ;																				
5501-0087	Insulation & Protection Total	80	02APR13	02APR13	25JUL13	25JUL13	42	13,215.56		0.00	EM/EM =02 ; EM//SM =08 ; EM//ST =08 ; 41=8,000 ;																				
5501-0088	SS Hardware, Fittings, Materials Total	80	02APR13	02APR13	25JUL13	25JUL13	42	23,775.56		0.00	EM/EM =02 ; EM//SM =08 ; EM//ST =08 ; 41=16,000 ;																				
5501-0089	G10 FR4 Total	80	02APR13	02APR13	25JUL13	25JUL13	42	11,895.56		0.00	EM/EM =02 ; EM//SM =08 ; EM//ST =08 ; 41=7,000 ;																				
5501-0090	Fab & Safety Consumables Total	80	02APR13	02APR13	25JUL13	25JUL13	42	9,255.56		0.00	EM/EM =02 ; EM//SM =08 ; EM//ST =08 ; 41=5,000 ;																				
5501-0091	Struc Support Material Total	80	02APR13	02APR13	25JUL13	25JUL13	42	6,615.56		0.00	EM/EM =02 ; EM//SM =08 ; EM//ST =08 ; 41=3,000 ;																				
5501-0092	Misc Total	80	02APR13	02APR13	25JUL13	25JUL13	42	8,552.04		0.00	EM/EM =30 ; EM//SM =12 ; EA//SB =08 ;																				
5501-0097	Fab/Assembly	140	26JUL13*	26JUL13*	21FEB14	21FEB14	42	41,212.99		0.00	EM/EM =210 ; EE//EM =16 ;																				
5501-0098	Document: Fab/Assy Procedure-OH BUS	5	01OCT13	01OCT13	07OCT13	07OCT13	31	19,677.16		0.00	EM/EM =30 ; EM//SM =12 ; EA//SB =08 ; 41=4,000 ; 35=4,000 ;																				
5501-0099	Fabricatn: pre-installation components-OH BUS	20	08OCT13*	08OCT13*	04NOV13	04NOV13	31	38,946.48		0.00	EM/EM =12 ; EM//ST =320 ;																				
5501-0100	Assembly: pre-installatn components-OH BUD	20	05NOV13*	05NOV13*	04DEC13	04DEC13	31	18,374.40		0.00	EM//ST =160 ;																				
5501-0101	Insulation & Protective Layer-OH BUS	10	19NOV13	19NOV13	04DEC13	04DEC13	31	18,374.40		0.00	EM//ST =160 ;																				

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	Fiscal Year			
											FY11	FY12	FY13	FY14
6100-0043	FDR Prep 6100	37	24MAR11*	22APR11	30MAR11	14JUN11	1	10,714.40		0.00	■ EC//EM =80 ;			
6100-0043A	Control System - Peer review	0			16MAY11	16MAY11*	2,328	0.00		0.00	▼			
6100-0044	Disposition FDR Chits	30	31MAR11	15JUN11	11MAY11	27JUL11	594	2,142.88		0.00	■ EC//EM =16 ;			
6100-0045	Network Design	30	31MAR11	30MAR11	11MAY11	10MAY11	648	6,220.08		0.00	■ EC//EM =16 ; EC//SB =40 ;			
6100-0048	Wait for I&C Procurement Start	1	01AUG13*	01AUG13*	01AUG13	01AUG13	93	149.95		0.00	EC//EM =01 ;			
6100-0049C	CAMAC Replacement proto	60	01OCT13*	01OCT13*	06JAN14	06JAN14	112	37,360.96		0.00	41=16,000 ; EC//EM =32 ; 43=8,000 ;			
6100-0049D	CAMAC Replacement equipment	60	07JAN14*	07JAN14*	31MAR14	31MAR14	112	195,201.20		0.00	41=120,000 ; EC//EM =40 ; 43=20,000 ;			
6100-0050	CAMAC Memory module	90	02OCT13*	02OCT13*	18FEB14	18FEB14	51	25,672.00		0.00	41=11,000 ; EC//EM =08 ; EC//SB =24 ; 43=5,000 ;			
6100-0051	Networking equipment & fiber optics	40	01OCT13*	01OCT13*	25NOV13	25NOV13	192	51,212.24		0.00	41=28,000 ; EC//EM =16 ; EC//SB =24 ; 43=6,000 ;			
6100-0052	GIS rack-move I&C fiber optics & equip.	30	01OCT13*	16APR14*	11NOV13	28MAY14	1	23,048.80		0.00	41=8,000 ; EC//SB =16 ; EC//EM =32 ; 43=4,000 ; 41=00 ; EC//EM =01 ;			
6100-0055	Wait for I&C Fabrication Start (per	1	02JAN13*	02JAN13*	02JAN13	02JAN13	101	149.95		0.00	41=00 ; EC//SB =04 ; EC//EM =24 ;			
6100-0056	I&C Peer Review	5	01MAY13*	01MAY13*	07MAY13	07MAY13	62	4,055.28		0.00	EC//EM =40 ;			
6100-0057C	PCS Infrastructure code & debug	60	08JUL13*	08JUL13*	30SEP13	30SEP13	22	5,998.00		0.00	EC//EM =160 ;			
6100-0058	PSRTC code & debug	60	01OCT13	01OCT13	06JAN14	06JAN14	22	24,804.80		0.00	EC//TB =16 ; EC//EM =32 ; EA//EM =40 ;			
6100-0059	Update PSRTC Simulation models	30	07JAN14	07JAN14	17FEB14	17FEB14	22	15,140.64		0.00	EC//EM =60 ;			
6100-0060	PCS code & debug	60	18FEB14	18FEB14	12MAY14	12MAY14	22	9,301.80		0.00	EC//EM =120 ;			
6100-0061A	CAMAC replacement proto	120	01MAY13*	01MAY13*	21OCT13	21OCT13	17	18,070.20		0.00	EC//EM =300 ;			
6100-0061B	CAMAC replacement - local software	120	22OCT13	22OCT13	21APR14	21APR14	17	46,509.00		0.00	EC//EM =100 ;			
6100-0062	CAMAC replacement - MDSplus changes	20	22APR14	22APR14	19MAY14	19MAY14	17	15,503.00		0.00	EC//EM =16 ;			
6100-0063	Cnr Stk diags data acq changes	10	01OCT13*	01OCT13*	14OCT13	14OCT13	132	2,480.48		0.00	EC//EM =72 ; EC//SB =168 ;			
6100-0064	F CAMAC Replacement systems fab.	90	15OCT13*	15OCT13*	03MAR14	03MAR14	132	30,984.48		0.00	41=5,000 ; EC//EM =16 ; EC//SB =40 ; EE//EM =40 ;			
6100-0065	CAMAC Memory module fab.	60	01OCT13*	01OCT13*	06JAN14	06JAN14	162	21,955.28		0.00	EC//EM =24 ;			
6100-0067	DAS programming for NSTX diags upgd	60	20MAY14	20MAY14	13AUG14	13AUG14	17	3,720.72		0.00	EC//EM =01 ;			
6100-0070	Wait for I&C Installation Start (per NSTX	1	01OCT13*	01OCT13*	01OCT13	01OCT13	111	155.03		0.00	EC//TB =30 ; EC//EM =60 ; EE//EM =45 ; EC//SB =90 ;			
6100-0071	CAMAC Replacement systems install	60	02OCT13	02OCT13	07JAN14	07JAN14	111	31,285.65		0.00	EC//EM =08 ; EC//SB =12 ;			
6100-0072	CAMAC Memory install	10	08OCT13*	08OCT13*	21OCT13	21OCT13	217	2,656.12		0.00	EC//EM =4 ; EA//SB =3 ; EE//SB =8 ;			
6100-0073A	NTC/DARM fiber & network install	30	19FEB14	19FEB14	01APR14	01APR14	51	2,208.08		0.00	EC//EM =08 ; EC//SB =16 ;			
6100-0074	install I&C Thermocouple equipment	5	02OCT13*	02OCT13*	08OCT13	08OCT13	211	3,128.08		0.00	EA//SB =40 ; EC//EM =48 ; EC//SB =60 ; EE//SB =120 ;			
6100-0075	Install I&C due to NTC GIS rack relocation	60	29MAY14*	29MAY14*	21AUG14	21AUG14	1	37,617.24		0.00	EC//SB =08 ; EC//TB =24 ; EE//EM =24 ; EC//EM =40 ;			
6100-0081	CS Infrastructure tests	30	13MAY14*	13MAY14*	24JUN14	24JUN14	27	13,835.36		0.00				
6100-0082	PSRTC Simulation PTP-034	5	25JUN14	25JUN14	01JUL14	01JUL14	27	13,882.56		0.00				
6100-0083	PSRTC PTP-035	5	02JUL14	02JUL14	09JUL14	09JUL14	27	13,441.28		0.00				
6100-0084B	PCS tesing	10	10JUL14	10JUL14	23JUL14	23JUL14	27	6,201.20		0.00				
6100-0085	Support ISTEP-001	5	29AUG14	29AUG14	05SEP14	05SEP14	1	10,960.80		0.00				
6100-0086	CAMAC Replacement system tests	60	20MAY14	20MAY14	13AUG14	13AUG14	17	34,244.00		0.00	EC//SB =80 ; EC//EM =160 ;			
6100-0087	CAMAC Memory bench tests	5	07JAN14	07JAN14	13JAN14	13JAN14	162	5,959.84		0.00	EC//EM =08 ; EC//SB =40 ;			
6100-0088	CAMAC Memory field tests	5	14JAN14	14JAN14	20JAN14	20JAN14	162	3,600.04		0.00	EC//EM =08 ; EC//SB =20 ;			

Activity ID	Activity Description	Work Days	BEGINNING START	Forecast Start	BEGINNING FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY11	FY12	FY13	FY14
6100-0089	Cntr Stk diags testing	5	09OCT13*	09OCT13*	15OCT13	15OCT13	211	5,608.56		0.00				
6100-0090	test relocated I&C GIS rack systems	5	22AUG14	22AUG14	28AUG14	28AUG14	1	14,021.40		0.00				
6100-0092	Project Ready for ISTEP Target	1	08SEP14*	08SEP14*	08SEP14	08SEP14	1	155.03		0.00				
FY106100	FY10 Actual Cost	85	01JAN10A	01JAN10A	30APR10A	30APR10A		14,551.00	100	14,551.00				
FY106100A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		23,560.00	100	23,560.00				
Job: 7100 - Project Mgt & Integration-STRYKOWSKY														
General Arrangement Drawings														
CS7000020G	FY2010 General Arrangement Drawings	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A		0.00	100	0.00				
CS7000031G	FY2011 General Arrangement Drawings	250*	01OCT10*	01OCT10A	30SEP11	30SEP11	1,487	75,098.26	LOE	17,422.80				
CS7000041G	FY2012 General Arrangement Drawings	249	03OCT11*	03OCT11*	28SEP12	28SEP12	1,487	82,045.41		0.00				
CS7000053G	FY2013 General Arrangement Drawings	248	01OCT12*	01OCT12*	30SEP13	30SEP13	1,487	83,452.10		0.00				
CS7000054G	FY2014 General Arrangement Drawings	248	01OCT13*	01OCT13*	30SEP14	30SEP14	1,487	42,828.00		0.00				
Project Management														
FY097100	FY09 Actual Cost	22*	23FEB09A	23FEB09A	30SEP09A	30SEP09A		625,829.00	100	625,829.00				
FY107100	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A		554,759.00	100	554,759.00				
CS7000020	FY2010 Project Management	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A		0.00	100	0.00				
CS7000031	FY2011 Project Management	250*	01OCT10*	01OCT10A	30SEP11	30SEP11	1,487	741,305.01	LOE	171,982.76				
CS7000041	FY2012 Project Management	249	03OCT11*	03OCT11*	28SEP12	28SEP12	1,487	752,945.42		0.00				
CS7000053	FY2013 Project Management	248	01OCT12*	01OCT12*	30SEP13	30SEP13	1,487	844,226.78		0.00				
CS7000054	FY2014 Project Management	248	01OCT13*	01OCT13*	30SEP14	30SEP14	1,487	826,245.96		0.00				
FY107100A	FY10 Actual Cost	130	03MAY10A	03MAY10A	30SEP10A	30SEP10A		226,386.00	100	226,386.00				
Project Reviews														
CS7000020R	FY2010 Project Reviews	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A		0.00	100	0.00				
CS7000031R	FY2011 Project Reviews	250*	01OCT10*	01OCT10A	30SEP11	30SEP11	1,735	25,200.00	LOE	5,846.40				
CS7000041R	FY2012 Project Reviews	249	03OCT11*	03OCT11*	28SEP12	28SEP12	1,735	25,800.00		0.00				
CS7000053R	FY2013 Project Reviews	248	01OCT12*	01OCT12*	30SEP13	30SEP13	1,735	26,400.00		0.00				
CS7000052	ORA support	43	01APR14*	01APR14*	30MAY14	30MAY14	85	111,296.00		0.00				
Work Control Center														
CS7000041W	FY2012 WCC	249	03OCT11*	03OCT11*	28SEP12	28SEP12	1,487	148,936.54		0.00				
CS7000053W	FY2013 WCC	248	01OCT12*	01OCT12*	30SEP13	30SEP13	1,487	304,777.08		0.00				
CS7000054W	FY2014 WCC	248	01OCT13*	01OCT13*	30SEP14	30SEP14	1,487	314,442.68		0.00				

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY11				FY12				FY13				FY14														
Job: 7200 - Center Stack Management-DUDEK																																					
Project Management																																					
7200-01	100FY2010 CSU Management	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A		0.00	100	0.00	EM//EM =323 ; EE//EM =288 ; ; 35=2,083 ; 39=4,541 ;																										
7200-02	FY2011 CSU Management	250*	01OCT10*	01OCT10A	30SEP11	30SEP11	1,494	222,274.76	LOE	51,567.75	EM//EM =777 ; EE//EM =431 ; 35=5,000 ; 39=10,900 ;																										
7200-03	FY2012 CSU Management	245	03OCT11*	03OCT11*	24SEP12	24SEP12	1,494	227,382.39		0.00	EM//EM =690 ; EE//EM =431 ; 35=5,000 ; 39=10,900 ;																										
7200-04	FY2013 CSU Management	245	01OCT12*	01OCT12*	25SEP13	25SEP13	1,490	215,496.25		0.00	EM//EM =690 ; EE//EM =345 ; 35=5,000 ; 39=10,900 ;																										
7200-05	FY2014 CSU Management	248	01OCT13*	01OCT13*	30SEP14	30SEP14	1,487	222,485.45		0.00	EM//EM =690 ; EE//EM =345 ; ; 35=5,184 ; 39=10900 ;																										
FY107200	FY10 Actual Cost	123	02NOV09A	02NOV09A	30APR10A	30APR10A		84,961.00	100	84,961.00																											
FY107200A	FY10 Actual Cost	130	01APR10A	01APR10A	30SEP10A	30SEP10A		137,256.00	100	137,256.00	81=137256																										
Project Reviews																																					
7200-01R	FY2010 CSU Project Reviews	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A		0.00	100	0.00	EM//EM =258																										
7200-02R	FY2011 CSU Project EIR Reviews	250*	01OCT10	01OCT10A	28OCT10	29OCT10A		49,045.10	100	49,045.10	EM//EM =310																										
7200-02S	FY2011 CSU Project OPA Reviews	20	01AUG11*	01AUG11*	26AUG11	26AUG11	2,256	49,045.10	100	0.00	EM//EM =310																										
7200-03R	FY2012 CSU Project OPA Reviews	20	01FEB12*	01FEB12*	28FEB12	28FEB12	2,093	53,781.90		0.00	EM//EM =310																										
7200-03S	FY2012 CSU Project OPA Reviews	20	01AUG12*	01AUG12*	28AUG12	28AUG12	1,965	53,781.90		0.00	EM//EM =310																										
7200-04R	FY2013 CSU Project OPA Reviews	20	01FEB13*	01FEB13*	28FEB13	28FEB13	1,863	54,913.40		0.00	EM//EM =310																										
7200-04S	FY2013 CSU Project OPA Reviews	20	01AUG13*	01AUG13*	28AUG13	28AUG13	1,737	54,913.40		0.00	EM//EM =310																										
7200-05R	FY2014 CSU Project OPA Reviews	20	03FEB14*	03FEB14*	28FEB14	28FEB14	1,636	56,773.40		0.00	EM//EM =310																										
7200-05S	FY2014 CSU Project OPA Reviews	20	01AUG14*	01AUG14*	28AUG14	28AUG14	1,509	56,773.40		0.00																											
Job: 7300 - NB2 Management-STEVENSON																																					
Project Management																																					
7300-01	FY2010 NB2 Management	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A		0.00	100	0.00	EE//EM =372 ; EE//EM =37 ;																										
7300-11	FY2011 NB2 Management	250*	01OCT10*	01OCT10A	30SEP11	30SEP11	1,494	113,070.06	LOE	26,232.25	EE//EM =.33fte ; EE//EM =85 ;																										
7300-21	FY2012 NB2 Management	245	03OCT11*	03OCT11*	24SEP12	24SEP12	1,494	123,991.86		0.00	EE//EM =.33fte ; EE//EM =85 ;																										
7300-31	FY2013 NB2 Management	245	01OCT12*	01OCT12*	25SEP13	25SEP13	1,490	250,286.01		0.00	EE//EM =.70fte ; EE//EM =85 ;																										
7300-35	FY2014 NB2 Management	248	01OCT13*	01OCT13*	30SEP14	30SEP14	1,487	258,768.09		0.00	EE//EM =.70fte ; EE//EM =85 ;																										
FY092410	FY09 Actual Cost	22*	23FEB09A	23FEB09A	30SEP09A	30SEP09A		63,263.00	100	63,263.00																											
FY102410	FY10 Actual Cost	40	01OCT09A	01OCT09A	25NOV09A	25NOV09A		12,157.00	100	12,157.00																											
FY107300	FY10 Actual Cost	123	02NOV09A	02NOV09A	30APR10A	30APR10A		62,401.00	100	62,401.00																											
FY107300A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		62,452.00	100	62,452.00	81=62452																										
Project Reviews																																					
7300-02	FY2010 NB2 RLM's support of OPA reviews	92*	17MAY10A	17MAY10A	06JUL10A	06JUL10A		0.00	100	0.00																											
7300-03	FY2010 NB2 RLM's support of EIR review	20	01OCT10*	01OCT10A	28OCT10	29OCT10A		78,289.60	100	78,289.60	EE//EM =160 ; EM//EM =320 ;																										
7300-12	FY2011 NB2 RLM's support of OPA reviews	20	01AUG11*	01AUG11*	26AUG11	26AUG11	1,743	78,289.60		0.00	EE//EM =160 ; EM//EM =320 ;																										
7300-13	FY2011 NB2 RLM's support of OPA reviews	20	01FEB12*	01FEB12*	28FEB12	28FEB12	1,640	85,851.20		0.00	EE//EM =160 ; EM//EM =320 ;																										
7300-22	FY2012 NB2 RLM's support of OPA reviews	20	01AUG12*	01AUG12*	28AUG12	28AUG12	1,512	85,851.20		0.00	EE//EM =160 ; EM//EM =320 ;																										

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY11				FY12				FY13				FY14			
7300-23	FY2012 NB2 RLM's support of OPA reviews	20	01FEB13*	01FEB13*	28FEB13	28FEB13	1,615	87,656.00		0.00	EE//EM =160 ; EM/EM =320 ;															
7300-32	FY2013 NB2 RLM's support of OPA reviews	20	01AUG13*	01AUG13*	28AUG13	28AUG13	1,509	87,656.00		0.00	EE//EM =160 ; EM/EM =320 ;															
Job: 7400 - Health Physics Support-STEVENSON																										
740000100	FY2010 NBI Decon HP Technical Support	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A		0.00	100	0.00	DP//TB =1,438 ; 41=4,166 ; 43=4,166 ; 31=41,667 ;															
740000110	FY2011 NBI Decon HP Technical Support	250*	04OCT10*	01OCT10A	03OCT11	30SEP11	1,735	511,560.45	LOE	118,682.03	DP//TB =2400 ; 41=10,000 ; 43=10,000 ; 31=100,000 ;															
740000115	FY2011 EQ Removal & Relocation HP Technical Supp	165	02APR12*	02APR12*	21NOV12	21NOV12	458	368,652.64		0.00	DP//TB =2,720 ;															
740000120	FY2012 NBI Decon HP Technical Support	249	04OCT11*	03OCT11*	01OCT12	28SEP12	1,735	551,557.83		0.00	DP//TB =2,400 ; 41=10,000 ; 43=10,000 ; 31=100,000 ;															
740000125	FY2013 NBI Decon HP Technical Support	248	02OCT12	01OCT12	01OCT13	30SEP13	1,735	419,238.73		0.00	DP//TB =2,200 ; 41=5,000 ; 43=5,000 ; 31=50,000 ;															
740000130	FY2014 NBI Decon HP Technical Support	248	01OCT13*	01OCT13*	30SEP14	30SEP14	1,487	269,865.14		0.00	DP//TB =1,726 ; 41=5000 ; 43=5000 ; 31=5000 ;															
FY107400	FY10 Actual Cost	260	01OCT09A	01OCT09A	30SEP10A	30SEP10A		386,510.00	100	386,510.00	81=386510 ;															
JOB: 7700 - NSTX-U HP Allocations-STRYKOWSKY																										
1180*NUL	FY10 Actual Cost	143	01OCT09A	01OCT09A	30SEP10A	30SEP10A		452,420.00	100	452,420.00	54X =452,420 ;															
CS9500070	NSTX Upgrade HP Allocations FY2010	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A		0.00	100	0.00	54X =117682 ;															
CS9500080	NSTX Upgrade HP Allocations FY11	250*	01OCT10*	01OCT10A	30SEP11	30SEP11	1,487	353,100.00	LOE	81,919.20	54X =214000 ;															
CS9500090	NSTX Upgrade HP Allocations FY12	249	03OCT11*	03OCT11*	28SEP12	28SEP12	1,487	535,040.00		0.00	54X =304000 ;															
CS9500100	NSTX Upgrade HP Allocations FY13	248	01OCT12*	01OCT12*	30SEP13	30SEP13	1,487	481,510.00		0.00	54X =269000 ;															
CS9500110	NSTX Upgrade HP Allocations FY14	248	01OCT13*	01OCT13*	30SEP14	30SEP14	1,487	414,000.00		0.00	54X =225000 ;															
FY09NNUL8	FY09 Actual Cost	22*	23FEB09A	23FEB09A	30SEP09A	30SEP09A		367,345.00	100	367,345.00																
Job: 7710 - Upgrade Allocations-STRYKOWSKY																										
1170*NUL	FY10 Actual Cost	143	01OCT09A	01OCT09A	30SEP10A	30SEP10A		170,667.00	100	170,667.00	54X =170667 ;															
7710-10	NSTX Upgrade Direct Allocations FY2010	106	03MAY10A	03MAY10A	30SEP10A	30SEP10A		0.00	100	0.00	54X =96059 ;															
7710-11	NSTX Upgrade Direct Allocations FY11	250*	01OCT10*	01OCT10A	30SEP11	30SEP11	1,487	29,700.00	LOE	6,890.40	54X =18000 ;															
7710-12	NSTX Upgrade Direct Allocations FY12	249	03OCT11*	03OCT11*	28SEP12	28SEP12	1,487	3,520.00		0.00	54X =2000 ;															
7710-13	NSTX Upgrade Direct Allocations FY13	248	01OCT12*	01OCT12*	30SEP13	30SEP13	1,487	3,580.00		0.00	54X =2000 ;															
7710-14	NSTX Upgrade Direct Allocations FY14	248	01OCT13*	01OCT13*	30SEP14	30SEP14	1,487	1,840.00		0.00	54X =1000 ;															
9417*NUL	FY10 Actual Cost	110	01JUN10A	01JUN10A	30SEP10A	30SEP10A		12,934.00	100	12,934.00	54X=12934															
FY09NNUL	FY09 Actual Cost	22*	23FEB09A	23FEB09A	30SEP09A	30SEP09A		158,969.00	100	158,969.00																
Job; 8200 - CS & Coil Sprt Struc Install- VIOLA																										
Close Vessel and Pumpdown																										
FY108200	FY10 Actual Cost	123	02NOV09A	02NOV09A	30APR10A	30APR10A		19,070.00	100	19,070.00																
FY108200A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		6,473.00	100	6,473.00	81=19619															
Management/Oversight/supervision																										
8200-0002	Designs complete	0	03APR12*	03APR12*			139	0.00		0.00																
8200-0003	Sequence complete	0	03APR12*	03APR12*			139	0.00		0.00																
8200-0004	Parts arrived	0	03APR12*	03APR12*			139	0.00		0.00																
8200-0005	Start procedural development	0	03APR12*	03APR12*			139	0.00		0.00																

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY						
											FY11	FY12	FY13	FY14			
8200-0122	Platform areas reinstall	10	15MAY14	15MAY14	29MAY14	29MAY14	11	45,936.00		0.00					EM//ST =400 ;		
8200-0123	Heating Manifold Reconfigure	10	06FEB14	06FEB14	19FEB14	19FEB14	86	56,718.00		0.00					EM//ST =200 ; 41=25,000		
8200-0124	Re-install RF pipes	30	15MAY14*	15MAY14*	26JUN14	26JUN14	51	243,575.20		0.00					ea//em ellis=80; ee//sb damico=300 em//sb miller=600		
8200-0125	Reinstall electrical Tray	40	30MAY14	30MAY14	25JUL14	25JUL14	11	91,872.00		0.00					EM//ST =800 ;		
Bay by Bay Diagnostic																	
8200-0130	Perform bay by bay review Elect	2	27MAR14	27MAR14	28MAR14	28MAR14	24	7,287.20		0.00					EM//SM =40 ;		
8200-0131	Perform bay by bay review Mech	2	31MAR14	31MAR14	01APR14	01APR14	24	7,287.20		0.00					EM//SM =40 ;		
8200-0132	Write reinstallation procedures	5	02APR14	02APR14	08APR14	08APR14	24	18,218.00		0.00					EM//SM =100 ;		
8200-0133	Reinstall Mech	10	09APR14	09APR14	22APR14	22APR14	24	36,748.80		0.00					EM//ST =320 ;		
8200-0134	Reinstall Upper and lower port Eqpt	18	23APR14	23APR14	16MAY14	16MAY14	24	66,147.84		0.00					EM//ST =576 ;		
8200-0135	Reinstall Elect	10	28JUL14	28JUL14	08AUG14	08AUG14	11	22,968.00		0.00							
8200-0136	Testing	10	11AUG14	11AUG14	22AUG14	22AUG14	11	22,968.00		0.00							
Job: 8250 - Remove/Install Centerstack-PERRY																	
Remove Old Centerstack																	
8250-101	Disconnect Hoses	1	02JAN13*	02JAN13*	02JAN13	02JAN13	161	4,967.20		0.00					EM//ST =32 ; EM//SM =08 ;		
8250-105	Remove umbrella lid (top and bottom)	1	03JAN13	03JAN13	03JAN13	03JAN13	161	4,967.20		0.00					EM//ST =32 ; EM//SM =08 ;		
8250-109	Remove flex bus (top and bottom)	6	04JAN13	04JAN13	11JAN13	11JAN13	161	40,466.88		0.00					EM//ST =288 ; EM//SM =48 ;		
8250-113	Support lower bus support structure	4	14JAN13	14JAN13	17JAN13	17JAN13	161	26,977.92		0.00					EM//ST =192 ; EM//SM =32 ;		
8250-117	lift old centerstack	2	18JAN13	18JAN13	21JAN13	21JAN13	161	13,488.96		0.00					EM//ST =96 ; EM//SM =16 ;		
8250-121	Remove old centerstack pedestal	5	22JAN13	22JAN13	28JAN13	28JAN13	235	20,392.80		0.00					EM//ST =120 ; EM//SM =40 ;		
8250-122	Purchase passive plate bolts	65	17OCT12	17OCT12	28JAN13	28JAN13	235	63,360.00		0.00					41=\$48,000		
8250-122A	Replace mounting bolts for passive plates	60	29JAN13	29JAN13	22APR13	22APR13	235	85,309.44		0.00					4 people x 4 hrs x 48 plates=768		
Install New Centerstack																	
8250-123	Dsgn Lift Fixture for new centerstack pedestal	120	01OCT12*	01OCT12*	28MAR13	28MAR13	182	106,284.00		0.00					EM//EM =600 ;		
8250-124	Fab Lift Fixture for new centerstack pedestal	70	01OCT13*	01OCT13*	20JAN14	20JAN14	54	68,623.20		0.00					EM//ST =480 ; 41=10,000 ;		
8250-125	Install new centerstack pedestal	10	21JAN14	21JAN14	03FEB14	03FEB14	54	46,186.00		0.00					EM//ST =240 ; EM//SM =80 ; 41=3,000 ;		
8250-129	Lift in new centerstack (2 times)	4	04APR14	04APR14	09APR14	09APR14	11	27,879.04		0.00					EM//ST =192 ; EM//SM =32 ;		
8250-133	Check vacuum seals	5	10APR14	10APR14	16APR14	16APR14	13	21,068.00		0.00					EM//ST =120 ; EM//SM =40 ;		
8250-137	Install new flex bus (3 times w/2 re-machinings)	27	17APR14	17APR14	23MAY14	23MAY14	13	190,883.52		0.00					EM//ST =1,296 ; EM//SM =216 ; 41=2,000 ;		
8250-141	Install new umbrella (3 times w/2 re-machinings)	6	27MAY14	27MAY14	03JUN14	03JUN14	13	41,818.56		0.00					EM//ST =288 ; EM//SM =48 ;		
Close Vessel and Pumpdown																	
8250-145	Clean, Photo, Close VV	9	04JUN14	04JUN14	16JUN14	16JUN14	13	79,264.80		0.00							
8250-149	Pumpdown	1	17JUN14	17JUN14	17JUN14	17JUN14	13	6,969.76		0.00							
8250-153	Leak check	12	18JUN14	18JUN14	03JUL14	03JUL14	13	83,637.12		0.00					EM//ST =576 ; EM//SM =96 ;		
8250-157	Setup for Bakeout	5	07JUL14	07JUL14	11JUL14	11JUL14	13	34,848.80		0.00							
8250-161	Rayleigh/Raman Scattering	5	14JUL14	14JUL14	18JUL14	18JUL14	13	16,474.40		0.00							
8250-165	Bakeout	16	21JUL14	21JUL14	11AUG14	11AUG14	13	140,915.20		0.00							
8250-169	Recover from bakeout & scrub	7	12AUG14	12AUG14	20AUG14	20AUG14	13	48,788.32		0.00							
8250-173	Ready for ISTP	0			22AUG14	22AUG14	11	0.00		0.00							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	BUDGET	% Cmpl	Earned value cost (BCWP)	FY			
											FY11	FY12	FY13	FY14
Job: 7900 - Integrated System Test-GENTILE														
Integrated System Testing (WBS 1.7 / Job 7900)														
7900-110	Prepare NBI2 & CS ISTP Test Procedures	65	02OCT13*	02OCT13*	14JAN14	14JAN14	127	21,976.80		0.00				
7900-120	Conduct ACC Review of Upgrades	40	15JAN14	15JAN14	11MAR14	11MAR14	127	30,661.60		0.00				
7900-140	Perform ISTP	15	09SEP14	09SEP14	29SEP14	29SEP14	1	14,651.20		0.00				
7900-150	Participate in cost and schedule reviews	911*	01OCT10*	01OCT10A	03SEP14	02JUN14	84	6,910.71	LOE	442.29				
7900-999	NSTX RESUME OPERATIONS	0			29SEP14	29SEP14	1	0.00		0.00				
FY107900	FY10 Actual Cost	40	02NOV09A	02NOV09A	23DEC09A	23DEC09A		3,956.00	100	3,956.00				

EM//EM =120 ;

EM//EM =80 ; EE//EM =80 ;