

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	Year					
											FY11	FY12	FY13	FY14	FY15	FY16

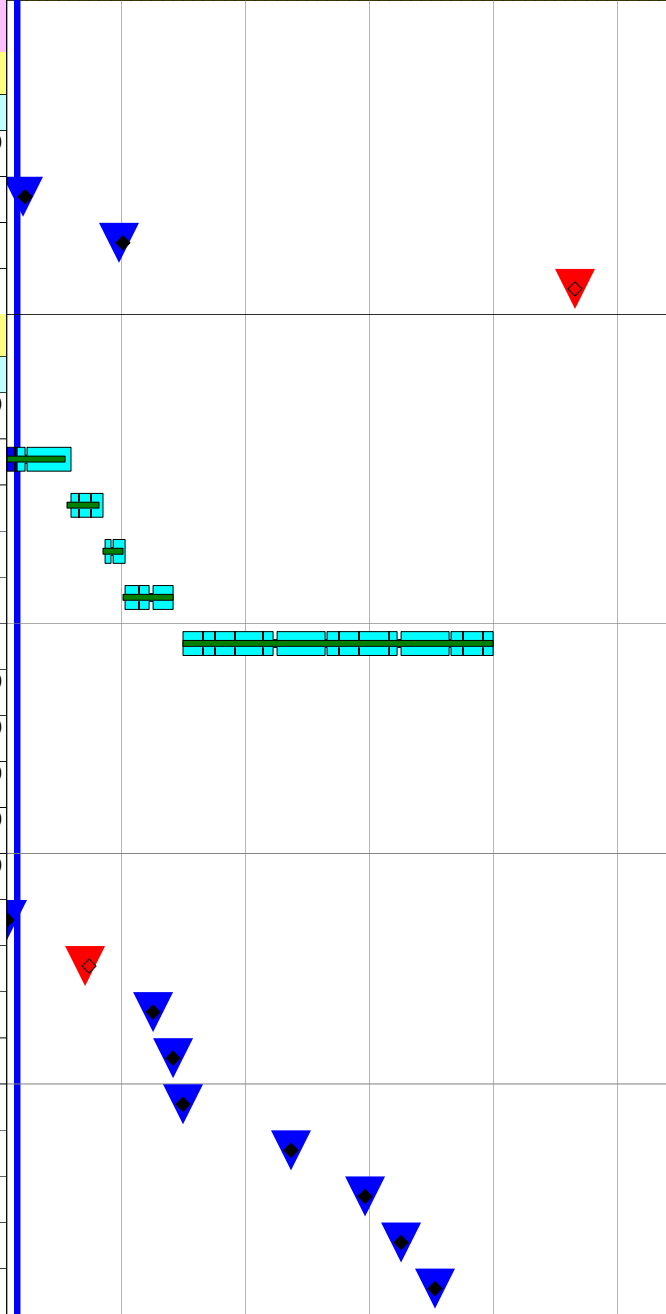
NSTX Upgrade Project

Critical Decisions

LEVEL I										
CD1A	CD1 Approval	0			15APR10A	15APR10A	0		0.00	100
CD2A	Receive CD-2 Approval	0			20DEC10*	16DEC10*	2	290	0.00	
CD3A	Receive CD-3 Approval	0			10OCT11	27SEP11	9	126	0.00	
CD4	CD4	0			29MAY15	29MAY15	0	0	0.00	

Level 2 Milestones

LEVEL II										
0001	**NSTX FY10 RUN- 15 RUN WEEKS**(FY11-4WKS)	149*	01APR10A	01APR10A	29OCT10	29OCT10A	0		0.00	100
0002	**NSTX FY 11 OPENING/MAINTENANCE**	127*	01NOV10*	01NOV10A	22APR11	06MAY11	-10	2,130	0.00	
0003	**NSTX FY11 RUN - 10 RUN WEEKS**	68	25APR11*	09MAY11*	29JUL11	12AUG11	-10	2,130	0.00	
0004	**NSTX FY12 MAINTENACE NO VV VENT!**	41	11AUG11*	15AUG11*	07OCT11	11OCT11	-2	2,130	0.00	
0005	**NSTX RUN 10 RUN WEEKS**	95	10OCT11*	12OCT11*	29FEB12	02MAR12	-2	2,130	0.00	
0006	**NSTX UPGRADE MAJOR OUTAGE**	622	03APR12	03APR12	30SEP14*	30SEP14*	0	1,487	0.00	
CDR	PROJECT CDR	0			28OCT09A	28OCT09A	0		0.00	100
CD1	Submit CD-1 Request	0			22JAN10A	22JAN10A	0		0.00	100
1010	Project Preliminary Design Review (PDR)	0			23JUN10A	23JUN10A	0		0.00	100
PDR	PROJECT PDR	0			23JUN10A	23JUN10A	0		0.00	100
LRCD2	Lehman Review	0			10AUG10A	10AUG10A	0		0.00	100
1000	NB #2 Decon Program Complete	0			01NOV10*	29OCT10A	1		0.00	
FDR	PROJECT FDR	0			30JUN11*	17JUN11*	9	-2	0.00	
1070	Friction Stir-Weld Coil Leads TF Conductors	0			05JAN12	05JAN12	0	17	0.00	
SD-1	NSTX COMPLETE OPERATIONS	0			01MAR12*	01MAR12*	0	139	0.00	
SD-2	BEGIN UPGRADE OUTAGE	0			02APR12	02APR12	0	139	0.00	
1150	Complete Assy And Pot Of 4th Inner TF Quadrant	0			11FEB13	11FEB13	0	17	0.00	
1160	Complete Fabricate & test Inner TF/OH Coil Assy	0			20SEP13	20SEP13	0	17	0.00	
1210	NB Cap Installed	0			03JAN14	03JAN14	0	20	0.00	
1230	Lift In New Centerstack	0			10APR14	09APR14	1	13	0.00	



Data Date: 01DEC10
 Run Date: 15DEC10 12:28
 1012

**NSTX UPGRADES
 RESOURCE LOADED SCHEDULE
 CD-2 Schedule
 December 2010**

Sheet 1 of 74

- Early Bar
- Progress Bar
- Critical Activity

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	Year						
											FY11	FY12	FY13	FY14	FY15	FY16	
1330	Complete ISTEP.	0			24SEP14	24SEP14	0	4	0.00								
SD-3	RESUME OPERATIONS (Early Start)	0			30SEP14*	30SEP14*	0	0	0.00								
Level 3 Milestones																	
LEVEL 3																	
CD2	Submit CD2 Request	0			05NOV10*	24NOV10A	-13		0.00								
1030	Award Inner (TF) Conductor Material Contract	0			20DEC10	19JAN11	-16	41	0.00								
1019	NBI Final Design Peer Review	0			31MAR11*	31MAR11*	0	53	0.00								
1021	CS Final Design Peer Review	0				16MAY11*	0	2,328	0.00								
1035	Award Inner (TF) Conductor Machining contract	0			03MAY11	25MAY11	-16	41	0.00								
1037	Award TF Lead Extensions	0			11MAY11	11MAY11	0	17	0.00								
LRCD3	Lehman Review	0			05AUG11	25JUL11	9	126	0.00	100							
CD3	Submit CD3 Request	0			26AUG11	15AUG11	9	126	0.00								
1038	Award Friction Stir Weld Contract	0			03OCT11	03OCT11	0	17	0.00								
1060	Generate Center Stack (CS) Assembly Procedure	0			24OCT11	07OCT11*	11	454	0.00								
1025	Award CS PFC Tiles	0			13DEC11	13DEC11	0	174	0.00								
1050	Complete Machining Inner TF Conductors	0			05MAR12	05MAR12	0	17	0.00								
1051	Deliver TF Quadrant Mold	0			22MAR12	14FEB12	27	183	0.00								
1110	Award NB Rectangular Bellows Section	0			11JUN12	11JUN12	0	21	0.00								
1130	Award Contract Inner Poloidal Field (PF) Coils	0			11JUN12	11JUN12	0	127	0.00								
1052	Award CS Casing	0			22JUN12	22JUN12	0	148	0.00								
1090	Award Neutral Beam (NB) Vessel Cap	0			01OCT12	01OCT12	0	121	0.00								
1040	Award Ohmic Heating (OH) Conductor	0			01OCT12	01OCT12	0	83	0.00								
1080	Complete 1st TF inner quadrant	0			14NOV12	14NOV12	0	17	0.00								
1120	Complete Diagnostics Removals	0			03DEC12	03DEC12	0	208	0.00								
1100	OH Conductor Delivered	0			18JAN13	18JAN13	0	83	0.00								
1140	Lift Out Old Centerstack	0			21JAN13	21JAN13	0	235	0.00								
1240	Deliver Inner Inner PF Coils	0			22APR13	22APR13	0	113	0.00								
1190	Deliver NB Vessel Cap	0			24JUN13	24JUN13	0	121	0.00								
1220	Begin Field Coil Power Conversion DC Sys Cable I	0			30SEP13	30SEP13	0	13	0.00								
1170	Begin Final Assembly Of Centerstack	0			30SEP13	30SEP13	0	13	0.00								
1250	Beam Box Moved and Internals Installed	0			20JAN14	17JAN14	1	11	0.00								
1180	Deliver NB Rectangular Bellows Section	0			27JAN14	27JAN14	0	21	0.00								

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl						
											FY11	FY12	FY13	FY14	FY15	FY16
1310	Complete FCPC DC Systems Cable Installation	0			03FEB14	03FEB14	0	13	0.00							
1270	Begin Re-Installation Of Diagnostics	0			12FEB14	12FEB14	0	20	0.00							
1290	Reinstall New Pump Duct	0			12FEB14	12FEB14	0	91	0.00							
1200	Complete Final Assembly Of Centerstack	0			31MAR14	31MAR14	0	13	0.00							
1320	Re-Installation Of Diagnostics Complete	0			29MAY14	29MAY14	0	25	0.00							
1260	Install New Umbrella	0			04JUN14	03JUN14	1	13	0.00							
1300	Begin Machine Pump down	0			17JUN14	16JUN14	1	13	0.00							
1280	Complete Refurbishment Of Sources	0			01AUG14	01AUG14	0	20	0.00							

Job: 1000 - CSU Analytical Support-TITUS (LOE)

1000-0002	Maintain Global model with updated design concep	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A	0		0.00	100						
1000-0003	Maintain updated 96 Scenarios	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A	0		0.00	100						
1000-0004	Generic Tile Qualification Program	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A	0		0.00	100						
1000-0005	Maintain Disruption Scenarios	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A	0		0.00	100						
1000-0006	Develop List of in-service Inspection Areas	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A	0		0.00	100						
1000-0007	Dynamic Response to Normal Loads PF4/5/TF/TF OOP	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A	0		0.00	100						
1000-0008	Fault, FMEA evaluation and analyses	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A	0		0.00	100						
1000-0009	PDR Documentation	21	02JUN10A	02JUN10A	30JUN10A	30JUN10A	0		0.00	100						
1000-0011	Maintain Global model with updated design concep	237*	01JUL10A	01JUL10A	13JUN11	13JUN11	0	2	18,695.78	45		EA//EM =100 ;				
1000-0012	Maintain updated 96 Scenarios	203*	01JUL10A	01JUL10A	25APR11	25APR11	0	36	18,599.94	30		EA//EM =100 ;				
1000-0013	Generic Tile Qualification Program	162*	01JUL10A	01JUL10A	25FEB11	25FEB11	0	77	36,861.73	75		EA//EM =200 ;				
1000-0015	Develop List of in-service Inspection Areas(LOE)	203*	01JUL10A	01JUL10A	25APR11	25APR11	0	36	18,599.94	30		EA//EM =100 ;				
1000-0016	Dynamic Response to Normal Loads PF4/5/TF/TF OOP	162*	01JUL10A	01JUL10A	25FEB11	25FEB11	0	77	18,430.86	40		EA//EM =100 ;				
1000-0017	Fault, FMEA analyses (LOE)	162*	01JUL10A	01JUL10A	25FEB11	25FEB11	0	77	18,430.86	20		EA//EM =100 ;				
1000-0017A	CSU Analytical Support - Peer Review	0				16MAY11*	0	2,328	0.00							
1000-0018	FDR Prep/documentation	21	13MAY11	13MAY11	13JUN11	13JUN11	0	2	19,268.00			EA//EM =100 ;				
1000-0019	CONDUCT FDR	20	16MAY11	16MAY11	13JUN11*	13JUN11*	0	2	1,926.80			EA//EM =10 ;				
1000-0022	Title 3 Analysis Support	819	14JUN11	14JUN11	25SEP14	25SEP14	0	1,490	192,959.79			EA//EM =900 ;				
FY101000	FY10 Actual Cost	85*	04JAN10A	04JAN10A	30APR10A	30APR10A	0		33,760.00	100						
FY101000A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		6,931.00							

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Job: 1001 - CS Plasma Facing Components-TRESEMER																																														
Design																																														
1001-0021	NDA, Export Control Issues	146*	03MAY10A	03MAY10A	29NOV10	29OCT10A		19		7,256.97	100																																			
1001-0029	PDR Prep	36	03MAY10A	03MAY10A	22JUN10A	22JUN10A		0		0.00	100																																			
1001-0030	CONDUCT PDR	2	23JUN10A	23JUN10A	24JUN10A	24JUN10A		0		0.00	100																																			
1001-0031	Receipt of Material data	110*	23JUN10A	23JUN10A	29NOV10	29OCT10A		19		292.33	100																																			
1001-0031A	Processing of Material data	5	30NOV10	01NOV10A	06DEC10	05NOV10A		19		316.42	100																																			
1001-0032	Order Samples for testing (6 wks lead)	127*	23JUN10A	23JUN10A	23DEC10	22DEC10		1	61	19,435.21	50																																			
1001-0034	PDR chit resolution	60*	25JUN10A	25JUN10A	20SEP10A	20SEP10A		0		0.00	100																																			
1001-0035	Update WAF for Lehman Review (prep)	30	25JUN10A	25JUN10A	06AUG10A	06AUG10A		0		0.00	100																																			
1001-0036	Generic Tile Qualification Program	61*	25JUN10A	25JUN10A	21SEP10A	21SEP10A		0		0.00	100																																			
1001-0037	Lehman Review	2	10AUG10A	10AUG10A	11AUG10A	11AUG10A		0		0.00	100																																			
1001-0038A	Fastener Mock-up	77*	02SEP10A	02SEP10A	06DEC10	22DEC10		-12	2,425	45,622.41	90																																			
1001-0039	Disruption Forces - Final Tile Analysis	75*	12AUG10A	12AUG10A	29NOV10	29OCT10A		19		20,651.65	100																																			
1001-0040	Thermal system - Final Tile Analysis	52*	18OCT10*	18OCT10A	30NOV10	07JAN11		-22	224	26,630.60	40																																			
1001-0041	Fastener Scheme - Final Tile Analysis	44*	01DEC10	16DEC10*	19JAN11	23FEB11		-25	213	37,473.80																																				
1001-0043	Part re-design	20	20JAN11	24FEB11	16FEB11	23MAR11		-25	213	21,264.00																																				
1001-0044	Tile adjustments/Drawings	15	17FEB11	24MAR11	09MAR11	13APR11		-25	213	10,885.28																																				
1001-0045	Fastener Prototype	45*	16AUG10A	08FEB11*	11APR11	11APR11		0	215	48,489.24																																				
1001-0046	Testing	20	12APR11	12APR11	09MAY11	09MAY11		0	215	16,651.50																																				
1001-0048	Mechanical - Material Testing	20	03JAN11*	23DEC10*	28JAN11	27JAN11		1	61	20,132.30																																				
1001-0049	Thermal - Material Testing	15	03JAN11	23DEC10	21JAN11	20JAN11		1	61	12,999.70																																				
1001-0050	Review Data - Material Testing	10	24JAN11	21JAN11	04FEB11	03FEB11		1	61	6,328.40																																				
1001-0053	Make Material Choices	10	07FEB11	04FEB11	18FEB11	17FEB11		1	61	6,328.40																																				
1001-0054	Finalize Designs/Drawings	45	10MAY11	10MAY11	13JUL11	13JUL11		0	215	50,628.64																																				
1001-0055	Drawings (Assem/Installation)	478*	18OCT10*	01NOV10A	28SEP12	28SEP12		0	201	200,669.50	5																																			
1001-0056	Prep Procurement Specs	15	14JUL11	14JUL11	03AUG11	03AUG11		0	215	4,746.30																																				
1001-0056A	CS Plasma Facing Components Peer Review	0				16MAY11*		0	2,328	0.00																																				
1001-0057	FDR Prep	20	01JUN11*	13MAY11*	28JUN11	10JUN11		12	1	34,174.08																																				
1001-0058	CONDUCT FDR	2	29JUN11	13JUN11	30JUN11	14JUN11		12	1	7,612.80																																				

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											FY11	FY12	FY13	FY14	FY15	FY16								
Procure, Fab & Assembly																								
1001-0062	Prep Req & Proc Package - Tiles (CFC)	9	03OCT11*	03OCT11*	13OCT11	13OCT11		0	174	6,939.60														
1001-0063	Submit Req. to Procurement - Tiles (CFC)	2	14OCT11	14OCT11	17OCT11	17OCT11		0	174	693.96														
1001-0064	Bid & Award (Procurement Lead Time - Tiles (CFC)	40	18OCT11	18OCT11	14DEC11	14DEC11		0	174	5,551.68														
1001-0065	Award - Tiles (CFC)	1	14DEC11*	14DEC11*	14DEC11	14DEC11		0	174	0.00														
1001-0066	Fabricate and Deliver - CFC Material	160	15DEC11	15DEC11	06AUG12	06AUG12		0	174	432,818.40														
1001-0066B	Prep Req & Proc Package - Machine Tiles (CFC)	10	17MAY12	17MAY12	31MAY12	31MAY12		0	132	6,049.80														
1001-0066C	Submit Req. to Procurement - Machine Tiles (CFC)	2	31JUL12	31JUL12	01AUG12	01AUG12		0	136	693.96														
1001-0066D	Bid & Award (Proc Lead Time - Machine Tiles(CFC)	39	02AUG12	02AUG12	26SEP12	26SEP12		0	136	5,551.68														
1001-0066E	Award - Machine Tiles (CFC)	2	27SEP12	27SEP12	28SEP12	28SEP12		0	136	0.00														
1001-0066F	Fabricate/Machine tiles + diagnostics	85	01OCT12*	01OCT12*	07FEB13	07FEB13		0	136	321,316.90														
1001-0069	Tile Bakeout	40	08FEB13	08FEB13	04APR13	04APR13		0	136	66,000.00														
1001-0071	Prep Req & Proc Package - hardware, other materl	10	01JUN12*	01JUN12*	14JUN12	14JUN12		0	132	6,049.80														
1001-0072	Submit Req. to Procurement - hardware, other mat	2	15JUN12	15JUN12	18JUN12	18JUN12		0	132	693.96														
1001-0073	Procurement Lead Time - hardware, other material	40	19JUN12	19JUN12	14AUG12	14AUG12		0	132	5,551.68														
1001-0074	Award - hardware, other materials	1	15AUG12	15AUG12	15AUG12	15AUG12		0	132	0.00														
1001-0075	Fabricate and Deliver - hardware, other material	160	16AUG12	16AUG12	10APR13	10APR13		0	132	282,514.88														
1001-0078	Fab/Assembly Procedures	30	08JUL13	08JUL13	16AUG13	16AUG13		0	13	21,256.80														
1001-0079	Tile Assembly with Hardware	40	01OCT13*	01OCT13*	25NOV13	25NOV13		0	13	40,312.48														
1001-0082	Installation Procedure	30	19AUG13	19AUG13	30SEP13	30SEP13		0	13	21,256.80														
1001-0083	Tile Re-fit, as needed, additional machining	30	01OCT13*	01OCT13*	11NOV13	11NOV13		0	13	34,887.20														
FY09 Actual Cost																								
FY091001	FY09 Actual Cost	22	01JAN09A	01JAN09A	30SEP09A	30SEP09A		0		64,576.00	100													
FY10 Actual Cost																								
FY101001	FY10 Actual Cost	100*	01DEC09A	01DEC09A	30APR10A	30APR10A		0		103,885.00	100													
FY101001A	FY10 Actual Cost	130	01APR10A	01APR10A	30SEP10A	30SEP10A		0		99,233.32														
FY101110	FY10 Actual Cost	85	01OCT09A	01OCT09A	31JAN10A	31JAN10A		0		49,992.00														
Job: 1002 -Passive Plate Analysis &Upgrade-TITUS																								
1000-0014																								
1000-0014	Maintain Disruption Scenarios (xfer from 1000)	162*	01JUL10A	01JUL10A	25FEB11	25FEB11		0	77	18,430.86	40													
1002-0005	Check/Correct Vector Potential Solution	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A		0		0.00	100													
1002-0014	Disposition PDR Chits	144*	02JUN10A	02JUN10A	03JAN11	02DEC10A		16		14,288.68	100													
1002-0015	Check/Correct Vector Potential Solution	200*	02JUN10A	02JUN10A	22MAR11	29OCT10A		94		14,055.04	100													

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1002-0016	Run Disruption files based on lower background F	200*	02JUN10A	02JUN10A	22MAR11	29OCT10A	94		10,541.28	100	EA/EM =60 ;																																			
1002-0017	Add Halo Loads	200*	02JUN10A	02JUN10A	22MAR11	22MAR11	0	59	7,346.97	25	EA/EM =40 ;																																			
1002-0018	Complete Bolting and Bracket Evaluation	200*	02JUN10A	02JUN10A	22MAR11	22MAR11	0	59	3,673.49	30	EA/EM =20 ;																																			
1002-0019	Monitor fiberoptic Disruption Instrumentation	200*	02JUN10A	02JUN10A	22MAR11	02DEC10A	72		7,144.34	100	EA/EM =40 ;																																			
1002-0020	Fatigue Assessment	200*	02JUN10A	02JUN10A	22MAR11	22MAR11	0	59	7,346.97	20	EA/EM =40 ;																																			
1002-0021	Input to the DCPS	200*	02JUN10A	02JUN10A	22MAR11	29OCT10A	94		7,027.52	100	EA/EM =40 ;																																			
1002-0025	Procure 100 718 bolts	200*	02JUN10A	02JUN10A	22MAR11	22MAR11	0	59	4,899.49	10	EA/EM =20 ; 41=1,000 ;																																			
1002-0029	Bracket re-work, in-house	200*	02JUN10A	02JUN10A	22MAR11	22MAR11	0	59	3,673.49	10	EA/EM =20 ;																																			
1002-0030	Drawing Update (As Builts)	200*	02JUN10A	02JUN10A	22MAR11	22MAR11	0	59	7,346.97	50	EA/EM =40 ;																																			
1002-0099	PP analysis complete for FDR	1	23MAR11*	23MAR11*	23MAR11	23MAR11	0	59	0.00																																					
FY101002	FY10 Actual Cost	105	04JAN10A	04JAN10A	28MAY10A	28MAY10A	0		84,302.00	100																																				
FY101002A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		59,078.00																																					

Job: 1200 - Vacuum Vsl & Struct Support-SMITH

FY091210	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		571,717.00	100																														
FY101200	FY10 Actual Cost	100	01DEC09A	01DEC09A	30APR10A	30APR10A	0		370,213.00	100																														
FY101200A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		360,410.00																															
FY101210	FY10 Actual Cost	150	01OCT09A	01OCT09A	28MAY10A	28MAY10A	0		207,020.00																															

Job: 1201 - Outer TF Structures-SMITH

1201-0009	Dsgn Eng/CAD Models: Iteration, Optimizatin, Updt	30	03MAY10A	03MAY10A	14JUN10A	14JUN10A	0		0.00	100																														
1201-0010	Complete Preliminary CAD Models	10	09JUN10A	09JUN10A	22JUN10A	22JUN10A	0		0.00	100																														
1201-0011	Mockups:outer link, real estate issues(# of it 4	66	03MAY10A	03MAY10A	04AUG10A	04AUG10A	0		0.00	100																														
1201-0013	ME Analysis/CAD Model Iterations-Strrs/EM/Therml	32	03MAY10A	03MAY10A	16JUN10A	16JUN10A	0		0.00	100																														
1201-0014	Analysis of Preliminary Design Approved	1	16JUN10A	16JUN10A	16JUN10A	16JUN10A	0		0.00	100																														
1201-0016	PDR	1	24JUN10A	24JUN10A	24JUN10A	24JUN10A	0		0.00	100																														
1201-0018	Dsgn Eng & CAD Models: Iterations, Optim & Updat	61*	24JUN10A	24JUN10A	16AUG10A	16AUG10A	0		0.00	100																														
1201-0021	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A	11AUG10A	0		0.00	100																														
1201-0024	PDR CAD model Compld-Outr supp ring/clamp/sprng	1	16AUG10A	16AUG10A	16AUG10A	16AUG10A	0		0.00	100																														
1201-0028	Det Dsgn Eng, CAD/Analysis Iterations(34mod)	127*	17SEP10A	17AUG10A	18FEB11	22FEB11	-2	10	29,510.63	85	EM//EM =31 ; EA/SB =202 ;																													
1201-0029	Update Design Drawings	1	24JUN10A	24JUN10A	16AUG10A	16AUG10A	0		0.00	100																														
1201-0030	Design Drawings (13dw)	35	21FEB11	23FEB11	06MAY11	12APR11	18	10	14,572.74		EM//EM =10 ; EA/SB =104 ;																													

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY						
											FY11	FY12	FY13	FY14	FY15	FY16	
1201-0031	Final Design Analysis	135	01OCT10	24SEP10A	21FEB11	22MAR11	-21	25	90,090.62	50	EA//EM =404 ;EM//EM=80						
1201-0031B	N/A Analysis: Ring, Bracket, Spring Link	57*	16AUG10A	16AUG10A	16AUG10A	16AUG10A	0		0.00	100							
1201-0031C	N/A Analysis:Keep Clevis Bracket Load Stress Upd	63*	16AUG10A	16AUG10A	16AUG10A	16AUG10A	0		0.00	100							
1201-0031D	N/A OTF Analysis: Fatigue Assesment	63*	16AUG10A	16AUG10A	16AUG10A	16AUG10A	0		0.00	100							
1201-0031E	N/A Analysis: Write, Check, File Calculations	63*	16AUG10A	16AUG10A	16AUG10A	16AUG10A	0		0.00	100							
1201-0031F	N/A Analysis: DCOS Input	63*	16AUG10A	16AUG10A	16AUG10A	16AUG10A	0		0.00	100							
1201-0031G	N/A Analysis: Insul Bond Shear/Copper Stress/CC	63*		16AUG10A		16AUG10A	0		0.00	100							
1201-0032	Validation of Design Complete	10	09MAY11	13APR11	20MAY11	26APR11	18	10	5,780.40		EA//EM =30						
1201-0033	Update CAD Models per Validation	10	23MAY11	27APR11	06JUN11	10MAY11	18	10	4,246.94		EA//SB =34 ;						
1201-0034	Revise Fabrication & Assembly Drawings per Valid	10	07JUN11	11MAY11	20JUN11	24MAY11	18	10	6,495.32		EA//SB =52 ;						
1201-0035	Review, Check Drawings	4	21JUN11	25MAY11	27JUN11	31MAY11	19	10	7,361.12		EM//EM =26 ; EA//SB =26 ;						
1201-0036	Drawings ready for FDR	1	28JUN11	01JUN11	28JUN11	01JUN11	19	10	0.00								
1201-0038	FDR	1	29JUN11	01JUN11	29JUN11*	01JUN11*	20	10	0.00								
1201-0042	Prep Req & Procurement Package	10	01JUN12*	01JUN12*	14JUN12	14JUN12	0	85	5,551.68		EM//EM =32 ;						
1201-0043	Submit Req to Procurement	1	14JUN12	14JUN12	14JUN12	14JUN12	0	85	0.00								
1201-0044	Procurement Processing	22	14JUN12	14JUN12	16JUL12	16JUL12	0	85	0.00								
1201-0045	Submit for Vendor Quotes	1	17JUL12	17JUL12	17JUL12	17JUL12	0	85	0.00								
1201-0046	Eval Quotes	43	17JUL12	17JUL12	14SEP12	14SEP12	0	85	1,387.92		EM//EM =08 ;						
1201-0047	Tech Eval of Vendors	43	17JUL12	17JUL12	14SEP12	14SEP12	0	85	2,775.84		EM//EM =16 ;						
1201-0048	Award / Order Approved	1	17SEP12	17SEP12	17SEP12	17SEP12	0	85	0.00								
1201-0048A	Fabricate Components - Outer TF Structure	100	18SEP12	18SEP12	15FEB13	15FEB13	0	85	509,784.56		41=386,992 ;						
1201-0049	Vendor Oversight	100	18SEP12	18SEP12	15FEB13	15FEB13	0	85	7,072.46		EM//EM =40 ;						
1201-0050	Receipt of Hardware	4	18FEB13	18FEB13	21FEB13	21FEB13	0	85	0.00								
1201-0051	QA Inspection	10	22FEB13	22FEB13	07MAR13	07MAR13	0	95	6,926.10		EM//EM =9 ; EM//ST =48 ;						
1201-0052	Resolve Procurement Issues	5	18FEB13	18FEB13	22FEB13	22FEB13	0	85	354.28		EM//EM =02 ;						
1201-0053	Documentation: Assembly Procedures	15	18FEB13	18FEB13	08MAR13	08MAR13	0	94	4,810.80		EM//EM =24 ; EA//SB =04 ;						
1201-0054	Assembly of Components	20	25FEB13	25FEB13	22MAR13	22MAR13	0	85	9,594.96		EM//EM =04 ; EM//ST =80 ;						
1201-0055	Outer TF Structure Parts ready for installation	1	22MAR13	22MAR13	22MAR13	22MAR13	0	85	0.00								
1201-0056	Handling / Warehouse / Storage	50	22MAR13	22MAR13	31MAY13	31MAY13	0	1,818	10,663.68		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		0.00	100							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY						
											FY11	FY12	FY13	FY14	FY15	FY16	
1202-0009	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	30	03MAY10A	03MAY10A	14JUN10A	14JUN10A	0		0.00	100							
1202-0010	Complete Preliminary CAD Models	10	09JUN10A	09JUN10A	22JUN10A	22JUN10A	0		0.00	100							
1202-0013	ME Analysis/CAD Model Iterations-Strrs/EM/Therml	32	03MAY10A	03MAY10A	16JUN10A	16JUN10A	0		0.00	100							
1202-0014	Analysis of Preliminary Design Approved	1	16JUN10A	16JUN10A	16JUN10A	16JUN10A	0		0.00	100							
1202-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A	0		0.00	100							
1202-0021	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A	11AUG10A	0		0.00	100							
1202-0028	Update CAD & Design Drawings(10mod/4dwgs)	113*	16AUG10A	16AUG10A	01FEB11	01FEB11	0	3	8,487.17	90	EM//EM =06 ; EA//SB =62 ;						
1202-0030	N/A Dsgn Drawing Ready for Checking & Validation	1	16AUG10A	16AUG10A	16AUG10A	16AUG10A	0		0.00	100							
1202-0031	Validate Analysis: Stress, EM, Thermal	130	24JUN10A	24JUN10A	31AUG10A	31AUG10A	0		0.00								
1202-0032	Analysis & Validation of Design Complete	139*	02FEB11	04OCT10A	26APR11	26APR11	0	3	4,874.14	40	EA//SB =02 ; EA//EM =24 ;						
1202-0033	Update CAD Models per Validation	10	27APR11	27APR11	10MAY11	10MAY11	0	3	1,249.10		EA//SB =10 ;						
1202-0034	Revise Fabrication & Assembly Drawings per Valid	10	11MAY11	11MAY11	24MAY11	24MAY11	0	3	1,998.56		EA//SB =16 ;						
1202-0035	Review, Check Drawings	10	25MAY11	25MAY11	08JUN11	08JUN11	0	3	2,897.80		EM//EM =12 ; EA//SB =08 ;						
1202-0036	Drawings ready for FDR	1	09JUN11	09JUN11	09JUN11	09JUN11	0	3	0.00								
1202-0038	FDR	1	10JUN11	10JUN11	10JUN11*	10JUN11*	0	3	0.00								
1202-0042	Prep Req & Procurement Package	5	01MAR12*	01MAR12*	07MAR12	07MAR12	0	53	2,081.88		EM//EM =12 ;						
1202-0043	Submit Req to Procurement	1	07MAR12	07MAR12	07MAR12	07MAR12	0	53	0.00								
1202-0044	Procurement Processing	22	07MAR12	07MAR12	05APR12	05APR12	0	53	0.00								
1202-0045	Submit for Vendor Quotes	1	06APR12	06APR12	06APR12	06APR12	0	53	0.00								
1202-0046	Eval Quotes	43	06APR12	06APR12	06JUN12	06JUN12	0	53	173.49		EM//EM =1 ;						
1202-0048	Award / Order Approved	1	07JUN12	07JUN12	07JUN12	07JUN12	0	53	0.00								
1202-0049	Vendor Oversight	100	08JUN12	08JUN12	29OCT12	29OCT12	0	53	174.26		EM//EM =1 ;						
1202-0050	Receipt of Hardware	1	30OCT12	30OCT12	30OCT12	30OCT12	0	53	17,826.60		41=13,505 ;						
1202-0051	QA Inspection	10	30OCT12	30OCT12	12NOV12	12NOV12	0	54	399.30		EM//EM =1 ; EM//ST =2 ;						
1202-0052	Resolve Procurement Issues	5	13NOV12	13NOV12	19NOV12	19NOV12	0	54	177.14		EM//EM =1						
1202-0055	Parts ready for installation	1	21NOV12	21NOV12	21NOV12	21NOV12	0	53	0.00								
1202-0056	Handling / Warehouse / Storage	16	31OCT12	31OCT12	21NOV12	21NOV12	0	53	111.08		em//st=1						
Job: 1203 - PF3 Support.-SMITH																	
1203-0013	ME Analysis/CAD Model Iterations-Strrs/EM/Therml	32	03MAY10A	03MAY10A	16JUN10A	16JUN10A	0		0.00	100							
1203-0014	Analysis of Preliminary Design Approved	1	16JUN10A	16JUN10A	16JUN10A	16JUN10A	0		0.00	100							
1203-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A	0		0.00	100							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	FY16
1203-0021	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A	11AUG10A	0		0.00	100						
1203-0029	Update CAD & Design Drawings (2mod/2dwgs)	115*	17AUG10A	17AUG10A	04FEB11	04FEB11	0	3	3,456.74	90	EM//EM =05 ; EA//SB =22 ;					
1203-0030	N/A Dsg Drawings Ready for Checking & Validation	1	16AUG10A	16AUG10A	16AUG10A	16AUG10A	0		0.00	100						
1203-0032	Analysis & Validation of Design Complete	139*	07FEB11	04OCT10A	29APR11	26APR11	3	3	4,874.14	40	EA//SB =02 ; EA//EM =24 ;					
1203-0033	Update CAD Models per Validation	10	02MAY11	27APR11	13MAY11	10MAY11	3	3	249.82		EA//SB =02 ;					
1203-0034	Revise Fabrication & Assembly Drawings per Valid	10	16MAY11	11MAY11	27MAY11	24MAY11	3	3	999.28		EA//SB =08 ;					
1203-0035	Review, Check Drawings	10	31MAY11	25MAY11	13JUN11	08JUN11	3	3	1,448.90		EM//EM =06 ; EA//SB =04 ;					
1203-0036	Drawings ready for FDR	1	14JUN11	09JUN11	14JUN11	09JUN11	3	3	0.00							
1203-0038	FDR	1	15JUN11*	10JUN11*	15JUN11	10JUN11	3	3	0.00							
1203-0042	Prep Req & Procurement Package:inconel Bolts	5	03OCT11*	03OCT11*	07OCT11	07OCT11	0	172	2,081.88		EM//EM =12 ;					
1203-0043	Submit Req to Procurement	1	07OCT11	07OCT11	07OCT11	07OCT11	0	172	0.00							
1203-0044	Procurement Processing	22	07OCT11	07OCT11	07NOV11	07NOV11	0	172	0.00							
1203-0045	Submit for Vendor Quotes	1	08NOV11	08NOV11	08NOV11	08NOV11	0	172	0.00							
1203-0046	Eval Quotes	43	08NOV11	08NOV11	17JAN12	17JAN12	0	172	173.49		em//em=1					
1203-0048	Award / Order Approved	1	18JAN12	18JAN12	18JAN12	18JAN12	0	172	0.00							
1203-0049	Vendor Oversight	100	19JAN12	19JAN12	07JUN12	07JUN12	0	172	173.49		em//em=1					
1203-0050	Receipt of Hardware	5	08JUN12	08JUN12	14JUN12	14JUN12	0	172	6,811.20		41=5,280 ;					
1203-0051	QA Inspection	10	15JUN12	15JUN12	28JUN12	28JUN12	0	172	1,129.12		EM//EM =04 ; EM//ST =04 ;					
1203-0055	Parts ready for installation	1	29JUN12	29JUN12	29JUN12	29JUN12	0	172	0.00							
1203-0056	Handling / Warehouse / Storage	1	29JUN12	29JUN12	29JUN12	29JUN12	0	172	108.79		em//st=1					

Job: 1204 - PF4/5 Leads & Radial Supports-SMITH

1204-0009	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	10	18MAY10A	18MAY10A	01JUN10A	01JUN10A	0		0.00	100						
1204-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	24	19MAY10A	19MAY10A	22JUN10A	22JUN10A	0		0.00	100						
1204-0014	Analysis of Preliminary Design Approved	1	22JUN10A	22JUN10A	22JUN10A	22JUN10A	0		0.00	100						
1204-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A	0		0.00	100						
1204-0021	DOE CD-2 (Lehman) Review	1	10AUG10A	10AUG10A	10AUG10A	10AUG10A	0		0.00	100						
1204-0028	Update CAD & Design Drawings(2mod/2dwg)	132*	17AUG10A	17AUG10A	04FEB11	01MAR11	-17	1	3,621.75	75	EM//EM =06 ; EA//SB =22 ;					
1204-0030	N/A Dsg Drawings Ready for Checking & Validation	1	16AUG10A	16AUG10A	16AUG10A	16AUG10A	0		0.00	100						
1204-0032	Analysis & Validation of Design Complete	126*	07FEB11	04OCT10A	01APR11	07APR11	-4	1	4,624.32	60	EA//EM =24 ;					
1204-0033	Update CAD Models per Validation	15	04APR11	08APR11	22APR11	28APR11	-4	1	249.82		EA//SB =2 ;					
1204-0034	Revise Fabrication & Assembly Drawings per Valid	15	25APR11	29APR11	13MAY11	19MAY11	-4	1	999.28		EA//SB =8 ;					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	Fiscal Year					
											FY11	FY12	FY13	FY14	FY15	FY16
1204-0035	Review, Check Drawings	15	16MAY11	20MAY11	06JUN11	10JUN11	-4	1	1,290.69							
1204-0036	Drawings ready for FDR	1	07JUN11	13JUN11	07JUN11	13JUN11	-4	1	0.00							
1204-0038	FDR	1	08JUN11*	14JUN11*	08JUN11	14JUN11	-4	1	0.00							
1204-0039	NOTE: Only visco mtl (shim) rqrd. incl in 1208	0	16JAN13	16JAN13	15JAN13	15JAN13		53	0.00							

Job: 1205 - Umbrella-SMITH

Lower Umbrella

1205-0008	Input F/Analysis Group:Interface Detail to CS	1	01JUN10A	01JUN10A	01JUN10A	01JUN10A		0	0.00	100					
1205-0009	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	30	03MAY10A	03MAY10A	14JUN10A	14JUN10A		0	0.00	100					
1205-0010	Complete Preliminary CAD Models	10	09JUN10A	09JUN10A	22JUN10A	22JUN10A		0	0.00	100					
1205-0011	Mockups:CS Struct Real Estate Issues	66	03MAY10A	03MAY10A	04AUG10A	04AUG10A		0	0.00	100					
1205-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	32	03MAY10A	03MAY10A	16JUN10A	16JUN10A		0	0.00	100					
1205-0014	Analysis of Preliminary Design Approved	1	16JUN10A	16JUN10A	16JUN10A	16JUN10A		0	0.00	100					
1205-0016	PDR	1	24JUN10A	24JUN10A	24JUN10A	24JUN10A		0	0.00	100					
1205-0018	Dsgn Eng & CAD Models: Iterations, Optim & Updat	38	24JUN10A	24JUN10A	17AUG10A	17AUG10A		0	0.00	100					
1205-0021	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A	11AUG10A		0	0.00	100					
1205-0024	PDR CAD model Compld-Outr supp ring/clamp/sprng	1	18AUG10A	18AUG10A	18AUG10A	18AUG10A		0	0.00	100					
1205-0028	Det Dsgn Eng, CAD/Analysis Iterations(15mod)	127*	03SEP10A	17AUG10A	18FEB11	22FEB11	-2	9	23,941.04	65					
1205-0029	Final design Analysis	128*	03SEP10A	16AUG10A	18FEB11	22FEB11	-2	9	46,032.86	40					
1205-0030	Design Drawings (11dwgs)	35	21FEB11	23FEB11	12APR11	12APR11		9	12,257.76						
1205-0032	Validation of Design Complete	10	13APR11	13APR11	26APR11	26APR11		9	2,890.20						
1205-0033	Update CAD Models per Validation	10	27APR11	27APR11	10MAY11	10MAY11		9	1,873.65						
1205-0034	Revise Fabrication & Assembly Drawings per Valid	10	11MAY11	11MAY11	24MAY11	24MAY11		9	5,496.04						
1205-0035	Review, Check Drawings	4	25MAY11	25MAY11	01JUN11	31MAY11		9	7,494.32						
1205-0036	Drawings ready for FDR	1	02JUN11	01JUN11	02JUN11	01JUN11		9	0.00						
1205-0038	FDR	1	03JUN11*	15JUN11*	03JUN11	15JUN11	-8	0	0.00						
1205-0042	Prep Req & Procurement Package	10	01AUG12*	01AUG12*	14AUG12	14AUG12		57	6,939.60						
1205-0043	Submit Req to Procurement	1	14AUG12	14AUG12	14AUG12	14AUG12		57	0.00						
1205-0044	Procurement Processing	22	14AUG12	14AUG12	13SEP12	13SEP12		57	0.00						
1205-0045	Submit for Vendor Quotes	1	14SEP12	14SEP12	14SEP12	14SEP12		57	0.00						
1205-0046	Eval Quotes	43	14SEP12	14SEP12	13NOV12	13NOV12		57	1,409.65						
1205-0047	Tech Eval of Vendors	43	14SEP12	14SEP12	13NOV12	13NOV12		57	1,409.65						
1205-0048	Award / Order Approved	1	14NOV12	14NOV12	14NOV12	14NOV12		57	0.00						

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY11 FY12 FY13 FY14 FY15 FY16										
											FY11	FY12	FY13	FY14	FY15	FY16					
1205-0049	Fab & Deliver incl Vendor Oversight	102	15NOV12	15NOV12	18APR13	18APR13	0	57	188,224.04												
1205-0050	Receipt of Hardware	4	19APR13	19APR13	24APR13	24APR13	0	57	0.00												
1205-0051	QA Inspection	10	25APR13	25APR13	08MAY13	08MAY13	0	57	7,457.52												
1205-0052	Resolve Procurement Issues	5	09MAY13	09MAY13	15MAY13	15MAY13	0	57	354.28												
1205-0053	Documentation: Assembly Procedures	10	16MAY13	16MAY13	30MAY13	30MAY13	0	57	3,393.68												
1205-0054	Assembly of Components	15	31MAY13	31MAY13	20JUN13	20JUN13	0	57	4,263.12												
1205-0055	Parts ready for installation	1	21JUN13	21JUN13	21JUN13	21JUN13	0	57	0.00												
1205-0056	Handling / Warehouse / Storage	3	24JUN13	24JUN13	26JUN13	26JUN13	0	195	888.64												
Upper Umbrella																					
1205-0066	Input F/Analysis Group:Interface Detail to CS	1	01JUN10A	01JUN10A	01JUN10A	01JUN10A	0		0.00	100											
1205-0067	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	30	03MAY10A	03MAY10A	14JUN10A	14JUN10A	0		0.00	100											
1205-0068	Complete Preliminary CAD Models	10	09JUN10A	09JUN10A	22JUN10A	22JUN10A	0		0.00	100											
1205-0069	Mockups:CS Struct Real Estate Issues	66	03MAY10A	03MAY10A	04AUG10A	04AUG10A	0		0.00	100											
1205-0071	ME Analysis/CAD Model Iterations-Strss/EM/Therml	32	03MAY10A	03MAY10A	16JUN10A	16JUN10A	0		0.00	100											
1205-0072	Analysis of Preliminary Design Approved	1	16JUN10A	16JUN10A	16JUN10A	16JUN10A	0		0.00	100											
1205-0074	PDR	1	24JUN10A	24JUN10A	24JUN10A	24JUN10A	0		0.00	100											
1205-0076	Dsgn Eng & CAD Models: Iterations, Optim & Updat	38	24JUN10A	24JUN10A	17AUG10A	17AUG10A	0		0.00	100											
1205-0079	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A	11AUG10A	0		0.00	100											
1205-0081	PDR CAD model Compld-Outr suppring/clamp/sprng	1	18AUG10A	18AUG10A	18AUG10A	18AUG10A	0		0.00	100											
1205-0086	Final Dsgn Eng Iterations, DetailCAD (15mod)	127*	03SEP10A	17AUG10A	04FEB11	22FEB11	-12	9	18,387.53	65											
1205-0087	Final Design Analysis	127*	03SEP10A	17AUG10A	04FEB11	22FEB11	-12	9	46,062.47	40											
1205-0088	Design Drawings (11dwgs)	35	07FEB11	23FEB11	22APR11	12APR11	8	9	12,257.76												
1205-0090	Validation of Design Complete	10	25APR11	13APR11	06MAY11	26APR11	8	9	2,890.20												
1205-0091	Update CAD Models per Validation	10	09MAY11	27APR11	20MAY11	10MAY11	8	9	1,873.65												
1205-0092	Revise Fabrication & Assembly Drawings per Valid	10	23MAY11	11MAY11	06JUN11	24MAY11	8	9	5,496.04												
1205-0093	Review, Check Drawings	4	07JUN11	25MAY11	13JUN11	31MAY11	9	9	7,494.32												
1205-0094	Drawings ready for FDR	1	14JUN11	01JUN11	14JUN11	01JUN11	9	9	0.00												
1205-0096	FDR	1	15JUN11*	15JUN11*	15JUN11	15JUN11	0	0	0.00												
1205-0100	Prep Req & Procurement Package	10	01NOV12*	01NOV12*	14NOV12	14NOV12	0	90	7,085.60												
1205-0101	Submit Req to Procurement	1	14NOV12	14NOV12	14NOV12	14NOV12	0	90	0.00												
1205-0102	Procurement Processing	22	14NOV12	14NOV12	17DEC12	17DEC12	0	90	0.00												

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	FY16
1205-0103	Submit for Vendor Quotes	1	18DEC12	18DEC12	18DEC12	18DEC12	0	90	0.00							
1205-0104	Eval Quotes	43	18DEC12	18DEC12	25FEB13	25FEB13	0	90	1,417.12							
1205-0105	Tech Eval of Vendors	43	18DEC12	18DEC12	25FEB13	25FEB13	0	90	1,417.12							
1205-0106	Award / Order Approved	1	26FEB13	26FEB13	26FEB13	26FEB13	0	90	0.00							
1205-0107	Vendor Oversight	102	27FEB13	27FEB13	23JUL13	23JUL13	0	90	7,085.60							
1205-0108	Receipt of Hardware	5	24JUL13	24JUL13	30JUL13	30JUL13	0	90	186,452.64							
1205-0109	QA Inspection	10	31JUL13	31JUL13	13AUG13	13AUG13	0	90	7,457.52							
1205-0110	Resolve Procurement Issues	5	14AUG13	14AUG13	20AUG13	20AUG13	0	90	354.28							
1205-0111	Documentation: Assembly Procedures	10	21AUG13	21AUG13	04SEP13	04SEP13	0	90	3,393.68							
1205-0112	Assembly of Components	15	05SEP13	05SEP13	25SEP13	25SEP13	0	90	4,263.12							
1205-0113	Parts ready for installation	1	26SEP13	26SEP13	26SEP13	26SEP13	0	90	0.00							
1205-0114	Handling / Warehouse / Storage	3	27SEP13	27SEP13	01OCT13	01OCT13	0	133	898.67							

Job: 1206 - Pedestal -SMITH

1206-0008	Input F/Analysis Group:Interface Detail to CS	1	01JUN10A	01JUN10A	01JUN10A	01JUN10A	0		0.00	100						
1206-0009	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updat	10	18MAY10A	18MAY10A	01JUN10A	01JUN10A	0		0.00	100						
1206-0010	Complete Preliminary CAD Models	10	01JUN10A	01JUN10A	14JUN10A	14JUN10A	0		0.00	100						
1206-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	24	19MAY10A	19MAY10A	22JUN10A	22JUN10A	0		0.00	100						
1206-0014	Analysis of Preliminary Design Approved	1	22JUN10A	22JUN10A	22JUN10A	22JUN10A	0		0.00	100						
1206-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A	0		0.00	100						
1206-0018	Dsgn Eng & CAD Models: Iterations, Optim & Updat	38	24JUN10A	24JUN10A	17AUG10A	17AUG10A	0		0.00	100						
1206-0021	DOE CD-2 (Lehman) Review	1	10AUG10A	10AUG10A	10AUG10A	10AUG10A	0		0.00	100						
1206-0023	PDR CAD model Compld-Outr suppring/clamp/sprng	1	18AUG10A	18AUG10A	18AUG10A	18AUG10A	0		0.00	100						
1206-0028	Final Dsgn Eng Iteration, Detl CAD Model (19mod)	134*	17AUG10A	17AUG10A	04MAR11	03MAR11	1	1	15,440.00	65						
1206-0029	Final Design Analysis	134*	17AUG10A	17AUG10A	04MAR11	03MAR11	1	1	17,435.99	30						
1206-0030	Design Drawings (8dwdg)	35	07MAR11	04MAR11	22APR11	21APR11	1	1	8,943.50							
1206-0032	Validation of Design Complete	10	25APR11	22APR11	06MAY11	05MAY11	1	1	5,780.40							
1206-0033	Update CAD Models per Validation	10	09MAY11	06MAY11	20MAY11	19MAY11	1	1	2,373.29							
1206-0034	Revise Fabrication & Assembly Drawings per Valid	10	23MAY11	20MAY11	06JUN11	03JUN11	1	1	3,997.12							
1206-0035	Review, Check, Drawings	5	07JUN11	06JUN11	13JUN11	10JUN11	1	1	5,320.97							
1206-0036	Drawings ready for FDR	1	14JUN11	13JUN11	14JUN11	13JUN11	1	1	0.00							
1206-0038	FDR	1	15JUN11*	15JUN11*	15JUN11	15JUN11	0	0	0.00							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	FY					
											FY11	FY12	FY13	FY14	FY15	FY16
1206-0042	Prep Req & Procurement Package	10	02JAN13*	02JAN13*	15JAN13	15JAN13	0	76	5,668.48							
1206-0043	Submit Req to Procurement	1	15JAN13	15JAN13	15JAN13	15JAN13	0	76	0.00							
1206-0044	Procurement Processing	22	15JAN13	15JAN13	13FEB13	13FEB13	0	76	0.00							
1206-0045	Submit for Vendor Quotes	1	14FEB13	14FEB13	14FEB13	14FEB13	0	76	0.00							
1206-0046	Eval Quotes	43	14FEB13	14FEB13	15APR13	15APR13	0	76	1,417.12							
1206-0047	Tech Eval of Vendors	43	14FEB13	14FEB13	15APR13	15APR13	0	76	1,417.12							
1206-0048	Award / Order Approved	1	16APR13	16APR13	16APR13	16APR13	0	76	0.00							
1206-0049	Vendor Oversight	102	17APR13	17APR13	11SEP13	11SEP13	0	76	1,417.12							
1206-0050	Receipt of Hardware	5	12SEP13	12SEP13	18SEP13	18SEP13	0	76	62,990.40							
1206-0051	QA Inspection	10	19SEP13	19SEP13	02OCT13	02OCT13	0	76	2,502.67							
1206-0052	Resolve Procurement Issues	5	03OCT13	03OCT13	09OCT13	09OCT13	0	76	366.28							
1206-0053	Documentation: Assembly Procedures	15	10OCT13	10OCT13	30OCT13	30OCT13	0	76	6,438.88							
1206-0054	Assembly of Components	20	31OCT13	31OCT13	27NOV13	27NOV13	0	76	9,919.76							
1206-0055	Parts ready for installation	1	02DEC13	02DEC13	02DEC13	02DEC13	0	76	0.00							
1206-0057	Handling / Warehouse / Storage	5	03DEC13	03DEC13	09DEC13	09DEC13	0	76	1,378.08							

Job: 1207 - Vessel Legs -SMITH

1207-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	24	19MAY10A	19MAY10A	22JUN10A	22JUN10A	0		0.00	100						
1207-0014	Analysis of Preliminary Design Approved	1	22JUN10A	22JUN10A	22JUN10A	22JUN10A	0		0.00	100						
1207-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A	0		0.00	100						
1207-0021	DOE CD-2 (Lehman) Review	1	10AUG10A	10AUG10A	10AUG10A	10AUG10A	0		0.00	100						
1207-0028	Updt CAD & Dsgn Dwgs, (3 CAD/2dwg)	132*	17AUG10A	17AUG10A	04FEB11	01MAR11	-17	4	4,143.71	70						
1207-0030	N/A Dsgn Drawing Ready for Checking & Validation	1	16AUG10A	16AUG10A	16AUG10A	16AUG10A	0		0.00	100						
1207-0032	Analysis & Validation of Design Complete	138*	07FEB11	04OCT10A	29APR11	25APR11	4	4	1,541.44	50						
1207-0033	Update CAD Models per Validation	10	02MAY11	26APR11	13MAY11	09MAY11	4	4	374.73							
1207-0034	Revise Fabrication & Assembly Drawings per Valid	10	16MAY11	10MAY11	27MAY11	23MAY11	4	4	999.28							
1207-0035	Review, Check Drawings	10	31MAY11	24MAY11	13JUN11	07JUN11	4	4	1,448.90							
1207-0036	Drawings ready for FDR	1	14JUN11	08JUN11	14JUN11	08JUN11	4	4	0.00							
1207-0038	FDR	1	15JUN11*	15JUN11*	15JUN11	15JUN11	0	0	0.00							
1207-0042	Prep Req & Procurement Package	3	01FEB13*	01FEB13*	05FEB13	05FEB13	0	132	3,188.52							
1207-0043	Submit Req to Procurement	1	05FEB13	05FEB13	05FEB13	05FEB13	0	132	0.00							
1207-0044	Procurement Processing	22	05FEB13	05FEB13	06MAR13	06MAR13	0	132	0.00							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	FY16
1207-0045	Submit for Vendor Quotes	1	07MAR13	07MAR13	07MAR13	07MAR13	0	132	0.00							
1207-0046	Eval Quotes	43	07MAR13	07MAR13	06MAY13	06MAY13	0	132	177.14							
1207-0048	Award / Order Approved	1	07MAY13	07MAY13	07MAY13	07MAY13	0	132	0.00							
1207-0050	Receipt of Hardware	60	08MAY13	08MAY13	02AUG13	02AUG13	0	132	5,095.20							
1207-0051	QA Inspection	15	05AUG13	05AUG13	23AUG13	23AUG13	0	132	177.14							
1207-0052	Resolve Procurement Issues	20	26AUG13	26AUG13	23SEP13	23SEP13	0	132	0.00							
1207-0055	Parts ready for installation	1	24SEP13	24SEP13	24SEP13	24SEP13	0	132	0.00							
1207-0056	Handling warehouse storage	1	25SEP13	25SEP13	25SEP13	25SEP13	0	132	111.08							

Job: 1208 - PF4&5 Verticle Support-SMITH

1208-0009	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	20	03MAY10A	03MAY10A	28MAY10A	28MAY10A	0		0.00	100						
1208-0010	Complete Preliminary CAD Models	5	02JUN10A	02JUN10A	08JUN10A	08JUN10A	0		0.00	100						
1208-0011	Mockups:PF4/5 Vert Supp Struct Real Estate Issue	66	03MAY10A	03MAY10A	04AUG10A	04AUG10A	0		0.00	100						
1208-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	24	19MAY10A	19MAY10A	22JUN10A	22JUN10A	0		0.00	100						
1208-0014	Analysis of Preliminary Design Approved	1	22JUN10A	22JUN10A	22JUN10A	22JUN10A	0		0.00	100						
1208-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A	0		0.00	100						
1208-0018	Dsgn Eng & CAD Models: Iterations, Optim & Updat	38	24JUN10A	24JUN10A	17AUG10A	17AUG10A	0		0.00	100						
1208-0021	DOE CD-2 (Lehman) Review	1	18AUG10A	18AUG10A	18AUG10A	18AUG10A	0		0.00	100						
1208-0028	Det Dsgn Eng, CAD (42 CAD)	110*	16AUG10A	16AUG10A	04FEB11	27JAN11	6	1	21,198.28	70						
1208-0029	Final Design Analysis	110*	16AUG10A	16AUG10A	04FEB11	27JAN11	6	1	37,264.60	55						
1208-0030	Design Drawings (23 dwg)	60	07FEB11	28JAN11	29APR11	21APR11	6	1	25,673.01							
1208-0032	Validation of Design Complete	10	02MAY11	22APR11	13MAY11	05MAY11	6	1	5,780.40							
1208-0033	Update CAD Models per Validation	10	16MAY11	06MAY11	27MAY11	19MAY11	6	1	5,246.22							
1208-0034	Revise Fabrication & Assembly Drawings per Valid	10	31MAY11	20MAY11	13JUN11	03JUN11	6	1	11,491.72							
1208-0035	Review, Check Drawings	5	14JUN11	06JUN11	20JUN11	10JUN11	6	1	13,023.52							
1208-0036	Drawings ready for FDR	1	21JUN11	13JUN11	21JUN11	13JUN11	6	1	0.00							
1208-0038	FDR	1	22JUN11*	15JUN11*	22JUN11	15JUN11	5	0	0.00							
1208-0042	Prep Req & Procurement Package	10	02JUL12*	02JUL12*	16JUL12	16JUL12	0	62	5,551.68							
1208-0043	Submit Req to Procurement	1	16JUL12	16JUL12	16JUL12	16JUL12	0	62	0.00							
1208-0044	Procurement Processing	22	16JUL12	16JUL12	14AUG12	14AUG12	0	62	0.00							
1208-0045	Submit for Vendor Quotes	1	15AUG12	15AUG12	15AUG12	15AUG12	0	62	0.00							
1208-0046	Eval Quotes	43	15AUG12	15AUG12	15OCT12	15OCT12	0	62	1,395.39							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY11 FY12 FY13 FY14 FY15 FY16						
1208-0047	Tech Eval of Vendors	43	15AUG12	15AUG12	15OCT12	15OCT12	0	62	2,790.78								
1208-0048	Award / Order Approved	1	16OCT12	16OCT12	16OCT12	16OCT12	0	62	0.00								
1208-0049	Fab & Deliver incl Vendor Oversight	102	17OCT12	17OCT12	20MAR13	20MAR13	0	62	107,986.40								
1208-0050	Receipt of Hardware	5	21MAR13	21MAR13	27MAR13	27MAR13	0	62	0.00								
1208-0051	QA Inspection	10	28MAR13	28MAR13	10APR13	10APR13	0	62	2,041.52								
1208-0052	Resolve Procurement Issues	5	11APR13	11APR13	17APR13	17APR13	0	62	354.28								
1208-0053	Documentation: Assembly Procedures	10	18APR13	18APR13	01MAY13	01MAY13	0	62	4,251.36								
1208-0054	Assembly of Components	15	02MAY13	02MAY13	22MAY13	22MAY13	0	62	9,594.96								
1208-0055	Parts ready for installation	1	23MAY13	23MAY13	23MAY13	23MAY13	0	62	0.00								
1208-0057	Handling / Warehouse / Storage	5	24MAY13	24MAY13	31MAY13	31MAY13	0	121	2,665.92								

Job: 1220 - Misc Structural Design-SMITH

1220-0016	Final Design Oversight (LOE)	180*	01OCT10	01OCT10A	22JUN11	22JUN11	0	332	82,902.04	LOE							
1220-0017	Design/Analysis support from EMEM (Willard)	79*	01NOV10*	04OCT10A	23DEC10	01FEB11	-22	432	50,627.20	40							
1220-0017A	Analysis VV Dome & PF2/3 Rib	78*	05OCT10A	05OCT10A	01FEB11	01FEB11	0	432	6,328.40	60							
1220-0017B	VV & Support Structure - Peer Review	0			30MAR11*	30MAR11*	0	2,361	0.00								
1220-0020	Prep for FDR	5	24JUN11*	13JUN11*	30JUN11	17JUN11	9	-2	6,328.40								
1220-0031	Misc/admin	78	05OCT10A	05OCT10A	27MAY11	27JUL11	-41	308	27,928.42								
1220-1 PDR	Prelim Design Oversight	38	03MAY10A	03MAY10A	24JUN10A	24JUN10A	0	0	0.00	100							
1220-2 FDR	Final Design Oversight (LOE)	190*	25JUN10A	25JUN10A	30SEP10A	30SEP10A	0	0	40,250.16	100							

Job: 1300 - Center Stack-CHRZANOWSKI

1300-0010	Engineering & Dsgn Supp-Final Design (LOE)	249*	03MAY10A	03MAY10A	29APR11	29APR11	0	134	272,028.55	LOE							
1300-0011	Engineering and Design Support-Title III	698	02MAY11	02MAY11	21FEB14	21FEB14	0	134	746,937.73								
FY101300	FY10 Actual Cost	85	01JAN10A	01JAN10A	30APR10A	30APR10A	0	0	48,143.00	100							
FY101300A	FY10 Actual Cost (Corresponds to BCWP)	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0	0	-4,688.00								

Job: 1301 - Outer TF Coils-CHRZANOWSKI

1301-0010	Revise Outer TF Coil (OTF) Drawings	20	02JUL12*	02JUL12*	30JUL12	30JUL12	0	103	19,198.88								
1301-0020	Generate Spec & SOW for OTF Purchase	10	31JUL12	31JUL12	13AUG12	13AUG12	0	103	0.00								
1301-0030	Prep Requisition & Submit to Procurement'	5	14AUG12	14AUG12	20AUG12	20AUG12	0	103	0.00								
1301-0040	Bid & Award OTF Manufacturing	30	21AUG12	21AUG12	02OCT12	02OCT12	0	103	0.00								

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	FY16
1301-0050	Provide Existing OTFTooling to Vendor	1	03OCT12	03OCT12	03OCT12	03OCT12	0	103	0.00							
1301-0060	Manufacture (1) OTF Coil	150	04OCT12	04OCT12	14MAY13	14MAY13	0	103	122,790.00							
1301-0100	Prep Requisitions & Submit to Procurement	15	04SEP12*	04SEP12*	24SEP12	24SEP12	0	190	0.00							
1301-0110	Bid & Award Al Supp Castings & SS Supp Clamps	30	25SEP12	25SEP12	05NOV12	05NOV12	0	190	0.00							
1301-0120	Fab & Del Al Supp Castings & SS Supp Clamps	40	06NOV12	06NOV12	11JAN13	11JAN13	0	190	22,625.28							
1301-0150	Bid & Award Epoxy/Glass for support blocks	30	25SEP12	25SEP12	05NOV12	05NOV12	0	190	0.00							
1301-0160	Fab & Del Epoxy/Glass	40	06NOV12	06NOV12	11JAN13	11JAN13	0	190	24,037.92							
1301-0180	Purchase Copper Fittings	20	25SEP12	25SEP12	22OCT12	22OCT12	0	240	1,971.00							
1301-0200	Setup work area to install Supports	10	01MAY13	01MAY13	14MAY13	14MAY13	0	103	17,772.80							
1301-0210	Install alum blocks & SS support clamps	30	15MAY13	15MAY13	26JUN13	26JUN13	0	103	52,292.00							
1301-0300	Fab Drill Jig for add'l holes in all OTF Flags	5	01OCT13*	01OCT13*	07OCT13	07OCT13	0	79	11,343.60							
1301-0310	Drill (24) Add'l holes in all OTF Flags	50	08OCT13	08OCT13	18DEC13	18DEC13	0	79	45,936.00							
FY101301	FY10 Actual Cost	22	01APR10A	01APR10A	30APR10A	30APR10A	0		1,607.00	100						
FY101301A	FY10 Actual Cost	20	03MAY10A	03MAY10A	28MAY10A	28MAY10A	0		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)	74*	01SEP10A	01SEP10A	19NOV10	16DEC10	-17	101	0.00	80						
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Single Flex Laminate CSU R&D Plan

1303-000B2	2.2 In-Place Bending Stiffness	100*	01SEP10A	01SEP10A	15DEC10	31JAN11	-27	81	0.00	50						
1303-000B3	2.3 Cyclic, Simulated Combined Tests	100*	01SEP10A	01SEP10A	15DEC10	31JAN11	-27	81	0.00	50						

Full Flex Assembly CSU R&D Plan

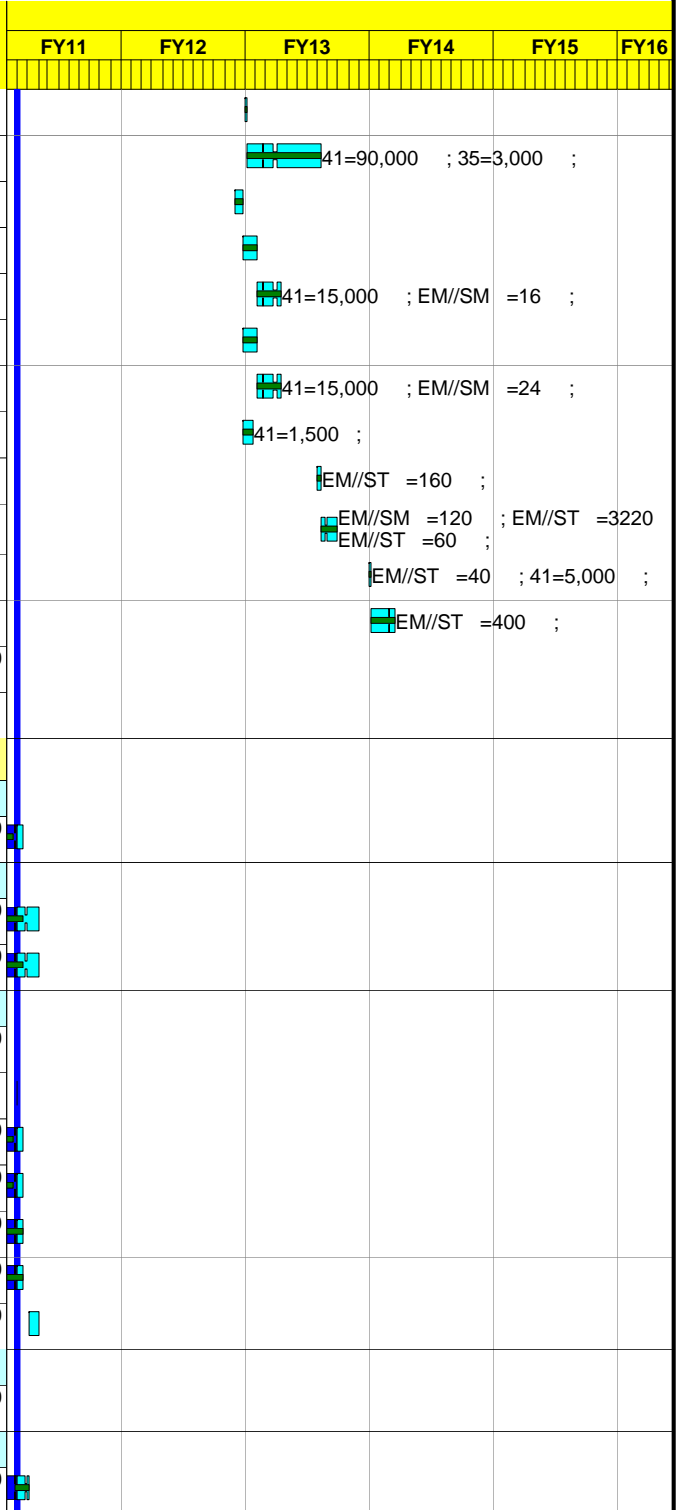
1303-000C1	3.1 Selection Braze vs Solder Between Laminates	1	15SEP10A	15SEP10A	15SEP10A	15SEP10A	0		0.00	100						
1303-000C2	3.2 Manufacture Joint w/Actual Hardware & Copper	1	01OCT10*	01DEC10*	01OCT10	01DEC10	-41	118	0.00							
1303-000C3	3.3 Materials for Testing	42*	15OCT10*	15OCT10A	15NOV10	15DEC10	-20	108	0.00	40						
1303-000C4	3.4 In-plane Bending Stiffnes (use Joint Sample)	42*	15OCT10*	15OCT10A	15NOV10	15DEC10	-20	108	0.00	20						
1303-000C5	3.5 Cyclic, Simulated Combine Test(Joint Sample)	42*	01OCT10*	15OCT10A	15DEC10	15DEC10	0	108	0.00	10						
1303-000C6	3.6 Contact Pressure Distribtn/Therml Joint Tst	42*	15OCT10*	15OCT10A	15DEC10	15DEC10	0	108	0.00	20						
1303-000C7	Bellville Washer Test	20		04JAN11		31JAN11*	0	2,403	0.00	20						

FSW Trials CSU R&D Plan

1303-000D1	4.2 Verify C18150 can be Joint C10700 Conductors	1	10SEP10A	10SEP10A	10SEP10A	10SEP10A	0		0.00	100						
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Joint Inserts CSU R&D Plan

1303-000E	5.1 Tap-Lok Insert Pullout Strength-Static/Fatig	51*	22NOV10*	13OCT10A	05JAN11	03JAN11	2	101	0.00	60						
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Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	FY					
											FY11	FY12	FY13	FY14	FY15	FY16

Insulation Bond Test CSU R&D Plan

1303-000F	6.1 Verify Shear Bond Strength Copper/Epoxy/Insu	1	29OCT10*	01DEC10*	29OCT10	01DEC10	-21	118	0.00	
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OH TIG Braze Test CSU R&D Plan

1303-000G	7.1 Layer t/LayerBraze Tst after Conductor Proc	1	01OCT10*	01DEC10*	01OCT10	01DEC10	-41	118	0.00	
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OH Conductor Brazes CSU R&D Plan

1303-000H	8.1 Inline Braze Test after Conductor Procuremnt	1	01OCT10*	01DEC10*	01OCT10	01DEC10	-41	118	0.00	
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OH-TF Spacer Test CSU R&D Test

1303-000I	9.1 Test MTRL/Process f/Manufactg to 0.1" Gap	1	01OCT10*	01DEC10*	01OCT10	01DEC10	-41	118	0.00	
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Testing

1303-001	Test Engineering Design and Analysis	267*	01MAY10A	01MAY10A	25APR11	25MAY11	-22	14	53,197.52	55.	em/em= 350
1303-002	Materials Testing	267*	01MAY10A	01MAY10A	25APR11	25MAY11	-22	14	7,669.38	55.	em/st=80
1303-003	Component Testing	267*	01MAY10A	01MAY10A	25APR11	25MAY11	-22	14	10,955.68	55.	ee/tb=40 em/st=80
1303-004	Assembly Testing	182*	01SEP10A	01SEP10A	25APR11	25MAY11	-22	14	19,055.03	34.	ee/tb=40 em/st=160
1303-005	Model Fabrication	245*	01MAY10A	01MAY10A	31AUG10A	31AUG10A	0		0.00	100	
1303-011	Testing Design Support and M&S	160*	01OCT10*	01OCT10A	25APR11	24MAY11	-21	15	212,541.38	25.	EM//EM = 578 hrs; EA//DM=160hrs; M&S = \$80,000
FY101303	FY10 Actual Cost	85	01JAN10A	01JAN10A	30APR10A	30APR10A	0		28,278.00	100	
FY101303A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		21,454.00		

Job: 1304 - Inner TF Bundle (Ds/Fab)-CHRZANOWSKI

Inner TF Bundl;e Design

1304-0050	Perform Add'l Friction Stir Weld Trials-Phase II	75	01SEP10A	01SEP10A	01OCT10A	01OCT10A	0		0.00	100	
1304-0060	Fabricate Flex Bus Assy's for Testing (2)	42*	01SEP10A	01SEP10A	29OCT10	29OCT10A	0		17,500.00	100	EM//ST =120 ; 41=5,000 ;
1304-0065	New Insulation Shear R&D Test	43*	16SEP10A	16SEP10A	15NOV10	15NOV10A	0		27,269.77	100	41=22,000 ;
1304-0065B	Second Insulation Shear R&D Test (60k cycle tes	60*	24NOV10*	24NOV10A	25FEB11	25FEB11	0	62	22,680.00	5	41=18,000 ;
1304-0110	Design-Analyze Tension Strap	15	24JUN10A	24JUN10A	15JUL10A	15JUL10A	0		0.00	100	
1304-0130	Complete Analysis if TF Flex Bus	24	26JUL10A	26JUL10A	26AUG10A	26AUG10A	0		0.00	100	
1304-0140	Complete & Check Thermal Stresses	15	16JUL10A	16JUL10A	05AUG10A	05AUG10A	0		0.00	100	
1304-0150	Maintain input to Willards Flex Model (LOE)	191*	24JUN10A	24JUN10A	03JAN11	31MAR11	-63	38	7,401.00	LOE	EA//EM =40 ;
1304-0160	Check Willards/Tooling/Fixturing Calculations	40	03JAN11*	04FEB11*	25FEB11	31MAR11	-24	38	23,121.60		EA//EM =60 ;
1304-0170	N/R Tooling/Fixturing Calculations	45	31AUG10A	31AUG10A	31AUG10A	31AUG10A	0		0.00	100	
1304-0180	N/R Calculation/Write/Check Files	80	31AUG10A	31AUG10A	31AUG10A	31AUG10A	0		0.00	100	
1304-0190	Analyze Pins & Crown	138*	24JUN10A	24JUN10A	15OCT10	17JAN11	-58	53	36,417.00	75	EA//EM =200 ;
1304-0210	Pedestal/Lower Skirt/TF Teeth Analysis	104	02AUG10A	02AUG10A	05JAN11	03MAR11	-41	53	37,279.21	60	EA//EM =200 ;
1304-0220	Finish Torque for Upper Teeth & Covers Post Proc	124	02AUG10A	02AUG10A	02FEB11	31MAR11	-41	53	7,486.31	50	EA//EM =40 ;

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	FY										
											FY11	FY12	FY13	FY14	FY15	FY16					
1304-0230	DCPS Input	160	24JUN10A	24JUN10A	16FEB11	14APR11	-41	28	18,540.58	50	EA/EM =100 ;										
1304-0250	Complete Detail and Assembly CAD Drawings	228*	24JUN10A	24JUN10A	29APR11	23MAY11	-16	1	68,273.51	75	EA/SB =560 ;										
1304-0255	Inner TF Bundle - Peer review	0				16MAY11*		0	2,328	0.00	▼										
1304-0260	Prepare for FDR	15	02MAY11	24MAY11	20MAY11	14JUN11	-16	1	4,996.40		EA/SB =40 ;										
Manufacture Inner TF Conductor																					
1304-0460	Generate SOW for TF Conductor	20*	01OCT10A	01OCT10A	28OCT10	28OCT10A		0	0.00	100											
1304-0480	Prep Req for TF Conductor & Submit to Proc	25*	01OCT10A	01OCT10A	04NOV10	29OCT10A		4	0.00	100											
1304-0500	Bid & Award TF Conductor-Copper Extrusions	30	05NOV10	01DEC10*	20DEC10	19JAN11	-16	41	0.00		■										
1304-0600	Manufacture TF Conductor-Copper Extrusions (80)	90	21DEC10	20JAN11	03MAY11	25MAY11	-16	41	304,920.00		■ 41=242,000 ;										
1304-0730	Prep Req to Mach Conductors & Submit to Proc	5	16MAR11	07APR11	22MAR11	13APR11	-16	41	0.00												
1304-0740	Bid & Award Contract to Machine Conductors	30	23MAR11	14APR11	03MAY11	25MAY11	-16	41	0.00		■										
1304-0750	Machine TF Conductors (Cing Grooves, Lead Areas)	65	04MAY11	26MAY11	04AUG11	26AUG11	-16	41	321,300.00		■ 41=250,000 ; 35=5,000 ;										
1304-0750A	Deliver 1st 25 Machined Conductors	1	30JUN11	25JUL11	30JUN11	25JUL11	-16	66	0.00												
1304-0750B	Deliver 2nd 20 Machined Conductors	1	05AUG11	29AUG11	05AUG11	29AUG11	-16	41	0.00												
1304-0770	Prep Req for Cu-Cr-Zr TF Lead Extensions	10	17MAR11	17MAR11	30MAR11	30MAR11		0	17	0.00	■										
1304-0780	Bid & Award TF Lead Extensions	30	31MAR11	31MAR11	11MAY11	11MAY11		0	17	0.00	■										
1304-0790	Fab & Del TF Lead Extensions	100	12MAY11	12MAY11	03OCT11	03OCT11		0	17	63,015.00	■ 41=50,000 ;										
1304-0830	Prep Req for Friction Stir Welding	5	15AUG11*	15AUG11*	19AUG11	19AUG11		0	17	0.00											
1304-0840	Bid & Award Friction Stir Welding	30	22AUG11	22AUG11	03OCT11	03OCT11		0	17	0.00	■										
1304-0850	Friction Stir-Weld Coil Leads to Conductors	60	04OCT11	04OCT11	05JAN12	05JAN12		0	17	328,950.00	■ 41=250,000 ; 35=5,000 ;										
1304-0850A	Deliver 1st 20 FSW Conductors	1	01DEC11	01DEC11	01DEC11	01DEC11		0	37	0.00											
1304-0850B	Deliver 2nd 25 FSW conductors	1	06JAN12	06JAN12	06JAN12	06JAN12		0	17	0.00											
1304-0930	Prep Req for Final Conductor Machining	5	09NOV11	09NOV11	15NOV11	15NOV11		0	17	0.00											
1304-0940	Bid & Award Final Conductor Machining	30	16NOV11	16NOV11	06JAN12	06JAN12		0	17	0.00	■										
1304-0950	Machine TF Conductors (Fnl Lead Areas & Inserts)	40	09JAN12	09JAN12	02MAR12	02MAR12		0	17	131,580.00	■ 41=100,000 ; 35=2,000 ;										
1304-0950A	Receive 1st Delivery of Final Machined TF Cond	1	20FEB12	20FEB12	20FEB12	20FEB12		0	27	0.00											
1304-0950B	Receive Balance of Final Machined TF Cond	1	05MAR12	05MAR12	05MAR12	05MAR12		0	17	0.00											
Other Inner TF Bundle Hardware																					
1304-1110	Prep Req for C151 (Cu-Zr) for Flex Bus	10	02JAN13*	02JAN13*	15JAN13	15JAN13		0	195	0.00											
1304-1112	Bid/Award- C151 for Flex Bus	30	16JAN13	16JAN13	26FEB13	26FEB13		0	195	0.00	■										
1304-1114	Fab & Deliver C151 for Flex Bus	40	27FEB13	27FEB13	23APR13	23APR13		0	195	39,600.00	■ 41=30,000 ;										
1304-1114A	Prep Req for Flex Bus Solder Bimetal Wafers	10	02JAN13*	02JAN13*	15JAN13	15JAN13		0	195	0.00	■ 41=34,000 ;										

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	FY					
											FY11	FY12	FY13	FY14	FY15	FY16
1304-1114B	Bid/Award- for Flex Bus Solder Bimetal Wafers	30	16JAN13	16JAN13	26FEB13	26FEB13	0	195	0.00							
1304-1114C	Fab & Delive- for Flex Bus Solder Bimetal Wafers	40	27FEB13	27FEB13	23APR13	23APR13	0	195	39,600.00							
1304-1120	Prep Req for Flex Bus Fabrication	10	05AUG13*	05AUG13*	16AUG13	16AUG13	0	85	0.00							
1304-1122	Bid/Award Flex Bus Fabrication	30	19AUG13	19AUG13	30SEP13	30SEP13	0	85	0.00							
1304-1124	Fab & Deliver Flex Bus	60	01OCT13	01OCT13	06JAN14	06JAN14	0	85	153,930.00							
1304-1130	Prep Req for Cu-Cr-Zr (C1815) for OTF Lead Ext	10	01OCT12*	01OCT12*	12OCT12	12OCT12	0	161	0.00							
1304-1132	Bid/Award Cu-Cr-Zr for OTF Lead Ext	30	15OCT12	15OCT12	27NOV12	27NOV12	0	161	0.00							
1304-1134	Fab & Del Cu-Cr-Zr for OTF Lead Ext	60	28NOV12	28NOV12	28FEB13	28FEB13	0	161	107,197.92							
1304-1140	Prep Req for OTF Lead Ext (OTF to Flex)	10	04SEP12*	04SEP12*	17SEP12	17SEP12	0	160	0.00							
1304-1142	Bid/Award OTF Lead Ext (OTF to Flex)	30	18SEP12	18SEP12	29OCT12	29OCT12	0	160	0.00							
1304-1144	Fab & Del OTF Lead Ext (OTF to Flex)	80	30OCT12	30OCT12	01MAR13	01MAR13	0	160	66,000.00							
1304-1150	Prep ReqPrep Req for Supports for OTF Jumpers	10	01OCT12*	01OCT12*	12OCT12	12OCT12	0	161	0.00							
1304-1152	Bid/Award Supports for OTF Jumpers	30	15OCT12	15OCT12	27NOV12	27NOV12	0	161	0.00							
1304-1154	Fab/Deliver Supports for OTF Jumpers	60	28NOV12	28NOV12	28FEB13	28FEB13	0	161	66,000.00							
1304-1160	Prep Req Lower TF Coil to Bus Jump & Supp	10	03DEC12*	03DEC12*	14DEC12	14DEC12	0	138	0.00							
1304-1162	Bid/Award Lower TF Coil to Bus Jump & Supp	30	17DEC12	17DEC12	05FEB13	05FEB13	0	138	0.00							
1304-1164	Fab & Deliver Lower TF Coil to Bus Jump & Supp	40	06FEB13	06FEB13	02APR13	02APR13	0	138	31,680.00							
1304-1170	Prep Spec for Super Bolts	10	03SEP13*	03SEP13*	16SEP13	16SEP13	0	25	0.00							
1304-1172	Bid/Award Super Bolts	30	17SEP13	17SEP13	28OCT13	28OCT13	0	25	0.00							
1304-1174	Fab & Deliver Super Nuts	100	29OCT13	29OCT13	31MAR14	31MAR14	0	25	205,414.88							
1304-1180	Prep Req Joint Hardware	10	02NOV12*	02NOV12*	15NOV12	15NOV12	0	167	0.00							
1304-1182	Bid/Award Joint Hardware	30	16NOV12	16NOV12	09JAN13	09JAN13	0	167	0.00							
1304-1184	Fab & Deliver Joint Hardware	30	10JAN13	10JAN13	20FEB13	20FEB13	0	167	34,412.64							
1304-1190	Prep Spec Copper for Lead Ext for Upper ITF	10	02OCT12*	02OCT12*	15OCT12	15OCT12	0	160	0.00							
1304-1192	Bid/Award - Copper Lead Ext for Upper ITF	30	16OCT12	16OCT12	28NOV12	28NOV12	0	160	0.00							
1304-1194	Fab & Deliver Copper Lead Ext for Upper ITF	60	29NOV12	29NOV12	01MAR13	01MAR13	0	160	35,825.28							
1304-1210	Prep Req for Up/Lwr OF to TF Supp Struct	10	02OCT12*	02OCT12*	15OCT12	15OCT12	0	160	0.00							
1304-1212	Bid/Award Up/Lwr OH to TF Supp Struct	30	16OCT12	16OCT12	28NOV12	28NOV12	0	160	0.00							
1304-1214	Fab & Del Up/Lwr OH to TF Supp Struct	60	29NOV12	29NOV12	01MAR13	01MAR13	0	160	39,600.00							
1304-1220	Pre Req for Cooling Fittings	10	02OCT12*	02OCT12*	15OCT12	15OCT12	0	200	0.00							
1304-1222	Bid/Award Cooling Fittings	30	16OCT12	16OCT12	28NOV12	28NOV12	0	200	0.00							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	FY16
1304-1224	Fab & Deliver Cooling Fittings	20	29NOV12	29NOV12	04JAN13	04JAN13	0	200	8,012.64							
1304-1230	Prep Req for Tooling for Inst Flex Bus Segments	10	02OCT12*	02OCT12*	15OCT12	15OCT12	0	170	0.00							
1304-1232	Bid/Award-Tooling for Inst Flex Bus segments	30	16OCT12	16OCT12	28NOV12	28NOV12	0	170	0.00							
1304-1234	Fab/Del Tooling for Inst Flex Bus Segments	50	29NOV12	29NOV12	15FEB13	15FEB13	0	170	44,188.80							
1304-1240	Prep req for Up/Lwr Teeth Interf Struct	10	10SEP12*	10SEP12*	21SEP12	21SEP12	0	176	0.00							
1304-1242	Bid/Award Up/Lwr Teeth Interf Struct	30	24SEP12	24SEP12	02NOV12	02NOV12	0	176	0.00							
1304-1244	Fab & Deliver Up/Lwr Teeth Interf Struct	60	05NOV12	05NOV12	07FEB13	07FEB13	0	176	66,000.00							

FY101304	FY10 Actual Cost	100	01DEC09A	01DEC09A	30APR10A	30APR10A	0		104,348.00	100						
FY101304A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		134,712.00							

Job: 1305 - OHMIC Heating Coil (OH)-CHRZANOWSKI

Design

1305-0100	Finalize Calcs on OH Flow Optimization	25	24JUN10A	24JUN10A	29JUL10A	29JUL10A	0		0.00	100						
1305-0110	Check Flow Rates on Cavitation Issues	10	01SEP10A	01SEP10A	15SEP10A	15SEP10A	0		0.00	100						
1305-0120	Analyze Coax Lead Box	134*	30JUL10A	30JUL10A	15DEC10	15FEB11	-38	43	18,572.21	20						
1305-0140	Fatigue Assessment	111*	02AUG10A	02AUG10A	14JAN11	14JAN11	0	43	3,689.43	60						
1305-0180	Calculation write/check & file	121*	17JAN11	04OCT10A	31MAR11	31MAR11	0	43	19,268.00	50						
1305-0200	Analysis of Mfg Tooling & CS Support Fixture	0*	01APR11*	01APR11*	31MAR11	31MAR11	0	43	0.00							
1305-0510	Complete Detail & Assembly CAD Drawings	161*	01OCT10*	01OCT10A	26APR11	25MAY11	-21	4	87,437.00	50						
1305-0515	OHMIC Heating Coil - Peer review	0				16MAY11*	0	2,328	0.00							
1305-0900	Prepare for FDR	10	27APR11	26MAY11	10MAY11	09JUN11	-21	4	4,996.40							
1305-0910	R&D for Tooling & For "Aquapour"	155*	01JUN10A	01JUN10A	22NOV10	17JAN11	-32	106	52,901.05	85						
1305-0915	N/R Additional R&D For "Aquapour"	20*	31AUG10A	31AUG10A	31AUG10A	31AUG10A	0		0.00	100						
1305-1410	Design TF Quadrant Mold	30	03JAN11	03JAN11	11FEB11	11FEB11	0	2	14,989.20							
1305-1430	Design TF Full Mold	30	14FEB11	14FEB11	25MAR11	25MAR11	0	2	19,985.60							
1305-1450	Design OH Mold	30	28MAR11	28MAR11	06MAY11	06MAY11	0	2	19,985.60							
1305-1470	Design OH Winding Clamps	25	09MAY11	09MAY11	20JUN11	13JUN11	5	2	9,992.80							
1305-1490	Design Lifting Beam -conductors & coils	15	24JAN11	24JAN11	11FEB11	11FEB11	0	2	9,992.80							
1305-1510	Design Ground Wrap Station	15	14FEB11	14FEB11	04MAR11	04MAR11	0	2	4,996.40							
1305-1530	Design Tension Unit	15	07MAR11	07MAR11	25MAR11	25MAR11	0	2	9,992.80							
1305-1550	Design Mold for OH-TF Castable Material	15	28MAR11	28MAR11	15APR11	15APR11	0	2	7,494.60							
1305-1570	Design Braze Station	20	18APR11	18APR11	13MAY11	13MAY11	0	2	9,992.80							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY						
											FY11	FY12	FY13	FY14	FY15	FY16	
1305-1580	Design Sandblast Station	20	16MAY11	16MAY11	13JUN11	13JUN11	0	2	9,992.80								
1305-1610	Design OH/TF Facility Area Layout incl CleanRoom	30	03JAN11*	03JAN11*	25FEB11	11FEB11	10	2	29,978.40								
1305-1620	Electrical Layout to Support Winding Area	40	03JAN11*	03JAN11*	25FEB11	25FEB11	0	212	37,771.20								
1305-1630	Generate Manufacturing Procedures & Travelers	20	11OCT11	01DEC10	07NOV11	05JAN11	215	456	0.00								
Tooling & Equipment setup																	
1305-4010	Remove NCSX Tooling & Spare Parts from NCSX TC	20	01JUN11*	01JUN11*	28JUN11	28JUN11	0	126	19,842.00								
1305-4030	Setup Winding Area	40	29JUN11	29JUN11	24AUG11	24AUG11	0	126	59,526.00								
1305-4050	Setup Winding Equipment	40	03OCT11*	03OCT11*	29NOV11	29NOV11	0	100	52,219.20								
TF/OH Material Procurements																	
1304-3350	Spec-TF conductor stands- tube soldering	10	11OCT11*	01SEP11*	24OCT11	15SEP11	27	81	0.00								
1304-3352	Bid/Award TF Conductor Stands for Soldering	30	25OCT11	16SEP11	07DEC11	27OCT11	27	81	0.00								
1304-3354	Fab & Del TF Conductor Stands for Soldering	40	08DEC11	28OCT11	09FEB12	03JAN12	27	81	23,856.40								
1304-3450	Spec-TF conductor stands- for insulating	20	11OCT11*	01SEP11*	07NOV11	29SEP11	27	178	0.00								
1304-3452	Bid/Award TF Conductor Stand for Insulating	30	08NOV11	30SEP11	21DEC11	10NOV11	27	178	0.00								
1304-3454	Fab & Del TF Conductor Stands for Insulating	60	22DEC11	11NOV11	22MAR12	14FEB12	27	178	25,800.00								
1304-3550	Spec TF Quadrant mold	20	11OCT11*	01SEP11*	07NOV11	29SEP11	27	183	0.00								
1304-3552	Bid/Award-TF Quadrant Mold	30	08NOV11	30SEP11	21DEC11	10NOV11	27	183	0.00								
1304-3554	Fab & Deliver TF Quadrant Mold	60	22DEC11	11NOV11	22MAR12	14FEB12	27	183	107,706.40								
1304-3600	Spec - TF Full coil mold	20	01MAR12*	01MAR12*	28MAR12	28MAR12	0	170	0.00								
1304-3602	Bid/Award TF Full Coil Mold	30	29MAR12	29MAR12	09MAY12	09MAY12	0	170	0.00								
1304-3604	Fab & Deliver Full TF Coil Mold	60	10MAY12	10MAY12	03AUG12	03AUG12	0	170	127,056.40								
1304-3700	Spec - VPI delivery system	20	11OCT11*	01SEP11*	07NOV11	29SEP11	27	193	0.00								
1304-3702	Bid/Award VPI Delivery System	30	08NOV11	30SEP11	21DEC11	10NOV11	27	193	0.00								
1304-3704	Fab & Deliver VPI Delivery System	60	22DEC11	11NOV11	22MAR12	14FEB12	27	193	43,206.40								
1304-3800	Spec - Lift beam- conductor	20	11OCT11*	01SEP11*	07NOV11	29SEP11	27	226	0.00								
1304-3802	Bid/Award Lift Beam Conductor	30	08NOV11	30SEP11	21DEC11	10NOV11	27	226	0.00								
1304-3804	Fab & Deliver Lift Beam for Conductor	40	22DEC11	11NOV11	23FEB12	17JAN12	27	226	28,053.20								
1304-3900	Spec - Lift Beam for coil	20	11OCT11*	01SEP11*	07NOV11	29SEP11	27	198	0.00								
1304-3902	Bid/Award - Lift Beam for Coil	30	08NOV11	30SEP11	21DEC11	10NOV11	27	198	0.00								
1304-3904	Fab & deliver Lift Beam for Coil	40	22DEC11	11NOV11	23FEB12	17JAN12	27	198	40,953.20								
1305-1900	Spec- Taping machines [2]	20	02JUL12*	02JUL12*	30JUL12	30JUL12	0	107	0.00								
1305-1902	Bid/Award - Taping Machines	30	31JUL12	31JUL12	11SEP12	11SEP12	0	107	0.00								

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	FY11 FY12 FY13 FY14 FY15 FY16					
1305-1904	Fab & Deliver Taping Machines	60	01OCT12*	01OCT12*	03JAN13	03JAN13	0	94	33,000.00							
1305-2000	Spec- Tension unit	20	02JUL12*	02JUL12*	30JUL12	30JUL12	0	107	0.00							
1305-2002	Bid/Award Tension Unit	30	31JUL12	31JUL12	11SEP12	11SEP12	0	107	0.00							
1305-2004	Fab & Deliver Tension Unit	60	01OCT12*	01OCT12*	03JAN13	03JAN13	0	94	35,416.00							
1305-2100	Spec-Braze unit	20	01JUN12*	01JUN12*	28JUN12	28JUN12	0	108	0.00							
1305-2102	Bid/Award Braze Station	30	29JUN12	29JUN12	10AUG12	10AUG12	0	108	0.00							
1305-2104	Fab & Deliver Braze Station	80	13AUG12	13AUG12	05DEC12	05DEC12	0	108	130,725.00							
1305-2200	Spec-Braze fixture and work coil	20	02JUL12*	02JUL12*	30JUL12	30JUL12	0	107	0.00							
1305-2210	Bid/Award Braze Fixture for Work Coil	30	31JUL12	31JUL12	11SEP12	11SEP12	0	107	0.00							
1305-2220	Fab & Deliver Braze Fixture for Work Coil	60	01OCT12*	01OCT12*	03JAN13	03JAN13	0	94	26,529.60							
1305-2300	Spec Winding machine for OH	20	03JAN12*	03JAN12*	30JAN12	30JAN12	0	185	0.00							
1305-2310	Bid/Award Winding Machine for OH	60	31JAN12	31JAN12	23APR12	23APR12	0	185	0.00							
1305-2320	Fab & Deliver Winding Machine for OH	80	24APR12	24APR12	15AUG12	15AUG12	0	185	161,250.00							
1305-2400	Spec - Mold for OH-TF spacer [Aquapour]	20	11OCT11*	01SEP11*	07NOV11	29SEP11	27	314	0.00							
1305-2410	Bid/Award Mold for OH-TF Spacer	30	08NOV11	30SEP11	21DEC11	10NOV11	27	314	0.00							
1305-2420	Fab & Deliver Mold for OH-TF Spacer	60	22DEC11	11NOV11	22MAR12	14FEB12	27	314	12,900.00							
1305-2500	Spec - OH winding clamps- 4-sets	20	11OCT11*	01SEP11*	07NOV11	29SEP11	27	314	0.00							
1305-2510	Bid/Award OH Winding Clamps - 4 sets	30	08NOV11	30SEP11	21DEC11	10NOV11	27	314	0.00							
1305-2520	Fab & Deliver OH Winding Clamps 4 sets	60	22DEC11	11NOV11	22MAR12	14FEB12	27	314	25,800.00							
1305-2600	Spec - OH Mold	20	01JUN12*	01JUN12*	28JUN12	28JUN12	0	108	0.00							
1305-2610	Bid/Award OH Mold	30	29JUN12	29JUN12	10AUG12	10AUG12	0	108	0.00							
1305-2620	Fab & Deliver OH Mold	80	13SEP12*	13SEP12*	15JAN13	15JAN13	0	86	129,535.34							
1305-2650	Spec SandBlast Unit	20	11OCT11*	01SEP11*	07NOV11	29SEP11	27	123	0.00							
1305-2652	Bid/Award Sanblast Unit	30	08NOV11	30SEP11	21DEC11	10NOV11	27	123	0.00							
1305-2654	Fab & Deliver Sandblast Unit	80	22DEC11	11NOV11	19APR12	13MAR12	27	123	32,404.80							
1305-2700	Miscellaneous tools & fixtures	20	11OCT11*	01SEP11*	07NOV11	29SEP11	27	294	0.00							
1305-2702	Bid/Award Misc Tools & Fixtures	30	08NOV11	30SEP11	21DEC11	10NOV11	27	294	0.00							
1305-2704	Fab & deliver Misc Tools & Fixtures	80	22DEC11	11NOV11	19APR12	13MAR12	27	294	60,612.80							
1305-2800	Spec - "Aquapour"- castable material	20	11OCT11*	01SEP11*	07NOV11	29SEP11	27	314	0.00							
1305-2802	Bid/Award Aquapour	30	08NOV11	30SEP11	21DEC11	10NOV11	27	314	0.00							
1305-2820	Fab & Deliver Aquapour	60	22DEC11	11NOV11	22MAR12	14FEB12	27	314	12,900.00							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	FY						
											FY11	FY12	FY13	FY14	FY15	FY16	
1305-2900	Spec-Insulation [fiberg tape, teflon and gnd p	20	11OCT11*	01SEP11*	07NOV11	29SEP11	27	178	0.00								
1305-2902	Bid/Award - Insulation	30	08NOV11	30SEP11	21DEC11	10NOV11	27	178	0.00								
1305-2904	Fab & Deliver Insulation	60	22DEC11	11NOV11	22MAR12	14FEB12	27	178	25,800.00								
1305-3000	Epoxy- CTD-101	20	11OCT11*	01SEP11*	07NOV11	29SEP11	27	178	0.00								
1305-3002	Bid/Award Epoxy-CTD-101	30	08NOV11	30SEP11	21DEC11	10NOV11	27	178	0.00								
1305-3004	Fab & Deliver Epoxy-CTD-101	60	22DEC11	11NOV11	22MAR12	14FEB12	27	178	19,350.00								
1305-3100	Spec-Copper pre-tinned tubing [TF conductor]	20	11OCT11*	01SEP11*	07NOV11	29SEP11	27	81	0.00								
1305-3102	Bid/Award Copper pre-tinned tubing	30	08NOV11	30SEP11	21DEC11	10NOV11	27	81	0.00								
1305-3104	Fab & Deliver pre-tinned tubing	30	22DEC11	11NOV11	09FEB12	03JAN12	27	81	6,450.00								
1305-3200	G-10 Filler modifications	40	11OCT11*	03OCT11*	07DEC11	29NOV11	6	227	17,608.50								
1305-3300	Req/Order - Conductor primer	20	11OCT11*	08SEP11*	07NOV11	05OCT11	23	229	0.00								
1305-3310	Fab & Deliver Conductor Primer	40	08NOV11	06OCT11	12JAN12	02DEC11	23	229	2,580.00								
1305-3400	Req/Order-Safety and PPE equipment and supplies	20	11OCT11*	01SEP11*	07NOV11	29SEP11	27	81	0.00								
1305-3410	Fab & Deliver Safety & PPE	40	08NOV11	30SEP11	12JAN12	28NOV11	27	81	6,446.25								
1305-3500	Req/Order Miscellaneous supplies	30	11OCT11*	01SEP11*	21NOV11	13OCT11	27	198	0.00								
1305-3510	Fab & Deliver Misc Supplies	60	22NOV11	14OCT11	23FEB12	17JAN12	27	198	25,800.00								
1305-3600	Req/OrderRTV and silicone caulk for mold sealing	20	11OCT11*	01SEP11*	07NOV11	29SEP11	27	248	0.00								
1305-3610	Fab & Deliver RTV & Silicone for Mold Sealing	20	08NOV11	30SEP11	07DEC11	27OCT11	27	248	6,442.50								
1305-3700	Specify-valves & fittinngs (VPI Disposables)	20	11OCT11*	01SEP11*	07NOV11	29SEP11	27	198	0.00								
1305-3710	Bid/Awad-Valves & Fittings (VPI)	30	08NOV11	30SEP11	21DEC11	10NOV11	27	198	0.00								
1305-3720	Fab & Deliver Valves-Fittings (VPI)	40	22DEC11	11NOV11	23FEB12	17JAN12	27	198	12,900.00								
1305-3800	spec-High &Low Temp Vac Tubing (VPI)	20	11OCT11*	03OCT11*	07NOV11	28OCT11	6	177	0.00								
1305-3810	Bid/Award High & Low Temp Vac Tubing (VPI)	30	08NOV11	31OCT11	21DEC11	13DEC11	6	177	0.00								
1305-3820	Fab & deliver High & Low Temp Vac Tube (VPI)	40	22DEC11	14DEC11	23FEB12	15FEB12	6	177	12,900.00								
1305-3900	Fabricate - VPI manifolds	40	11OCT11*	03OCT11*	07DEC11	29NOV11	6	227	28,208.00								
OH Conductor & Other Hardware																	
1305-0920	Generate SOW for OH Conductor	20	16JUL12*	16JUL12*	10AUG12	10AUG12	0	83	0.00								
1305-0930	Prep Requisition & Submit to Procurement	5	13AUG12	13AUG12	17AUG12	17AUG12	0	83	0.00								
1305-0940	Bid & Award OH Conductor Fabrication	30	20AUG12	20AUG12	01OCT12	01OCT12	0	83	0.00								
1305-0950	Manufacture OH Copper Conductor	70	02OCT12	02OCT12	18JAN13	18JAN13	0	83	139,392.00								
1305-0960	Generate Requisition for Kapton/Glass Insulation	5	13AUG12*	13AUG12*	17AUG12	17AUG12	0	103	1,380.64								
1305-0980	Bid & Award Kapton/Glass Insulation	30	20AUG12	20AUG12	01OCT12	01OCT12	0	103	0.00								

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	FY						
											FY11	FY12	FY13	FY14	FY15	FY16	
1305-1000	Fab & Deliver Kapton/Glass Insulation	50	02OCT12	02OCT12	12DEC12	12DEC12	0	103	34,412.64								
1305-1010	Prep Requisition for Belleville Washer Assembly	10	13AUG12*	13AUG12*	24AUG12	24AUG12	0	98	0.00								
1305-1030	Bid & Award Belleville Washer Assembly	30	27AUG12	27AUG12	08OCT12	08OCT12	0	98	0.00								
1305-1050	Fab & Deliver Belleville Washer Assembly	50	09OCT12	09OCT12	19DEC12	19DEC12	0	98	46,200.00								
1305-1060	Prepare Requisition for G-10 Fillers	10	13AUG12*	13AUG12*	24AUG12	24AUG12	0	88	0.00								
1305-1080	Bid & Award G-10 Fillers	30	27AUG12	27AUG12	08OCT12	08OCT12	0	88	0.00								
1305-1100	Fab & Deliver G-10 Filers	60	09OCT12	09OCT12	11JAN13	11JAN13	0	88	46,200.00								
1305-1110	Prep Requisition for Lead Blocks & Cooling Fitti	10	13AUG12*	13AUG12*	24AUG12	24AUG12	0	68	0.00								
1305-1130	Bid & Award Lead Blocks & Cooling Fittings	30	27AUG12	27AUG12	08OCT12	08OCT12	0	68	0.00								
1305-1150	Fab & Deliver Lead Blocks & Cooling Fittings	80	09OCT12	09OCT12	08FEB13	08FEB13	0	68	39,600.00								
1305-1160	Prep Requisition for Misc Parts	10	20AUG12*	20AUG12*	31AUG12	31AUG12	0	83	0.00								
1305-1180	Bid & Award Misc Parts	30	04SEP12	04SEP12	15OCT12	15OCT12	0	83	0.00								
1305-1200	Fab & Deliver Misc Parts	60	16OCT12	16OCT12	18JAN13	18JAN13	0	83	19,800.00								
1305-1210	Prep Requisition for OH Lwr Lead & Suppt Struct	10	20AUG12*	20AUG12*	31AUG12	31AUG12	0	83	0.00								
1305-1230	Bid & Award OH Lwr Lead & Supt Struct	30	04SEP12	04SEP12	15OCT12	15OCT12	0	83	0.00								
1305-1250	Fab & deliver OH Lwr Lead & Suppt Struct	60	16OCT12	16OCT12	18JAN13	18JAN13	0	83	33,000.00								
Inner TF Conductor Receipt/Inspection/Prep																	
1304-1310	Inspect Machined TF Conductors	20	06MAR12	06MAR12	02APR12	02APR12	0	17	34,812.80								
1304-1330	Solder TF cooling tubes [40 conductors]	72	03APR12	03APR12	13JUL12	13JUL12	0	17	125,326.08								
1304-1340	Cleanup TF conductors- post solder	60	17MAY12	17MAY12	10AUG12	10AUG12	0	17	69,625.60								
1304-1350	Sandblast TF conductor length for primer	40	13AUG12	13AUG12	08OCT12	08OCT12	0	17	69,845.44								
1304-1360	Apply primer [40 TF conductors]	5	09OCT12	09OCT12	15OCT12	15OCT12	0	17	8,886.40								
Inner TF Quadrant 1																	
1304-1510	Supervise TF/OH Coil Manufacturing	240	02OCT12	02OCT12	19SEP13	19SEP13	0	18	211,896.00								
1304-1520	Apply turn insulation Quadrant #1	5	02OCT12	02OCT12	08OCT12	08OCT12	0	17	17,772.80								
1304-1530	Assemble Quadrant #1	10	09OCT12	09OCT12	22OCT12	22OCT12	0	17	44,432.00								
1304-1540	Prepare VPI operation	3	23OCT12	23OCT12	25OCT12	25OCT12	0	17	10,663.68								
1304-1550	VPI- fill quadrant	2	26OCT12	26OCT12	29OCT12	29OCT12	0	17	7,109.12								
1304-1560	Cure VPI'd coil	8	30OCT12	30OCT12	08NOV12	08NOV12	0	17	7,109.12								
1304-1570	Remove Quadrant #1 from mold	1	09NOV12	09NOV12	09NOV12	09NOV12	0	17	3,554.56								
1304-1580	Cleanup quadrant	2	12NOV12	12NOV12	13NOV12	13NOV12	0	17	3,554.56								
1304-1590	Perform T/T electrical tests	1	14NOV12	14NOV12	14NOV12	14NOV12	0	17	1,777.28								

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't								
											FY11	FY12	FY13	FY14	FY15	FY16		
Inner TF Quadrant 2																		
1304-1620	Apply turn insulation Quadrant #2	5	15NOV12	15NOV12	21NOV12	21NOV12		0	17	17,772.80								EM//ST =160 ;
1304-1630	Assemble Quadrant #2	5	26NOV12	26NOV12	30NOV12	30NOV12		0	17	22,216.00								EM//ST =200 ;
1304-1640	Prepare VPI operation	3	03DEC12	03DEC12	05DEC12	05DEC12		0	17	10,663.68								EM//ST =96 ;
1304-1650	VPI- fill quadrant	2	06DEC12	06DEC12	07DEC12	07DEC12		0	17	7,109.12								EM//ST =64 ;
1304-1660	Cure VPI'd coil	8	10DEC12	10DEC12	19DEC12	19DEC12		0	17	7,109.12								EM//ST =64 ;
1304-1670	Remove Quadrant #2 from mold	1	20DEC12	20DEC12	20DEC12	20DEC12		0	17	3,554.56								EM//ST =32 ;
1304-1680	Cleanup quadrant	2	21DEC12	21DEC12	02JAN13	02JAN13		0	17	3,554.56								EM//ST =32 ;
1304-1690	Perform T/T electrical tests	1	03JAN13	03JAN13	03JAN13	03JAN13		0	17	1,777.28								EM//ST =16 ;
Inner TF Quadrant 3																		
1304-1720	Apply turn insulation Quadrant #3	5	04JAN13	04JAN13	10JAN13	10JAN13		0	17	17,772.80								EM//ST =160 ;
1304-1730	Assemble Quadrant #3	5	11JAN13	11JAN13	17JAN13	17JAN13		0	17	22,216.00								EM//ST =200 ;
1304-1740	Prepare VPI operation	3	18JAN13	18JAN13	22JAN13	22JAN13		0	17	10,663.68								EM//ST =96 ;
1304-1750	VPI- fill quadrant	2	23JAN13	23JAN13	24JAN13	24JAN13		0	17	7,109.12								EM//ST =64 ;
1304-1760	Cure VPI'd coil	8	25JAN13	25JAN13	05FEB13	05FEB13		0	17	7,109.12								EM//ST =64 ;
1304-1770	Remove Quadrant #3 from mold	1	06FEB13	06FEB13	06FEB13	06FEB13		0	17	3,554.56								EM//ST =32 ;
1304-1780	Cleanup quadrant	2	07FEB13	07FEB13	08FEB13	08FEB13		0	17	3,554.56								EM//ST =32 ;
1304-1790	Perform T/T electrical tests #4	1	11FEB13	11FEB13	11FEB13	11FEB13		0	17	1,777.28								EM//ST =16 ;
Inner TF Quadrant 4																		
1304-1820	Apply turn insulation Quadrant #4	5	12FEB13	12FEB13	18FEB13	18FEB13		0	17	17,772.80								EM//ST =160 ;
1304-1830	Assemble Quadrant #4	5	19FEB13	19FEB13	25FEB13	25FEB13		0	17	22,216.00								EM//ST =200 ;
1304-1840	Prepare VPI operation	3	26FEB13	26FEB13	28FEB13	28FEB13		0	17	10,663.68								EM//ST =96 ;
1304-1850	VPI- fill quadrant	2	01MAR13	01MAR13	04MAR13	04MAR13		0	17	7,109.12								EM//ST =64 ;
1304-1860	Cure VPI'd coil	8	05MAR13	05MAR13	14MAR13	14MAR13		0	17	7,109.12								EM//ST =64 ;
1304-1870	Remove Quadrant #4 from mold	1	15MAR13	15MAR13	15MAR13	15MAR13		0	17	3,554.56								EM//ST =32 ;
1304-1880	Cleanup quadrant	2	18MAR13	18MAR13	19MAR13	19MAR13		0	17	3,554.56								EM//ST =32 ;
1304-1890	Perform T/T electrical tests	1	20MAR13	20MAR13	20MAR13	20MAR13		0	17	1,777.28								EM//ST =16 ;
Inner TF Coil Assemble Quadrants																		
1304-4800	Assemble quadrants together	5	21MAR13	21MAR13	27MAR13	27MAR13		0	17	22,216.00								EM//ST =200 ;
1304-4900	Apply groundwrap insulation	2	28MAR13	28MAR13	29MAR13	29MAR13		0	17	3,554.56								EM//ST =32 ;
1304-5000	Prepare VPI operation	3	01APR13	01APR13	03APR13	03APR13		0	17	10,663.68								EM//ST =96 ;
1304-5100	VPI full TF coil	2	04APR13	04APR13	05APR13	05APR13		0	17	7,109.12								EM//ST =64 ;

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY						
											FY11	FY12	FY13	FY14	FY15	FY16	
1304-5200	Cure VPI'd coil	8	08APR13	08APR13	17APR13	17APR13	0	17	7,109.12								
1304-5300	Remove full TF from mold and cleanup	1	18APR13	18APR13	18APR13	18APR13	0	17	1,777.28								
1304-5400	Perform Final electrical tests	1	19APR13	19APR13	19APR13	19APR13	0	17	1,777.28								
1304-5500	Transfer TF to OH station	1	22APR13	22APR13	22APR13	22APR13	0	17	4,443.20								
TF/OH Fabrication																	
1305-5600	Prepare TF for OH winding	5	23APR13	23APR13	29APR13	29APR13	0	17	13,329.60								
1305-5700	Install intermediate spacer between OH/TF bundle	8	30APR13	30APR13	09MAY13	09MAY13	0	17	21,327.36								
1305-5800	Apply slip plane, and inner groundwall insulatio	2	10MAY13	10MAY13	13MAY13	13MAY13	0	17	3,554.56								
1305-5900	Braze first lead and prepare for winding	5	14MAY13	14MAY13	20MAY13	20MAY13	0	17	8,886.40								
1305-6000	Wind 1st half of layer #1	5	21MAY13	21MAY13	28MAY13	28MAY13	0	17	13,329.60								
1305-6100	Make [2] in-line brazes	1	29MAY13	29MAY13	29MAY13	29MAY13	0	17	1,777.28								
1305-6200	Wind second half of layer #1	5	30MAY13	30MAY13	05JUN13	05JUN13	0	17	13,329.60								
1305-6300	Perform prelim electrical tests	1	06JUN13	06JUN13	06JUN13	06JUN13	0	17	1,777.28								
1305-6400	Braze layer to layer joint	1	07JUN13	07JUN13	07JUN13	07JUN13	0	17	1,777.28								
1305-6500	Wind 1st half of layer #2	5	10JUN13	10JUN13	14JUN13	14JUN13	0	17	13,329.60								
1305-6600	Make [2] in-line brazes	1	17JUN13	17JUN13	17JUN13	17JUN13	0	17	1,777.28								
1305-6700	Wind second half of layer #2	5	18JUN13	18JUN13	24JUN13	24JUN13	0	17	13,329.60								
1305-6800	Perform prelim electrical tests	1	25JUN13	25JUN13	25JUN13	25JUN13	0	17	1,777.28								
1305-6900	Braze layer to layer joint	1	26JUN13	26JUN13	26JUN13	26JUN13	0	17	1,777.28								
1305-7000	Wind 1st half of layer #3	5	27JUN13	27JUN13	03JUL13	03JUL13	0	17	13,329.60								
1305-7100	Make [2] in-line brazes	1	08JUL13	08JUL13	08JUL13	08JUL13	0	17	1,777.28								
1305-7200	Wind second half of layer #3	5	09JUL13	09JUL13	15JUL13	15JUL13	0	17	13,329.60								
1305-7300	Perform prelim electrical tests	1	16JUL13	16JUL13	16JUL13	16JUL13	0	17	1,777.28								
1305-7400	Braze layer to layer joint	2	17JUL13	17JUL13	18JUL13	18JUL13	0	17	1,777.28								
1305-7500	Wind 1st half of layer #4	5	19JUL13	19JUL13	25JUL13	25JUL13	0	17	13,329.60								
1305-7600	Make [2] in-line brazes	1	26JUL13	26JUL13	26JUL13	26JUL13	0	17	1,777.28								
1305-7700	Wind second half of layer #4	5	29JUL13	29JUL13	02AUG13	02AUG13	0	17	13,329.60								
1305-7800	Apply groundwrap insulation	1	05AUG13	05AUG13	05AUG13	05AUG13	0	17	1,777.28								
1305-7900	Mount OH mold around coil	5	06AUG13	06AUG13	12AUG13	12AUG13	0	17	17,772.80								
1305-8000	Prepare VPI operation	3	13AUG13	13AUG13	15AUG13	15AUG13	0	17	10,663.68								
1305-8100	VPI- mold	2	16AUG13	16AUG13	19AUG13	19AUG13	0	17	7,109.12								
1305-8200	Cure VPI'd coil	8	20AUG13	20AUG13	29AUG13	29AUG13	0	17	7,109.12								

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	FY16
1305-8300	Remove mold from OH coil	1	30AUG13	30AUG13	30AUG13	30AUG13	0	17	3,554.56							
1305-8400	Cleanup OH coil	2	03SEP13	03SEP13	04SEP13	04SEP13	0	17	3,554.56							EM//ST =32 ;
1305-8500	Silverplate all electrical surfaces [OH/TF]	3	05SEP13	05SEP13	09SEP13	09SEP13	0	17	2,665.92							EM//ST =32 ;
1305-8600	Perform Final OH electrical tests	1	10SEP13	10SEP13	10SEP13	10SEP13	0	17	1,777.28							EM//ST =24 ;
1305-8700	Remove intermediate spacer between OH and TF bun	5	11SEP13	11SEP13	17SEP13	17SEP13	0	17	13,329.60							EM//ST =16 ;
1305-8800	Perform hydrostat and flow tests- OH/TF coils	3	18SEP13	18SEP13	20SEP13	20SEP13	0	17	5,331.84							EM//ST =120 ;
1305-8900	Transport to CS assembly station	1	23SEP13	23SEP13	23SEP13	23SEP13	0	17	4,443.20							EM//ST =48 ;
																EM//ST =40 ;

FY091310	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		1,051,480.00	100
FY091315	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		4,085.00	100
FY101305	FY10 Actual Cost	85	01JAN10A	01JAN10A	30APR10A	30APR10A	0		168,034.00	100
FY101305A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		101,411.00	

Job: 1306 - Inner PF Coils-CHRZANOWSKI

1306-1010	Complete Inner PF Coil Analysis	106*	01DEC10*	04OCT10A	12JAN11	10MAR11	-41	60	15,308.00	10		EA/EC =100 ;
1306-1020	PF Lead & Flag Analysis	129*	30JUL10A	30JUL10A	12JAN11	08FEB11	-19	60	9,453.71	50		EA/EC =60 ;
1306-1030	Fatigue Assessment & DCPS	15	13JAN11	09FEB11	02FEB11	01MAR11	-19	60	9,184.80			EA/EC =60 ;
1306-1040	Calculation Write/Check/File	15	03FEB11	02MAR11	23FEB11	22MAR11	-19	60	9,184.80			EA/EC =60 ;
1306-1040A	Modeling for Inner PF	63*	03MAY10A	03MAY10A	31AUG10A	31AUG10A	0		0.00	100		
1306-1050	Compl CAD Detail and Assembly Dwgs for Inner PF	127*	23AUG10A	23AUG10A	28FEB11	28FEB11	0	10	51,055.48	70		EA/SB =416 ; 2010=00 ;
1306-1055	Inner PF Bundle - Peer review	0				16MAY11*		0	2,328	0.00		
1306-1060	Prepare for FDR	66*	01MAR11	01MAR11	14MAR11	01JUN11	-56	10	2,997.84			EA/SB =24 ;
1306-2010	Generate SOW for Inner PF Conductor	10	11OCT11*	10OCT11*	24OCT11	21OCT11	1	179	0.00			
1306-2020	Prep Spec for Inner PF Conductor	5	25OCT11	24OCT11	31OCT11	28OCT11	1	179	0.00			
1306-2030	Bid/Award - Inner PF Conductor	30	01NOV11	31OCT11	14DEC11	13DEC11	1	179	0.00			
1306-2050	Fab & Deliver Inner PF Conductor	70	15DEC11	14DEC11	29MAR12	28MAR12	1	179	59,856.00			41=46,400 ;
1306-3010	Prep Req for Kapton/Glass Insulation	10	11OCT11*	03OCT11*	24OCT11	14OCT11	6	209	0.00			
1306-3020	Bid/Award Kapton/Glass Insulation	30	25OCT11	17OCT11	07DEC11	29NOV11	6	209	1,380.64			EM//SM =08 ;
1306-3030	Fab & Deliver Kapton/Glass Insulation	50	08DEC11	30NOV11	23FEB12	15FEB12	6	209	28,906.44			41=20,000 ; EM//SM =18 ;
1306-4010	Prep SOW for SS Supp for PF1A/B Coils	20	11OCT11*	03OCT11*	07NOV11	28OCT11	6	169	0.00			
1306-4020	Bid/Award SS Supp for PF1A/B	30	08NOV11	31OCT11	21DEC11	13DEC11	6	169	0.00			
1306-4030	Fab & Deliver SS Supp for PF1A/B	80	22DEC11	14DEC11	19APR12	11APR12	6	169	138,483.20			41=100,000 ; 35=2,000 ; EM//SM =40 ;

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	FY					
											FY11	FY12	FY13	FY14	FY15	FY16
1306-5010	Generate SOW & Spec for Inner PF Coil Fab	15	02APR12*	02APR12*	20APR12	20APR12	0	127	0.00							
1306-5020	Prep Req for Inner PF Fabrication	5	23APR12	23APR12	27APR12	27APR12	0	127	0.00							
1306-5030	Bid/Award Inner PF Fabrication	30	30APR12	30APR12	11JUN12	11JUN12	0	127	0.00							
1306-5050	Fab & Deliver Inner PF Coils	200	02JUL12*	02JUL12*	22APR13	22APR13	0	113	264,841.80							
FY101306	FY10 Actual Cost	100	01DEC09A	01DEC09A	30APR10A	30APR10A	0		57,253.00	100						
FY101306A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		20,513.00							

41=180,000 ; 35=6,000 ;
EM/SM =120 ;

Job: 1307 - CS Casing Assembly -CHRZANOWSKI

1307-1010	Complete CAD Detail & Assy Drawings (Prelim)	104	03MAY10A	03MAY10A	31AUG10A	31AUG10A	0		0.00	100						
1307-1010A	Complete CAD Detail & Assy Drawings (Final)	48	01FEB11*	01FEB11*	07APR11	07APR11	0	10	29,478.76							
1307-1020	Complete Bellow & Ceramic Break Analysis	148*	24JUN10A	24JUN10A	31JAN11	31JAN11	0	1	10,968.05	75						
1307-1030	Complete Halo Loading	133*	16JUL10A	16JUL10A	31JAN11	31JAN11	0	1	14,726.12	90						
1307-1040	Complete-Maintain Heat Balance Cooling Calcs	113*	13AUG10A	13AUG10A	31JAN11	31JAN11	0	1	14,904.34	80						
1307-1050	Integrate Thermal, Halo, Dsir Loads into Calcs	53*	01FEB11	04OCT10A	28FEB11	17DEC10	45	1	15,414.40	50						
1307-1060	Fatigue Assessments	5	01MAR11	20DEC10	07MAR11	03JAN11	45	78	3,853.60							
1307-1150	Prepare for FDR	38*	08APR11	08APR11	15APR11	01JUN11	-32	10	2,997.84							
1307-1155	CS Casing Assembly - Peer review	0				16MAY11*	0	2,328	0.00							
1307-2010	Prep CS Casing SOW & Requisition	20	03JAN12*	03JAN12*	30JAN12	30JAN12	0	221	0.00							
1307-2020	Bid/Award CS Casing Contract	30	31JAN12	31JAN12	12MAR12	12MAR12	0	221	2,580.00							
1307-2030	Fabricate CS Casing	150	25JUN12*	25JUN12*	04FEB13	04FEB13	0	148	307,031.33							
1307-2040	Spec/Requisition Inconel Bellows	20	11OCT11*	03OCT11*	07NOV11	28OCT11	6	219	0.00							
1307-2050	Bid/Award Inconel Bellows	30	08NOV11	31OCT11	21DEC11	13DEC11	6	219	0.00							
1307-2060	Fab & Deliver Inconel Bellows	60	22DEC11	14DEC11	22MAR12	14MAR12	6	219	45,150.00							
1307-2070	Spec/Requisition Rotatable Flanges	20	04SEP12*	04SEP12*	01OCT12	01OCT12	0	291	0.00							
1307-2080	Bid/Award Rotatable Flanges	30	02OCT12	02OCT12	12NOV12	12NOV12	0	291	0.00							
1307-2090	Fab & Deliver Rotatable Flanges	60	01OCT13*	01OCT13*	06JAN14	06JAN14	0	74	23,085.00							
1307-2100	Spec/Requisition CHI Copper Leads U&L	20	01AUG12*	01AUG12*	28AUG12	28AUG12	0	193	0.00							
1307-2110	Bid/Award CHI Copper Leads	30	29AUG12	29AUG12	10OCT12	10OCT12	0	193	0.00							
1307-2120	Fab & Deliver CHI copper Leads U&L	60	11OCT12	11OCT12	15JAN13	15JAN13	0	193	21,120.00							
1307-2130	Spec/Requisition CS Casing Support Structure	20	04SEP12*	04SEP12*	01OCT12	01OCT12	0	261	0.00							
1307-2140	Bid/Award CS Casing Support Structure	30	02OCT12	02OCT12	12NOV12	12NOV12	0	261	0.00							
1307-2150	Fab & Deliver CS Casing Support Structure	80	13NOV12	13NOV12	15MAR13	15MAR13	0	261	39,600.00							

EA/SB =236 ;

EA/EM =60 ;

EA/EM =80 ;

EA/EM =80 ;

EA/EM =80 ;

EA/EM =80 ;

EA/EM =20 ;

EA/SB =24 ;

EA/EM =80 ;

35=2,000 ;

41=230,000 ; 35=5,000 ;

41=35,000 ;

41=17,100 ;

41=16,000 ;

41=30,000 ;

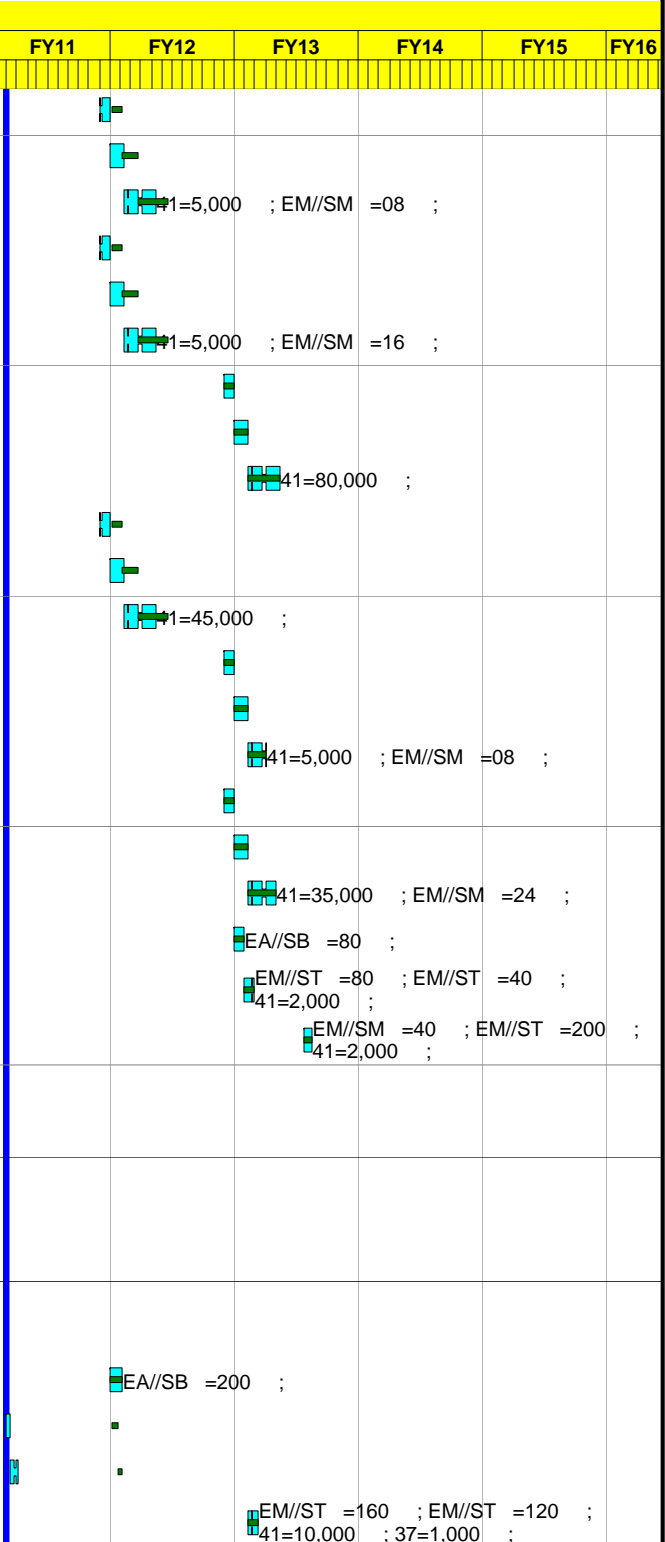
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	FY					
											FY11	FY12	FY13	FY14	FY15	FY16
1307-2160	Spec/Requisition Weld Material	20	11OCT11*	01SEP11*	07NOV11	29SEP11	27	240	0.00							
1307-2170	Bid/Award Weld Material	30	08NOV11	30SEP11	21DEC11	10NOV11		27	240	0.00						
1307-2180	Fab & Deliver Weld Material	60	22DEC11	11NOV11	22MAR12	14FEB12		27	240	7,830.64						
1307-2190	Spec/Requisition Misc M&S	20	11OCT11*	01SEP11*	07NOV11	29SEP11		27	240	0.00						
1307-2200	Bid/Award Misc M&S	30	08NOV11	30SEP11	21DEC11	10NOV11		27	240	0.00						
1307-2210	Fab & deliver Misc M&S	60	22DEC11	11NOV11	22MAR12	14FEB12		27	240	9,211.28						
1307-2220	Spec/requisition Ceramic Insulators	20	04SEP12*	04SEP12*	01OCT12	01OCT12		0	291	0.00						
1307-2230	Bid/Award Creamic Insulators	30	02OCT12	02OCT12	12NOV12	12NOV12		0	291	0.00						
1307-2240	Fab & Deliver Ceramic Insulators	60	13NOV12	13NOV12	15FEB13	15FEB13		0	291	105,600.00						
1307-2250	Spec/Requisition CB SS Structure	20	11OCT11*	01SEP11*	07NOV11	29SEP11		27	210	0.00						
1307-2260	Bid/Award CB SS Structure	30	08NOV11	30SEP11	21DEC11	10NOV11		27	210	0.00						
1307-2270	Fab & Deliver CB SS Structure	60	22DEC11	11NOV11	22MAR12	14FEB12		27	210	58,050.00						
1307-2280	30Spec/Requisition Viton O Rings	20	04SEP12*	04SEP12*	01OCT12	01OCT12		0	321	0.00						
1307-2290	Bid/Award Viton O Rings	30	02OCT12	02OCT12	12NOV12	12NOV12		0	321	0.00						
1307-2300	Fab & Deliver Viton O Rings	30	13NOV12	13NOV12	04JAN13	04JAN13		0	321	8,012.64						
1307-2310	Spec/Requisition Organ Pipe Adapters & Feedthrus	20	04SEP12*	04SEP12*	01OCT12	01OCT12		0	180	0.00						
1307-2320	Bid/Award Organ Pipe Adapters & Feedthrus	30	02OCT12	02OCT12	12NOV12	12NOV12		0	180	0.00						
1307-2330	Fab & Deliver Organ Pipe Adapters & Feedthrus	50	13NOV12	13NOV12	01FEB13	01FEB13		0	180	50,437.92						
1307-2340	Design Stud Installation Fixture	20	03OCT12*	03OCT12*	30OCT12	30OCT12		0	219	11,188.80						
1307-2350	Fabricate Fixture for Stud Installation	20	31OCT12	31OCT12	29NOV12	29NOV12		0	219	15,969.60						
1307-3010	Assemble & Test Ceramic Breaks incl PF1C Coil	20	23APR13	23APR13	20MAY13	20MAY13		0	225	31,919.20						
FY101307	FY10 Actual Cost	100	01DEC09A	01DEC09A	30APR10A	30APR10A		0		55,426.00	100					
FY101307A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		0		19,421.00						

Job: 1310 - CSU Magnet Systems-CHRZANOWSKI

FY101310	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A		0		441,918.00	100				
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Job: 1302 - Center Stack Assembly-CHRZANOWSKI

1302-0050	CAD Support for Setup of CS Assembly Area	25	03OCT11*	03OCT11*	04NOV11	04NOV11		0	404	27,396.00					
1302-0060	Generate CS Assembly Procedure	10	11OCT11	01DEC10	24OCT11	14DEC10		215	658	0.00					
1302-0070	Generate CS Installation Procedure	10	25OCT11	15DEC10	07NOV11	05JAN11		215	668	0.00					
1302-0080	Modify CS Assembly Fixture	20	12NOV12	12NOV12	11DEC12	11DEC12		0	180	45,302.40					



Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY11 FY12 FY13 FY14 FY15 FY16						
											Gantt Chart						
1302-0090	Setup CS Assembly Area	30	01OCT12*	01OCT12*	09NOV12	09NOV12	0	180	81,642.72		EM//SM =24 ; EM//ST =360 ; EM//ST =200 ; 41=10,000 ; 37=2,000 ;						
1302-0150	Receive OH/TF Assembly	1	24SEP13	24SEP13	24SEP13	24SEP13	0	17	0.00								
1302-0160	Receive Inner PF Coils	1	23APR13*	23APR13*	23APR13	23APR13	0	113	0.00								
1302-0170	Perf Accept Elect & Hydr test on PF Coils	5	24APR13	24APR13	30APR13	30APR13	0	113	6,903.84		EM//SM =24 ; EM//ST =24 ;						
1302-0180	Wrap PF1A Coil with Microtherm	5	01MAY13	01MAY13	07MAY13	07MAY13	0	113	4,443.20		EM//ST =40 ;						
1302-0200	Receive CS Vacuum Casing	1	05FEB13	05FEB13	05FEB13	05FEB13	0	148	0.00								
1302-0210	Install Inconel Weld Studs on Casing Wall	20	06FEB13	06FEB13	05MAR13	05MAR13	0	148	27,159.20		EM//ST =240 ; 37=500 ;						
1302-0220	Mount Upper & Lower PF1B Coils to CS Casing	10	06MAR13	06MAR13	19MAR13	19MAR13	0	148	15,995.52		EM//ST =144 ;						
1302-1500	Assemble CS (OH Diag, Microtherm, Casing PFCs)	120	01OCT13*	01OCT13*	31MAR14	31MAR14	0	13	726,313.00		EM//SM =690 ; EM//ST =4,320 ; 41=70,000 ; 37=10,000 ;						
1302-1550	Deliver CS to NTC	1	01APR14	01APR14	01APR14	01APR14	0	13	0.00								
1302-1600	Tear Down Assembly Area	20	01APR14	01APR14	28APR14	28APR14	0	108	54,901.92		EM//SM =24 ; EM//ST =360 ; EM//ST =80 ;						
Job: 2300 - Other Analysis-TITUS																	
2300-0011	Run Other GRD disruptions for the HHFW antenna	155*	01JUN10A	01JUN10A	31AUG10A	17JAN11	-90	4	0.00	50	EA//EM =000 ;						
2300-0012	Updat HHFW Antenna	155*	01JUN10A	01JUN10A	31AUG10A	17JAN11	-90	4	0.00	50	EA//EM =00 ;						
2300-0013	Maintain/Update Diagnostic Database	66	01JUN10A	01JUN10A	31AUG10A	31AUG10A	0	0	0.00	100							
2300-0014	File Preliminary Database/Study	66	01JUN10A	01JUN10A	31AUG10A	31AUG10A	0	0	0.00	100							
2300-0015	Check/Complete Disruption and Thermal Analyses	117*	01SEP10A	01SEP10A	01MAR11	23FEB11	4	4	18,887.67	15	EA//EM =100 ;						
2300-0016	Present/track recommendations	117*	01SEP10A	01SEP10A	01MAR11	23FEB11	4	4	18,887.67	5	EA//EM =100 ;						
2300-0018	FDR Prep	65	29OCT10	24FEB11	01MAR11	25MAY11	-61	4	19,268.00		EA//EM =100 ;						
2300-0018A	Other Analysis - Peer review	0				16MAY11*		2,328	0.00		▼						
2300-0019	CONDUCT FDR	10	02MAR11	26MAY11	29MAR11*	09JUN11*	-51	4	3,853.60		EM//EC =20 ;						
FY102300	FY10 Actual Cost	22	01APR10A	01APR10A	30APR10A	30APR10A	0		3,904.00	100							
FY102300A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		19,255.00								
Job: 2420 - 2nd NBI Sources-CROPPER																	
Design																	
24200020	PDR Prep PPL	26	17MAY10A	17MAY10A	22JUN10A	22JUN10A	0		0.00	100							
24200050	CONDUCT PDR	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A	0		0.00	100							
24200059	Peer Review	0			31MAR11	31MAR11	0	53	0.00		▼						
24200060	FDR Prep PPL	20	02JUN11	16MAY11*	29JUN11	13JUN11	12	1	2,485.12		EE//SM =16 ;						
24200090	CONDUCT FDR	1	30JUN11	14JUN11	30JUN11	14JUN11	12	1	1,242.56		EE//SM =08 ;						

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't							
											FY11	FY12	FY13	FY14	FY15	FY16	
Procure, Fab & Assembly																	
24200100	Prep Requisition and procurement package	5	15MAY13*	15MAY13*	21MAY13	21MAY13		0	20	6,956.40							
24200110	SUBMIT REQ TO PROCUREMENT	1	22MAY13	22MAY13	22MAY13	22MAY13		0	20	1,391.28							
24200120	Procurement lead time (1)	15	23MAY13	23MAY13	13JUN13	13JUN13		0	20	0.00							
24200130	AWARD	1	14JUN13	14JUN13	14JUN13	14JUN13		0	20	0.00							
24200150	Fabricate or delivery	40	17JUN13	17JUN13	13AUG13	13AUG13		0	20	87,120.00							
24200160	Refurbish Source A	80	14AUG13	14AUG13	06DEC13	06DEC13		0	20	303,511.18							
24200170	Refurbish Source B	80	09DEC13	09DEC13	09APR14	09APR14		0	20	307,667.20							
24200180	Refurbish Source C	80	10APR14	10APR14	01AUG14	01AUG14		0	20	307,667.20							
24200200	Build Probe tips (10 Long, 20 short)	60	08MAY14	08MAY14	01AUG14	01AUG14		0	41	75,669.68							
Job: 2425 - BL Relocation-DENAULT																	
Design																	
2425-0017	Design Drawings	24	03MAY10A	03MAY10A	04JUN10A	04JUN10A		0		0.00	100						
2425-0018	PDR Prep	11	07JUN10A	07JUN10A	21JUN10A	21JUN10A		0		0.00	100						
2425-0019	CONDUCT PDR	2	22JUN10A	22JUN10A	23JUN10A	23JUN10A		0		0.00	100						
2425-0020	Layman Review	5	10AUG10A	10AUG10A	16AUG10A	16AUG10A		0		0.00	100						
2425-0023	Disposition PDR Chits	2	24JUN10A	24JUN10A	25JUN10A	25JUN10A		0		0.00	100						
2425-0024	Design Drawings	89*	01OCT10A	01OCT10A	01MAR11	14FEB11		11	1	17,041.40	15						
2425-0025	Update Analyses	89*	01OCT10A	01OCT10A	28FEB11	14FEB11		10	1	21,742.80	15						
2425-0027A	Peer Review	0			31MAR11	31MAR11		0	53	0.00							
2425-0026	Update Cost & Schedule Estimate	30	01MAR11	15FEB11	11APR11	28MAR11		10	1	6,328.40							
2425-0027	Prep Procurement Specs	30	12APR11	29MAR11	23MAY11	09MAY11		10	1	6,328.40							
2425-0028	FDR Prep	23	24MAY11	10MAY11	24JUN11	10JUN11		10	1	6,328.40							
2425-0029	CONDUCT FDR 2425	2	27JUN11	13JUN11	28JUN11	14JUN11		10	1	2,531.36							
Procure, Fab & Assembly																	
2425-0033	Prep Requisition and procurement pckg-Steel & Parts	1	01OCT12*	01OCT12*	01OCT12	01OCT12		0	165	0.00							
2425-0034	SUBMIT REQ TO PROCUREMENT - Steel and Parts	1	02OCT12	02OCT12	02OCT12	02OCT12		0	165	0.00							
2425-0035	Procurement lead time (1) - Steel and Parts	30	03OCT12	03OCT12	13NOV12	13NOV12		0	165	0.00							
2425-0036	AWARD - Steel and Parts	1	14NOV12	14NOV12	14NOV12	14NOV12		0	165	0.00							
2425-0037	Fabricate or delivery - Steel and Parts	30	15NOV12	15NOV12	08JAN13	08JAN13		0	165	63,360.00							
2425-0039	Prep Requisition and procurement pckg - Lifting	2	01OCT12*	01OCT12*	02OCT12	02OCT12		0	176	0.00							
2425-0040	SUBMIT REQ TO PROCUREMENT - Lifting Equipment	1	03OCT12	03OCT12	03OCT12	03OCT12		0	176	0.00							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	FY						
											FY11	FY12	FY13	FY14	FY15	FY16	
2425-0041	Procurement lead time (1) - Lifting Equipment	30	04OCT12	04OCT12	14NOV12	14NOV12	0	176	0.00								
2425-0042	AWARD - Lifting Equipment	1	15NOV12	15NOV12	15NOV12	15NOV12	0	176	0.00								
2425-0043	Fabricate or delivery - Lifting Equipment	30	16NOV12	16NOV12	09JAN13	09JAN13	0	176	26,400.00								
Installation																	
2425-0055	Engineering 1 Days Per Week title III	325	02APR13*	02APR13*	22JUL14	22JUL14	0	30	112,618.48								
2425-0056	Engineering Support .Days Per Weektitle III	325	02APR13	02APR13	22JUL14	22JUL14	0	30	40,502.30								
2425-0057	Drafting Support .5 day/week title III	325	02APR13	02APR13	22JUL14	22JUL14	0	30	34,285.56								
2425-0058	Test Cell Maintenance	248	01OCT12*	01OCT12*	30SEP13	30SEP13	0	229	71,675.00								
2425-0060	Road - Path	5	01APR13*	01APR13*	05APR13	05APR13	0	107	24,836.00								
2425-0061	Duct Removal - Path	2	08APR13	08APR13	09APR13	09APR13	0	107	9,934.40								
2425-0062	Lintel Removal - Path	3	10APR13	10APR13	12APR13	12APR13	0	107	17,822.56								
2425-0063	Lintel Install - Path	2	15APR13	15APR13	16APR13	16APR13	0	107	12,855.36								
2425-0064	Duct Install - Path	2	17APR13	17APR13	18APR13	18APR13	0	107	35,014.40								
2425-0068	Setup - Metrology	5	19APR13	19APR13	25APR13	25APR13	0	107	23,057.60								
2425-0069	Measure - Metrology	15	26APR13	26APR13	16MAY13	16MAY13	0	107	138,345.60								
2425-0070	Model - Metrology	5	17MAY13	17MAY13	23MAY13	23MAY13	0	107	36,548.80								
2425-0071	Lay out - Metrology	5	24MAY13	24MAY13	31MAY13	31MAY13	0	107	27,017.60								
2425-0073	Labyrinth Removal	20	01MAY13*	01MAY13*	29MAY13	29MAY13	0	108	84,578.88								
2425-0076	Construction - Lift Fixtures	20	09APR13*	09APR13*	06MAY13	06MAY13	0	113	92,918.40								
2425-0077	Load Test - Lift Fixtures	5	07MAY13	07MAY13	13MAY13	13MAY13	0	113	27,478.40								
2425-0078	Move - Lift Fixtures	1	14MAY13	14MAY13	14MAY13	14MAY13	0	113	2,665.92								
2425-0079	Trial Runs - Lift Fixtures	5	15MAY13	15MAY13	21MAY13	21MAY13	0	113	27,478.40								
Relocate HVE																	
2425-0123	Move - HVE 1 Movement	2	20MAY13*	20MAY13*	21MAY13	21MAY13	0	71	11,351.52								
2425-0124	Disassemble - HVE 1 Movement	2	22MAY13	22MAY13	23MAY13	23MAY13	0	71	9,934.40								
2425-0125	Move to Crain Access - HVE 1 Movement	2	24MAY13	24MAY13	28MAY13	28MAY13	0	71	9,934.40								
2425-0126	Lift into TFTR - HVE 1 Movement	1	29MAY13	29MAY13	29MAY13	29MAY13	0	71	4,967.20								
2425-0127	Move In - HVE 1 Movement	1	30MAY13	30MAY13	30MAY13	30MAY13	0	71	4,967.20								
2425-0128	Over Wall - HVE 1 Movement	2	31MAY13	31MAY13	03JUN13	03JUN13	0	71	11,711.68								
2425-0129	Reassemble - HVE 1 Movement	2	04JUN13	04JUN13	05JUN13	05JUN13	0	71	9,934.40								
2425-0130	Placement - HVE 1 Movement	3	06JUN13	06JUN13	10JUN13	10JUN13	0	71	16,221.60								

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	FY16
2425-0133	Move - HVE 2 Movement	2	11JUN13	11JUN13	12JUN13	12JUN13	0	71	11,351.52					EM//EM =08 ; EM//SM =16 ; EM//ST =64 ;		
2425-0134	Disassemble - HVE 2 Movement	2	13JUN13	13JUN13	14JUN13	14JUN13	0	71	9,934.40					EM//SM =16 ; EM//ST =64 ;		
2425-0135	Move to Crain Access - HVE 2 Movement	2	17JUN13	17JUN13	18JUN13	18JUN13	0	71	9,934.40					EM//SM =16 ; EM//ST =64 ;		
2425-0136	Lift into TFTR - HVE 2 Movement	1	19JUN13	19JUN13	19JUN13	19JUN13	0	71	4,967.20					EM//SM =08 ; EM//ST =32 ;		
2425-0137	Move In - HVE 2 Movement	1	20JUN13	20JUN13	20JUN13	20JUN13	0	71	4,967.20					EM//SM =08 ; EM//ST =32 ;		
2425-0138	Over Wall - HVE 2 Movement	2	21JUN13	21JUN13	24JUN13	24JUN13	0	71	11,711.68					EM//SM =16 ; EM//ST =80 ;		
2425-0139	Reassemble - HVE 2 Movement	2	25JUN13	25JUN13	26JUN13	26JUN13	0	71	9,934.40					EM//SM =16 ; EM//ST =64 ;		
2425-0140	Placement - HVE 2 Movement	3	27JUN13	27JUN13	01JUL13	01JUL13	0	71	16,221.60					EM//SM =24 ; EM//ST =96 ; 41=1,000 ;		
2425-0143	Move - HVE 3 Movement	2	02JUL13	02JUL13	03JUL13	03JUL13	0	71	11,351.52					EM//EM =08 ; EM//SM =16 ; EM//ST =64 ;		
2425-0144	Disassemble - HVE 3 Movement	2	08JUL13	08JUL13	09JUL13	09JUL13	0	71	9,934.40					EM//SM =16 ; EM//ST =64 ;		
2425-0145	Move to Crain Access - HVE 3 Movement	2	10JUL13	10JUL13	11JUL13	11JUL13	0	71	9,934.40					EM//SM =16 ; EM//ST =64 ;		
2425-0146	Lift into TFTR - HVE 3 Movement	1	12JUL13	12JUL13	12JUL13	12JUL13	0	71	4,967.20					EM//SM =08 ; EM//ST =32 ;		
2425-0147	Move In - HVE 3 Movement	1	15JUL13	15JUL13	15JUL13	15JUL13	0	71	4,967.20					EM//SM =08 ; EM//ST =32 ;		
2425-0148	Over Wall - HVE 3 Movement	2	16JUL13	16JUL13	17JUL13	17JUL13	0	71	11,711.68					EM//SM =16 ; EM//ST =80 ;		
2425-0149	Reassemble - HVE 3 Movement	2	18JUL13	18JUL13	19JUL13	19JUL13	0	71	9,934.40					EM//SM =16 ; EM//ST =64 ;		
2425-0150	Placement - HVE 3 Movement	3	22JUL13	22JUL13	24JUL13	24JUL13	0	71	14,901.60					EM//SM =24 ; EM//ST =836 ; 41=7,000 ;		
2425-0155	Install HVE Hilti (LOE)	45	20MAY13	20MAY13	24JUL13	24JUL13	0	71	5,763.20		LOE			EM//SM =0 ; EM//SB =40 41=1,000 ;		
2425-0160	Remove / Reinstall Floor Plug (LOE)	45	20MAY13	20MAY13	24JUL13	24JUL13	0	71	26,176.00		LOE			EM//SM =0 ; EM//SB =200 41=3,000 ;		
Relocate Beamline **TC LIMITED ACCESS**																
2425-0081	BEGIN BEAMLINE RELOCATION TO NTC	0	18OCT13	17OCT13			1	11	0.00							
2425-0082	Lift onto Rollers - Box Movements	1	18OCT13	17OCT13	18OCT13	17OCT13	1	11	34,807.04					EM//EM =152 ; EM//SM =08 EM//ST =48 ;		
2425-0083	Move IN - Box Movements	1	21OCT13	18OCT13	21OCT13	18OCT13	1	11	8,434.88					EM//EM =08 ; EM//SM =08 EM//ST =48 ;		
2425-0084	Over Wall - Box Movements	1	22OCT13	21OCT13	22OCT13	21OCT13	1	11	8,434.88					EM//EM =08 ; EM//SM =08 EM//ST =48 ;		
2425-0085	Placement - Box Movements	10	23OCT13	22OCT13	05NOV13	04NOV13	1	11	84,348.80					EM//EM =80 ; EM//SM =80 EM//ST =480 ;		
2425-0086	Metrology - Box Movements	10	06NOV13	05NOV13	19NOV13	18NOV13	1	11	63,800.00					EM//EM =80 ; EM//SM =80 EM//ST =160 ; 41=12,000 ;		
2425-0089	Off - Source Platform	1	20NOV13*	19NOV13*	20NOV13	19NOV13	1	11	4,213.60					EM//SM =08 ; EM//ST =24 ;		
2425-0090	Move - Source Platform	1	21NOV13	20NOV13	21NOV13	20NOV13	1	11	3,294.88					EM//SM =08 ; EM//ST =16 ;		
2425-0091	Lift - Source Platform	1	22NOV13	21NOV13	22NOV13	21NOV13	1	11	5,132.32					EM//SM =08 ; EM//ST =32 ;		
2425-0092	On - Source Platform	1	25NOV13	22NOV13	25NOV13	22NOV13	1	11	5,132.32					EM//SM =08 ; EM//ST =32 ;		
2425-0093	Metrology - Source Platform	10	26NOV13	25NOV13	11DEC13	10DEC13	1	11	87,375.60					EM//EM =160 ; EM//SM =80 EM//ST =320 ; 41=5,000 ;		

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpltd	FY11	FY12	FY13	FY14	FY15	FY16
2425-0097	Stabilize - Lid Movement	3	12DEC13	11DEC13	16DEC13	13DEC13	1	11	22,548.48		EM//EM =24 ; EM//SM =24 ;					
2425-0098	Lift onto Rollers - Lid Movement	1	17DEC13	16DEC13	17DEC13	16DEC13	1	11	8,434.88		EM//ST =120 ;					
2425-0099	Move IN - Lid Movement	1	18DEC13	17DEC13	18DEC13	17DEC13	1	11	8,434.88		EM//EM =08 ; EM//SM =08 ;					
2425-0100	Over Wall - Lid Movement	1	19DEC13	18DEC13	19DEC13	18DEC13	1	11	8,434.88		EM//ST =48 ;					
2425-0101	Placement - Lid Movement	1	20DEC13	19DEC13	20DEC13	19DEC13	1	11	4,760.00		EM//EM =08 ; EM//SM =08 ;					
2425-0102	Metrology - Lid Movement	1	02JAN14	20DEC13	02JAN14	20DEC13	1	11	19,350.00		EM//ST =48 ;					
2425-0106	90in Flange - Component Movement	2	03JAN14	02JAN14	06JAN14	03JAN14	1	11	10,264.64		EM//EM =16 ; EM//SM =08 ;					
2425-0107	Magnet - Component Movement	2	07JAN14	06JAN14	08JAN14	07JAN14	1	11	11,729.76		EM//ST =48 ; 41=7,000 ;					
2425-0108	Ion Dump - Component Movement	2	09JAN14	08JAN14	10JAN14	09JAN14	1	11	11,729.76		EM//SM =16 ; EM//ST =64 ;					
2425-0109	Exit Spool - Component Movement	2	13JAN14	10JAN14	14JAN14	13JAN14	1	11	10,264.64		EM//EM =08 ; EM//SM =16 ;					
2425-0110	TIV - Component Movement	2	15JAN14	14JAN14	16JAN14	15JAN14	1	11	10,264.64		EM//ST =64 ;					
2425-0111	Calorimeter - Component Movement	2	17JAN14	16JAN14	20JAN14	17JAN14	1	11	17,129.76		EM//EM =08 ; EM//SM =16 ;					
2425-0112	BEAMLINE AND COMPONENTS INSTALLED IN NTC	0			20JAN14	17JAN14	1	11	0.00		EM//ST =64 ; 41=4,000 ;					
Relocate Sources																
2425-0115	Move 1 - Source Movement	2	21JAN14	20JAN14	22JAN14	21JAN14	1	146	10,264.64		EM//SM =16 ; EM//ST =64 ;					
2425-0116	Align 1 - Source Movement	4	23JAN14	22JAN14	28JAN14	27JAN14	1	146	32,250.24		EM//EM =64 ; EM//SM =32 ;					
2425-0117	Move 2 - Source Movement	2	10APR14	10APR14	11APR14	11APR14	0	94	10,264.64		EM//ST =128 ;					
2425-0118	Align 2 - Source Movement	4	14APR14	14APR14	17APR14	17APR14	0	94	32,250.24		EM//SM =16 ; EM//ST =64 ;					
2425-0119	Move 3 - Source Movement	2	04AUG14	04AUG14	05AUG14	05AUG14	0	20	10,264.64		EM//EM =64 ; EM//SM =32 ;					
2425-0120	Align 3 - Source Movement	4	06AUG14	06AUG14	11AUG14	11AUG14	0	20	37,650.24		EM//ST =128 ; 41=4,000 ;					
FY092425	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		15,023.00	100						
FY102425	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A	0		19,729.00	100						
FY102435A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		6,165.00							
Job: 2430 - 2nd NBI Decontamination-STEVENSON																
24300230	Decon Calorimeter	30	01OCT09A	01OCT09A	11NOV09A	11NOV09A	0		0.00	100						
24300240	Decon Ion Dump	42	03MAY10A	03MAY10A	30JUN10A	30JUN10A	0		0.00	100						
24300260	Decon Bending Magnet	25	26MAY10A	26MAY10A	30JUN10A	30JUN10A	0		0.00	100						
24300280	Decon 90 inch flange & neutralizer	63	03MAY10A	03MAY10A	30JUL10A	30JUL10A	0		0.00	100						
24300300	Decon Exit Spool Piece	36*	01SEP10A	01SEP10A	30SEP10A	30SEP10A	0		97,606.20	100						

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	FY16
24300310	Decon BL Lid	9	18JUN10A	18JUN10A	30JUN10A	30JUN10A	0		0.00	100						
24300370	Decon BL Box	11	13AUG10A	13AUG10A	27AUG10A	27AUG10A	0		0.00	100						
24300380	Decon BL exterior & accoutrements	49*	13AUG10A	13AUG10A	30SEP10A	30SEP10A	0		68,755.45	100						
24300390	Decon Program Evaluation/Operation Impact Report	10	01SEP10A	01SEP10A	30SEP10A	30SEP10A	0		0.00	100						
24300399	DECON COMPLETE	0			21OCT10A	21OCT10A	0		0.00	100						
24300400	Decon Procurement Support - Material & Supplies	121*	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		92,040.00	100						
FY092430	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		1,238,513.00	100						
FY102430	FY10 Actual Cost	143	01OCT09A	01OCT09A	30SEP10A	30SEP10A	0		542,135.00	100						
FY112430	FY10 Actual Cost	143	01OCT10A	01OCT10A	29OCT10A	29OCT10A	0		18,000.00	100						

Job: 2440 - 2nd NBI Beamline-DENAULT

Procure, Fab & Assembly

2440-0001	Begin refurbishment job parts list	80*	01OCT10*	01OCT10A	01FEB11	01FEB11	0	170	6,212.80	50	EE//SM =40 ;
2440-0002	Prepare drawings	600*	01OCT10*	01OCT10A	01MAR13	01MAR13	0	170	44,155.30	20	EA//ES =480 ;
2440-0002A	Engineering Supervision (LOE)	599*	01OCT10*	01OCT10A	26APR13	28FEB13	41	171	161,013.17	LOE	EM//EM =960 ;
2440-0004	Ion Dump parts	90	03OCT11*	03OCT11*	15FEB12	15FEB12	0	60	2,580.00		41=2,000 ;
2440-0012	Ion Dump TC wiring	103	01AUG11*	01AUG11*	03JAN12	03JAN12	0	91	37,311.22		EM//ST =160 ; EE//TB =160 ; 41=5,000 ;
2440PEER	Peer Review	0			31MAR11	31MAR11	0	53	0.00		
2440-0003	Calorimeter parts	90	14DEC11	13DEC11	25APR12	24APR12	1	11	1,290.00		41=1,000 ;
2440-0005	Magnet parts	90	29NOV12	28NOV12	12APR13	11APR13	1	11	660.00		41=500 ;
2440-0006	90 inch flange and neutralizer parts	90	16OCT12	15OCT12	01MAR13	28FEB13	1	11	1,320.00		41=1,000 ;
2440-0007	Exit spool piece parts	90	07JAN13	04JAN13	10MAY13	09MAY13	1	11	6,600.00		41=5,000 ;
2440-0008	BL Lid parts	90	06AUG12	03AUG12	12DEC12	11DEC12	1	11	1,568.00		41=1,200 ;
2440-0009	BL Box parts	90	24MAY12	23MAY12	01OCT12	28SEP12	1	11	5,160.00		41=4,000 ;
2440-0011	Calorimeter TC wiring	115	07NOV11	04NOV11	25APR12	24APR12	1	11	45,034.40		EM//ST =160 ; EE//TB =160 ; 41=10,000 ;
2440-0013	Magnet TC wiring	78	17DEC12	14DEC12	12APR13	11APR13	1	11	35,451.20		EM//ST =160 ; EE//TB =160 ; 41=2,000 ;
2440-0014	90 inch flange and neutralizer TC wiring	48	17DEC12	14DEC12	01MAR13	28FEB13	1	11	35,451.20		EM//ST =160 ; EE//TB =160 ; 41=2,000 ;
2440-0015	Exit spool piece TC wiring (refurb & relocate)	98	17DEC12	14DEC12	10MAY13	09MAY13	1	11	35,451.20		EM//ST =160 ; EE//TB =160 ; 41=2,000 ;

Refurbishment

2440-0017A	Radiation Supplies (M&S) (LOE)	635*	01NOV10*	01NOV10A	20MAY13	20MAY13	0	114	321,649.61	LOE	41=250,000 ;
2440-0017B	Test Cell Maintenance (LOE)	500*	01NOV10*	01NOV10A	30OCT12	30OCT12	0	249	131,251.04	LOE	41=3,000 ; EM//SB=1000
2440-0028	Refurbish Ion Dump	331	03JAN11*	03JAN11*	24APR12	24APR12	0	11	279,590.11		EE//SM =480 ; EE//TB =1,920 ; 41=1,000 ;

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY11 FY12 FY13 FY14 FY15 FY16						
2440-0030	Refurbish Calorimeter	173	15AUG11*	15AUG11*	25APR12	24APR12	1	11	269,368.99			EM//EM =160 ; EE//SM =320 ; EE//TB =1,280 ; EM//ST =200 ; 41=40,000 ;					
2440-0018	Refurbish BL Box	110	26APR12*	25APR12*	01OCT12	28SEP12	1	11	87,454.80			EE//SM =160 ; EE//TB =640 ; 41=1,000 ;					
2440-0020	Refurbish BL Lid	50	02OCT12	01OCT12	12DEC12	11DEC12	1	11	91,939.20			EE//SM =160 ; EE//TB =640 ; 41=3,000 ;					
2440-0022	Refurbish 90 inch flange and neutralizer	50	13DEC12	12DEC12	01MAR13	28FEB13	1	11	178,598.40			EE//SM =320 ; EE//TB =1,280 ; 41=2,000 ;					
2440-0024	Refurbish Bending Magnet	30	04MAR13	01MAR13	12APR13	11APR13	1	11	89,299.20			EE//SM =160 ; EE//TB =640 ; 41=1,000 ;					
2440-0026	Refurbish spool piece	20	15APR13	12APR13	10MAY13	09MAY13	1	11	178,598.40			EE//SM =320 ; EE//TB =1,280 ; 41=2,000 ;					
2440-0031	Modify to New style	50	13MAY13	10MAY13	24JUL13	23JUL13	1	11	233,556.00			EM//EM =150 ; EE//TB =1,500 ; 41=50,000 ;					
2440-0033	Reassembly & Test & relocate	60	25JUL13	24JUL13	17OCT13	16OCT13	1	11	265,724.16			EE//SM =480 ; EE//TB =1,920 ;					

FY092440	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		28,566.00	100	
FY102440	FY10 Actual Cost	100	01DEC09A	01DEC09A	30APR10A	30APR10A	0		5,908.00	100	
FY102440A	FY10 Actual Cost	1	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		6,131.00		

Job: 2450 - 2nd NBI Services-DENAULT

Design

2450-0017	Design Drawings	25	03MAY10A	03MAY10A	07JUN10A	07JUN10A	0		0.00	100	
2450-0018	PDR Prep	10	23JUN10A	23JUN10A	24JUN10A	24JUN10A	0		0.00	100	
2450-0019	CONDUCT PDR	2	22JUN10A	22JUN10A	23JUN10A	23JUN10A	0		0.00	100	
2450-0020	Lehman Review	5	10AUG10A	10AUG10A	16AUG10A	16AUG10A	0		0.00	100	
2450-0022	Disposition PDR Chits	2	24JUN10A	24JUN10A	25JUN10A	25JUN10A	0		0.00	100	
2450-0023	Design Drawings	87*	01OCT10A	01OCT10A	10FEB11	10FEB11	0	4	23,957.00	20	
2450-0024	Update Analyses	5	11FEB11	11FEB11	17FEB11	17FEB11	0	4	21,742.80		
2450-0025	Update Cost & Schedule Estimate	7	18FEB11	18FEB11	28FEB11	28FEB11	0	4	12,656.80		
2450-0026	Prep Procurement Specs	10	01MAR11	01MAR11	14MAR11	14MAR11	0	4	12,656.80		
2450-PEER	Peer Review	0			31MAR11	31MAR11	0	53	0.00		
2450-0027	FDR Prep	15	15JUN11	17MAY11	28JUN11	07JUN11	15	4	12,656.80		
2450-0028	CONDUCT FDR 2450	2	29JUN11	08JUN11	30JUN11	09JUN11	15	4	2,531.36		

Procure, Fab & Assembly

2450-0032	Prep Requisition & procurement pckg - Cyro parts	1	15MAY13*	15MAY13*	15MAY13	15MAY13	0	24	0.00		
2450-0033	SUBMIT REQ TO PROCUREMENT - Cyro parts	1	16MAY13	16MAY13	16MAY13	16MAY13	0	45	0.00		
2450-0034	Procurement lead time (1) - Cyro parts	30	17MAY13	17MAY13	28JUN13	28JUN13	0	45	0.00		
2450-0035	AWARD - Cyro parts	1	01JUL13	01JUL13	01JUL13	01JUL13	0	45	0.00		

	EM//EM =20 ; EA//ES =80 ; EE//EM =80 ;
	EM//EM =40 ; EAA//EM =80 ;
	EM//EM =80 ;
	EM//EM =80 ;
	EM//EM =80 ;
	EM//EM =16 ;

Activity ID	Activity Description	Work Days	BASELINE	Forecast	BASELINE	Forecast	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY11	FY12	FY13	FY14	FY15	FY16
			START	Start	FINISH	Finish										
2450-0036	Fabricate or delivery - Cyro parts	90	02JUL13	02JUL13	07NOV13	07NOV13	0	45	265,866.67							
2450-0038	Prep Requisitn & procuremnt pckg - Pipe & misc.	2	15MAY13*	15MAY13*	16MAY13	16MAY13	0	24	0.00							
2450-0039	SUBMIT REQ TO PROCUREMENT - Pipe & misc.	1	17MAY13	17MAY13	17MAY13	17MAY13	0	24	0.00							
2450-0040	Procurement lead time (1) - Pipe & misc.	30	20MAY13	20MAY13	01JUL13	01JUL13	0	24	0.00							
2450-0041	AWARD - Pipe & misc.	1	02JUL13	02JUL13	02JUL13	02JUL13	0	24	0.00							
2450-0042	Fabricate or delivery - Pipe & misc.	65	03JUL13	03JUL13	04OCT13	04OCT13	0	24	641,095.38							
2450-0053A	Engineering for 2nd NBI Services	356	15MAR13*	15MAR13*	18AUG14	18AUG14	0	30	457,664.43							
2450-0053B	Engineering Support for 2nd NBI Services	356	15MAR13	15MAR13	18AUG14	18AUG14	0	30	107,069.66							
2450-0053C	Drafting Support for 2nd NBI Services	356	15MAR13	15MAR13	18AUG14	18AUG14	0	30	114,210.07							
2450-0056	Install Penetrations	80	01JUN12*	01JUN12*	24SEP12	24SEP12	0	245	119,385.00							
2450-0057	Helium Transfer Lines	160	01AUG13*	01AUG13*	27MAR14	27MAR14	0	35	462,686.30							
2450-0059	Nitrogen Transfer Lines	120	31JAN14*	31JAN14*	21JUL14	21JUL14	0	35	188,429.70							
2450-0061	SF6 Transfer Lines	30	31JAN14*	31JAN14*	13MAR14	13MAR14	0	125	71,074.11							
2450-0063	HVE Water Lines	65	31JAN14*	31JAN14*	01MAY14	01MAY14	0	90	186,972.15							
2450-0065	Ion Dump Water Lines	175	07OCT13*	07OCT13*	23JUN14	23JUN14	0	24	434,324.95							
2450-0067	Ion Source Water Lines	130	07OCT13*	07OCT13*	18APR14	18APR14	0	69	310,648.55							
2450-0074	Vacuum Lines	30	24JUN14*	24JUN14*	05AUG14	05AUG14	0	24	88,868.12							
2450-0085	Stack 8 Vacuum Lines	30	07OCT13*	07OCT13*	15NOV13	15NOV13	0	199	54,837.20							
2450-0093	Gas System	23	07OCT13*	07OCT13*	06NOV13	06NOV13	0	206	50,948.02							
2450-0097	Legs	12	01OCT13*	01OCT13*	16OCT13	16OCT13	0	221	58,947.46							
2450-0099	HVAC	70	01OCT13*	01OCT13*	20JAN14	20JAN14	0	163	31,818.00							
2450-0102	Platform Mods	70	21JAN14*	20JAN14*	28APR14	25APR14	1	14	519,198.30							
2450-0103	NBI SERVICES COMPLETE	0			05AUG14	05AUG14	0	24	0.00							
FY092450	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		76,722.00	100						
FY102450	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A	0		122,550.00	100						
FY102450A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		66,728.00							
Job: 2460 - 2nd NBI Armor-PRINISKI																
FY102460A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		84,622.00							
2460-0016	Armor Service Connection (Bay H)	10	06JUL10A	06JUL10A	19JUL10A	19JUL10A	0		0.00	100						

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl						
											FY11	FY12	FY13	FY14	FY15	FY16
2460-0018	PDR Prep - NBI Armor	36	03MAY10A	03MAY10A	22JUN10A	22JUN10A	0		0.00	100						
2460-0019	CONDUCT PDR - NBI Armor	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A	0		0.00	100						
2460-0020	Disposition PDR Chits - Final Design	23	28JUN10A	28JUN10A	29JUL10A	29JUL10A	0		0.00	100						
2460-0021	Revise Armor Backing &Armor service connecti	19	28JUN10A	28JUN10A	23JUL10A	23JUL10A	0		0.00	100						
2460-0022	Design Drawings	186*	02AUG10A	02AUG10A	29APR11	08NOV10A	116		12,719.68	90	EM/EM =30 ; EA/ES =100 ;					
2460-0024	Armor Instrumentation/Service Connection	15	18NOV10*	18JAN11*	24JAN11	07FEB11	-10	4	18,542.32		EM/EM =52 ; EA/ES =12 ;					
2460-0025	Develop Installation Techniques	20	25JAN11*	08FEB11*	21MAR11	07MAR11	10	4	10,821.60		EM/EM =64 ; EA/ES =08 ;					
2460-0026	Update Analysis	30	22MAR11	08MAR11	31MAY11	18APR11	30	4	43,135.10		EM/EM =30 ; EA/EM =160 ; Travel=6k					
2460-0026A	Peer Review - 2nd NBI Armor	0				31MAR11*	0	2,360	0.00		▼					
2460-0027	Update Cost & Sched Estimate - Final Dsgn	6	01JUN11*	19APR11*	08JUN11	26APR11	30	4	9,967.23		EM/EM =63 ;					
2460-0028	FDR Prep - NBI Armor	35	01JUN11*	19APR11*	28JUN11	07JUN11	15	4	6,446.04		EM/EM=20; EA/ES=20;EA/EM=8					
2460-0029	Conduct FDR - NBI Armor	2	29JUN11	08JUN11	29JUN11*	09JUN11*	14	4	1,265.68		EM/EM =08 ;					
2460-0030	FDR Chit Resolution	20	30JUN11	10JUN11	28JUL11*	08JUL11*	14	424	23,472.00		EM/EM =80 ; EA/ES =80 ; EA/EM =20					
2460-0031	Prep Requisition & Procuremnt Pckg - Armor Tiles	10	02JAN13*	02JAN13*	15JAN13	15JAN13	0	58	8,502.72			EM/EM =48 ;				
2460-0032	Submit Request to Procurement - Armor Tiles	1	16JAN13	16JAN13	16JAN13	16JAN13	0	58	708.56			EM/EM =04 ;				
2460-0033	Procurement Lead Times - Armor Tiles	40	17JAN13	17JAN13	13MAR13	13MAR13	0	58	0.00							
2460-0034	Award - Armor Tiles	1	14MAR13	14MAR13	14MAR13	14MAR13	0	58	0.00							
2460-0035	Fabricate / Delivery - Armor Tiles	180	15MAR13	15MAR13	27NOV13	27NOV13	0	58	29,234.00				41=18,000 ; 35=4,000 ;			
2460-0037	Prep Requisition & Procuremnt Pckg - Armor Tiles	10	01MAR13*	01MAR13*	14MAR13	14MAR13	0	176	12,754.08			EM/EM =72 ;				
2460-0038	Submit Request t/Proc - Armor Support	1	15MAR13	15MAR13	15MAR13	15MAR13	0	176	708.56			EM/EM =04 ;				
2460-0039	Procurement Lead Time - Armor Support	25	18MAR13	18MAR13	19APR13	19APR13	0	176	0.00							
2460-0040	Award - Armor Support	1	22APR13	22APR13	22APR13	22APR13	0	176	0.00							
2460-0041	Fabricate / Delivery - Armor Support	60	01OCT13*	01OCT13*	06JAN14	06JAN14	0	65	60,750.00				41=45,000 ;			
2460-0043	Prep Requisition & Procuremnt Pckg-Backing Plate	2	03SEP13*	03SEP13*	04SEP13	04SEP13	0	44	2,479.96			EM/EM =14 ;				
2460-0044	Submit Request t/Proc - New Backing Plates	1	05SEP13	05SEP13	05SEP13	05SEP13	0	44	708.56			EM/EM =04 ;				
2460-0045	Procurement Lead Time - New Backing Plates	15	06SEP13	06SEP13	26SEP13	26SEP13	0	44	0.00							
2460-0046	Award - New Backing Plates	1	27SEP13	27SEP13	27SEP13	27SEP13	0	44	0.00							
2460-0047	Delivery - New Backing Plates	20	30SEP13	30SEP13	25OCT13	25OCT13	0	44	26,970.00				41=20,000 ;			
2460-0049	Fabricate Backing Plates	15	28OCT13*	28OCT13*	15NOV13	15NOV13	0	44	17,500.80		EM/EM =12 ; EM/SM =84 ;					
2460-0050	Assemble Armor Quad #1	7	18NOV13	18NOV13	26NOV13	26NOV13	0	44	12,752.60				EM/SM =70 ;			
2460-0051	Assemble Armor Quad #2	5	27NOV13	27NOV13	05DEC13	05DEC13	0	44	9,109.00				EM/SM =50 ;			

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	FY					
											FY11	FY12	FY13	FY14	FY15	FY16
2460-0052	Assemble Armor Quad #3	5	06DEC13	06DEC13	12DEC13	12DEC13	0	44	9,109.00							
2460-0053	Assemble Armor Quad #4	5	13DEC13	13DEC13	19DEC13	19DEC13	0	44	9,109.00							
2460-0054	Assembly Procedure Finalized	15	28JUN13*	28JUN13*	22JUL13	22JUL13	0	129	12,754.08							
2460-0057	In Vessel Work Remove Armor	20	21JAN14*	20JAN14*	17FEB14	14FEB14	1	11	24,776.48							
2460-0058	Armor Support Installation	10	18FEB14	17FEB14	03MAR14	28FEB14	1	11	25,127.20							
2460-0059	Armor Quadrant Installations	15	04MAR14*	03MAR14*	24MAR14	21MAR14	1	11	29,759.28							
2460-0060	Service Connections	4	25MAR14	24MAR14	28MAR14	27MAR14	1	11	6,740.66							
2460-0061	Bay-H Port Cover Install	3	31MAR14*	28MAR14*	02APR14	01APR14	1	11	5,649.50							
2460-0062	PTP Testing - NBI Armor	2	03APR14*	02APR14*	04APR14	03APR14	1	11	2,922.56							
FY092460	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		35,786.00	100						
FY102460	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A	0		144,675.00	100						

Job: 2470 - 2nd NBI Power-RAKI

21-AC Aux.											
247000245	211-AC Auxiliaries PP's etc	130	01OCT13*	01OCT13*	14APR14	14APR14	0	63	174,685.04		
247000250	212 grounding	130	01OCT13*	01OCT13*	14APR14	14APR14	0	63	109,645.28		

22-Reactivation											
247000254	Power Testing of Reactivated Equipment	45	03APR14	03APR14	05JUN14	05JUN14	0	26	51,300.96		
247000255	Switchyard- Reactivation	45	01JUL13*	01JUL13*	04SEP13	04SEP13	0	26	68,716.88		
247000256	Surge Room- Reactivation	50	05SEP13	05SEP13	13NOV13	13NOV13	0	26	103,722.63		
247000257	Mod- reg- Reactivation	30	14NOV13	14NOV13	08JAN14	08JAN14	0	26	48,791.60		
247000258	Arc/Filament/magnet- Reactivation	30	09JAN14	09JAN14	19FEB14	19FEB14	0	26	38,783.28		
247000259	LCC- Reactivation	30	20FEB14	20FEB14	02APR14	02APR14	0	26	46,091.60		

24-Cabling											
247000260	Design - Penetrations	15	02JUL12*	02JUL12*	23JUL12	23JUL12	0	213	6,983.52		
247000420	Prep Req & Procurement Pckg - Penetrations	1	24JUL12	24JUL12	24JUL12	24JUL12	0	213	1,516.72		
247000430	Submit Req to Procurement - Penetrations	1	25JUL12	25JUL12	25JUL12	25JUL12	0	213	758.36		
247000440	Procurement Lead Time - Penetrations	25	26JUL12	26JUL12	29AUG12	29AUG12	0	213	0.00		

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	FY										
											FY11	FY12	FY13	FY14	FY15	FY16					
247000450	Award - Penetrations	1	30AUG12	30AUG12	30AUG12	30AUG12	0	213	0.00												
247000460	Procurement/Fab/Assembly - Penetrations	65	31AUG12	31AUG12	04DEC12	04DEC12	0	213	6,553.85												
247000690	Installation Procedure - Penetrations	5	05DEC12	05DEC12	11DEC12	11DEC12	0	213	1,548.56												
247000700	Installation - Penetrations	8	12DEC12	12DEC12	21DEC12	21DEC12	0	213	32,929.04												
247000270	Design Removal of Cable	25	08JUN12*	08JUN12*	13JUL12	13JUL12	0	182	23,984.00												
247000710	Removal - Cable	8	02JAN13	02JAN13	11JAN13	11JAN13	0	215	19,783.76												
247000780	Commissioning - Removal of Cable	5	14JAN13	14JAN13	18JAN13	18JAN13	0	310	9,639.28												
247000275	Design - Cables	100	04SEP12*	04SEP12*	01FEB13	01FEB13	0	47	170,743.41												
247000470	Prep Req & Procurement Pckg - Cables	1	04FEB13	04FEB13	04FEB13	04FEB13	0	47	1,548.56												
247000480	Submit Req to Procurement - Cables	1	05FEB13	05FEB13	05FEB13	05FEB13	0	47	774.28												
247000490	Procurement Lead Time - Cables	30	06FEB13	06FEB13	19MAR13	19MAR13	0	47	0.00												
247000500	Award - Cables	1	20MAR13	20MAR13	20MAR13	20MAR13	0	47	0.00												
247000510	Procurement - NBI Cables	120	21MAR13	21MAR13	10SEP13	10SEP13	0	47	557,304.00												
247000720	Installation Procedure - Cable	5	12DEC12	12DEC12	18DEC12	18DEC12	0	226	1,548.56												
247000730	Installation - Cable	100	24SEP13*	23SEP13*	24FEB14	21FEB14	1	39	271,733.11												
247000790	Commissioning - Cable	40	25FEB14	24FEB14	21APR14	18APR14	1	39	141,711.60												
247000729	decontmination of east wall	48	17JUL13	16JUL13	23SEP13	20SEP13	1	39	97,071.52												
247000280	Prep Procurement Spec - Raceway	15	14JAN13*	14JAN13*	01FEB13	01FEB13	0	160	24,487.60												
247000520	Prep Req & Procurement Pckg - Raceway	1	05FEB13	05FEB13	05FEB13	05FEB13	0	161	1,548.56												
247000530	Submit Req to Procurement - Raceway	1	06FEB13	06FEB13	06FEB13	06FEB13	0	161	774.28												
247000540	Procurement Lead Time - Raceway	15	07FEB13	07FEB13	27FEB13	27FEB13	0	161	0.00												
247000550	Award - Raceway	1	28FEB13	28FEB13	28FEB13	28FEB13	0	161	0.00												
247000560	Procurement/Fab/Assembly - Raceway	65	01MAR13	01MAR13	31MAY13	31MAY13	0	161	39,600.00												
247000740	Installation Procedure - Raceway	5	19DEC12	19DEC12	03JAN13	03JAN13	0	266	1,548.56												
247000750	Installation - 2nd NBI Raceway	90	08OCT13*	07OCT13*	24FEB14	21FEB14	1	74	739,832.48												
247000795	Commissioning - Raceway	5	25FEB14	24FEB14	03MAR14	28FEB14	1	74	9,965.68												
25-Transmission Line																					
247000285	Design & Install Transmission Line	240	01JUL13*	01JUL13*	19JUN14	19JUN14	0	56	133,959.36												
28-System Design & Integration																					
247000090	Design dwgs, changes,as-builts (LOE)	1,101*	03MAY10A	03MAY10A	30SEP14	30SEP14	0	1,487	87,822.51	LOE											

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	Fiscal Year						
											FY11	FY12	FY13	FY14	FY15	FY16	
247000100	CDR Complete Power System	20	01OCT09A	01OCT09A	28OCT09A	28OCT09A	0		0.00	100							
247000090A	Peer Review - 2nd NBI Power	0				31MAR11*	0	2,360	0.00		▼ ;						
247000180	PDR Preparation	37	03MAY10A	03MAY10A	23JUN10A	23JUN10A	0		0.00	100							
247000190	Conduct PDR	1	24JUN10A	24JUN10A	24JUN10A	24JUN10A	0		0.00	100							
247000200	PDR Complete	0			24JUN10A	24JUN10A	0		0.00	100							
2470PEER	Peer Review	0			31MAR11	31MAR11	0	53	0.00		▼						
247000235	Calculations - Final Dsgn	115	03JAN11*	03JAN11*	27JUN11	13JUN11	10	1	6,915.60		■ EE//EM =40 ;						
247000295	FDR Cabling	115	03JAN11	03JAN11	27JUN11	13JUN11	10	1	11,900.80		■ EE//EM =40 ; EE//SB =40 ;						
247000300	Conduct FDR	1	28JUN11	14JUN11	28JUN11	14JUN11	10	1	0.00								
247000305	FDR Complete	0			28JUN11	14JUN11	10	1	0.00		▼						
System Testing																	
247000890	New Procedures, PTP's, ISTEP's	44	19FEB14*	18FEB14*	21APR14	18APR14	1	39	19,546.80			EE//EM =40 ; EE//SB =80 ; ■					
247000900	DC Hipots Engineering	20	22APR14	21APR14	19MAY14	16MAY14	1	39	8,005.20				■ EE//EM =40 ;				
247000910	DC Hipots Commissioning	40	06JUN14	06JUN14	01AUG14	01AUG14	0	26	11,022.00			EE//EM =24 ; EE//TB =64 ; ■					
247000920	Elect Interlock Testing Eng	20	22APR14	21APR14	19MAY14	16MAY14	1	39	1,601.04				■ EE//EM =08 ;				
247000930	Elect Interlock Testg Commissioning	40	20MAY14	19MAY14	16JUL14	15JUL14	1	39	11,022.00			EE//EM =24 ; EE//TB =64 ; ■					
247000940	Kirk Key Testing Eng	20	22APR14	21APR14	19MAY14	16MAY14	1	39	1,601.04				■ EE//EM =08 ;				
247000941	Kirk Key Testg Commissioning	40	20MAY14	19MAY14	16JUL14	15JUL14	1	39	5,534.16			EE//EM =16 ; EE//TB =24 ; ■					
247000945	Instrumentation Testing Engr	20	22APR14	21APR14	19MAY14	16MAY14	1	39	1,601.04				■ EE//EM =08 ;				
247000946	Instrumentation Commissioning	40	20MAY14	19MAY14	16JUL14	15JUL14	1	39	4,756.80			EE//EM =16 ; EE//TB =16 ; ■					
247000950	Control Sys Engr	20	22APR14	21APR14	19MAY14	16MAY14	1	39	1,601.04				■ EE//EM =08 ;				
247000951	Control Sys Commissioning	40	20MAY14	19MAY14	16JUL14	15JUL14	1	39	7,135.20			EE//EM =24 ; EE//TB =24 ; ■					
247000960	Coil Protection Engr	20	22APR14	21APR14	19MAY14	16MAY14	1	39	1,601.04				■ EE//EM =08 ;				
247000971	Coil Protection Commissioning	40	20MAY14	19MAY14	16JUL14	15JUL14	1	39	7,135.20			EE//EM =24 ; EE//TB =24 ; ■					
FY092470	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		115,170.00	100							
FY102470	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A	0		78,528.00	100							
FY102470A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		12,565.00								
Job: 2475 - 2nd NBI Controls-CROPPER																	
System Testing																	
FY102475A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		1,855.00								
-																	
2475-0018	Protective Plate Interlocks-NBI-Controls & Instr	64	03JAN11*	03JAN11*	31MAR11	31MAR11	0	37	24,851.20		■ EE//SM =160 ;						

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY11						FY12						FY13						FY14						FY15						FY16																			
											Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4		Q1		Q2		Q3		Q4											
Control System Layout																																																												
2475-0002	Control System Lay Out-NBI-Controls & Instrument	30	03MAY10A	03MAY10A	14JUN10A	14JUN10A		0		0.00	100																																																	
2475-0003	Update Cost & Sched Estimate-NBI-Control & Instrm	5	08JUN10A	08JUN10A	14JUN10A	14JUN10A		0		0.00	100																																																	
2475-0004	FMEA Analysis-NBI-Controls & Instrumentation	5	08JUN10A	08JUN10A	14JUN10A	14JUN10A		0		0.00	100																																																	
2475-0005	Design Drawings-NBI-Controls & Instrumentation	30	03MAY10A	03MAY10A	14JUN10A	14JUN10A		0		0.00	100																																																	
2475-0006	PDR Prep PPL-NBI-Controls & Instrumentation	6	15JUN10A	15JUN10A	22JUN10A	22JUN10A		0		0.00	100																																																	
2475-0009	CONDUCT PDR-NBI-Controls & Instrumentation	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A		0		0.00	100																																																	
2475-0012	Disposition PDR Chits-NBI-Controls & Instrum	10	23JUN10A	23JUN10A	28JUN10A	28JUN10A		0		0.00	100																																																	
2475-0102	PLC - Control System Layout	135*	28JUL10A	28JUL10A	28FEB11	14FEB11		10	5	18,145.69	55	EE//SM =120 ;																																																
2475-0103	Remote LCC - Control System Layout	10	01MAR11*	15FEB11*	14MAR11	28FEB11		10	35	6,212.80		EE//SM =40 ;																																																
2475-0104	TC scanners, Beamline & P.P - Control Sys Layout	15	15MAR11	01MAR11	04APR11	21MAR11		10	35	12,425.60		EE//SM =80 ;																																																
2475-0105	NBOS Station - Control System Layout	10	05APR11	22MAR11	18APR11	04APR11		10	35	6,212.80		EE//SM =40 ;																																																
2475-0106	DWGS CWD's & Cable Diagram - Control Sys Layout	154*	01DEC10*	01OCT10A	24MAY11	16MAY11		6	5	139,376.00	5	EE//SM =640 ;EA/SB=320																																																
Final Design																																																												
2475PEER	Peer Review	0			31MAR11	31MAR11		0	53	0.00		▼																																																
2475-0110	Design Drawings-NBI-Controls & Instrumentation	220*	29JUN10A	29JUN10A	01JUN11	16MAY11		11	5	24,272.80	20	EE//SM =160 ;																																																
2475-0110A	Update Cost & Sched Estimate-NBI-Controls & Instr	5	02JUN11	17MAY11	08JUN11	23MAY11		11	5	6,212.80		EE//SM =40 ;																																																
2475-0110B	FDR Prep PPL-NBI-Controls & Instrumentation	10	09JUN11	24MAY11	22JUN11	07JUN11		11	5	7,455.36		EE//SM =48 ;																																																
2475-0111	CONDUCT FDR-NBI-Controls & Instrumentation	1	23JUN11*	08JUN11*	23JUN11	08JUN11		11	5	1,242.56		EE//SM =08 ;																																																
Procurement																																																												
2475-0116	Prep Requisition and procurement package	5	02JUL12*	02JUL12*	09JUL12	09JUL12		0	4	6,813.20		EE//SM =40 ;																																																
2475-0117	SUBMIT REQ TO PROCUREMENT	1	10JUL12	10JUL12	10JUL12	10JUL12		0	4	1,362.64		EE//SM =08 ;																																																
2475-0118	Procurement lead time (1)	15	11JUL12	11JUL12	31JUL12	31JUL12		0	4	0.00																																																		
2475-0119	AWARD-NBI-Controls & Instrumentation	1	01AUG12	01AUG12	01AUG12	01AUG12		0	4	0.00																																																		
2475-0120	Fabricate or delivery--NBI-Controls & Instrument	40	02AUG12	02AUG12	27SEP12	27SEP12		0	4	555,990.00		41=\$431,000																																																
Fab/Assembly																																																												
2475-0123	Fab/Assy Procedure	5	21SEP12	21SEP12	27SEP12	27SEP12		0	4	6,813.20		EE//SM =40 ;																																																
2475-0125	Cable Tray - Fab/Assembly	40	28SEP12*	28SEP12*	26NOV12	26NOV12		0	4	71,054.56		EM//ST =640 ;																																																
2475-0126	Gradient Grid divider - Fab/Assembly	20	27NOV12	27NOV12	02JAN13	02JAN13		0	4	64,327.44		EE//SM =24 ; EE//TB =640 ;																																																
2475-0127	Control Rack Cage - Fab/Assembly	5	03JAN13	03JAN13	09JAN13	09JAN13		0	4	10,277.68		EE//SM =08 ; EM//ST =80 ; 41=000 ;																																																
2475-0128	Rack relocation - Fab/Assembly	25	10JAN13*	10JAN13*	13FEB13	13FEB13		0	4	73,946.00		EE//SM =40 ; EE//TB =240 ; EM//ST =400 ;																																																
2475-0129	Penetrations - Fab/Assembly	5	14FEB13*	14FEB13*	20FEB13	20FEB13		0	4	63,077.68		EE//SM =08 ; EM//ST =80 ; 41=40,000 ;																																																

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	FY						
											FY11	FY12	FY13	FY14	FY15	FY16	
2475-0130	Disconnect remote control	20	21FEB13	21FEB13	20MAR13	20MAR13	0	4	22,068.64				EE//SM =08 ; EE//SB =24 ; EE//TB =104 ; EM//ST =68 ;				
Installation																	
2475-0133	Installation Procedures	10	07MAR13	07MAR13	20MAR13	20MAR13	0	4	12,550.80				EE//SM =40 ; EA//SB =40 ;				
2475-0134	Beam Line Cabling - Installation	80	21MAR13	21MAR13	15JUL13	15JUL13	0	4	283,335.68				EE//SM =320 ; EE//TB =1,280 ; EM//ST =16 ; 41=80,000 ;				
2475-0135	Aux Cabling - Installation	20	16JUL13	16JUL13	12AUG13	12AUG13	0	4	89,104.80				EE//SM =80 ; EE//TB =800 ;				
2475-0136	Protective Plate Interlocks(I/P Pyrometer/IR Cam	20	13AUG13	13AUG13	10SEP13	10SEP13	0	4	37,033.20				EE//SM =40 ; EE//TB =320 ;				
2475-0137	TC Scanners - beamline & Protective Plates-Instl	40	11SEP13	11SEP13	05NOV13	05NOV13	0	4	45,532.34				EE//SM =40 ; EE//TB =400 ;				
2475-0138	NBOS Station - Installation	10	06NOV13	06NOV13	19NOV13	19NOV13	0	4	29,931.20				EE//SM =80 ; EE//TB =160 ;				
2475-0139	LCC Remote - Installation	40	20NOV13	20NOV13	28JAN14	28JAN14	0	4	161,713.60				EE//SM =40 ; EE//SB =640 ; EE//TB =640 ;				
2475-0140	Power Supply Upgrade - Installation	23	29JAN14	29JAN14	28FEB14	28FEB14	0	4	63,156.96				EE//SM =24 ; EE//SB =160 ; EE//TB =368 ;				
2475-0141	Protective Plate TC's - Installation	10	03MAR14	03MAR14	14MAR14	14MAR14	0	4	12,088.80				EE//SM =24 ; EE//TB =80 ;				
Programing																	
2475-0144	PLC & RSView Programing-NBI-Controls & Instrumen	40	03OCT13*	03OCT13*	27NOV13	27NOV13	0	91	57,536.00				EE//SM =320 ;				
2475-0145	Beamline TC Scanner Program-NBI-Controls & Instr	20	06NOV13*	06NOV13*	05DEC13	05DEC13	0	47	27,398.40				EE//SM =24 ; EE//sB =160 ;				
2475-0146	Protective Plate TC Scanner Program-NBI-Controls	20	17MAR14	17MAR14	11APR14	11APR14	0	4	27,398.40				EE//SM =24 ; EE//sB =160 ;				
2475-0147	LCC Remote LabView Programing-NBI-Controls/Instr	40	29JAN14	29JAN14	25MAR14	25MAR14	0	17	50,481.60				EE//SM =24 ; EE//sB =320 ;				
Testing																	
2475-0149	PTP Testing	20	14APR14	14APR14	09MAY14	09MAY14	0	4	67,398.40				EE//SM =160; EE//TB =160; EE//SB =160				
Commissioning in Ops																	
2475-0154	Commissioning & Testing of 4A Power System	20	12MAY14	12MAY14	09JUN14	09JUN14	0	4	0.00				EE//SM =320 ; EE//TB =480 ; EE//SB=160				
2475-0155	Commissioning & Testing of 4B Power System	20	10JUN14	10JUN14	08JUL14	08JUL14	0	4	0.00				EE//SM =320 ; EE//TB =480 ; EE//SB=160				
2475-0156	Commissioning & Testing of 4C Power System	20	09JUL14	09JUL14	05AUG14	05AUG14	0	4	0.00				EE//SM =320 ; EE//TB =480 ; EE//SB=160				
2475-0157	40 kv Beam Operation	20	06AUG14	06AUG14	03SEP14	03SEP14	0	4	0.00				EE//SM =160 ; EE//TB =480 ; EE//SB=160				
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		0.00	100							
2480-0025	Seismic Analysis	5	03MAY10A	03MAY10A	07MAY10A	07MAY10A	0		0.00	100							
2480-0027	PDR Prep - Duct & VV Mods	36	03MAY10A	03MAY10A	22JUN10A	22JUN10A	0		0.00	100							
2480-0028	CONDUCT PDR - Duct & VV Mods	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A	0		0.00	100							
2480-0029	Disposition PDR Chits - Final Design	84*	03JUN10A	03JUN10A	30SEP10A	30SEP10A	0		0.00	100							
2480-0031	1000100100100 K- Port Extension	41*	16AUG10A	16AUG10A	30SEP10A	30SEP10A	0		0.00	100							
2480-0032	NB- Ceramic-Break	47*	16AUG10A	16AUG10A	30SEP10A	30SEP10A	0		0.00	100							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY11						FY12						FY13						FY14						FY15						FY16																		
2480-0033	Pool Piece/Round Bellows	52*	16AUG10A	16AUG10A	30SEP10A	30SEP10A	0		0.00	100																																																	
2480-0029A	Installation Prototype	53*	01NOV10*	18OCT10A	28FEB11	10JAN11	35	6	21,304.56	20	EM//EM =36 ;em//tb=100; 41=5,000																																																
2480-0030	J-K Cap/Installation Procedure	121*	16AUG10A	16AUG10A	28FEB11	11FEB11	11	6	26,418.10	20	EM//EM =48 ; EA//ES =48 ; 35=12,000 ;																																																
2480PEER	Peer review	0			31MAR11	31MAR11	0	53	0.00																																																		
2480-0034	Rectangular Bellows Assembly	90*	16AUG10A	16AUG10A	31MAR11	22DEC10	65	53	2,305.54	95	EM//EM =04 ; EA//ES =20 ;																																																
2480-0035	Design Drawings - Final Design	172*	16AUG10A	16AUG10A	22APR11	25APR11	-1	6	41,840.91	95	EM//EM =72 ; EA//ES =360 ;																																																
2480-0037	Update Analysis - Final Design	147*	25APR11	01NOV10A	27MAY11	06JUN11	-5	6	9,922.14	70	EA//EM =40 ; EM//EM =14 ;																																																
2480-0038	Update Cost & Sched Estimate - Final Dsgn	7	19MAY11	01NOV10A	27MAY11	22APR11	25	15	3,164.20	25	EM//EM =20 ;																																																
2480-0039	FDR Prep-Duct & VV Mods	21*	31MAY11	25APR11*	27JUN11	23MAY11	24	15	8,859.76		EM//EM=56																																																
2480-0040	CONDUCT FDR-Duct & VV Mods	1	28JUN11	07JUN11	28JUN11*	07JUN11*	15	6	1,265.68		EM//EM =08 ;																																																
2480-0041	Disposition FDR Chits	33	29JUN11*	08JUN11*	15AUG11	25JUL11	15	360	24,523.00		EM//EM =100 ; EA//ES =100 ;																																																
Procure, Fab & Assembly																																																											
2480-0042	Prep Req & Procuremnt Pckg	30	03DEC12*	03DEC12*	22JAN13	22JAN13	0	20	8,502.72		EM//EM =48 ;																																																
2480-0044	Submit Req to Procurement - 40" VAT Valves (2)	1	01FEB13*	01FEB13*	01FEB13	01FEB13	0	55	1,417.12		EM//EM =08 ;																																																
2480-0045	Procurement Lead Times - 40" VAT Valves (2)	25	04FEB13	04FEB13	08MAR13	08MAR13	0	55	0.00																																																		
2480-0046	Award - - 40" VAT Valves (2)	3	11MAR13	11MAR13	13MAR13	13MAR13	0	55	0.00																																																		
2480-0047	Fabricate / Delivery - 40" VAT Valves (2)	180	14MAR13	14MAR13	26NOV13	26NOV13	0	55	331,708.33		41=250,000 ;																																																
2480-0049	Submit Req to Procurement - 40" Bellows Section	1	23JAN13*	23JAN13*	23JAN13	23JAN13	0	20	1,417.12		EM//EM =08 ;																																																
2480-0050	Procurement Lead Time - 40" Bellows Section	25	24JAN13	24JAN13	27FEB13	27FEB13	0	20	0.00																																																		
2480-0051	Award - 40" Bellows Section	3	28FEB13	28FEB13	04MAR13	04MAR13	0	20	0.00																																																		
2480-0052	Fabricate / Delivery - 40" Bellows Section	130	05MAR13	05MAR13	06SEP13	06SEP13	0	20	272,640.00		41=200,000 ; 48=8,000 ;																																																
2480-0054	Submit Req to Proc-Rectangular Bellows Section	1	03JAN12*	03JAN12*	03JAN12	03JAN12	0	108	1,387.92		EM//EM =08 ;																																																
2480-0055	Procurement Lead Time-Rectangular Bellows Sectn	25	04JAN12	04JAN12	07FEB12	07FEB12	0	108	0.00																																																		
2480-0056	Award-Rectangular Bellows Section	1	11JUN12*	11JUN12*	11JUN12	11JUN12	0	21	0.00																																																		
2480-0057	Fabricate / Delivery-Rectangular Bellows Section	400	12JUN12	12JUN12	27JAN14	27JAN14	0	21	507,828.38		41=400,000 ; 48=15,000																																																
2480-0059	Prep Req & Procuremnt Pckg - Vessel Cap & Port E	8	01AUG12*	02APR12*	10AUG12	11APR12	85	214	11,103.36		EM//EM =64 ;																																																
2480-0060	Submit Req to Procurement - Vessel Cap & Port Ex	1	13AUG12	12APR12	13AUG12	12APR12	85	214	693.96		EM//EM =04 ;																																																
2480-0061	Procurement Lead Times - Vessel Cap & Port Exten	25	14AUG12	13APR12	18SEP12	17MAY12	85	214	0.00																																																		
2480-0062	Award - Vessel Cap & Port Extension	1	01OCT12*	01OCT12*	01OCT12	01OCT12	0	121	0.00																																																		
2480-0063	Fabricate / Delivery - Vessel Cap & Port Extensn	180	02OCT12*	02OCT12*	24JUN13	24JUN13	0	121	142,640.00		41=100,000 ; 35=8,000 ;																																																
2480-0064	Prep Req & Procuremnt Pckg - Pool Piece	5	01JUN12*	01JUN12*	07JUN12	07JUN12	0	276	5,204.70		EM//EM =30 ;																																																

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY						
											FY11	FY12	FY13	FY14	FY15	FY16	
2480-0065	Submit Req to Procurement - Spool Piece	1	08JUN12	08JUN12	08JUN12	08JUN12	0	276	693.96								
2480-0066	Procurement Lead Times - Spool Piece	25	11JUN12	11JUN12	16JUL12	16JUL12	0	276	0.00								
2480-0067	Award - Spool Piece	1	03OCT12*	03OCT12*	03OCT12	03OCT12	0	221	0.00								
2480-0068	Fabricate / Delivery - Spool Piece	120	04OCT12*	04OCT12*	02APR13	02APR13	0	221	79,200.00								
2480-0070	Fabricate / Delivery - RWM Coil Mtrl (cooper)	100	23JAN13*	23JAN13*	12JUN13	12JUN13	0	161	17,257.12								
2480-0072	Prep Req & Procuremnt Pckg-Raw Material f/Duct	3	01OCT12*	01OCT12*	03OCT12	03OCT12	0	202	3,188.52								
2480-0073	Submit Req to Procurement -Other Material f/Duct	1	04OCT12	04OCT12	04OCT12	04OCT12	0	202	708.56								
2480-0074	Procurement Lead Time - Other Material for Duct	25	05OCT12	05OCT12	08NOV12	08NOV12	0	202	0.00								
2480-0075	Award - Other Material for Duct	1	09NOV12	09NOV12	09NOV12	09NOV12	0	202	0.00								
2480-0076	Fabricate / Delivery-Other Mtrl f/Duct	100	12NOV12*	12NOV12*	11APR13	11APR13	0	202	132,000.00								
Installation																	
2480-0077	Installation Procedure - Duct & VV Mods	60	01APR13*	01APR13*	24JUN13	24JUN13	0	51	28,174.08								
2480-0078	Installation Material - Duct & VV Mods	20	25JUN13*	25JUN13*	24JUL13	24JUL13	0	51	26,400.00								
2480-0078A	Duct Cladding Installation	10	12APR13	12APR13	25APR13	25APR13	0	210	8,081.92								
2480-0081	Install Vessel Supports/Prep Machine	12	09SEP13	09SEP13	24SEP13	24SEP13	0	20	15,205.26								
2480-0082	Remove Bay-K Nozzle	8	25SEP13	25SEP13	04OCT13	04OCT13	0	20	10,945.20								
2480-0083	Cut J-K opening	30	07OCT13	07OCT13	15NOV13	15NOV13	0	20	97,336.00								
2480-0084	Fit Up/Install Cap	25	18NOV13	18NOV13	03JAN14	03JAN14	0	20	49,598.80								
2480-0085	Install Duct Supports	3	06JAN14	06JAN14	08JAN14	08JAN14	0	20	3,696.64								
2480-0086	Install K Extension	2	09JAN14	09JAN14	10JAN14	10JAN14	0	20	2,203.72								
2480-0086A	RWM Coil Installation	10	13JAN14	13JAN14	24JAN14	24JAN14	0	22	12,203.92								
2480-0088	Make up NB2 Transition Duct	7	13JAN14*	13JAN14*	21JAN14	21JAN14	0	20	10,056.36								
2480-0089	Leak Check Duct	5	22JAN14	22JAN14	28JAN14	28JAN14	0	20	4,593.60								
2480-0090	Install Transition Duct	5	29JAN14	29JAN14	04FEB14	04FEB14	0	20	9,187.20								
2480-0091	Install, Connect Bake Out Lines	1	05FEB14	05FEB14	05FEB14	05FEB14	0	20	1,101.86								
2480-0092	PTP Testing - Duct & VV Mods	5	06FEB14	06FEB14	12FEB14	12FEB14	0	20	3,643.60								
FY09 Actual Cost																	
FY092480	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		183,352.00	100							
FY10 Actual Cost																	
FY102480	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A	0		101,704.00	100							
FY102480A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		35,090.00								

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't							
											FY11	FY12	FY13	FY14	FY15	FY16	
Job: 2485 - Vacuum Pumping System-PRINISKI																	
Design																	
2485-0013	PDR Prep	10	09JUN10A	09JUN10A	22JUN10A	22JUN10A	0		0.00	100							
2485-0014	CONDUCT PDR	2	23JUN10A	23JUN10A	24JUN10A	24JUN10A	0		0.00	100							
2485-0015	Disposition PDR Chits	15	25JUN10A	25JUN10A	16JUL10A	16JUL10A	0		0.00	100							
2485-0016	Vacuum Diagnostic Layout	11	01MAR11*	15FEB11*	28MAR11	01MAR11	19	1	4,050.32			EM//EM =08 ; EA/ES =32 ;					
2485-0016A	Magnetic Shielding Conceptual Design	143	01SEP10A	01SEP10A	31MAR11	12NOV10A	91		5,887.05	100		EM//EM =4 ; EA/ES =8 ; EA//EM=25					
2485-0016B	Magnetic Shielding Final Design	31*		05JAN11*		16FEB11	0	2	9,036.20			EM//EM =4 ; EA/ES =8 ; EA//EM=40					
2485-0017	Design Drawings	152*	19JUL10A	19JUL10A	31MAY11	28FEB11	65	2	11,608.87	70		EM//EM =24 ; EA/ES =96 ;					
2485-0018	Update Cost & Schedule Estimate	133*	01JUN11	01NOV10A	07JUN11	16MAY11	15	2	6,328.40	25		EM//EM =12 ;					
2485-0019	FDR Prep	11*	08JUN11	14MAR11	21JUN11	28MAR11	60	44	0.00								
2485-0020	CONDUCT FDR	2	22JUN11*	10JUN11*	23JUN11	13JUN11	8	2	0.00								
2485-0021	FDR Chit Resolution (All Areas)	20	24JUN11*	16JUN11*	22JUL11	14JUL11	6	560	19,618.40			EM//EM =80 ; EA/ES =80 ;					
2485PEER	Peer Review	0			31MAR11	31MAR11	0	53	0.00								
Procure, Fab & Assembly																	
2485-0022	Prep Req & proc pckg - 3200i/s TMPx2	4	01OCT13*	01OCT13*	04OCT13	04OCT13	0	8	3,662.80								
2485-0023	SUBMIT REQ TO PROC - 3200i/s TMPx2	1	07OCT13	07OCT13	07OCT13	07OCT13	0	69	183.14								
2485-0024	Procurement lead time (1) - 3200i/s TMPx2	15	08OCT13	08OCT13	28OCT13	28OCT13	0	69	0.00								
2485-0025	AWARD - 3200i/s TMPx2	1	29OCT13	29OCT13	29OCT13	29OCT13	0	69	0.00								
2485-0026	Fabricate or delivery - 3200i/s TMPx2	90	30OCT13	30OCT13	18MAR14	18MAR14	0	69	87,750.00			41=65,000 ;					
2485-0028	Prep Req & proc pckg - New VAT Valves	2	07OCT13	07OCT13	08OCT13	08OCT13	0	8	366.28								
2485-0029	SUBMIT REQ TO PROC- New VAT Valves	1	09OCT13	09OCT13	09OCT13	09OCT13	0	77	183.14								
2485-0030	Procurement lead time (1)- New VAT Valves	15	10OCT13	10OCT13	30OCT13	30OCT13	0	77	0.00								
2485-0031	AWARD- New VAT Valves	1	31OCT13	31OCT13	31OCT13	31OCT13	0	77	0.00								
2485-0032	Fabricate or delivery - New VAT Valves	80	01NOV13	01NOV13	06MAR14	06MAR14	0	77	29,700.00			41=22,000 ;					
2485-0034	Prep Req & proc pckg - Vacuum Instrumentation	4	10OCT13	10OCT13	15OCT13	15OCT13	0	85	3,662.80								
2485-0035	SUBMIT REQ TO PROC- Vacuum Instrumentation	1	16OCT13	16OCT13	16OCT13	16OCT13	0	85	183.14								
2485-0036	Procurement lead time (1)- Vacuum Instrumentatn	15	17OCT13	17OCT13	06NOV13	06NOV13	0	85	0.00								
2485-0037	AWARD- Vacuum Instrumentation	1	07NOV13	07NOV13	07NOV13	07NOV13	0	85	0.00								
2485-0038	Fabricate or delivery - Vacuum Instrumentation	90	08NOV13	08NOV13	27MAR14	27MAR14	0	85	5,400.00			41=4,000 ;					
2485-0040	Prep Req & proc pckg - Misc Mtrl/Comp for Ducts	4	09OCT13	09OCT13	14OCT13	14OCT13	0	8	2,380.82								
2485-0041	SUBMIT REQ TO PROC - Misc Mtrl/Comp for Ducts	1	15OCT13	15OCT13	15OCT13	15OCT13	0	8	183.14								

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	FY11 FY12 FY13 FY14 FY15 FY16					
2485-0042	Procurement lead time (1) - Mtrl/Comp for Duct	15	16OCT13	16OCT13	05NOV13	05NOV13	0	8	0.00							
2485-0043	AWARD - Misc Mtrl/Comp for Ducts	1	06NOV13	06NOV13	06NOV13	06NOV13	0	8	0.00							
2485-0044	Fabricate or delivery - Misc Mtrl/Comp for Ducts	70	07NOV13	07NOV13	26FEB14	26FEB14	0	83	32,400.00							
2485-0044A	Fabricate or delivery - All Other Mtrl/Component	160	07NOV13*	07NOV13*	03JUL14	03JUL14	0	8	44,162.80							

Installation																
2485-0046	Installation Procedure	10	07OCT13*	07OCT13*	18OCT13	18OCT13	0	166	7,325.60							
2485-0047	Pre-Assemble Duct Legs 1 and 2	15	19MAR14*	19MAR14*	08APR14	08APR14	0	69	27,523.68							
2485-0048	Leak Checking	3	31JUL14	31JUL14	04AUG14	04AUG14	0	15	1,378.08							
2485-0049	Install TVPS Supports/	8	07JUL14	07JUL14	16JUL14	16JUL14	0	8	15,097.24							
2485-0050	Install Ducts/Pumps	10	17JUL14*	17JUL14*	30JUL14	30JUL14	0	8	14,687.44							
2485-0050A	Install Vacuum Instrumentation	10	31JUL14	31JUL14	13AUG14	13AUG14	0	8	18,250.00							
2485-0051	PTP Testing	10	14AUG14	14AUG14	27AUG14	27AUG14	0	8	2,920.64							

FY102485	FY10 Actual Cost	40	01MAR10A	01MAR10A	30APR10A	30APR10A	0		5,206.00	100						
FY102485A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		28,285.00							

Job: 2490 - NTC Equipt Relocations-PERRY

Removal Procedures																
24910010	Prep procd rack 419 removal - UCLA Reflectometer	3	03OCT11*	03OCT11*	05OCT11	05OCT11	0	207	4,141.92							
24910160	Prep procedure rack 440 removal-SPRED & VIPS	3	06OCT11	06OCT11	10OCT11	10OCT11	0	207	4,141.92							
24910210	Prep procedure rack 441-445 removal-VV ion gages	3	11OCT11	11OCT11	13OCT11	13OCT11	0	207	4,141.92							
24910260	Prep procedure rack 447-448 removal-Fiber Optics	3	14OCT11	14OCT11	18OCT11	18OCT11	0	207	4,141.92							
24910310	Prep procedure rack 449 removal - Glow Discharge	3	19OCT11	19OCT11	21OCT11	21OCT11	0	207	4,141.92							
24910360	Prep procd rack 456 removal-Xray Crystal Spectr	3	24OCT11	24OCT11	26OCT11	26OCT11	0	207	4,141.92							
24910380	Prp procd rack 488 remv-Dep monitr/fast xray/NPA	3	27OCT11	27OCT11	31OCT11	31OCT11	0	207	4,141.92							
24910430	Prep procedure rack 489 removal - NPA	3	01NOV11	01NOV11	03NOV11	03NOV11	0	207	4,141.92							
24910450	Prep procedure rack removal - PSI Camera	3	04NOV11	04NOV11	08NOV11	08NOV11	0	207	4,141.92							
24910500	Prp procd rack removal -Ultra Fast X-ray Camera	3	09NOV11	09NOV11	11NOV11	11NOV11	0	207	4,141.92							
24910550	Prep procd rack removal-Transmsn Grating Spectro	3	14NOV11	14NOV11	16NOV11	16NOV11	0	207	4,141.92							
24910700	Prp procd equipt removal Bay J-Two gas injectors	1	17NOV11	17NOV11	17NOV11	17NOV11	0	207	1,387.92							
24910750	Prep procd equipment removal Bay J - Reflectometer	1	18NOV11	18NOV11	18NOV11	18NOV11	0	207	1,387.92							
24910800	Prep procdur equipment removal Bay J - Bolometer	1	21NOV11	21NOV11	21NOV11	21NOV11	0	207	1,387.92							
24910850	Prep procdur equipment removal Bay J - RF Prove	1	22NOV11	22NOV11	22NOV11	22NOV11	0	207	1,387.92							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	FY16
24910900	Prep procedure equipment removal Bay J - S-Flip	1	23NOV11	23NOV11	23NOV11	23NOV11	0	207	1,387.92							
24910950	Prep procedure equipment removal Bay J - SSNPA	1	28NOV11	28NOV11	28NOV11	28NOV11	0	207	1,387.92							
24911000	Prp procd equipt removal Bay J-Re-entrant Window	1	29NOV11	29NOV11	29NOV11	29NOV11	0	207	1,387.92							
24911050	Prp procd equipt removal Bay K-High K Scattering	5	30NOV11	30NOV11	06DEC11	06DEC11	0	207	6,939.60							
24911070	Prep procedure equipment removal Bay K - FireTips	5	07DEC11	07DEC11	13DEC11	13DEC11	0	207	6,939.60							
24911090	Prep procd equipment removal Bay K - PSI Camera	3	14DEC11	14DEC11	16DEC11	16DEC11	0	207	4,163.76							
24911110	Prp procedure equipment removal Bay K - NPA	5	19DEC11	19DEC11	23DEC11	23DEC11	0	207	6,939.60							
24911130	Prp procd equipt remov Bay K-Ultra Fast Xray Cam	1	03JAN12	03JAN12	03JAN12	03JAN12	0	207	1,387.92							
24911150	Prp procd equipt removal Bay K-IR Window f/Camra	1	04JAN12	04JAN12	04JAN12	04JAN12	0	207	1,387.92							
24911200	Prp procd equip removal Bay K-Trans Grating Spec	1	05JAN12	05JAN12	05JAN12	05JAN12	0	207	1,387.92							
24911250	Prep procd EQ remval Bay L pmp duct-VV Ion Gages	2	06JAN12	06JAN12	09JAN12	09JAN12	0	207	2,775.84							
24911300	Prp procd EQ rem BayL pmp duct-X-ray Crystal Spe	1	10JAN12	10JAN12	10JAN12	10JAN12	0	207	1,387.92							
24911320	Prep procedu equip removal Bay L pump duct-SPRED	1	11JAN12	11JAN12	11JAN12	11JAN12	0	207	1,387.92							
24911390	Prep procedure equip removal Bay L pump duct-RGA	2	12JAN12	12JAN12	13JAN12	13JAN12	0	207	2,775.84							
24911460	Prep procd equip removal Bay L pump duct-LOWEUS	1	16JAN12	16JAN12	16JAN12	16JAN12	0	207	1,387.92							
24911630	Prp procd EQ remov Bay L pmp duct-MPTS Beam Dump	1	17JAN12	17JAN12	17JAN12	17JAN12	0	207	1,387.92							
24911642	Prp procd EQ remov Bay L pmp duct-Pump Duct	4	18JAN12	18JAN12	23JAN12	23JAN12	0	207	1,387.92							
24911750	Prep procedur Power/Ground/Light @ Platform W NTC	5	24JAN12	24JAN12	30JAN12	30JAN12	0	207	6,859.84							
24911820	Prp procd EQ Remov Misc. - Gas Delivery System	1	31JAN12	31JAN12	31JAN12	31JAN12	0	207	1,387.92							
24911840	Prp procd EQ Remov Misc. - NW Sect 109' Platform	2	01FEB12	01FEB12	02FEB12	02FEB12	0	207	2,775.84							
24911860	Prp procd EQ Remov Misc. - Convenience Outlets	5	03FEB12	03FEB12	09FEB12	09FEB12	0	207	6,939.60							
24911880	Prp procd EQ Remov Misc. - Cat 3 & Cat 4 Bus	5	10FEB12	10FEB12	16FEB12	16FEB12	0	207	6,939.60							
24911900	Prp procd EQ Remv Misc-Lights/E-stops/Fire Alarm	6	17FEB12	17FEB12	24FEB12	24FEB12	0	207	8,327.52							
24911920	Prp procd EQ Rem Misc-Glow Disch Splice Box/Disc	2	27FEB12	27FEB12	28FEB12	28FEB12	0	207	2,775.84							
Removals																
24910019	BEGIN DIAG REMOVALS	0			02APR12*	02APR12*	0	183	0.00							
24910020	Remove rack 419 - UCLA Reflectometer	4	03APR12	03APR12	06APR12	06APR12	0	183	8,472.20							
24910170	Remove rack 440 - SPRED and VIPS	8	09APR12	09APR12	18APR12	18APR12	0	183	14,639.60							
24910220	Remove rack 441-445 - VV ion gages, RGA	15	19APR12	19APR12	09MAY12	09MAY12	0	183	31,761.16							
24910270	Remove rack 447-448 - Fiber Optics	5	10MAY12	10MAY12	16MAY12	16MAY12	0	183	11,593.48							
24910320	Remove rack 449 - Glow Discharge	10	17MAY12	17MAY12	31MAY12	31MAY12	0	183	21,677.32							
24910370	Remove rack 456 --Xray Crystal Spectr	7	01JUN12	01JUN12	11JUN12	11JUN12	0	183	15,074.76							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	FY16
24910390	Remove rack 488 - Depositn monitor/fast xray/NPA	7	12JUN12	12JUN12	20JUN12	20JUN12	0	183	15,074.76							
24910440	Remove rack 489 - NPA	10	21JUN12	21JUN12	05JUL12	05JUL12	0	183	21,677.32							
24910460	Remove rack - PSI Camera	2	06JUL12	06JUL12	09JUL12	09JUL12	0	183	4,990.92							
24910510	Remove rack - Ultra Fast X-ray Camera	2	10JUL12	10JUL12	11JUL12	11JUL12	0	183	4,990.92							
24910560	Remove rack - Transmission Grating Spectrometer	3	12JUL12	12JUL12	16JUL12	16JUL12	0	183	6,731.56							
24910690	Moving equipment In & Out of NTC	6	17JUL12	17JUL12	24JUL12	24JUL12	0	183	13,205.12							
24910710	Remove Bay J - Two gas injectors	1	25JUL12	25JUL12	25JUL12	25JUL12	0	183	1,869.64							
24910760	Remove Bay J - Reflectomer	1	26JUL12	26JUL12	26JUL12	26JUL12	0	183	1,869.64							
24910810	Remove Bay J - Bolometer	1	27JUL12	27JUL12	27JUL12	27JUL12	0	183	1,869.64							
24910860	Remove Bay J - RF Prove	1	30JUL12	30JUL12	30JUL12	30JUL12	0	183	1,869.64							
24910910	Remove Bay J - S-Flip	1	31JUL12	31JUL12	31JUL12	31JUL12	0	183	1,869.64							
24910960	Remove Bay J - SSNPA	1	01AUG12	01AUG12	01AUG12	01AUG12	0	183	999.32							
24911010	Remove Bay J - Re-entrant Window	1	02AUG12	02AUG12	02AUG12	02AUG12	0	183	999.32							
24911060	Remove Bay K - High K Scattering	10	03AUG12	03AUG12	16AUG12	16AUG12	0	183	34,941.80							
24911080	Remove Bay K - FireTips	5	17AUG12	17AUG12	23AUG12	23AUG12	0	183	17,535.40							
24911100	Remove Bay K - PSI Camera	4	24AUG12	24AUG12	29AUG12	29AUG12	0	183	14,054.12							
24911120	Remove Bay K - NPA	10	30AUG12	30AUG12	13SEP12	13SEP12	0	183	34,941.80							
24911140	Remove Bay K - Ultra Fast X-ray Camera	1	14SEP12	14SEP12	14SEP12	14SEP12	0	183	999.32							
24911160	Remove Bay K - IR Window for Camera	1	17SEP12	17SEP12	17SEP12	17SEP12	0	183	999.32							
24911210	Remove Bay K - Transmission Grating Spectrometer	1	18SEP12	18SEP12	18SEP12	18SEP12	0	183	999.32							
24911260	Remove Bay Bay L pump duct-VV Ion Gages/Filament	2	19SEP12*	19SEP12*	20SEP12	20SEP12	0	183	3,610.28							
24911310	Remove Bay Bay L pump duct-X-ray Crystal Spectr	1	21SEP12	21SEP12	21SEP12	21SEP12	0	183	2,739.96							
24911330	Remove Bay L pump duct-SPRED	1	24SEP12	24SEP12	24SEP12	24SEP12	0	183	1,869.64							
24911400	Remove Bay L pump duct-RGA	3	25SEP12	25SEP12	27SEP12	27SEP12	0	183	5,350.92							
24911470	Remove Bay L pump duct - LOWEUS	3	28SEP12	28SEP12	02OCT12	02OCT12	0	183	1,896.07							
24911640	Remove Bay L pump duct-MPTS Beam Dump Window	1	03OCT12	03OCT12	03OCT12	03OCT12	0	183	1,020.64							
24911646	Remove Bay L pump duct-Pump Duct	1	04OCT12	04OCT12	04OCT12	04OCT12	0	183	17,307.52							
24911830	Remove Misc. EQ. - Gas Delivery System	4	05OCT12	05OCT12	10OCT12	10OCT12	0	183	18,363.52							
24911850	Remove Misc. EQ - NW Sect 109' Platform	6	11OCT12	11OCT12	18OCT12	18OCT12	0	183	33,485.28							
24911870	Remove Misc. EQ - Convenience Outlets	10	19OCT12	19OCT12	01NOV12	01NOV12	0	183	23,330.72							
24911890	Remove Misc. EQ - Cat 3 & Cat 4 Bus	5	02NOV12	02NOV12	08NOV12	08NOV12	0	183	14,351.68							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	FY						
											FY11	FY12	FY13	FY14	FY15	FY16	
24911910	Remove Misc. EQ-Lights/E-stops/Fire Alarm	13	09NOV12	09NOV12	29NOV12	29NOV12	0	183	32,715.20								
24911930	Remove Misc. EQ-Glow Disch Splice Box/Disc	2	30NOV12	30NOV12	03DEC12	03DEC12	0	183	6,287.20								
24919999	REMOVALS COMPLETE	0			03DEC12	03DEC12	0	183	0.00								
Design, Procurement & Fabr of Re-installations																	
24910030	Dsgn rack 419 re-installation - UCLA Reflectometer	17	29SEP11*	29SEP11*	21OCT11	21OCT11	0	92	23,741.77								
24910040	Prep procd rack 419 re-install-UCLA Reflectomet	3	24OCT11	24OCT11	26OCT11	26OCT11	0	92	4,668.16								
24910080	Dsgn rack 431-435 re-installtn-VV T/C/magnetics	45	27OCT11	27OCT11	09JAN12	09JAN12	0	92	70,496.64								
24910090	Prep procd rack 431-435 re-instln-VV T/C/magnetic	5	10JAN12	10JAN12	16JAN12	16JAN12	0	92	6,859.84								
24910180	Design rack 440 re-installation - SPRED	13	17JAN12	17JAN12	02FEB12	02FEB12	0	92	19,587.20								
24910190	Prep procd rack 440 re-installtn-SPRED	3	03FEB12	03FEB12	07FEB12	07FEB12	0	92	4,668.16								
24910230	Dsgn rack 441-445 re-installtn-VV ion gages/RGA	46	08FEB12	08FEB12	11APR12	11APR12	0	92	65,142.48								
24910240	Prep procd rack 441-445 re-instln-VV ion gage/RGA	5	12APR12	12APR12	18APR12	18APR12	0	92	6,859.84								
24910280	Design rack 447-448 re-installation-Fiber Optics	17	19APR12	19APR12	11MAY12	11MAY12	0	92	23,970.56								
24910290	Prep procd rack 447-448 re-instaltn-Fiber Optics	3	14MAY12	14MAY12	16MAY12	16MAY12	0	92	4,668.16								
24910330	Design rack 449 re-installation - Glow Discharge	45	17MAY12	17MAY12	20JUL12	20JUL12	0	92	67,916.64								
24910340	Prep procedure rack 449 re-install-Glow Discharge	5	23JUL12	23JUL12	27JUL12	27JUL12	0	92	6,859.84								
24910400	Dsgn rack 488 reinstal-Dep monitr/fast xray	20	30JUL12	30JUL12	24AUG12	24AUG12	0	92	28,638.72								
24910410	Prp procd rck 488 re-inst-Dep monitr/fast xray	5	27AUG12	27AUG12	31AUG12	31AUG12	0	92	6,859.84								
24910470	Design rack re-installation - PSI Camera	20	04SEP12	04SEP12	01OCT12	01OCT12	0	92	28,669.56								
24910480	Prep procedure rack re-installation - PSI Camera	5	02OCT12	02OCT12	08OCT12	08OCT12	0	92	7,007.04								
24910520	Dsgn rack reinstallation-Ultra Fast X-ray Camera	20	09OCT12	09OCT12	05NOV12	05NOV12	0	92	29,255.52								
24910530	Prp procd rack re-install-Ultra Fast X-ray Camera	5	06NOV12	06NOV12	12NOV12	12NOV12	0	92	7,007.04								
24910570	Dsgn rack re-install- Transmissn Grating Spectrom	13	13NOV12	13NOV12	03DEC12	03DEC12	0	92	15,958.08								
24910580	Prp procd rack re-install-Transm Grating Spectrom	3	04DEC12	04DEC12	06DEC12	06DEC12	0	92	7,409.28								
24910600	Design rack re-installation -IR Camera at Bay L	12	07DEC12	07DEC12	02JAN13	02JAN13	0	92	18,891.84								
24910610	Prep procd rack re-installtn-IR Camera at Bay L	3	03JAN13	03JAN13	07JAN13	07JAN13	0	92	4,769.28								
24910630	Design rack re-installation - IR Camera at Bay K	24	01OCT12*	01OCT12*	01NOV12	01NOV12	0	52	41,651.04								
24910640	Prep procedure rack re-install-IR Camera at Bay K	3	02NOV12	02NOV12	06NOV12	06NOV12	0	52	4,769.28								
24910660	Dsgn rack re-install-Reconf AC & Diagnostic Trays	45	07NOV12	07NOV12	21JAN13	21JAN13	0	52	79,945.44								
24910670	Prp procd rack re-install-Reconf AC & Diagnt Tray	5	22JAN13	22JAN13	28JAN13	28JAN13	0	52	7,007.04								
24910730	Prep procd Equipm re-instln Bay J-Two gas injectr	10	29JAN13	29JAN13	11FEB13	11FEB13	0	52	14,171.20								
24910780	Prep procd Equipm re-instln Bay J-Reflectometer	5	12FEB13	12FEB13	18FEB13	18FEB13	0	52	7,085.60								

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	FY					
											FY11	FY12	FY13	FY14	FY15	FY16
24910830	Prep procd Equipt reinstln Bay J-Bolometer	5	19FEB13	19FEB13	25FEB13	25FEB13	0	52	7,085.60							
24910880	Prep procd Equipt reinstln Bay J-RF Prove	5	26FEB13	26FEB13	04MAR13	04MAR13	0	52	7,085.60							
24910930	Prep procd Equipt reinstln Bay J-S-Flip	5	05MAR13	05MAR13	11MAR13	11MAR13	0	52	7,085.60							
24910980	Prep procd Equipt reinstln Bay J-SSNPA	5	12MAR13	12MAR13	18MAR13	18MAR13	0	52	7,085.60							
24911030	Prep procd Equip reinst Bay J-Re-entrant Window	5	19MAR13	19MAR13	25MAR13	25MAR13	0	52	7,085.60							
24911180	Prep procd Equip reinst NB2 Duct-IR Window f/Cam	5	26MAR13	26MAR13	01APR13	01APR13	0	52	7,085.60							
24911230	Prep procd EQ reinst NB2 Duct-Trans Gratng Spect	5	02APR13	02APR13	08APR13	08APR13	0	52	7,085.60							
24911280	Prep procd EQ reinstal New pmp duct-VV Ion Gages	5	09APR13	09APR13	15APR13	15APR13	0	52	7,085.60							
24911340	Design Equip re-installatn Bay L - SPRED	10	16APR13	16APR13	29APR13	29APR13	0	52	18,274.40							
24911350	Prep procedure Equip re-installatn Bay L -SPRED	3	30APR13	30APR13	02MAY13	02MAY13	0	52	4,773.76							
24911360	Procure Equipment re-installatn Bay L - SPRED	1	03MAY13	03MAY13	03MAY13	03MAY13	0	204	4,057.12							
24911370	Fabrication Equipment re-installatn Bay L-SPRED	5	06MAY13	06MAY13	10MAY13	10MAY13	0	204	8,886.40							
24911410	Prelim Design New Pump Duct - RGA	10	03MAY13	03MAY13	16MAY13	16MAY13	0	52	25,360.00							
24911420	Final Design New Pump Duct - RGA	10	17MAY13	17MAY13	31MAY13	31MAY13	0	52	25,360.00							
24911430	Prep procd Equip reinstalltn New Pump Duct - RGA	5	03JUN13	03JUN13	07JUN13	07JUN13	0	52	7,011.52							
24911440	Procure Equipment re-installatn New Pump Duct-RGA	1	10JUN13	10JUN13	10JUN13	10JUN13	0	184	11,977.12							
24911480	Design Bay L - LOWEUS	10	10JUN13	10JUN13	21JUN13	21JUN13	0	52	18,274.40							
24911490	Prep procedure Equip re-installatn Bay L-LOWEUS	3	24JUN13	24JUN13	26JUN13	26JUN13	0	52	4,773.76							
24911500	Procure Equipment re-installatn Bay L-LOWEUS	1	27JUN13	27JUN13	27JUN13	27JUN13	0	161	1,417.12							
24911510	Fabrication Equipment re-installatn Bay L-LOWEUS	10	28JUN13	28JUN13	15JUL13	15JUL13	0	161	8,886.40							
24911530	Design Bay L - IR Camera	6	27JUN13	27JUN13	08JUL13	08JUL13	0	52	15,189.12							
24911540	Prep procd Equip re-installatn Bay L- IR Camera	3	09JUL13	09JUL13	11JUL13	11JUL13	0	52	4,237.92							
24911550	Procure Equip re-installatn Bay L- IR Camera	1	12JUL13	12JUL13	12JUL13	12JUL13	0	162	2,640.00							
24911580	Design Bay L - Glow Discharge	10	12JUL13	12JUL13	25JUL13	25JUL13	0	52	18,274.40							
24911590	Prep procd EQ re-installatn Bay L-Glow Discharge	3	26JUL13	26JUL13	30JUL13	30JUL13	0	52	4,773.76							
24911600	Procure EQ re-installatn Bay L-Glow Discharge	1	31JUL13	31JUL13	31JUL13	31JUL13	0	52	4,057.12							
24911610	Fabrication EQ re-installatn Bay L-Glow Discharge	10	01AUG13	01AUG13	14AUG13	14AUG13	0	52	8,886.40							
24911700	Design 5 sections of Platform EI 118' W Side NTC	10	15AUG13	15AUG13	28AUG13	28AUG13	0	52	18,646.72							
24911710	Prep procd 5 sections of Platform EI 118' W Side	3	29AUG13	29AUG13	03SEP13	03SEP13	0	52	4,251.36							
24911720	Fab 5 sections of Platform EI 118' W Side NTC	20	04SEP13	04SEP13	01OCT13	01OCT13	0	106	53,275.36							
24911740	Fin Dsgn Power/Ground/Light @ Platform WSide NTC	20	04SEP13	04SEP13	01OCT13	01OCT13	0	52	31,946.16							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl							
											FY11	FY12	FY13	FY14	FY15	FY16	
24911760	Procurements Power/Ground/Light @ Platform W NTC	1	02OCT13	02OCT13	02OCT13	02OCT13	0	105	5,400.00								
24911780	Design 42 Ckt Panel NTC/30 Ckt Panel Gallery	25	02OCT13	02OCT13	05NOV13	05NOV13	0	52	34,749.76								
24911790	Prep procd 42 Ckt Panel NTC/30 Ckt Panel Gallery	3	06NOV13	06NOV13	08NOV13	08NOV13	0	52	4,927.84								
24911800	Procuremnt 42 Ckt Panel NTC/30 Ckt Panel Gallery	1	11NOV13	11NOV13	11NOV13	11NOV13	0	77	81,000.00								
24911940	Prel Dsgn New Pmp Duct-Tank Farm/TMB Sys/Gas Sol	10	11NOV13	11NOV13	22NOV13	22NOV13	0	52	26,219.20								
24911950	Fin Dsgn New Pmp Duct-Tank Farm/TMB Sys/Gas Sol	10	25NOV13	25NOV13	10DEC13	10DEC13	0	52	26,219.20								
24911960	Prep proc EQ Reinst New Pmp Duct-Tank Farm/TMB S	5	11DEC13	11DEC13	17DEC13	17DEC13	0	52	14,651.20								
24911970	Proc EQ Reinst New Pmp Duct-Tank Farm/TMB Sys/Ga	1	18DEC13	18DEC13	18DEC13	18DEC13	0	52	18,900.00								
Re-Installation																	
24910049	BEGIN RE-INSTALLATION OF DIAGNOSTICS	0			12FEB14	12FEB14	0	20	0.00								
24910050	re-install rack 419 - UCLA Reflectometer	6	13FEB14	13FEB14	20FEB14	20FEB14	0	22	11,294.64								
24910100	re-install rack 431-435 - VV T/C & magnetics	30	21FEB14	21FEB14	03APR14	03APR14	0	22	68,132.72								
24910200	re-install rack 440 - SPRED	8	04APR14	04APR14	15APR14	15APR14	0	22	15,805.80								
24910250	re-install rack 441-445 - VV ion gages, RGA	20	19MAR14	19MAR14	15APR14	15APR14	0	22	42,692.40								
24910300	re-install rack 447-448 - Fiber Optics	10	29APR14	28APR14	12MAY14	09MAY14	1	14	14,455.80								
24910350	re-install rack 449 - Glow Discharge	15	23JAN14	23JAN14	12FEB14	12FEB14	0	35	31,611.60								
24910420	re-install rack 488-Dep monitor/fast xray	10	13FEB14	13FEB14	26FEB14	26FEB14	0	35	21,993.12								
24910490	re-install rack - PSI Camera	10	27FEB14	27FEB14	12MAR14	12MAR14	0	35	21,074.40								
24910540	re-install rack - Ultra Fast X-ray Camera	10	13MAR14	13MAR14	26MAR14	26MAR14	0	35	21,074.40								
24910590	re-install rack-Transmission Grating Spectrometr	7	27MAR14	27MAR14	04APR14	04APR14	0	35	14,752.08								
24910620	re-install rack - IR Camera at Bay L	4	07APR14	07APR14	10APR14	10APR14	0	35	8,699.76								
24910650	re-install rack - IR Camera at Bay K	15	13MAY14	12MAY14	03JUN14	02JUN14	1	14	31,611.60								
24910680	re-install rack-Reconfigure AC & Diagnostic tray	30	13FEB14	13FEB14	26MAR14	26MAR14	0	20	82,417.52								
24910740	re-install Equipment Bay J - Two gas injectors	10	27MAR14	27MAR14	09APR14	09APR14	0	20	21,074.40								
24910790	re-install Equipment Bay J - Reflectomer	20	10APR14	10APR14	07MAY14	07MAY14	0	20	49,436.00								
24910840	re-install Equipment Bay J - Bolometer	20	10APR14	10APR14	07MAY14	07MAY14	0	20	49,436.00								
24910890	re-install Equipment Bay J - RF Prove	20	10APR14	10APR14	07MAY14	07MAY14	0	20	49,436.00								
24910940	re-install Equipment Bay J - S-Flip	15	17APR14	17APR14	07MAY14	07MAY14	0	20	49,436.00								
24910990	re-install Equipment Bay J - SSNPA	20	13FEB14	13FEB14	12MAR14	12MAR14	0	36	49,436.00								
24911040	re-install Equipment Bay J - Re-entrant Window	1	13MAR14	13MAR14	13MAR14	13MAR14	0	36	1,053.72								
24911190	re-install Equipment NB2 Duct-IR Window f/Camera	3	14MAR14	14MAR14	18MAR14	18MAR14	0	36	3,161.16								
24911240	reinstall Equip NB2 Duct-Transm Grating Spectro	20	19MAR14	19MAR14	15APR14	15APR14	0	36	49,436.00								

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	FY					
											FY11	FY12	FY13	FY14	FY15	FY16
24911290	reinstall EQ New pump duct-VV Ion Gages/Filament	20	08MAY14	08MAY14	05JUN14	05JUN14	0	20	49,436.00							
24911380	re-install Bay L - SPRED	20	13FEB14	13FEB14	12MAR14	12MAR14	0	25	42,148.80							
24911450	Re-install New Pump Duct - RGA	20	13MAR14	13MAR14	09APR14	09APR14	0	25	42,148.80							
24911520	re-install Bay L - LOWEUS	20	13MAR14	13MAR14	09APR14	09APR14	0	25	42,148.80							
24911570	re-install Bay L - IR Camera	15	20MAR14	20MAR14	09APR14	09APR14	0	25	16,480.80							
24911620	re-install Bay L - Glow Discharge	20	10APR14	10APR14	07MAY14	07MAY14	0	25	42,148.80							
24911730	instl 5 sections of Platform EI 118' W Side NTC	5	08MAY14	08MAY14	14MAY14	14MAY14	0	25	21,912.80							
24911770	Install Power/Ground/Light @ Platform W Side NTC	10	15MAY14	15MAY14	29MAY14	29MAY14	0	25	21,074.40							
24911810	Install 42 Ckt Panel NTC/30 Ckt Panel Gallery	20	01MAY14	01MAY14	29MAY14	29MAY14	0	25	49,436.00							
24911980	Reinstall New Pmp Duct-Tank Farm/TMB Sys/Gas So	50	20MAR14	20MAR14	29MAY14	29MAY14	0	25	110,818.72							
24911999	DIAGNOSTICS RE-INSTALLED	0			29MAY14	29MAY14	0	25	0.00							

24910001	Test Cell Oversight during diag removals	169	03APR12	03APR12	30NOV12	30NOV12	0	184	158,321.15							
24910002	Test Cell Oversight during diag re-installation	87	13FEB14	13FEB14	16JUN14	16JUN14	0	74	266,711.52							
FY092490	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		143,025.00	100						
FY102490	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A	0		115,145.00	100						
FY102490A	FY10 Actual Cost	45	01JUN10A	01JUN10A	30JUL10A	30JUL10A	0		20,036.00							

Job: 3200 - Water Cooling System Mods-DENault

3200-0015	Prelim Dsn-Design Drawings	30	03MAY10A	03MAY10A	14JUN10A	14JUN10A	0		0.00	100						
3200-0016	Prelim Dsn-PDR Prep	5	15JUN10A	15JUN10A	21JUN10A	21JUN10A	0		0.00	100						
3200-0017	Prelim Dsn-CONDUCT PDR	2	22JUN10A	22JUN10A	23JUN10A	23JUN10A	0		0.00	100						
3200-0021	Final Design-Disposition PDR Chits	2	24JUN10A	24JUN10A	25JUN10A	25JUN10A	0		0.00	100						
3200-0022	Final Design-Design Drawings	30	01OCT10*	01DEC10*	11NOV10	19JAN11	-41	1	16,614.80							
3200-0023	Final Design-Update Analyses	81	12NOV10	20JAN11	01MAR11	12MAY11	-52	1	14,035.60							
3200-0024	Final Design-Update Cost & Schedule Estimate	10	02MAR11	13MAY11	15MAR11	26MAY11	-52	1	12,656.80							
3200-0025	Final Design-Prep Procurement Specs	5	16MAR11	27MAY11	22MAR11	03JUN11	-52	1	6,328.40							
3200-0026	Final Design-FDR Prep	5	23MAR11	06JUN11	29MAR11	10JUN11	-52	1	6,328.40							
3200-0026A	Water Cooling System - Peer review	0				16MAY11*	0	2,328	0.00							
3200-0027	Final Design-CONDUCT FDR	2	30MAR11	13JUN11	31MAR11	14JUN11	-52	1	2,531.36							
3200-0055	Bus Work Cooling	10	11JUN14	11JUN14	24JUN14	24JUN14	0	31	34,311.60							
3200-0057	Flow Sensors	5	25JUN14	25JUN14	01JUL14	01JUL14	0	31	28,304.40							

EA/SB =80 ; EE/EM =20 ;
EM/EM =20 ;

EA/EM =40 ; EM/EM =40 ;

- EM/EM =80 ;
- EM/EM =40 ;
- EM/EM =40 ;

EM/EM =16 ;

41=5,000 ; EM/ST =240 ;

41=5,000 ; EE/TB =80 ;
EM/ST =120 ;

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	FY					
											FY11	FY12	FY13	FY14	FY15	FY16
3200-0059	Modify Manifold	10	02JUL14	02JUL14	16JUL14	16JUL14	0	31	34,311.60							
3200-0061	Fab & Connect Lines	5	17JUL14*	17JUL14*	23JUL14	23JUL14	0	31	20,530.80							
3200-0063	Leak Check	2	24JUL14	24JUL14	25JUL14	25JUL14	0	31	3,674.88							
FY093000	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		5,447.00	100						
FY103000	FY10 Actual Cost	40	01OCT09A	01OCT09A	30NOV09A	30NOV09A	0		3,956.00							
FY103200	FY10 Actual Cost	22	01APR10A	01APR10A	30APR10A	30APR10A	0		1,301.00	100						
FY103200A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		4,904.00							

Job: 3300 - Bakeout System Mods for CSU-RAKI

3300-105	Bakeout- Prelim Design	37	03MAY10A	03MAY10A	23JUN10A	23JUN10A	0		0.00	100						
3300-110	Bakeout-PDR	0			23JUN10A	23JUN10A	0		0.00	100						
3300-115	Bakeout-Final Design	75*	01FEB11*	01FEB11*	16MAR11	16MAY11	-43	21	4,764.80							
3300-117	Bakeout-Peer Review	0				30MAR11*		0	2,361	0.00						
3300-120	Bakeout-FDR	0			16MAR11	15JUN11*	-64	0	0.00							
3300-125	Bakeout-Procure Hardware	130	01OCT13*	01OCT13*	14APR14	14APR14	0	13	50,007.84							
3300-130	Bakeout-Assembly	65	15APR14	15APR14	16JUL14	16JUL14	0	13	5,986.24							
3300-135	Bakeout-Installation	20	17JUL14	17JUL14	13AUG14	13AUG14	0	13	9,988.84							
3300-140	Bakeout-Test	5	14AUG14	14AUG14	20AUG14	20AUG14	0	13	8,434.12							
3300-PEER	Bakeout-FDR	0				24JUN11*		0	2,300	0.00						

Job: 3400 - Gas Delivery System Mods-BLANCHARD

3400-0016	Update Cost & Schedule Estimate - Gas Delivery S	2	03MAY10A	03MAY10A	04MAY10A	04MAY10A	0		0.00	100						
3400-0017	Design Drawings - Gas Delivery Sys Mod	3	05MAY10A	05MAY10A	07MAY10A	07MAY10A	0		0.00	100						
3400-0018	PDR Prep - Gas Delivery Sys Mod	9	10JUN10A	10JUN10A	22JUN10A	22JUN10A	0		0.00	100						
3400-0019	CONDUCT PDR - Gas Delivery Sys Mod	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A	0		0.00	100						
3400-0022	Disposition PDR Chits - Gas Delivery Sys Mod	2	23JUN10A	23JUN10A	24JUN10A	24JUN10A	0		0.00	100						
3400-0023	Design Drawings - Gas Delivery Sys Mod	55	03JAN11*	03JAN11*	28JAN11	18MAR11	-35	4	10,148.00							
3400-0025	Update Cost & Schedule Estimate - Gas Delivery S	5	31JAN11	21MAR11	04FEB11	25MAR11	-35	4	3,797.04							
3400-0027	FDR Prep - Gas Delivery Sys Mod	52	07FEB11	28MAR11	18MAR11	08JUN11	-57	4	23,731.50							
3400-0027A	Gas Delivery System - Peer review	0				16MAY11*		0	2,328	0.00						
3400-0028	CONDUCT FDR	1	28MAR11*	09JUN11*	28MAR11	09JUN11	-52	4	632.84							
3400-0046	Shop Fabrication - Gas Delivery Sys Mod	1	01OCT13*	01OCT13*	01OCT13	01OCT13	0	205	1,837.44							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	FY16
3400-0047	Assembly - Gas Delivery Sys Mod	1	02OCT13	02OCT13	02OCT13	02OCT13	0	205	1,837.44							
3400-0050	Installation Procedure/Oversight - Gas Delivery	6	03OCT13	03OCT13	10OCT13	10OCT13	0	205	13,186.08							
3400-0051	Machine Installation - Gas Delivery Sys Mod	13	11OCT13	11OCT13	29OCT13	29OCT13	0	205	23,886.72							
3400-0052	PTP Testing/Programming - Gas Delivery Sys Mod	7	30OCT13	30OCT13	07NOV13	07NOV13	0	205	20,511.68							
FY103400	FY10 Actual Cost	17	01DEC09A	01DEC09A	23DEC09A	23DEC09A	0		1,318.00	100						
FY103400A	FY10 Actual Cost	130	01APR10A	01APR10A	30SEP10A	30SEP10A	0		1,402.00							

Job: 4100 - Center Stack Diagnostics-KAITA

4100-0017	Prelim Dsn-Design Drawings	25	03MAY10A	03MAY10A	07JUN10A	07JUN10A	0		0.00	100						
4100-0018	Prelim Dsn-PDR Prep	10	08JUN10A	08JUN10A	21JUN10A	21JUN10A	0		0.00	100						
4100-0019	Prelim Dsn-CONDUCT PDR	2	22JUN10A	22JUN10A	23JUN10A	23JUN10A	0		0.00	100						
4100-0022	Final Dsn-Disposition PDR Chits	10	08JUN10A	08JUN10A	21JUN10A	21JUN10A	0		0.00	100						
4100-0023	Final Dsn-Design Drawings	116*	09MAR11	01NOV10A	29MAR11	21APR11	-17	250	40,239.40	50						
4100-0025	Final Dsn-Update Cost & Schedule Estimate	10	30MAR11	16MAY11	12APR11	27MAY11	-33	240	20,159.60							
4100-0026	Final Dsn-Prep Procurement Specs	16	06APR11	06MAY11	12APR11	27MAY11	-33	240	10,079.80							
4100-0027	Final Dsn-FDR Prep	19	13APR11	31MAY11	26APR11	24JUN11	-42	240	19,572.40							
4100-0027A	CS Diagnostic - Peer review	0				16MAY11*	0	2,328	0.00							
4100-0028	Final Dsn-CONDUCT FDR	2	27APR11	27JUN11	28APR11*	28JUN11*	-42	240	1,324.40							
4100-0032	Wire/Cables-Prep Requisition and procurement pac	15	02APR12*	02APR12*	20APR12	20APR12	0	37	32,627.60							
4100-0033	Wire/Cables-SUBMIT REQ TO PROCUREMENT	5	23APR12	23APR12	27APR12	27APR12	0	37	7,261.60							
4100-0034	Wire/Cables-Procurement lead time (1)	25	30APR12	30APR12	04JUN12	04JUN12	0	37	0.00							
4100-0035	Wire/Cables-AWARD	1	05JUN12	05JUN12	05JUN12	05JUN12	0	37	7,261.60							
4100-0036	Wire/Cables-Fabricate or delivery	130	06JUN12	06JUN12	10DEC12	10DEC12	0	37	71,643.14							
4100-0038	Coils w/mandrels -Prep Requisition & procurement	15	02APR12*	02APR12*	20APR12	20APR12	0	37	24,764.10							
4100-0039	Coils w/mandrels - SUBMIT REQ TO PROCUREMENT	5	23APR12	23APR12	27APR12	27APR12	0	37	3,630.80							
4100-0040	Coils w/mandrels - Procurement lead time (1)	25	30APR12	30APR12	04JUN12	04JUN12	0	37	0.00							
4100-0041	Coils w/mandrels - AWARD	1	05JUN12	05JUN12	05JUN12	05JUN12	0	37	0.00							
4100-0042	Coils w/mandrels - Fabricate or delivery	130	06JUN12	06JUN12	10DEC12	10DEC12	0	37	120,564.54							
4100-0045	Fab/Assy Procedure	20	06JUN12	06JUN12	03JUL12	03JUL12	0	147	18,266.88							

EM//ST =16 ;

EM//EM =72 ;

EM//ST =208 ;

EM//EM =112 ;

EE//SM =20 ; EM//ST =20 ;

EM//EM =40 ; EE//EM =80 ;

EA//SB =120 ;

EM//EM =40 ; EE//EM =80 ;

EM//EM =20 ; EE//EM =40 ;

EE//EM =40 ; EM//EM =80 ;

EE//EM =04 ; EM//EM =04 ;

EE//EM =40 ; EE//SM =40 ;

EM//ST =40 ; EM//EM =80 ;

EE//EM =20 ; EM//EM =20 ;

EE//EM =20 ; EM//EM =20 ;

41=19,000 ; EE//SM =120 ;

EM//ST =240 ;

EE//EM =10 ; EM//ST =20 ;

EE//SM =40 ; EM//EM =80 ;

EE//EM =10 ; EM//EM =10 ;

41=40,000 ; EM//EM =40 ;

EM//ST =120 ; EM//SM =120 ;

EE//SM =160 ;

EE//EM =12 ; EE//SM =20 ;

EM//ST =20 ; EM//EM =60 ;

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY						
											FY11	FY12	FY13	FY14	FY15	FY16	
4100-0046	Shop Fabrication	65	11DEC12*	11DEC12*	20MAR13	20MAR13	0	37	119,716.30								EE//EM =10 ; EM//SM =40 ; EM//EM =180 ; EM//ST =240 ; EE//SM =300 ;
4100-0047	Assembly	65	21MAR13	21MAR13	20JUN13	20JUN13	0	37	114,001.78								EE//EM =10 ; EM//EM =132 ; EE//SM =280 ; EM//ST =360 ;
4100-0050	Installation Procedure (ex-vessel only)	15	01OCT12*	01OCT12*	19OCT12	19OCT12	0	201	29,835.40								EE//SM =20 ; EE//EM =40 ; EM//ST =40 ; EM//EM =80 ;
4100-0051	Machine Installation (ex-vessel only)	30	21JUN13	21JUN13	05AUG13	05AUG13	0	37	65,733.40								EE//EM =20 ; EM//EM =40 ; EM//ST =180 ; EE//SM =200
4100-0052	PTP Testing	15	06AUG13	06AUG13	26AUG13	26AUG13	0	37	37,234.40								EE//EM =20 ; EM//EM =40 ; EE//SM =100 ; EM//ST =80 ;
4100-0056	Mount Diagnostics in PFC Tiles	40	25APR13	25APR13	20JUN13	20JUN13	0	82	0.00								
4100-FY09	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0	0	11,000.00	100							
FY104000	FY10 Actual Cost	40	01JAN10A	01JAN10A	26FEB10A	26FEB10A	0	0	-1,729.00								
FY104100	FY10 Actual Cost	65	01FEB10A	01FEB10A	30APR10A	30APR10A	0	0	12,432.00	100							
FY104100A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0	0	69,954.00								

Job: 4500 - MPTS VV Modification-Labik

Design

MPTS-0003	PREPARE WORK PLANNING FORM	49*	11OCT10*	11OCT10A	12OCT10	20DEC10	-47	108	1,265.68	90							EM//EM =8 ;
MPTS-0004	Prep System Description	108*	16AUG10A	16AUG10A	25JAN11	25JAN11	0	88	3,068.50	50							EM//EM =20 ; R///RM =0 ;
MPTS-0007	Mechanical Design Bay L - Phase 1	69*	01OCT10	01OCT10A	17JAN11	17JAN11	0	94	31,726.30	80							EM//EM =90 ; EA//SB =140 ;
MPTS-0008	Port Support Design Bay L	18	18JAN11*	18JAN11*	10FEB11	10FEB11	0	94	47,648.20								EM//EM =100 ; R///RM =40 ; EA//SB =200 ;
MPTS-0009	Stress Analysis - Bay L	93*	11AUG10A	11AUG10A	14JAN11	22DEC10	11	106	141,553.98	90							EM//EM =60 ; EA//EM =700 ; R///RM =20 ;
MPTS-0009A	Stress Analysis - Bay F	37*	01NOV10*	23DEC10*	21FEB11	21FEB11	0	106	52,830.00								EM//EM =20 ; EA//EM =240 ;
MPTS-0010	N/A Technical Support (see 0021)	49	01SEP10A	01SEP10A	01SEP10A	01SEP10A	0	0	0.00	100							
MPTS-0011	Conceptual Design presented at PDR	7	23AUG10A	23AUG10A	31AUG10A	31AUG10A	0	0	0.00	100							
MPTS-0011A	Conceptual Design Chits	20	01SEP10A	01SEP10A	29SEP10A	29SEP10A	0	0	0.00	100							
MPTS-0014	Mechanical Design Bay F - Phase 2	118	17JAN11*	17JAN11*	30JUN11	30JUN11	0	284	36,764.85								EM//EM =35 ; R///RM =0 ; EA//SB =250 ;
MPTS-0015	Port Support Design Bay F	86	20DEC10*	20DEC10*	26APR11	26APR11	0	312	48,366.35								EM//EM =100 ; R///RM =15 ; EA//SB =240 ;
MPTS-0020	CONDUCT PDR for MPTS	1	10FEB11*	10FEB11*	10FEB11	10FEB11	0	77	6,518.05								EM//EM =20 ; R///RM =5 ; EA//SB=20 ;
MPTS-0020A	Input for Global FDR	11	01MAR11*	01MAR11*	15MAR11	15MAR11	0	65	28,223.30								EM//EM =60 ; R///RM =20 ; EA//EM =60 ; EA//SB =30 ;
MPTS-0021	Technical Support General (LOE)	250*	01OCT10	01OCT10A	30SEP11	30SEP11	0	378	9,751.00	LOE							EM//EM =40 ; R///RM =20 ;
MPTS-0023	Disposition PDR Chits	33	15APR11*	15APR11*	01JUN11	01JUN11	0	287	17,911.60								EM//EM =60 ; R///RM =20 ; EA//SB =40 ;
MPTS-0023A	MPTS - Peer review	0				16MAY11*	0	2,328	0.00								
MPTS-0025	Design Pro E Model - Phase 1	218*	15SEP10A	15SEP10A	29JUL11	29JUL11	0	411	21,474.70	85							EM//EM =20 ; R///RM =20 ; EA//SB =120 ;
MPTS-0025A	Design Pro E Model - Phase 2	218*		15SEP10A		29JUL11	0	2,276	23,962.01	5							EM//EM =20 ; R///RM =20 ; EA//SB =140 ;

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY11						FY12						FY13						FY14						FY15						FY16					
MPTS-0026	Update Optic & Stress Analyses	113	21FEB11*	21FEB11*	29JUL11	29JUL11	0	359	20,505.40								EM//EM =20 ; EA//EM =90 ; R///RM =0 ;																													
MPTS-0027	Update Cost & Schedule Estimate	24	09MAY11*	09MAY11*	10JUN11	10JUN11	0	304	4,019.85								EM//EM =20 ; R///RM =5 ;																													
MPTS-0028	Final Design Changes	48	23MAY11*	23MAY11*	29JUL11	29JUL11	0	294	23,181.55								EM//EM =20 ; R///RM =5 ; EA//EM =80 ; EA//SB =30 ;																													
MPTS-0028A	CONDUCT FDR MPTS VV interface	18	07JUN11*	22JUN11*	30JUN11	18JUL11	-11	273	8,622.80								EM//EM =20 ; EA//SB =30 ; R///RM =10 ;																													
MPTS-0028C	CONDUCT FDR externals	18	30AUG11*	30AUG11*	23SEP11	23SEP11	0	2,237	13,369.60								EM//EM =20 ; EA//SB =20 ; EA??EM=40																													
MPTS-0029	Detail Drawings	43	31MAY11*	31MAY11*	29JUL11	29JUL11	0	289	15,655.20								EM//EM =20 ; R///RM =0 ; EA//SB =100 ;																													
MPTS-0030	FDR Chit Response	5	01JUL11	19JUL11	08JUL11	25JUL11	-11	273	24,430.65								EM//EM =20 ; R///RM =5 ; EA//EM =80 ; EA//SB =40 ;																													

Procurement

MPTS-0032	Bay L Wire Seal Flange & Nozzle w/Weld Prep	130	03OCT11*	03OCT11*	11APR12	11APR12	0	225	27,534.90								EM//EM =10 ; 41=20,000 ;																							
MPTS-0033	Bay L Port Cover	130	03OCT11*	03OCT11*	11APR12	11APR12	0	225	8,607.45								EM//EM =5 ; 41=6000 ;																							
MPTS-0035	Misc Materials	130	03OCT11*	03OCT11*	11APR12	11APR12	0	225	12,054.90								EM//EM 10 ; 41=8000 ;																							
MPTS-0036	Tooling	130	03OCT11*	03OCT11*	11APR12	11APR12	0	225	7,317.45								41=5000 ; em/em=5																							

Fabrication

MPTS-0038	Fabricate Tooling & New Port Support Assemblies	76	03JAN12*	03JAN12*	17APR12	17APR12	0	167	70,390.20								EM//EM =80 ; EM//SM =150 ; DP//TB =300 ;																							
MPTS-0039	POP Vessel Wall Plate and Nozzle Mockup	42	03MAY11*	03MAY11*	30JUN11	30JUN11	0	413	75,190.80								EM//EM =60 ; EM//SM =240 ; DP//TB =300 ;																							
MPTS-0041	Low Power Laser Holder for Bay L , F and F/G	15	18APR12	18APR12	08MAY12	08MAY12	0	212	27,456.20								EM//EM =20 ; EM//SM =40 ; DP//TB =60 ; EA//SB =80 ;																							

Installation

MPTS-0043A	Protective Enclosure Cutting Debris	12	01FEB12*	01FEB12*	16FEB12	16FEB12	0	270	19,802.60								EM//EM =20 ; DP//TB =160 ;																							
MPTS-0044	Installation Procedure	79	22MAR12	22MAR12	12JUL12	12JUL12	0	167	3,469.80								EM//EM =20 ;																							
MPTS-0045	SetUp Cutting Device Supp/Machine Penetr B-L/F/G	40	13JUL12	13JUL12	07SEP12	07SEP12	0	167	58,236.80								EM//SM =160 ; DP//TB =300 ;																							
MPTS-0046	Set Up New Ports Support Bays L&F	18	10SEP12	10SEP12	03OCT12	03OCT12	0	167	13,076.17								EM//SM =40 ; DP//TB =60 ;																							
MPTS-0047	Weld New Ports	23	04OCT12	04OCT12	05NOV12	05NOV12	0	167	14,279.00								DP//TB =120 ; EM//EM=10																							
MPTS-0048	Set up and Machine Bay F Edge	13	24APR13*	24APR13*	10MAY13	10MAY13	0	183	23,518.30								EM//EM =20 ; EM//SM =60 ; DP//TB =90 ;																							
MPTS-0050	Metrology Support & leak check ports	183	28FEB13	28FEB13	15NOV13	15NOV13	0	109	21,390.57								EM//EM =120 ;																							

FY104500A	FY10 Actuals Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		10,079.00																															
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Job: 5000 - CSU Power Systems-RAKI

51 - AC Power

510-003	51- AC Power -FINAL DESIGN PREP	78*	01DEC10*	01DEC10*	28MAR11	28MAR11	0	616	11,491.72								EA//SB =92 ;																							
510-005	51- AC Power -procedures, specs, revision	20	01JUL13*	01JUL13*	30JUL13	30JUL13	0	51	29,901.28								EE//EM =88 ; EA//SB =92 ;																							
510-009	51- AC Power -Procurement	65	31JUL13*	31JUL13*	30OCT13	30OCT13	0	51	47,885.54								41=36,000 ;																							
510-013	51- AC Power -Installation	20	31OCT13	31OCT13	27NOV13	27NOV13	0	51	84,847.52								EE//EM =24 ; EE//SM =80 ; EE//TB =120 ; 41=40,000 ;																							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	FY						
											FY11	FY12	FY13	FY14	FY15	FY16	
510-017	51- AC Power -Test&Commission	20	02DEC13	02DEC13	08JAN14	08JAN14	0	51	19,037.68		EE//EM =32 ; EE//SM =40 ; EE//TB =56 ;						
52 - AC/DC Converters																	
520-005	52 - AC/DC Converters - Dsn	20	10JUN13*	10JUN13*	09JUL13	09JUL13	0	46	2,667.44			EE//EM =08 ; EA//SB =08 ;					
520-009	52 - AC/DC Converters -Procurement	65	10JUL13*	10JUL13*	09OCT13	09OCT13	0	46	17,202.00			41=13,000 ;					
520-013	52 - AC/DC Converters -Reactivate	40	10OCT13	10OCT13	06DEC13	06DEC13	0	46	0.00								
520-017	52 - AC/DC Converters -Test&Commission	20	09DEC13	09DEC13	15JAN14	15JAN14	0	46	37,936.40		EE//EM =40 ; EE//SM =80 ; EE//TB =160 ;						
531 - FCPC DC PF1 & TF Systems																	
531-004	531- FCPC DC Systems FINAL DESIGN PREP	140	01DEC10*	01DEC10*	23JUN11	23JUN11	0	121	31,227.50			ea/sb=250					
531-005	531- FCPC DC Systems procedures, specs, revision	263	04OCT11*	04OCT11*	19OCT12	19OCT12	0	51	197,333.60			EE//EM =648 ; EA//SB =542 ;					
531-013	531- FCPC DC Systems-Procure 1000MCM Cable&Tray	260	13MAR12*	13MAR12*	27MAR13	27MAR13	0	142	205,337.60			41=157,500 ;					
531-017	531- FCPC DC Systems Cabling Changes	80	16SEP13*	16SEP13*	17JAN14	17JAN14	0	24	48,451.50			41=36,000 ;					
531-021	531- FCPC DC Systems -Procure OH Reactors	195	22OCT12	22OCT12	06AUG13	06AUG13	0	51	132,000.00			41=100,000 ;					
531-025	531- FCPC DC Systems -OH React Install	80	16SEP13*	16SEP13*	17JAN14	17JAN14	0	24	61,910.25			41=46,000 ;					
531-029	531- FCPC DC Systems-Install cable & misc h/w	80	01OCT13*	01OCT13*	03FEB14	03FEB14	0	13	913,018.00		EE//EM =240 ; EE//SM =520 ; EE//TB =1,240 ; 41=250,000 ; 48=285,000 ;						
531-033	531- FCPC DC Systems -Test&Commission	20	04FEB14	04FEB14	03MAR14	03MAR14	0	13	100,676.24		EE//EM =168 ; EE//SM =200 ; EE//TB =320 ;						
532 - FCPC PF5 DC Systems*NOT IN PROJECT SCOPE**																	
530XXX		1	01OCT10	01NOV10A	01OCT10	01NOV10A	-21		0.00	100							
532 - TA-NTC DC Systems																	
532-003	532- PCTS Changes -FINAL DESIGN PREP	99*	01DEC10*	01DEC10*	26APR11	26APR11	0	415	7,494.60			EA//SB =60 ;					
532-005	532- PCTS Changes -procedures, specs, revision	65	31OCT12*	31OCT12*	11FEB13	11FEB13	0	34	8,391.60			EE//EM =24 ; EA//SB =60 ;					
532-009	532- PCTS Changes -Procurement	140	12FEB13*	12FEB13*	29AUG13	29AUG13	0	34	19,800.00			41=15,000 ;					
532-013	532- PCTS Changes -Installation	80	23SEP13*	23SEP13*	24JAN14	24JAN14	0	19	73,484.41		EE//EM =16 ; EE//SM =80 ; EE//TB =160 ; 41=30,000 ;						
532-017	532- PCTS Changes -Test&Commission	20	27JAN14	27JAN14	21FEB14	21FEB14	0	19	4,594.16		EE//EM =08 ; EE//SM =08 ; EE//TB =16 ;						
54 - Control & Protection System																	
541-001	Control & Protection Systems- FINAL DESIGN PREP	140	01DEC10*	01DEC10*	23JUN11	23JUN11	0	38	37,473.00			EA//SB = 300 ;					
541-005	541 - Electrical Interlocks -proced, specs, revs	433	24JUN11	24JUN11	21MAR13	21MAR13	0	46	203,256.67			EE//EM =772 ; EA//SB =428 ;					
541-009	541 - Electrical Interlocks -Procurement PLC	80	22MAR13*	22MAR13*	16JUL13	16JUL13	0	46	134,640.00			41=102,000 ;					
541-013	541 - Electrical Interlocks -Installation	80	19AUG13*	19AUG13*	11DEC13	11DEC13	0	23	389,491.44		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	0	23	30,744.40		EE//EM =40 ; EE//SM =40 ; EE//TB =160 ;						
542-005	542 - Kirk Key Interlocks -Dsn	536	24JUN11	24JUN11	16AUG13	16AUG13	0	38	18,490.16			EE//EM =40 ; EA//SB =80 ;					
542-009	542 - Kirk Key Interlocks -Procurement	65	19AUG13*	19AUG13*	18NOV13	18NOV13	0	38	20,042.31			41=15,000 ;					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	FY11						FY12						FY13						FY14						FY15						FY16					
542-013	542 - Kirk Key Interlocks -Installation	20	19NOV13	19NOV13	18DEC13	18DEC13	0	38	22,054.48								EE//EM =16 ; EE//SM =40 ;																													
542-017	542 - Kirk Key Interlocks -Test&Commission	20	19DEC13	19DEC13	27JAN14	27JAN14	0	38	26,857.60								EE//TB =120 ;																													
543-005	543 - Real Time Control -Develop algorithms	100	15AUG13*	15AUG13*	16JAN14	16JAN14	0	45	190,109.57														EE//EM =960 ;																							
545-005	545 - Instrumentation -Dsn	480	24JUN11	24JUN11	28MAY13	28MAY13	0	74	56,776.90														EE//EM =200 ; EA//SB =140 ;																							
545-009	545 - Instrumentation -Procure Transducers	120	15JUL13*	15JUL13*	13JAN14	13JAN14	0	43	306,001.25														41=229,000 ;																							
545-013	545 - Instrumentation -Installation	50	14JAN14	14JAN14	24MAR14	24MAR14	0	43	198,469.52								EE//EM =104 ; EE//SM =128 ;																													
545-017	545 - Instrumentation -Test&Commission	20	25MAR14	25MAR14	21APR14	21APR14	0	43	68,646.64								EE//TB =480 ; 41=80,000 ;																													
546-005	546 - Coil Analog Protection Dsn	431	24JUN11	24JUN11	19MAR13	19MAR13	0	51	94,196.36								EE//EM =128 ; EE//SM =88 ;																													
546-009	546 - Coil Analog Protection -Procurement	112	20MAR13*	20MAR13*	27AUG13	27AUG13	0	51	10,560.00														EE//TB =280 ;																							
546-013	546 - Coil Analog Protection -Installation	20	28AUG13*	28AUG13*	25SEP13	25SEP13	0	51	58,349.60														EE//EM =400 ; EA//SB =140 ;																							
546-017	546 - Coil Analog Protection -Test&Commission	65	26SEP13	26SEP13	08JAN14	08JAN14	0	51	29,492.94														41=8,000 ;																							
																	EE//EM =80 ; EE//SM =160 ;																													
																	EE//TB =160 ; 41=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	0	1,490	412,014.46	LOE							EE//EM =1,320 ;						41=45,000 ;											
551-001A	551 - FDR Transition Area	58*	01DEC10*	01DEC10*	28FEB11	28FEB11	0	76	0.00								EE//EM =0 ; EA//SB =0 ;																	
551-008	551 - FDR PF1a	81*	01DEC10*	01DEC10*	31MAR11	31MAR11	0	53	35,736.00								EE//EM =120 ; EA//SB =120 ;																	
551-009	551 - FDR TF/OH	76	15DEC10*	15DEC10*	07APR11	07APR11	0	123	35,736.00								EE//EM =120 ; EA//SB =120 ;																	
551-009A	CSU Power System - Peer review	0				16MAY11*	0	2,328	0.00																									
552-001	552 - System Testing -Prepare Procedures	90	15OCT13	15OCT13	03MAR14	03MAR14	0	13	41,367.60								EE//EM =120 ; EA//SB =120 ;																	
552-003	552 - System Testing -Testing	65	04MAR14	04MAR14	03JUN14	03JUN14	0	13	156,125.36								EE//EM =448 ; EE//SM =80 ;						EE//TB =536 ;											

FY095000	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		385,771.00	100																								
FY105000	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A	0		623,027.00	100																								
FY105000A	FY10 Actual Cost	130	01APR10A	01APR10A	30SEP10A	30SEP10A	0		94,238.00																									

Job: 5200 - Digital Coil Protection-HATCHER

04	Project Oversight	620*	01NOV10*	01NOV10A	29APR13	29APR13	0	1,841	248,849.99	LOE							EE//EM=1350																	
20	Systems Code Development	120*	01NOV10*	01NOV10A	27APR11	27APR11	0	2,341	27,662.40	20							EE//EM=160																	
08	Prep System Description	23*	08NOV10*	08NOV10A	12NOV10	10DEC10	-18	1,896	3,457.80	5							EE//EM=20																	
11	Digital Conceptual Design	40	15NOV10	15NOV10A	19JAN11	16FEB11	-20	1,896	22,957.88	5							EE//EM=108; EC//EM=32																	
10	Analog Conceptual Design	40*	15NOV10	15NOV10A	19JAN11	19JAN11	0	1,926	18,672.12	5							EE//EM=108																	
12	Conceptual Design Analysis & Alg. Prep.	100*	15NOV10	15NOV10A	13APR11	13APR11	0	2,351	56,616.60	5							EE//EM=60; EA//EM=240																	

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY11						FY12						FY13						FY14						FY15						FY16																	
09	Prep System Requirements	18*	15NOV10	15NOV10A	07DEC10	10DEC10	-3	2,433	12,102.30	5	EE//EM=70																																															
13	CDR Prep. & Review	5	20JAN11	17FEB11	26JAN11	23FEB11	-20	1,896	8,457.04		EE//EM=40;EA//EM=8																																															
16	CDR Chit Resolution	5	27JAN11*	24FEB11*	02FEB11	02MAR11	-20	1,896	6,915.60		EE//EM=40																																															
17	Analog Preliminary Design	45	03FEB11	03MAR11	06APR11	04MAY11	-20	1,896	39,764.70		EE//EM=230																																															
18	Digital Preliminary Design	40	03FEB11	03MAR11	30MAR11	27APR11	-20	1,901	40,178.68		EE//EM=220;EC//EM=16																																															
19	PDR Prep. & Review	15	07APR11	05MAY11	27APR11	25MAY11	-20	1,896	17,849.10		EE//EM=80;EC//EM=30																																															
23	PDR Chit Resolution	10	28APR11	26MAY11	11MAY11	09JUN11	-20	1,896	5,532.48		EE//EM=32																																															
24	CSU FDR Prep	15	12MAY11	10JUN11	02JUN11	30JUN11	-20	1,896	6,915.60		EE//EM=40																																															
28	Systems Code - A	120	03OCT11*	03OCT11*	28MAR12	28MAR12	0	1,832	54,355.60		EE//EM=200;EA//SB=120																																															
30	DCPS Algorithms	120	03OCT11*	03OCT11*	28MAR12	28MAR12	0	1,832	128,281.60		EE//EM=320;EA//EM=320																																															
5200-0024A	DCP - Peer Review	0				16MAY11*	0	2,328	0.00		▼																																															
25	Analog Design - Pt. I	130	12JAN12*	12JAN12*	13JUL12	13JUL12	0	1,757	49,398.48		EE//EM=248;EA//SB=12;EE//TB=8																																															
26	Digital Design - Pt. I	130	12JAN12*	12JAN12*	13JUL12	13JUL12	0	1,757	44,816.44		EE//EM=212;EC//TB=40;EA//SB=12																																															
27	Hardware Interface	120	12JAN12*	12JAN12*	28JUN12	28JUN12	0	1,767	20,646.40		EE//EM=80;EA//SB=40																																															
29	Final Design Review	20	16JUL12	16JUL12	10AUG12	10AUG12	0	1,757	7,583.60		EE//EM=40																																															
35	Systems Code - B	240	13AUG12	13AUG12	31JUL13	31JUL13	0	1,757	227,205.52		EE//EM=720;EC//EM=360;EA//EM=																																															
5200013M	DCP -Hardware (procure & Install)	200	01MAR13*	01MAR13*	13DEC13	13DEC13	0	1,663	557,676.00		41=420,000 ;																																															
5200013N	DCP -Cabling and Raceways	100	01OCT13*	01OCT13*	03MAR14	03MAR14	0	1,615	78,300.00		41=18,000 ; 41=40,000 ;																																															
34	Digital Design - Pt. II	120	01OCT13*	01OCT13*	31MAR14	31MAR14	0	1,515	225,380.42		EE//EM=770;EC//EM=184;EE//TB=440																																															
32	Real Time Programming	150	01OCT13*	01OCT13*	12MAY14	12MAY14	0	1,565	177,467.20		EE//EM=360;EC//EM=680																																															
33	Analog Design - Pt. II	120	01OCT13*	01OCT13*	31MAR14	31MAR14	0	1,595	234,416.40		EE//EM=880;EE//TB=600																																															
31	External Interface & Response	80	01APR14	01APR14	23JUL14	23JUL14	0	1,515	41,807.40		EE//EM=180;EA//SB=40																																															
36	Systems Integration & Testing	20	24JUL14*	24JUL14*	20AUG14	20AUG14	0	1,515	41,970.40		EE//EM=80;EC//EM=80;EA//SB=40;EE//TB=80																																															
5200-010	Woolley October Budget	20	01OCT10*	01NOV10A	28OCT10	05JAN11	-41	2,421	4,495.14	100	woolley= 26 ;																																															
FY105200A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		83,402.00																																																	

Job: 5501 - Coil Bus Runs-SMITH

Design

5501-0007	FEMA	5	03MAY10A	03MAY10A	07MAY10A	07MAY10A	0		0.00	100
5501-0009	Eng Dsgn: elect, thermal, EM & stress-OH BUS	4	21MAY10A	21MAY10A	26MAY10A	26MAY10A	0		0.00	100
5501-0010	CAD:Coaxial bus dsgn/bus routing/supports-OH BUS	5	10MAY10A	10MAY10A	14MAY10A	14MAY10A	0		0.00	100
5501-0011	Analysis Mech: thermal, EM & stress-OH BUS	2	17MAY10A	17MAY10A	18MAY10A	18MAY10A	0		0.00	100
5501-0012	Analysis Elec: electrical-OH BUS	2	17MAY10A	17MAY10A	18MAY10A	18MAY10A	0		0.00	100

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl																							
											FY11	FY12	FY13	FY14	FY15	FY16																	
5501-0014	Eng Dsgn: elect, thermal, EM & stress-PF BUS	4	27MAY10A	27MAY10A	02JUN10A	02JUN10A	0		0.00	100																							
5501-0015	CAD: bus routing, supports-PF BUS	5	07MAY10A	07MAY10A	13MAY10A	13MAY10A	0		0.00	100																							
5501-0016	Analysis Mech: thermal, EM & stress-PF BUS	2	14MAY10A	14MAY10A	17MAY10A	17MAY10A	0		0.00	100																							
5501-0017	Analysis Elec: electrical-PF BUS	2	14MAY10A	14MAY10A	17MAY10A	17MAY10A	0		0.00	100																							
5501-0019	Eng Dsgn: elect, thermal, EM & stress-TF BUS	4	03JUN10A	03JUN10A	08JUN10A	08JUN10A	0		0.00	100																							
5501-0020	CAD: bus routing, supports-TF BUS	10	13MAY10A	13MAY10A	26MAY10A	26MAY10A	0		0.00	100																							
5501-0021	Analysis Mech: thermal, EM & stress-TF BUS	2	27MAY10A	27MAY10A	28MAY10A	28MAY10A	0		0.00	100																							
5501-0022	Analysis Elec: electrical-TF BUS	2	27MAY10A	27MAY10A	28MAY10A	28MAY10A	0		0.00	100																							
5501-0024	Eng Dsgn: elect, thermal, EM & stress-CHI BUS	4	09JUN10A	09JUN10A	14JUN10A	14JUN10A	0		0.00	100																							
5501-0025	CAD:ring bus design/bus routing/supports-CHI BUS	18	26MAY10A	26MAY10A	21JUN10A	21JUN10A	0		0.00	100																							
5501-0026	Analysis Mech: thermal, EM & stress-CHI BUS	2	22JUN10A	22JUN10A	23JUN10A	23JUN10A	0		0.00	100																							
5501-0027	Analysis Elec: electrical-CHI BUS	2	22JUN10A	22JUN10A	23JUN10A	23JUN10A	0		0.00	100																							
5501-0028	Update Cost & Schedule Estimate	3	11JUN10A	11JUN10A	15JUN10A	15JUN10A	0		0.00	100																							
5501-0029	PDR Prep & PDR	6	16JUN10A	16JUN10A	23JUN10A	23JUN10A	0		0.00	100																							
5501-0030	Disposition of PDR CHITS	30	24JUN10A	24JUN10A	05AUG10A	05AUG10A	0		0.00	100																							
5501-0031	Eng Dsn & CAD Model Updates	38	23JUN10A	23JUN10A	25AUG10A	25AUG10A	0		0.00	100																							
5501-0032	OH Coaxial Bus Prelim Dsgn Updat/Optim Cmpl	8	24JUN10A	24JUN10A	06JUL10A	06JUL10A	0		0.00	100																							
5501-0033	PF Bus Prelim Dsgn Updat/Optim Cmpl	10	07JUL10A	07JUL10A	20JUL10A	20JUL10A	0		0.00	100																							
5501-0034	TF Bus Prelim Dsgn Updat/Optim Cmpl	10	21JUL10A	21JUL10A	03AUG10A	03AUG10A	0		0.00	100																							
5501-0035	CHI Bus Prelim Dsgn Updat/Optim Cmpl	10	04AUG10A	04AUG10A	17AUG10A	17AUG10A	0		0.00	100																							
5501-0037	Prep DOE CD-2 (Lehman) Review	5	04AUG10A	04AUG10A	10AUG10A	10AUG10A	0		0.00	100																							
5501-0038	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A	11AUG10A	0		0.00	100																							
1305-0160	N/A OH Bus Bar Analysis(xfer f/j. Chrzanowski)	39*	02AUG10A	02AUG10A	30SEP10A	30SEP10A	0		0.00	100																							
OH Bus																																	
5501-0042	Final Design	174*	17AUG10A	17AUG10A	22FEB11	28APR11	-47	9	25,163.46	60	EM//EM =162 ;																						
5501-0046	Busbar System Design-OH BUS	112*	17AUG10A	17AUG10A	04JAN11	01FEB11	-20	36	3,141.19	70	EM//EM =16 ; EE//EM =04 ;																						
5501-0047	Update CAD - OH BUS	112*	17AUG10A	17AUG10A	04FEB11	01FEB11	3	36	12,036.61	60	EM//EM =10 ; EA//SB =66 ;																						
5501-0049	Analysis/Calc: EM/Stress/Thermal-OH BUS	112*	17AUG10A	17AUG10A	04JAN11	01FEB11	-20	2,402	4,479.02	20	EA//SB =24 ;																						
5501-0050	Detail Drawings-OH BUS	99*	07FEB11	04OCT10A	25FEB11	01MAR11	-2	36	2,997.84	50	EA//EM =24 ;																						
5501-0051	Design Validation-OH BUS	5	05JAN11	02MAR11	08FEB11	08MAR11	-20	36	7,855.08		EE//EM =12 ; EA//EM =30 ;																						
5501-0051A	Updt Models/Dwgs Ready for Signoff-OH BUS	10	28FEB11	09MAR11	20MAY11	22MAR11	43	36	13,415.25		EA//SB =96 ; EM//EM=9																						

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	FY						
											FY11	FY12	FY13	FY14	FY15	FY16	
PF Bus																	
5501-0055	Busbar System Design-PF BUS	112*	17AUG10A	17AUG10A	04JAN11	01FEB11	-20	36	3,141.19	70		EM//EM =16 ; EE//EM =04 ;					
5501-0056	Update CAD-PF BUS	112*	17AUG10A	17AUG10A	04FEB11	01FEB11	3	36	11,995.91	70		EM//EM =28 ; EA//SB =63 ;					
5501-0058	Analysis/Calc: EM/Stress/Thermal-PF BUS	112*	17AUG10A	17AUG10A	04JAN11	01FEB11	-20	2,402	4,479.02	30		EA//EM =24 ;					
5501-0059	Detail Drawings-PF BUS	99*	07FEB11	04OCT10A	18MAR11	01MAR11	13	36	11,991.36	50		EA//SB =96 ;					
5501-0060	Design Validation-PF BUS	5	05JAN11	02MAR11	08FEB11	08MAR11	-20	36	7,855.08			EE//EM =12 ; EA//EM =30 ;					
5501-0060A	Updt Models/Dwgs Ready for Signoff-PF BUS	10	21MAR11	09MAR11	20MAY11	22MAR11		36	15,413.67			EA//SB =93 ; EM//EM=24					
TF Bus																	
5501-0063	Busbar System Design-TF BUS	112*	17AUG10A	17AUG10A	04JAN11	01FEB11	-20	94	3,141.19	70		EM//EM =16 ; EE//EM =04 ;					
5501-0064	Update CAD-TF BUS	112*	17AUG10A	17AUG10A	04FEB11	01FEB11	3	36	14,383.33	70		EM//EM =34 ; EA//SB =75 ;					
5501-0066	Analysis/Calc: EM/Stress/Thermal-TF BUS	112*	17AUG10A	17AUG10A	04JAN11	01FEB11	-20	2,402	5,972.02	50		EA//EM =32 ;					
5501-0067	Detail Drawings-TF BUS	79*	07FEB11	01NOV10A	18MAR11	01MAR11	13	36	6,994.96	20		EA//SB =56 ;					
5501-0068	Design Validation-TF BUS	5	05JAN11	02MAR11	08FEB11	08MAR11	-20	36	7,855.08			EE//EM =12 ; EA//EM =30 ;					
5501-0068A	Updt Models/Dwgs Ready for Signoff-TF BUS	10	21MAR11	09MAR11	20MAY11	22MAR11		36	12,091.12			EA//SB =74 ; EM//EM=18					
CHI Bus																	
5501-0071	Busbar System Design-CHI BUS	112*	17AUG10A	17AUG10A	04JAN11	01FEB11	-20	94	3,141.19	70		EM//EM =16 ; EE//EM =04 ;					
5501-0072	Update CAD-CHI BUS	112*	17AUG10A	17AUG10A	04FEB11	01FEB11	3	36	16,829.55	70		EM//EM =38 ; EA//SB =90 ;					
5501-0074	Analysis/Calc: EM/Stress/Thermal-CHI BUS	112*	17AUG10A	17AUG10A	04JAN11	01FEB11	-20	2,402	4,479.02	30		EA//EM =24 ;					
5501-0075	Detail Drawings-CHI BUS	79*	07FEB11	01NOV10A	01APR11	01MAR11	23	36	13,989.92	50		EA//SB =112 ;					
5501-0076	Design Validation-CHI BU	5	05JAN11	02MAR11	08FEB11	08MAR11	-20	36	7,855.08			EE//EM =12 ; EA//EM =30 ;					
5501-0076A	Updt Models/Dwgs Ready for Signoff-CHI BUS	10	04APR11	09MAR11	20MAY11	22MAR11		36	18,669.62			EA//SB =114 ; EM//EM=28					
5501-0077	Update Cost & Schedule Estimate	5	23MAY11	23MAR11	27MAY11	29MAR11		54	1,265.68			EM//EM =08 ;					
5501-0078	FDR Prep	23	23MAY11	29APR11	23JUN11	01JUN11		9	6,328.40			EM//EM =40 ;					
5501-0078A	Coil Bus Runs - Peer review	0				16MAY11*		0	2,328	0.00							
5501-0079	FDR 5500	1	24JUN11	02JUN11	24JUN11*	02JUN11*		9	1,265.68			EM//EM =08 ;					
Inner TF Bundl;e Design																	
1304-0120	N/A Analyze TF Bus Bar (xfer f/j. Chrzanowski)	17	30SEP10A	30SEP10A	30SEP10A	30SEP10A	0		0.00	100							
5501-0082	Prep Req & Procurement Package	10	01FEB13*	01FEB13*	14FEB13	14FEB13	0	42	14,171.20				EM//EM =80 ;				
5501-0083	Submit Req to Procurement	1	15FEB13	15FEB13	15FEB13	15FEB13	0	42	0.00								
5501-0084	Procurement Lead Time	30	18FEB13	18FEB13	29MAR13	29MAR13	0	42	0.00								
5501-0085	Award Coil Bus Run	1	01APR13	01APR13	01APR13	01APR13	0	42	0.00								

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY11 FY12 FY13 FY14 FY15 FY16						
5501-0086	Copper Total	80	02APR13	02APR13	25JUL13	25JUL13	0	42	22,455.56								EM//EM =02 ; EM//SM =08 ; EM//ST =08 ; 41=15,000 ;
5501-0087	Insulation & Protection Total	80	02APR13	02APR13	25JUL13	25JUL13	0	42	13,215.56								EM//EM =02 ; EM//SM =08 ; EM//ST =08 ; 41=8,000 ;
5501-0088	SS Hardware, Fittings, Materials Total	80	02APR13	02APR13	25JUL13	25JUL13	0	42	23,775.56								EM//EM =02 ; EM//SM =08 ; EM//ST =08 ; 41=16,000 ;
5501-0089	G10 FR4 Total	80	02APR13	02APR13	25JUL13	25JUL13	0	42	11,895.56								EM//EM =02 ; EM//SM =08 ; EM//ST =08 ; 41=7,000 ;
5501-0090	Fab & Safety Consumables Total	80	02APR13	02APR13	25JUL13	25JUL13	0	42	9,255.56								EM//EM =02 ; EM//SM =08 ; EM//ST =08 ; 41=5,000 ;
5501-0091	Struc Support Material Total	80	02APR13	02APR13	25JUL13	25JUL13	0	42	6,615.56								EM//EM =02 ; EM//SM =08 ; EM//ST =08 ; 41=3,000 ;
5501-0092	Misc Total	80	02APR13	02APR13	25JUL13	25JUL13	0	42	8,552.04								EM//EM =30 ; EM//SM =12 ; EA//SB =08 ;
5501-0097	Fab/Assembly	140	26JUL13*	26JUL13*	21FEB14	21FEB14	0	42	41,212.99								EM//EM =210 ; EE//EM =16 ;
5501-0098	Documentn: Fab/Assy Procedure-OH BUS	5	01OCT13	01OCT13	07OCT13	07OCT13	0	31	19,677.16								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	0	31	38,946.48								EM//EM =12 ; EM//ST =320 ;
5501-0100	Assembly: pre-installatn components-OH BUD	20	05NOV13*	05NOV13*	04DEC13	04DEC13	0	31	18,374.40								EM//ST =160 ;
5501-0101	Insulation & Protective Layer-OH BUS	10	19NOV13	19NOV13	04DEC13	04DEC13	0	31	18,374.40								EM//ST =160 ;
5501-0102	Electrical Testing-OH BUS	5	26NOV13	26NOV13	04DEC13	04DEC13	0	31	5,610.88								EM//EM =08 ; EM//ST =16 ; EE//SB =16 ;
5501-0105	Documentn: Fab/Assy Procedure-PF BUS	5	01OCT13*	01OCT13*	07OCT13	07OCT13	0	71	7,373.96								EM//EM =24 ; EM//SM =10 ; EA//SB =08 ;
5501-0106	Fabricatn: pre-installation components-PF BUS	20	05DEC13	05DEC13	13JAN14	13JAN14	0	31	20,572.08								EM//EM =12 ; EM//ST =160 ;
5501-0109	Documentn: Fab/Assy Procedure-TF BUS	5	08OCT13	08OCT13	14OCT13	14OCT13	0	86	7,373.96								EM//EM =24 ; EM//SM =10 ; EA//SB =08 ;
5501-0110	Fabricatn: pre-installation components-TF BUS	20	14JAN14*	14JAN14*	10FEB14	10FEB14	0	31	20,572.08								EM//EM =12 ; EM//ST =160 ;
5501-0113	Documentn: Fab/Assy Procedure-CHI BUS	5	15OCT13	15OCT13	21OCT13	21OCT13	0	101	7,373.96								EM//EM =24 ; EM//SM =10 ; EA//SB =08 ;
5501-0114	Fabricatn: pre-installation components-OH BUS	20	11FEB14*	11FEB14*	10MAR14	10MAR14	0	31	20,572.08								EM//EM =12 ; EM//ST =160 ;
5501-0118	Documentation: Installation Procedure-OH BUS	5	22OCT13*	22OCT13*	28OCT13	28OCT13	0	116	4,395.36								EM//EM =24 ;
5501-0119	Field Fit Up, Fabrication, Installation-OH BUS	65	11MAR14	11MAR14	10JUN14	10JUN14	0	31	23,541.52								EM//SM =20 ; EA//SB =05 ; EE//EM =04 ; EM//ST =160 ;
5501-0120	Testing-OH BUS	1	11JUN14	11JUN14	11JUN14	11JUN14	0	62	2,611.60								EE//SB =08 ; EM//SM =08 ;
5501-0080	Procurementsupport	173	01OCT13*	01OCT13*	13JUN14	13JUN14	0	31	41,661.48								EM//EM =210 ; EE//EM =16 ;
5501-0123	Documentation: Installation Procedure-PF BUS	5	29OCT13*	29OCT13*	04NOV13	04NOV13	0	130	4,395.36								EM//EM =24 ;
5501-0124	Field Fit Up, Fabrication, Installation-PF BUS	60	18MAR14	18MAR14	10JUN14	10JUN14	0	31	161,077.92								EM//SM =90 ; EA//SB =42 ; EE//EM =04 ; EM//ST =1,200 ;
5501-0125	Testing-PF BUS	6	11JUN14	11JUN14	18JUN14	18JUN14	0	57	15,669.60								EE//SB =48 ; EM//SM =48 ;
5501-0129	Documentation: Installation Procedure-TF BUS	5	05NOV13*	05NOV13*	11NOV13	11NOV13	0	130	4,395.36								EM//EM =24 ;
5501-0130	Field Fit Up, Fabrication, Installation-TF BUS	65	11MAR14	11MAR14	10JUN14	10JUN14	0	31	51,681.52								EM//SM =20 ; EA//SB =09 ; EE//EM =04 ; EM//ST =400 ;
5501-0131	Testing-TF BUS	2	11JUN14	11JUN14	12JUN14	12JUN14	0	61	7,834.80								EE//SB =24 ; EM//SM =24 ;

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	Fiscal Year					
											FY11	FY12	FY13	FY14	FY15	FY16
5501-0135	Documentation: Installation Procedure-CHI BUS	5	12NOV13*	12NOV13*	18NOV13	18NOV13	0	130	4,395.36							
5501-0136	Field Fit Up, Fabrication, Installation-CHI BUS	65	11MAR14	11MAR14	10JUN14	10JUN14	0	60	85,489.52							
5501-0137	Testing-CHI BUS	3	11JUN14	11JUN14	13JUN14	13JUN14	0	60	7,834.80							
FY105501	FY10 Actual Cost	85	01JAN10A	01JAN10A	30APR10A	30APR10A	0		55,211.00	100						
FY105501A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		76,858.00							

Job: 6100 - Control Sys Data Acquisition -SICHTA

6100-0000	Oversight & Coordination	1,055*	03MAY10A	03MAY10A	25JUL14	25JUL14	0	1,533	28,873.99	LOE							EC//EM =200 ;
6100-0026	Update System documents - PDR	27	03MAY10A	03MAY10A	09JUN10A	09JUN10A	0		0.00	100							
6100-0027	PDR Prep	10	10JUN10A	10JUN10A	23JUN10A	23JUN10A	0		0.00	100							
6100-0032	Disposition PDR Chits - FDR	30	24JUN10A	24JUN10A	05AUG10A	05AUG10A	0		0.00	100							
6100-0033	Assess workscope changes	10	07DEC10*	07DEC10*	20DEC10	20DEC10	0	18	4,285.76								EC//EM =32 ;
6100-0034	Delay design for NSTX run support	1	21DEC10*	01OCT10A	21DEC10	29OCT10A	35		133.93								EC//EM =01 ;
6100-0035B	PCS Software design analysis	64*	22DEC10	24JAN11*	09FEB11	21APR11	-51	1	10,714.40								EC//EM =80 ;
6100-0036	CAMAC Memory PCB design	30	22DEC10	21DEC10	09FEB11	08FEB11	1	53	7,455.10								EC//EM =10 ; EC//SB =60 ;
6100-0037	CAMAC Replacement selection	60	22DEC10	21DEC10	23MAR11	22MAR11	1	23	4,285.76								EC//EM =32 ;
6100-0038	Cntr Stk diags data acq design	10	22DEC10	21DEC10	12JAN11	11JAN11	1	70	6,212.16								EA//SB =24 ; EC//EM =24 ;
6100-0039	DAS upgrade for NSTX diagnostics	25	22DEC10	21DEC10	02FEB11	01FEB11	1	55	3,214.32								EC//EM =24 ;
6100-0040	I&C effort due to NTC GIS rack move	25	22DEC10	21DEC10	02FEB11	01FEB11	1	55	7,803.52								EC//SB =24 ; EC//EM =40 ;
6100-0041	ECN & new drawings	40	03FEB11	02FEB11	30MAR11	29MAR11	1	55	49,568.80								EC//SB =80 ; EC//EM =160 ; EA//SB =160 ;
6100-0042	Update System documents	10	17MAR11	01JUN11	30MAR11	14JUN11	-53	1	8,035.80								EC//EM =60 ;
6100-0043	FDR Prep 6100	37	24MAR11*	22APR11	30MAR11	14JUN11	-53	1	10,714.40								EC//EM =80 ;
6100-0043A	Control System - Peer review	0				16MAY11*		0	2,328	0.00							
6100-0044	Disposition FDR Chits	30	31MAR11	15JUN11	11MAY11	27JUL11	-53	594	2,142.88								EC//EM =16 ;
6100-0045	Network Design	30	31MAR11	30MAR11	11MAY11	10MAY11	1	648	6,220.08								EC//EM =16 ; EC//SB =40 ;
6100-0048	Wait for I&C Procurement Start	1	01AUG13*	01AUG13*	01AUG13	01AUG13	0	93	149.95								EC//EM =01 ;
6100-0049C	CAMAC Replacement proto	60	01OCT13*	01OCT13*	06JAN14	06JAN14	0	112	37,360.96								41=16,000 ; EC//EM =32 ; 43=8,000 ;
6100-0049D	CAMAC Replacement equipment	60	07JAN14*	07JAN14*	31MAR14	31MAR14	0	112	195,201.20								41=120,000 ; EC//EM =40 ; 43=20,000 ;
6100-0050	CAMAC Memory module	90	02OCT13*	02OCT13*	18FEB14	18FEB14	0	51	25,672.00								41=11,000 ; EC//EM =08 ; EC//SB =24 ; 43=5,000 ;
6100-0051	Networking equipment & fiber optics	40	01OCT13*	01OCT13*	25NOV13	25NOV13	0	192	51,212.24								41=28,000 ; EC//EM =16 ; EC//SB =24 ; 43=6,000 ;
6100-0052	GIS rack-move I&C fiber optics & equip.	30	01OCT13*	01OCT13*	11NOV13	11NOV13	0	202	23,048.80								41=8,000 ; EC//SB =16 ; EC//EM =32 ; 43=4,000 ;

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	FY11						FY12						FY13						FY14						FY15						FY16																		
FY106100A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		23,560.00																																																		
Job: 7100 - Project Mgt & Integration-STRYKOWSKY																																																											
General Arrangement Drawings																																																											
CS7000020G	FY2010 General Arrangement Drawings	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		0.00	100																																																	
CS7000031G	FY2011 General Arrangement Drawings	250*	01OCT10*	01OCT10A	29SEP11	30SEP11	-1	1,487	75,098.26	LOE		EA//ES =863 ;																																															
CS7000041G	FY2012 General Arrangement Drawings	249	03OCT11*	03OCT11*	28SEP12	28SEP12	0	1,487	82,045.41			EA//ES =863 ;																																															
CS7000053G	FY2013 General Arrangement Drawings	248	01OCT12*	01OCT12*	30SEP13	30SEP13	0	1,487	83,452.10			EA//ES =863;																																															
CS7000054G	FY2014 General Arrangement Drawings	248	01OCT13*	01OCT13*	30SEP14	30SEP14	0	1,487	42,828.00			EA//ES =430																																															
Project Management																																																											
FY097100	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		625,829.00	100																																																	
FY107100	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A	0		554,759.00	100																																																	
CS7000020	FY2010 Project Management	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		0.00	100																																																	
CS7000031	FY2011 Project Management	250*	01OCT10*	01OCT10A	29SEP11	30SEP11	-1	1,487	741,305.01	LOE		EM//EM =517 ;E//AM =1,726 ; EA//EM =517 FC//AC =863 35=6,000 ;EM//SM =00 ; 41=30,000 ;FC//AM =690 ;																																															
CS7000041	FY2012 Project Management	249	03OCT11*	03OCT11*	28SEP12	28SEP12	0	1,487	752,945.42			EM//EM =863 ; E//AM =1,726 ; EA//EM =345 FC//AM =863 35=6,000 41=25,000 ; FC//AM =173 ;																																															
CS7000053	FY2013 Project Management	248	01OCT12*	01OCT12*	30SEP13	30SEP13	0	1,487	844,226.78			EM//EM =1,726 ; EA//EM =3 E//AM =1,726 ; FC//AC =863 35=6,000 41=5,000 ;																																															
CS7000054	FY2014 Project Management	248	01OCT13*	01OCT13*	30SEP14	30SEP14	0	1,487	826,245.96			EM//EM =17261 ; EA//EM =142 ; FC//AC =863 ; 35=6000 ; 41=50000 ;																																															
FY107100A	FY10 Actual Cost	130	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		226,386.00																																																		
Project Reviews																																																											
CS7000020R	FY2010 Project Reviews	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		0.00	100																																																	
CS7000031R	FY2011 Project Reviews	250*	01OCT10*	01OCT10A	29SEP11	30SEP11	-1	1,735	25,200.00	LOE		Reviews=20,000 ;																																															
CS7000041R	FY2012 Project Reviews	249	03OCT11*	03OCT11*	28SEP12	28SEP12	0	1,735	25,800.00			reviews = 20,000																																															
CS7000053R	FY2013 Project Reviews	248	01OCT12*	01OCT12*	30SEP13	30SEP13	0	1,735	26,400.00			reviews=20,000																																															
CS7000052	ORA support	43	01APR14*	01APR14*	30MAY14	30MAY14	0	85	111,296.00			EA//EC =480 ; 35=20,000 ;																																															

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	FY11	FY12	FY13	FY14	FY15	FY16

Work Control Center										
CS7000041W	FY2012 WCC	249	03OCT11*	03OCT11*	28SEP12	28SEP12	0	1,487	148,936.54	
CS7000053W	FY2013 WCC	248	01OCT12*	01OCT12*	30SEP13	30SEP13	0	1,487	304,777.08	
CS7000054W	FY2014 WCC	248	01OCT13*	01OCT13*	30SEP14	30SEP14	0	1,487	314,442.68	

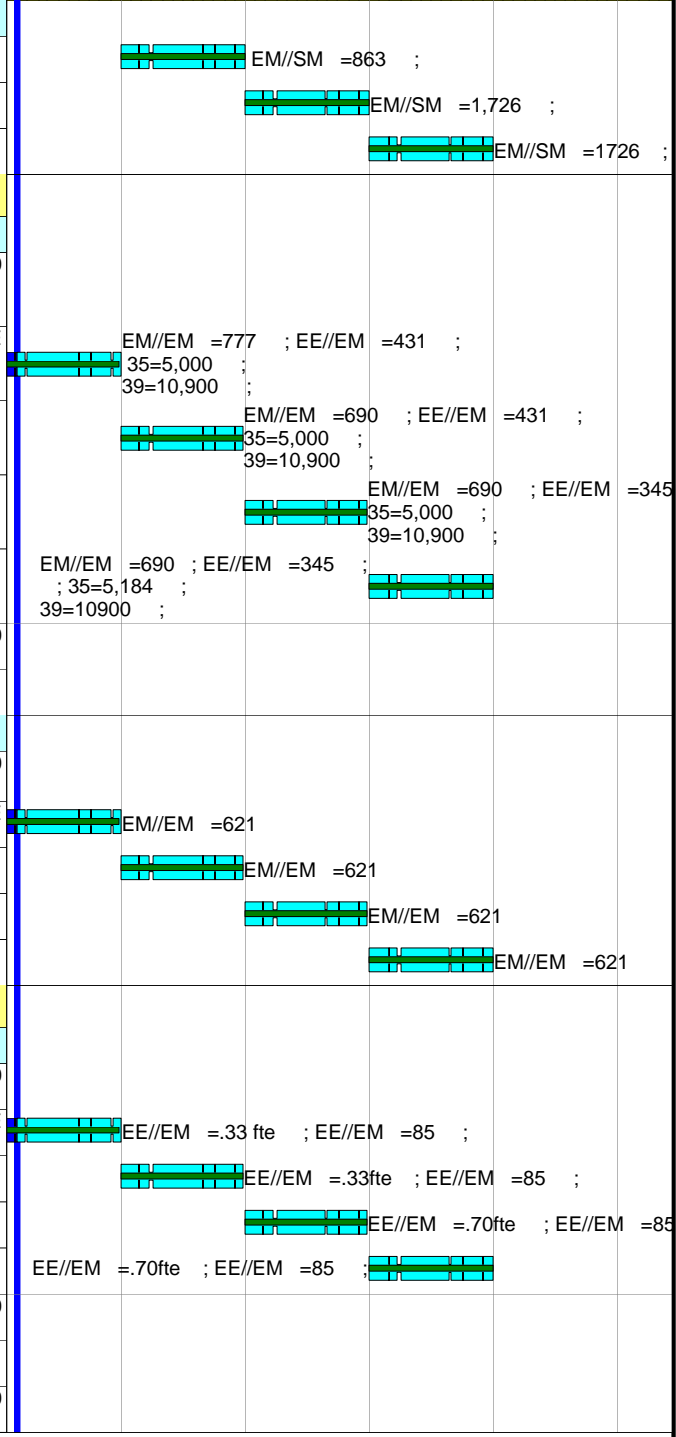
Job: 7200 - Center Stack Management-DUDEK

Project Management										
7200-01	100FY2010 CSU Management	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		0.00	100
7200-02	FY2011 CSU Management	250*	01OCT10*	01OCT10A	23SEP11	30SEP11	-5	1,494	222,274.76	LOE
7200-03	FY2012 CSU Management	245	03OCT11*	03OCT11*	24SEP12	24SEP12	0	1,494	227,382.39	
7200-04	FY2013 CSU Management	245	01OCT12*	01OCT12*	25SEP13	25SEP13	0	1,490	215,496.25	
7200-05	FY2014 CSU Management	248	01OCT13*	01OCT13*	30SEP14	30SEP14	0	1,487	222,485.45	
FY107200	FY10 Actual Cost	123	02NOV09A	02NOV09A	30APR10A	30APR10A	0		84,961.00	100
FY107200A	FY10 Actual Cost	130	01APR10A	01APR10A	30SEP10A	30SEP10A	0		137,256.00	

Project Reviews										
7200-01R	FY2010 CSU Project Reviews	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		0.00	100
7200-02R	FY2011 CSU Project Reviews	250*	01OCT10*	01OCT10A	23SEP11	30SEP11	-5	1,494	98,248.41	LOE
7200-03R	FY2012 CSU Project Reviews	245	03OCT11*	03OCT11*	24SEP12	24SEP12	0	1,494	107,737.29	
7200-04R	FY2013 CSU Project Reviews	245	01OCT12*	01OCT12*	25SEP13	25SEP13	0	1,490	110,003.94	
7200-05R	FY2014 CSU Project Reviews	248	01OCT13*	01OCT13*	30SEP14	30SEP14	0	1,487	113,729.94	

Job: 7300 - NB2 Management-STEVENSON

Project Management										
7300-01	FY2010 NB2 Management	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		0.00	100
7300-11	FY2011 NB2 Management	250*	01OCT10*	01OCT10A	23SEP11	30SEP11	-5	1,494	113,070.06	LOE
7300-21	FY2012 NB2 Management	245	03OCT11*	03OCT11*	24SEP12	24SEP12	0	1,494	123,991.86	
7300-31	FY2013 NB2 Management	245	01OCT12*	01OCT12*	25SEP13	25SEP13	0	1,490	250,286.01	
7300-35	FY2014 NB2 Management	248	01OCT13*	01OCT13*	30SEP14	30SEP14	0	1,487	258,768.09	
FY092410	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		63,263.00	100
FY102410	FY10 Actual Cost	40	01OCT09A	01OCT09A	25NOV09A	25NOV09A	0		12,157.00	
FY107300	FY10 Actual Cost	123	02NOV09A	02NOV09A	30APR10A	30APR10A	0		62,401.00	100



Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY										
											FY11	FY12	FY13	FY14	FY15	FY16					
FY107300A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		62,452.00												
Project Reviews																					
7300-02	FY2010 NB2 RLM's support of reviews	92*	17MAY10A	17MAY10A	06JUL10A	06JUL10A	0		0.00	100											
7300-03	FY2010 NB2 RLM's support of reviews	10	10JAN11*	10JAN11*	21JAN11	21JAN11	0	1,896	78,289.60		EE//EM =160 ; EM//EM =320 ;										
7300-12	FY2011 NB2 RLM's support of reviews	10	01JUN11*	01JUN11*	14JUN11	14JUN11	0	1,805	78,289.60		EE//EM =160 ; EM//EM =320 ;										
7300-13	FY2011 NB2 RLM's support of reviews	10	09JAN12*	09JAN12*	20JAN12	20JAN12	0	1,667	85,851.20		EE//EM =160 ; EM//EM =320 ;										
7300-22	FY2012 NB2 RLM's support of reviews	10	01JUN12*	01JUN12*	14JUN12	14JUN12	0	1,564	85,851.20		EE//EM =160 ; EM//EM =320 ;										
7300-23	FY2012 NB2 RLM's support of reviews	10	15JAN13*	15JAN13*	28JAN13	28JAN13	0	1,648	87,656.00		EE//EM =160 ; EM//EM =320 ;										
7300-32	FY2013 NB2 RLM's support of reviews	10	03JUN13*	03JUN13*	14JUN13	14JUN13	0	1,560	87,656.00		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		0.00	100											
740000110	FY2011 NBI Decon HP Technical Support	250*	04OCT10*	01OCT10A	30SEP11	30SEP11	0	1,735	511,400.00	LOE	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	0	458	368,652.64		DP//TB =2,720 ;										
740000120	FY2012 NBI Decon HP Technical Support	249	03OCT11*	03OCT11*	28SEP12	28SEP12	0	1,735	551,512.00		DP//TB =2,400 ; 41=10,000 ; 43=10,000 ; 31=100,000 ;										
740000125	FY2013 NBI Decon HP Technical Support	248	01OCT12	01OCT12	30SEP13	30SEP13	0	1,735	419,184.00		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	0	1,487	269,865.14		DP//TB =1,726 ; 41=5000 ; 43=5000 ; 31=5000 ;										
FY107400	FY10 Actual Cost	260	01OCT09A	01OCT09A	30SEP10A	30SEP10A	0		386,510.00	100											
JOB: 7700 - NSTX-U HP Allocations-STRYKOWSKY																					
1180*NUL	FY10 Actual Cost	143	01OCT09A	01OCT09A	30SEP10A	30SEP10A	0		452,420.00	100											
CS9500070	NSTX Upgrade HP Allocations FY2010	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		0.00	100											
CS9500080	NSTX Upgrade HP Allocations FY11	250*	01OCT10*	01OCT10A	30SEP11	30SEP11	0	1,487	353,100.00	LOE	54X =214000\										
CS9500090	NSTX Upgrade HP Allocations FY12	249	03OCT11*	03OCT11*	28SEP12	28SEP12	0	1,487	535,040.00		54X =304000										
CS9500100	NSTX Upgrade HP Allocations FY13	248	01OCT12*	01OCT12*	30SEP13	30SEP13	0	1,487	481,510.00		54X =269000										
CS9500110	NSTX Upgrade HP Allocations FY14	248	01OCT13*	01OCT13*	30SEP14	30SEP14	0	1,487	414,000.00		54X =225000										
FY09NNUL8	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		367,345.00	100											
Job: 7710 - Upgrade Allocations-STRYKOWSKY																					
1170*NUL	FY10 Actual Cost	143	01OCT09A	01OCT09A	30SEP10A	30SEP10A	0		170,667.00	100											
7710-10	NSTX Upgrade Direct Allocations FY2010	106	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		0.00	100											
7710-11	NSTX Upgrade Direct Allocations FY11	250*	01OCT10*	01OCT10A	30SEP11	30SEP11	0	1,487	29,700.00	LOE	54X =18000 ;										

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	FY16
7710-12	NSTX Upgrade Direct Allocations FY12	249	03OCT11*	03OCT11*	28SEP12	28SEP12	0	1,487	3,520.00							
7710-13	NSTX Upgrade Direct Allocations FY13	248	01OCT12*	01OCT12*	30SEP13	30SEP13	0	1,487	3,580.00							
7710-14	NSTX Upgrade Direct Allocations FY14	248	01OCT13*	01OCT13*	30SEP14	30SEP14	0	1,487	1,840.00							
9417*NUL	FY10 Actual Cost	110	01JUN10A	01JUN10A	30SEP10A	30SEP10A	0		12,934.00							
FY09NNUL	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		158,969.00	100						

Job; 8200 - CS & Coil Sprt Struc Install- VIOLA

Close Vessel and Pumpdown

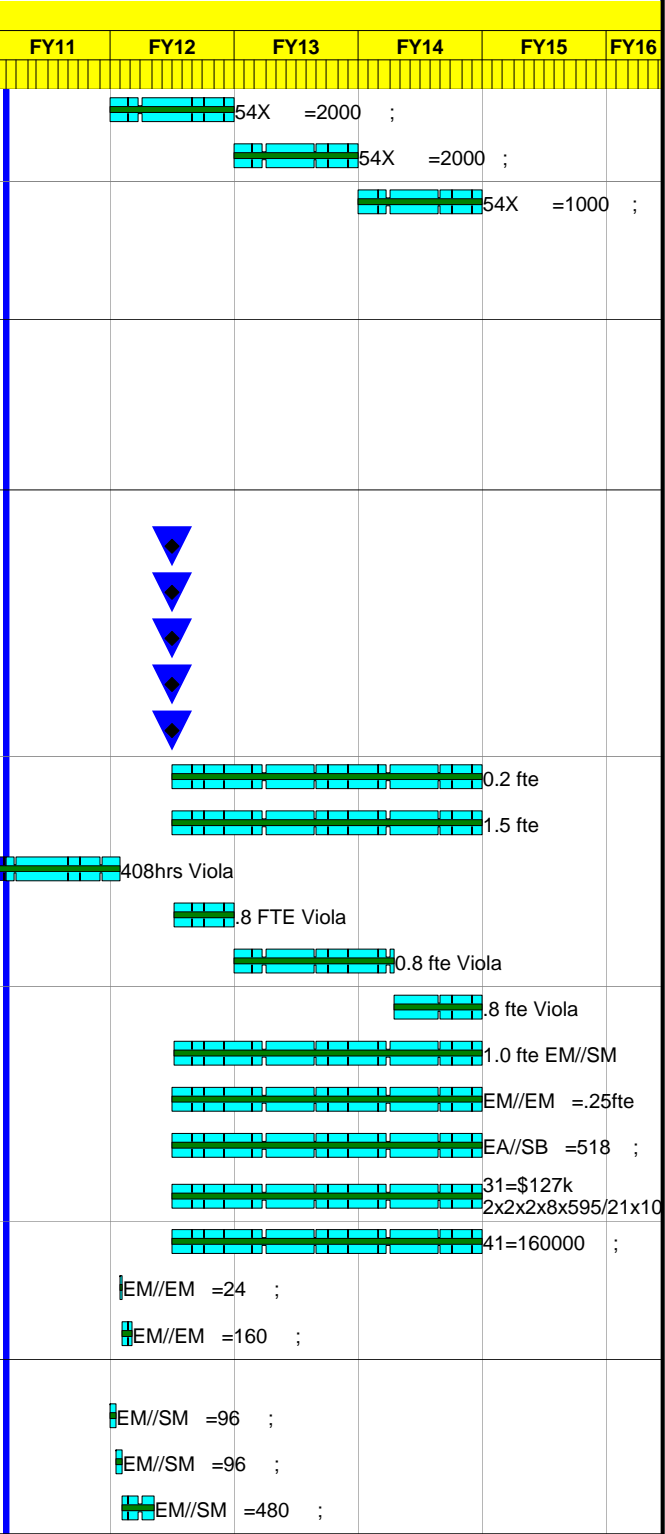
FY108200	FY10 Actual Cost	123	02NOV09A	02NOV09A	30APR10A	30APR10A	0		19,070.00							
FY108200A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		6,473.00							

Management/Oversight/supervision

8200-0002	Designs complete	0	03APR12*	03APR12*			0	139	0.00							
8200-0003	Sequence complete	0	03APR12*	03APR12*			0	139	0.00							
8200-0004	Parts arrived	0	03APR12*	03APR12*			0	139	0.00							
8200-0005	Start procedural development	0	03APR12*	03APR12*			0	139	0.00							
8200-0006	Mobilize crews	0	03APR12*	03APR12*			0	139	0.00							
8200-0010	Shop Fabrication oversight 20% FTE for duration	622	03APR12*	03APR12*	30SEP14	30SEP14	0	1,487	152,188.51							
8200-0011	Shop Fabrication support 1.5 FTE for duration	622	03APR12*	03APR12*	30SEP14	30SEP14	0	1,487	719,690.36							
8200-0012	Assembly oversight prior to outage (fy10 & fy11)	377*	03MAY10A	03MAY10A	31OCT11	31OCT11	0	218	63,100.49	LOE						
8200-0012A	Assembly oversight 1 FTE Engr	125	05APR12*	05APR12*	01OCT12	01OCT12	0	1,487	121,864.27							
8200-0012B	Assembly oversight 0.6 FTE Engr	312	02OCT12*	02OCT12*	13JAN14	13JAN14	0	1,487	307,786.97							
8200-0012C	Assembly oversight 1 FTE Engr	183	14JAN14*	14JAN14*	30SEP14	30SEP14	0	1,487	208,719.16							
8200-0013	Assembly oversight 1 FTE SM	620	05APR12*	05APR12*	30SEP14	30SEP14	0	1,487	762,210.43							
8200-0014	Title 3 Support Engineer	622	03APR12*	03APR12*	30SEP14	30SEP14	0	1,487	186,516.75							
8200-0015	Title 3 Support Drafting	622	03APR12*	03APR12*	30SEP14	30SEP14	0	1,487	73,180.71							
8200-0016	OT for efficiency (2 crews 1 weekend a month)	622	03APR12*	03APR12*	30SEP14	30SEP14	0	1,487	264,376.43							
8200-0017	MISC M&S \$250 per day* 2 crews	622	03APR12*	03APR12*	30SEP14	30SEP14	0	1,487	212,141.48							
8200-0020	PREPARE WORK PLANNING FORM	3	01NOV11*	01NOV11*	03NOV11	03NOV11	0	218	4,163.76							
8200-0021	Fab/AssyInstallation Procedure	20	04NOV11*	04NOV11*	05DEC11	05DEC11	0	218	27,758.40							

Bay by Bay Diagnostic Catalogue

8200-0026	Perform bay by bay catalogue and label Elect	12	03OCT11*	03OCT11*	18OCT11	18OCT11	0	193	16,567.68							
8200-0027	Perform bay by bay catalogue and label Mech	12	19OCT11*	19OCT11*	03NOV11	03NOV11	0	193	16,567.68							
8200-0028	Write removal procedures	60	04NOV11	04NOV11	07FEB12	07FEB12	0	193	82,838.40							



Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	FY						
											FY11	FY12	FY13	FY14	FY15	FY16	
8200-0028A	RF Line develop as-built assy drawing	20	03OCT11*	03OCT11*	28OCT11	28OCT11	0	298	16,437.60								
8200-0029	Remove RF pipes	20	03APR12*	03APR12*	30APR12	30APR12	0	195	154,331.60								
8200-0030	Write Electrical Removal & Installation Procedur	20	03OCT11*	03OCT11*	28OCT11	28OCT11	0	242	13,806.40								
8200-0031	Safe, remove and store Elect	15	03APR12*	03APR12*	23APR12	23APR12	0	139	32,637.00								
8200-0032	Upper Tray remove and store Elect	20	24APR12	24APR12	21MAY12	21MAY12	0	180	43,516.00								
8200-0033	Remove and store Mech	10	22MAY12*	22MAY12*	05JUN12	05JUN12	0	119	43,516.00								
8200-0034	Remove and store Upper and lower port eqpt	18	06JUN12*	06JUN12*	29JUN12	29JUN12	0	122	39,164.40								
8200-0035	Remove section of platform	10	01AUG12*	01AUG12*	14AUG12	14AUG12	0	101	43,516.00								
8200-0036	Fiducialize Coil and Vacuum vessel	20	15AUG12	15AUG12	12SEP12	12SEP12	0	101	45,164.80								
Equipment Removals																	
8200-0039	Remove insulation	15	02JUL12*	02JUL12*	23JUL12	23JUL12	0	101	32,637.00								
8200-0040	Gas Injection System	15	24JUL12	24JUL12	13AUG12	13AUG12	0	101	32,637.00								
8200-0041	Disconnect trim coil and lock mode coil	2	14AUG12	14AUG12	15AUG12	15AUG12	0	101	4,351.60								
8200-0042	Remove trim coil and lock mode coil	4	16AUG12	16AUG12	21AUG12	21AUG12	0	101	8,703.20								
8200-0043	Clear platform and area to remove bad TF	10	22AUG12	22AUG12	05SEP12	05SEP12	0	101	21,758.00								
8200-0044	Remove bad TF	5	06SEP12	06SEP12	12SEP12	12SEP12	0	101	21,758.00								
LLD Removal/Original Outer Divertor re-install																	
8200-1001	Remove LLD	20	13SEP12	13SEP12	10OCT12	10OCT12	0	433	43,882.40								
8200-1004	Machine original OD tiles for Diag sensors	10	01OCT13*	01OCT13*	14OCT13	14OCT13	0	193	9,187.20								
8200-1008	Re-install Diag sensors into original OD tiles	10	15OCT13*	15OCT13*	28OCT13	28OCT13	0	193	22,968.00								
8200-1012	Install original OD tiles and supports	20	11APR14*	10APR14*	08MAY14	07MAY14	1	86	45,936.00								
Upper Half																	
8200-0048	Umbrella Lid Remove existing	1	13SEP12	13SEP12	13SEP12	13SEP12	0	101	6,931.60								
8200-0048A	Umbrella lid weld new rim	12	27SEP13	27SEP13	14OCT13	14OCT13	0	90	30,101.20								
8200-0049	VV Umbrella legs Weld reinforcement plates	24	15OCT13	15OCT13	15NOV13	15NOV13	0	90	55,123.20								
8200-0050	VV umbrella legs Remove existing Hardware	5	18NOV13	18NOV13	22NOV13	22NOV13	0	90	11,484.00								
8200-0051	Umbrella legs add reinforcement plate	5	25NOV13	25NOV13	03DEC13	03DEC13	0	90	11,484.00								
8200-0052	TF Install Datums & Remove turnbuckles	8	25MAR13	25MAR13	03APR13	03APR13	0	85	17,772.80								
8200-0052A	TF U&L Remove Existing clevis bolts	12	04APR13	04APR13	19APR13	19APR13	0	85	26,659.20								
8200-0052B	TF reinforce clevis	12	22APR13	22APR13	07MAY13	07MAY13	0	85	26,659.20								
8200-0052C	TF Install new TF wet layup & clamp	9	08MAY13	08MAY13	20MAY13	20MAY13	0	85	19,994.40								
8200-0053	TF Install new clamps	12	21MAY13	21MAY13	06JUN13	06JUN13	0	85	26,659.20								

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY						
											FY11	FY12	FY13	FY14	FY15	FY16	
8200-0054	TF Install Vessel Ties & Align	18	07JUN13	07JUN13	02JUL13	02JUL13	0	85	39,988.80								
8200-0055	TF Install new hoop brace	12	03JUL13	03JUL13	22JUL13	22JUL13	0	85	26,659.20								
8200-0056	TF Align and match drill new hoop brace	18	23JUL13	23JUL13	15AUG13	15AUG13	0	85	39,988.80								
8200-0057	TF Install and torque all bolts	8	16AUG13	16AUG13	27AUG13	27AUG13	0	85	17,772.80								
8200-0058	Design & build lifting method	16	03OCT11*	03OCT11*	24OCT11	24OCT11	0	323	111,948.96								
8200-0059	PF2 Mark Location: lift and support	1	14SEP12	14SEP12	14SEP12	14SEP12	0	101	2,175.80								
8200-0060	PF2 Replace existing hardware (bolted)	1	26NOV12	26NOV12	26NOV12	26NOV12	0	53	2,221.60								
8200-0061	PF2 Install New plates (bolted)	4	27NOV12	27NOV12	30NOV12	30NOV12	0	53	8,886.40								
8200-0062	PF2 weld reinforcement	8	03DEC12	03DEC12	12DEC12	12DEC12	0	53	17,772.80								
8200-0063	PF2 Reinstall & Realign	2	13DEC12	13DEC12	14DEC12	14DEC12	0	53	4,443.20								
8200-0064	PF3 lift and support	2	17DEC12	17DEC12	18DEC12	18DEC12	0	53	4,443.20								
8200-0065	PF3 remove bolted support	1	19DEC12	19DEC12	19DEC12	19DEC12	0	53	2,221.60								
8200-0066	PF3 Install new bolted support	8	20DEC12	20DEC12	09JAN13	09JAN13	0	53	17,772.80								
8200-0067	PF3 weld reinforcement	18	10JAN13	10JAN13	04FEB13	04FEB13	0	297	39,988.80								
8200-0068	PF3 Reinstall & Realign	3	05FEB13	05FEB13	07FEB13	07FEB13	0	297	8,886.40								
8200-0069	PF5/U/L Disconnect existing midplane columns	4	10JAN13	10JAN13	15JAN13	15JAN13	0	53	8,886.40								
8200-0070	PF4, 5 lift and install 1/4" plate	8	16JAN13	16JAN13	25JAN13	25JAN13	0	53	17,772.80								
8200-0071	PF4, 5 Install newbolts and torque	6	28JAN13	28JAN13	04FEB13	04FEB13	0	53	13,329.60								
8200-0072	Prefit &match drill new umbrella lid	10	05FEB13	05FEB13	18FEB13	18FEB13	0	53	44,432.00								
Lower Half																	
8200-0076	Umbrella Lid Remove existing	1	27NOV12	27NOV12	27NOV12	27NOV12	0	103	4,443.20								
8200-0076A	Umbrella Lid weld new rim	12	24JUN13	24JUN13	11JUL13	11JUL13	0	57	29,299.20								
8200-0077	TF Install new clamps	12	01OCT13*	01OCT13*	16OCT13	16OCT13	0	62	27,561.60								
8200-0078	TF Install Vessel ties & Align	18	17OCT13	17OCT13	11NOV13	11NOV13	0	62	41,342.40								
8200-0079	TF Install new hoop brace	12	12NOV13	12NOV13	27NOV13	27NOV13	0	62	27,561.60								
8200-0080	TF Align and match drill new hoop brace	18	02DEC13	02DEC13	06JAN14	06JAN14	0	62	41,342.40								
8200-0081	TF Install and torque all bolts	8	07JAN14	07JAN14	16JAN14	16JAN14	0	62	18,374.40								
8200-0082	PF2 Mark location; lower and support	2	28NOV12	28NOV12	29NOV12	29NOV12	0	103	4,443.20								
8200-0083	PF2 Replace existing hardware (bolted)	1	01APR13*	01APR13*	01APR13	01APR13	0	24	2,221.60								
8200-0084	PF2 Install New plates (bolted)	4	02APR13	02APR13	05APR13	05APR13	0	24	8,886.40								
8200-0085	PF2 weld reinforcement	8	08APR13	08APR13	17APR13	17APR13	0	24	17,772.80								

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	FY						
											FY11	FY12	FY13	FY14	FY15	FY16	
8200-0086	PF2 Reinstall	2	18APR13	18APR13	19APR13	19APR13	0	24	4,443.20								
8200-0087	PF3 lower and support	2	22APR13	22APR13	23APR13	23APR13	0	24	4,443.20				EM//ST =40 ;				
8200-0088	PF3 remove bolted support	1	24APR13	24APR13	24APR13	24APR13	0	24	2,221.60				EM//ST =20 ;				
8200-0089	PF3 Install new bolted support	8	25APR13	25APR13	06MAY13	06MAY13	0	24	17,772.80				EM//ST =160 ;				
8200-0090	PF3 weld reinforcement	18	07MAY13	07MAY13	31MAY13	31MAY13	0	24	39,988.80				EM//ST =360 ;				
8200-0091	PF3 Reinstall & Align	3	03JUN13	03JUN13	05JUN13	05JUN13	0	24	6,664.80				EM//ST =60 ;				
8200-0092	PF4, 5 lower and install 1/4" plate	12	06JUN13	06JUN13	21JUN13	21JUN13	0	24	17,772.80				EM//ST =20 ;				
8200-0093	PF4, 5 Install new bolts and torque	6	24JUN13	24JUN13	01JUL13	01JUL13	0	24	13,329.60				EM//ST =20 ;				
8200-0094	PF4 Install new clamps	12	02JUL13	02JUL13	19JUL13	19JUL13	0	24	26,659.20				EM//ST =240 ;				
8200-0095	PF5 U&L Reconnect & Install New Interstitial	6	22JUL13	22JUL13	29JUL13	29JUL13	0	24	13,329.60				EM//ST =120 ;				
8200-0095A	TF Reinforce clevis	12	30JUL13	30JUL13	14AUG13	14AUG13	0	24	26,659.20				EM//ST =240 ;				
8200-0095B	TF Install new TF wet layup & clamp	9	15AUG13	15AUG13	27AUG13	27AUG13	0	24	19,994.40				EM//ST =180 ;				
8200-0096	VV Umbrella legs Weld reinforcement plate	24	28AUG13	28AUG13	01OCT13	01OCT13	0	24	53,393.60				EM//ST =480 ;				
8200-0097	Umbrella leg Remove Existing hardware	5	02OCT13	02OCT13	08OCT13	08OCT13	0	24	11,484.00				EM//ST =100 ;				
8200-0098	Umbrella legs Add reinforcement plate	8	09OCT13	09OCT13	18OCT13	18OCT13	0	24	18,374.40				EM//ST =160 ;				
8200-0099	TF Install New Coil	5	21OCT13	21OCT13	25OCT13	25OCT13	0	24	90,468.00				EM//ST =200 ;				
8200-0100	Prefit & Match Drill New Umbrella Lid	10	28OCT13	28OCT13	08NOV13	08NOV13	0	24	45,936.00				41=50,000 EM//ST =400 ;				
8200-0101	VV Legs Reinforcements Plate	8	11NOV13	11NOV13	20NOV13	20NOV13	0	24	18,374.40				EM//ST =160 ;				
8200-0102	Reinstall platform sections	8	17JAN14	17JAN14	28JAN14	28JAN14	0	62	36,748.80				EM//ST =320 ;				
Alignment Verification Coil & VV																	
8200-0105	Map internal targets to external	10	21NOV13*	21NOV13*	06DEC13	06DEC13	0	24	37,619.20				EM//EM =80 ; em//st=200				
8200-0106	Verify Vessel Aligmenmt targets	10	09DEC13	09DEC13	20DEC13	20DEC13	0	24	37,619.20				EM//EM =80 ; em//st=200				
8200-0107	Verify Coil Alignment Targets	20	02JAN14	02JAN14	29JAN14	29JAN14	0	24	75,238.40				EM//EM =160 ; em//st=400				
8200-0108	Adjust vessel Internals	30	30JAN14	30JAN14	12MAR14	12MAR14	0	24	112,857.60				EM//EM =240 ; em//st=600				
8200-0109	Adjust TF Coils	4	13MAR14	13MAR14	18MAR14	18MAR14	0	24	15,047.68				EM//EM =32 ; em//st=80				
8200-0110	Adjust PF Coils	6	19MAR14	19MAR14	26MAR14	26MAR14	0	24	22,571.52				EM//EM =48 ; em//st=120				
8200-0112	Fit and Install PF 1a, 1b, 1c U&L buswork	15	02OCT13*	02OCT13*	22OCT13	22OCT13	0	56	34,452.00				EM//ST =300 ;				
8200-0113	Fit and Install OH U&L buswork	15	23OCT13	23OCT13	12NOV13	12NOV13	0	56	34,452.00				EM//ST =300 ;				
8200-0114	Install CHI & Ring bus	8	13NOV13	13NOV13	22NOV13	22NOV13	0	56	18,374.40				EM//ST =160 ;				
8200-0115	Install TF coil cooling system (72)	3	25NOV13	25NOV13	27NOV13	27NOV13	0	56	6,890.40				EM//ST =60 ;				
8200-0116	Install Inboard Divertor heating/cooling system	15	02DEC13	02DEC13	20DEC13	20DEC13	0	56	34,452.00				EM//ST =300 ;				

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl't	FY11						FY12						FY13						FY14						FY15						FY16					
8200-0117	New TF air cooled bus and support system	25	02JAN14	02JAN14	05FEB14	05FEB14	0	56	57,420.00																																					
Reinstall Equipment																																														
8200-0120	Gas Injection System	15	11APR14	10APR14	01MAY14	30APR14	1	11	68,904.00																																					
8200-0121	Reinstall insulation	10	02MAY14	01MAY14	15MAY14	14MAY14	1	11	22,968.00																																					
8200-0122	Platform areas reinstall	10	16MAY14	15MAY14	30MAY14	29MAY14	1	11	45,936.00																																					
8200-0123	Heating Manifold Reconfigure	10	06FEB14	06FEB14	19FEB14	19FEB14	0	86	56,718.00																																					
8200-0124	Re-install RF pipes	30	16MAY14*	15MAY14*	27JUN14	26JUN14	1	51	243,575.20																																					
8200-0125	Reinstall electrical Tray	40	02JUN14	30MAY14	28JUL14	25JUL14	1	11	91,872.00																																					
Bay by Bay Diagnostic																																														
8200-0130	Perform bay by bay review Elect	2	27MAR14	27MAR14	28MAR14	28MAR14	0	24	7,287.20																																					
8200-0131	Perform bay by bay review Mech	2	31MAR14	31MAR14	01APR14	01APR14	0	24	7,287.20																																					
8200-0132	Write reinstallation procedures	5	02APR14	02APR14	08APR14	08APR14	0	24	18,218.00																																					
8200-0133	Reinstall Mech	10	09APR14	09APR14	22APR14	22APR14	0	24	36,748.80																																					
8200-0134	Reinstall Upper and lower port Eqpt	18	23APR14	23APR14	16MAY14	16MAY14	0	24	66,147.84																																					
8200-0135	Reinstall Elect	10	29JUL14	28JUL14	11AUG14	08AUG14	1	11	22,968.00																																					
8200-0136	Testing	10	12AUG14	11AUG14	25AUG14	22AUG14	1	11	22,968.00																																					
Job: 8250 - Remove/Install Centerstack-PERRY																																														
Remove Old Centerstack																																														
8250-101	Disconnect Hoses	1	02JAN13*	02JAN13*	02JAN13	02JAN13	0	180	4,967.20																																					
8250-105	Remove umbrella lid (top and bottom)	1	03JAN13	03JAN13	03JAN13	03JAN13	0	180	4,967.20																																					
8250-109	Remove flex bus (top and bottom)	6	04JAN13	04JAN13	11JAN13	11JAN13	0	180	40,466.88																																					
8250-113	Support lower support structure	4	14JAN13	14JAN13	17JAN13	17JAN13	0	180	26,977.92																																					
8250-117	lift old centerstack	2	18JAN13	18JAN13	21JAN13	21JAN13	0	180	13,488.96																																					
8250-121	Remove old centerstack pedestal	5	22JAN13	22JAN13	28JAN13	28JAN13	0	235	20,392.80																																					
8250-122	Purchase passive plate bolts	65	17OCT12	17OCT12	28JAN13	28JAN13	0	235	63,360.00																																					
8250-122A	Replace mounting bolts for passive plates	60	29JAN13	29JAN13	22APR13	22APR13	0	235	85,309.44																																					
Install New Centerstack																																														
8250-123	Dsgn Lift Fixture for new centerstack pedestal	120	01OCT12*	01OCT12*	28MAR13	28MAR13	0	182	106,284.00																																					
8250-124	Fab Lift Fixture for new centerstack pedestal	70	01OCT13*	01OCT13*	20JAN14	20JAN14	0	54	68,623.20																																					
8250-125	Install new centerstack pedestal	10	21JAN14	21JAN14	03FEB14	03FEB14	0	54	46,186.00																																					
8250-129	Lift in new centerstack (2 times)	4	07APR14	04APR14	10APR14	09APR14	1	11	27,879.04																																					
8250-133	Check vacuum seals	5	11APR14	10APR14	17APR14	16APR14	1	13	21,068.00																																					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip (Days)	Total Float	Budgeted Cost	% Cmpl	FY11						FY12						FY13						FY14						FY15						FY16					
8250-137	Install new flex bus (3 times w/ re-machinings)	27	18APR14	17APR14	27MAY14	23MAY14	1	13	190,883.52		EM//ST =1,296 ; EM//SM =216 ; 41=2,000 ;																																			
8250-141	Install new umbrella (3 times w/ re-machinings)	6	28MAY14	27MAY14	04JUN14	03JUN14	1	13	41,818.56		EM//ST =288 ; EM//SM =48 ;																																			
Close Vessel and Pumpdown																																														
8250-145	Clean, Photo, Close VV	9	05JUN14	04JUN14	17JUN14	16JUN14	1	13	79,264.80		EM//ST =576 ; EM//SM =72 ;																																			
8250-149	Pumpdown	1	18JUN14	17JUN14	18JUN14	17JUN14	1	13	6,969.76		EM//ST =48 ; EM//SM =08 ;																																			
8250-153	Leak check	12	19JUN14	18JUN14	07JUL14	03JUL14	1	13	83,637.12		EM//ST =576 ; EM//SM =96 ;																																			
8250-157	Setup for Bakeout	5	08JUL14	07JUL14	14JUL14	11JUL14	1	13	34,848.80		EM//ST =240 ; EM//SM =40 ;																																			
8250-161	Rayleigh/Raman Scattering	5	15JUL14	14JUL14	21JUL14	18JUL14	1	13	16,474.40		EM//ST =80 ; EM//SM =40 ;																																			
8250-165	Bakeout	16	22JUL14	21JUL14	12AUG14	11AUG14	1	13	140,915.20		EM//ST =1,024 ; EM//SM =128 ;																																			
8250-169	Recover from bakeout & scrub	7	13AUG14	12AUG14	21AUG14	20AUG14	1	13	48,788.32		EM//ST =336 ; EM//SM =56 ;																																			
8250-173	Ready for ISTEP	0			25AUG14	22AUG14	1	11	0.00																										EM//ST =00 ;											
Job: 7900 - Integrated System Test-GENTILE																																														
Integrated System Testing (WBS 1.7 / Job 7900)																																														
7900-110	Prepare NBI2 & CS ISTEP Test Procedures	65	02OCT13*	02OCT13*	14JAN14	14JAN14	0	127	21,976.80																										EM//EM =120 ;											
7900-120	Conduct ACC Review of Upgrades	40	15JAN14	15JAN14	11MAR14	11MAR14	0	127	30,661.60		EM//EM =80 ; EE//EM =80 ;																																			
7900-140	Perform ISTEP	15	04SEP14	04SEP14	24SEP14	24SEP14	0	4	14,651.20																										EM//EM =80 ;											
7900-150	Participate in cost and schedule reviews	911*	01OCT10*	01OCT10A	03SEP14	02JUN14	65	84	6,881.11	LOE																									EM//EM =40 ;											
7900-999	NSTX RESUME OPERATIONS	0			24SEP14	24SEP14	0	4	0.00																										EM//EM =00 ;											
FY107900	FY10 Actual Cost	40	02NOV09A	02NOV09A	23DEC09A	23DEC09A	0		3,956.00	100																																				