

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY				
													FY11	FY12	FY13	FY14	FY15
<b>NSTX Upgrade Project</b>																	
<b>Critical Decisions</b>																	
<b>LEVEL I</b>																	
CD1A	CD1 Approval	0	15APR10A	15APR10A				0	100	0.00	0.00	B					
CD2A	Receive CD-2 Approval	0	20DEC10A	20DEC10*				0	100	0.00	0.00	B	▼				
CD3A	Receive CD-3 Approval	0	24OCT11	23SEP11	910	107	-21	0	0	0.00	0.00	B		▶			
CD4	CD4	0	25JUN15	29MAY15	0	-19	-19	0	0	0.00	0.00	B					▶
<b>Level 2 Milestones</b>																	
<b>LEVEL II</b>																	
0001	**NSTX FY10 RUN- 15 RUN WEEKS**(FY11-4WKS)	149*	01APR10A	29OCT10A				0	100	0.00	0.00	B	■				
0002	**NSTX FY 11 OPENING/MAINTENANCE**	175*	01NOV10A	15JUL11		0	2,133	0	33	0.00	0.00	B	■	■			
0003	**NSTX FY11 RUN - 20 RUN WEEKS**	131*	15AUG11*	24FEB12		0	2,113	0	0	0.00	0.00	B		■			
0004	**NSTX FY12 MAINTENACE NO VV VENT!**	22*	28FEB12*	28MAR12		0	2,112	0	0	0.00	0.00	B		■			
0006	**NSTX UPGRADE MAJOR OUTAGE**	622	03APR12	30SEP14*		181	1,487	0	0	0.00	0.00	B			■	■	■
1000	NB #2 Decon Program Complete	0	29OCT10A	01NOV10*				1	100	0.00	0.00	B	▼				
1010	Project Preliminary Design Review (PDR)	0	23JUN10A	23JUN10A				0	100	0.00	0.00	B					
1070	Friction Stir-Weld Coil Leads TF Conductors	0	24JAN12	05JAN12	0	-19	-13	0	0	0.00	0.00	B			▶		
1150	Complete Assy And Pot Of 4th Inner TF Quadrant	0	28FEB13	11FEB13	0	-19	-13	0	0	0.00	0.00	B				▶	
1160	Complete Fabricate & test Inner TF/OH Coil Assy	0	09OCT13	20SEP13	0	-19	-13	0	0	0.00	0.00	B				▶	
1210	NB Cap Installed	0	03JAN14	03JAN14	0	1	0	0	0	0.00	0.00	B				▶	
1230	Lift In New Centerstack	0	18APR14	09APR14	0	6	-7	0	0	0.00	0.00	B				▶	
1330	Complete ISTP.	0	27OCT14	29SEP14	0	-19	-20	0	0	0.00	0.00	B					▶
CD1	Submit CD-1 Request	0	22JAN10A	22JAN10A				0	100	0.00	0.00	B					
CDR	PROJECT CDR	0	28OCT09A	28OCT09A				0	100	0.00	0.00	B					
FDR	PROJECT FDR	0	15JUL11*	15JUN11*	0	107	-21	0	0	0.00	0.00	B		▶			
LRCD2	Lehman Review	0	10AUG10A	10AUG10A				0	100	0.00	0.00	B					
PDR	PROJECT PDR	0	23JUN10A	23JUN10A				0	100	0.00	0.00	B					
SD-1	NSTX COMPLETE OPERATIONS	0	01MAR12*	01MAR12*	0	139	0	0	0	0.00	0.00	B			▶		
SD-2	BEGIN UPGRADE OUTAGE	0	02APR12	02APR12	0	139	0	0	0	0.00	0.00	B			▶		
SD-3	RESUME OPERATIONS (Early Start)	0	27OCT14*	30SEP14*	0	-19	-19	0	0	0.00	0.00	B					▶
<b>Level 3 Milestones</b>																	
<b>LEVEL 3</b>																	
1019	NBI Final Design Peer Review	0	14APR11A	31MAR11*				-10	100	0.00	0.00	B		▶			
1021	CS Final Design Peer Review	0	18MAY11*	16MAY11*	40	147	-2	0	0	0.00	0.00	B		▶			
1025	Award CS PFC Tiles	0	12JAN12	13DEC11	0	135	-16	0	0	0.00	0.00	B			▶		
1030	Award Inner (TF) Conductor Material Contract	0	12JAN11A	20DEC10				-11	100	0.00	0.00	B	▶				
1035	Award Inner (TF) Conductor Machining contract	0	31MAY11	03MAY11	0	15	-19	0	0	0.00	0.00	B		▶			

Data Date: 30APR11  
Run Date: 20MAY11 13:19

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1105  
EVMS Rule  
A = LOE K = Planning Pkg  
B = Milestone  
C = % Complete

**NSTX UPGRADES**  
April 30, 2011 Status

Legend:

- BASELINE
- FORECAST
- Progress Bar
- Critical Activity

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													FY11	FY12	FY13	FY14	FY15
1037	Award TF Lead Extensions	0		31MAY11	11MAY11	0	-19	-13	0	0.00	0.00	B					
1038	Award Friction Stir Weld Contract	0		31MAY11	03OCT11	100	81	87	0	0.00	0.00	B					
1040	Award Ohmic Heating (OH) Conductor	0		01OCT12	01OCT12	0	60	0	0	0.00	0.00	B					
1050	Complete Machining Inner TF Conductors	0		22MAR12	05MAR12	0	-19	-13	0	0.00	0.00	B					
1051	Deliver TF Quadrant Mold	0		14FEB12	14FEB12	179	160	0	0	0.00	0.00	B					
1052	Award CS Casing	0		22JUN12	22JUN12	0	125	0	0	0.00	0.00	B					
1060	Generate Center Stack (CS) Assembly Procedure	0		07OCT11*	07OCT11	274	431	0	0	0.00	0.00	B					
1080	Complete 1st TF inner quadrant	0		05DEC12	14NOV12	0	-19	-13	0	0.00	0.00	B					
1090	Award Neutral Beam (NB) Vessel Cap	0		01OCT12	01OCT12	0	102	0	0	0.00	0.00	B					
1100	OH Conductor Delivered	0		18JAN13	18JAN13	79	60	0	0	0.00	0.00	B					
1110	Award NB Rectangular Bellows Section	0		11JUN12	11JUN12	0	2	0	0	0.00	0.00	B					
1120	Complete Diagnostics Removals	0		03DEC12	03DEC12	188	189	0	0	0.00	0.00	B					
1130	Award Contract Inner Poloidal Field (PF) Coils	0		11JUN12	11JUN12	14	104	0	0	0.00	0.00	B					
1140	Lift Out Old Centerstack	0		21JAN13	21JAN13	0	212	0	0	0.00	0.00	B					
1170	Begin Final Assembly Of Centerstack	0		11OCT13	30SEP13	0	-19	-9	0	0.00	0.00	B					
1180	Deliver NB Rectangular Bellows Section	0		27JAN14	27JAN14	1	2	0	0	0.00	0.00	B					
1190	Deliver NB Vessel Cap	0		24JUN13	24JUN13	101	102	0	0	0.00	0.00	B					
1200	Complete Final Assembly Of Centerstack	0		11APR14	31MAR14	0	-19	-9	0	0.00	0.00	B					
1220	Begin Field Coil Power Conversion DC Sys Cable I	0		30SEP13	30SEP13	0	13	0	0	0.00	0.00	B					
1240	Deliver Inner Inner PF Coils	0		22APR13	22APR13	0	90	0	0	0.00	0.00	B					
1250	Beam Box Moved and Internals Installed	0		10DEC13	17JAN14	0	8	20	0	0.00	0.00	B					
1260	Install New Umbrella	0		12JUN14	03JUN14	0	6	-7	0	0.00	0.00	B					
1270	Begin Re-Installation Of Diagnostics	0		12FEB14	12FEB14	0	1	0	0	0.00	0.00	B					
1280	Complete Refurbishment Of Sources	0		01AUG14	01AUG14	0	20	0	0	0.00	0.00	B					
1290	Reinstall New Pump Duct	0		12FEB14	12FEB14	85	91	0	0	0.00	0.00	B					
1300	Begin Machine Pump down	0		25JUN14	18JUN14	0	6	-5	0	0.00	0.00	B					
1310	Complete FCPC DC Systems Cable Installation	0		03FEB14	03FEB14	0	13	0	0	0.00	0.00	B					
1320	Re-Installation Of Diagnostics Complete	0		29MAY14	29MAY14	19	25	0	0	0.00	0.00	B					
CD2	Submit CD2 Request	0		24NOV10A	05NOV10*			-13	100	0.00	0.00	B					
CD3	Submit CD3 Request	0		12SEP11	11AUG11	0	107	-21	0	0.00	0.00	B					
LRCD3	Lehman Review	0		19AUG11	21JUL11	0	107	-21	0	0.00	0.00	B					

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

1000-0002	Maintain Global model with updated design concep	21	03MAY10A	01JUN10A	01JUN10A			0	100	0.00	0.00	C
1000-0003	Maintain updated 96 Scenarios	21	03MAY10A	01JUN10A	01JUN10A			0	100	0.00	0.00	C
1000-0004	Generic Tile Qualification Program	21	03MAY10A	01JUN10A	01JUN10A			0	100	0.00	0.00	C
1000-0005	Maintain Disruption Scenarios	21	03MAY10A	01JUN10A	01JUN10A			0	100	0.00	0.00	C
1000-0006	Develop List of in-service Inspection Areas	21	03MAY10A	01JUN10A	01JUN10A			0	100	0.00	0.00	C
1000-0007	Dynamic Response to Normal Loads PF4/5/TF/TF OOP	21	03MAY10A	01JUN10A	01JUN10A			0	100	0.00	0.00	C
1000-0008	Fault, FMEA evaluation and analyses	21	03MAY10A	01JUN10A	01JUN10A			0	100	0.00	0.00	C
1000-0009	PDR Documentation	21	02JUN10A	30JUN10A	30JUN10A			0	100	0.00	0.00	C

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													FY11	FY12	FY13	FY14	FY15	
1000-0011	Maintain Global model with updated design concep	220*	01JUL10A	18MAY11	13JUN11	0	126	17	85	15,853.83	18,695.78	C						
1000-0012	Maintain updated 96 Scenarios	220*	01JUL10A	18MAY11	25APR11	0	147	-17	85	15,853.83	18,599.94	C						
1000-0013	Generic Tile Qualification Program	220*	01JUL10A	18MAY11	25FEB11	0	147	-58	85	31,707.66	36,861.73	C						
1000-0015	Develop List of in-service Inspection Areas(LOE)	241*	01JUL10A	17JUN11	25APR11	0	126	-38	60	11,223.17	18,599.94	C						
1000-0016	Dynamic Response to Normal Loads PF4/5/TF/TF OOP	220*	01JUL10A	18MAY11	25FEB11	0	147	-58	75	13,988.67	18,430.86	C						
1000-0017	Fault, FMEA analyses (LOE)	220*	01JUL10A	18MAY11	25FEB11	0	147	-58	20	3,730.31	18,430.86	C						
1000-0017A	CSU Analytical Support - Peer Review	0		18MAY11*		0	147	0	0	0.00	0.00	B						
1000-0018	FDR Prep/documentation	21*	19MAY11*	17JUN11	13JUN11	0	126	-4	0	0.00	19,268.00	C						
1000-0019	CONDUCT FDR	3	22JUN11*	24JUN11	13JUN11*	0	121	-9	0	0.00	1,926.80	C						
1000-0022	Title 3 Analysis Support	810*	27JUN11	25SEP14	25SEP14	0	1,490	0	0	0.00	192,959.79	A						
FY101000	FY10 Actual Cost	85*	04JAN10A	30APR10A	30APR10A			0	100	33,760.00	33,760.00	C						
FY101000A	FY10 Actual Cost	110	03MAY10A	30SEP10A	30SEP10A			0	100	6,931.00	6,931.00	C						

**Job: 1001 - CS Plasma Facing Components-TRESEMER**

**Design**

1001-0021	NDA, Export Control Issues	146*	03MAY10A	29OCT10A	29NOV10			19	100	7,256.97	7,342.02	C						
1001-0029	PDR Prep	36	03MAY10A	22JUN10A	22JUN10A			0	100	0.00	0.00	C						
1001-0030	CONDUCT PDR	2	23JUN10A	24JUN10A	24JUN10A			0	100	0.00	0.00	C						
1001-0031	Receipt of Material data	110*	23JUN10A	29OCT10A	29NOV10			19	100	292.33	296.49	C						
1001-0031A	Processing of Material data	5	01NOV10A	05NOV10A	06DEC10			19	100	316.42	316.42	C						
1001-0032	Order Samples for testing (6 wks lead)	149*	23JUN10A	31JAN11A	28FEB11			20	100	19,543.06	19,616.75	C						
1001-0034	PDR chit resolution	60*	25JUN10A	20SEP10A	20SEP10A			0	100	0.00	0.00	C						
1001-0035	Update WAF for Lehman Review (prep)	30	25JUN10A	06AUG10A	06AUG10A			0	100	0.00	0.00	C						
1001-0036	Generic Tile Qualification Program	61*	25JUN10A	21SEP10A	21SEP10A			0	100	0.00	0.00	C						
1001-0037	Lehman Review	2	10AUG10A	11AUG10A	11AUG10A			0	100	0.00	0.00	C						
1001-0038A	Fastener Mock-up	77*	02SEP10A	22DEC10A	06DEC10			-12	100	45,622.41	45,436.17	C						
1001-0039	Disruption Forces - Final Tile Analysis	75*	12AUG10A	29OCT10A	29NOV10			19	100	20,651.65	21,008.28	C						
1001-0040	Thermal system - Final Tile Analysis	52*	18OCT10A	07JAN11A	30NOV10			-22	100	26,630.60	26,630.60	C						
1001-0041	Fastener Scheme - Final Tile Analysis	125*	16DEC10A	17JUN11	25FEB11	0	135	-79	85	31,852.73	37,473.80	C						
1001-0043	Part re-design	61*	24FEB11A	19MAY11	25MAR11	0	135	-39	60	12,758.40	21,264.00	C						
1001-0044	Tile adjustments/Drawings	41*	24MAR11A	19MAY11	15APR11	0	178	-24	60	6,531.17	10,885.28	C						
1001-0045	Fastener Prototype	97*	15FEB11A	30JUN11	27MAY11	0	135	-23	15	7,273.39	48,489.24	C						
1001-0046	Testing	20	01JUL11	29JUL11	27JUN11	0	135	-23	0	0.00	16,651.50	C						
1001-0048	Mechanical - Material Testing	59*	20DEC10A	18MAR11A	28MAR11			6	100	20,132.30	20,132.30	C						
1001-0049	Thermal - Material Testing	53*	20DEC10A	10MAR11A	21MAR11			7	100	12,999.70	12,999.70	C						
1001-0050	Review Data - Material Testing	10	16MAY11*	27MAY11	04APR11	0	123	-39	0	0.00	6,328.40	C						

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													FY11	FY12	FY13	FY14	FY15
1001-0053	Make Material Choices	10	31MAY11	13JUN11	18APR11	4	127	-39	0	0.00	6,328.40	C					
1001-0054	Finalize Designs/Drawings	45	01AUG11	03OCT11	30AUG11	0	135	-23	0	0.00	50,628.64	C					
1001-0055	Drawings (Assem/Installation)	287*	01NOV10A	23DEC11	21DEC11	0	369	-2	40	78,009.21	194,749.87	C					
1001-0056	Prep Procurement Specs	15	04OCT11	24OCT11	21SEP11	0	135	-23	0	0.00	4,746.30	C					
1001-0056A	CS Plasma Facing Components Peer Review	0		18MAY11*			1,020	2,326	0	0.00	0.00	B					
1001-0057	FDR Prep	24	16MAY11	17JUN11	10JUN11	2	123	-5	0	0.00	34,174.08	C					
1001-0058	CONDUCT FDR	3	22JUN11*	24JUN11	14JUN11	14	121	-8	0	0.00	7,612.80	C					
<b>Procure, Fab &amp; Assembly</b>																	
1001-0062	Prep Req & Proc Package - Tiles (CFC)	9	25OCT11*	04NOV11	13OCT11	0	135	-16	0	0.00	6,939.60	C					
1001-0063	Submit Req. to Procurement - Tiles (CFC)	2	07NOV11	08NOV11	17OCT11	0	135	-16	0	0.00	693.96	C					
1001-0064	Bid & Award (Procurement Lead Time - Tiles (CFC)	40	09NOV11	13JAN12	14DEC11	0	135	-16	0	0.00	5,551.68	C					
1001-0065	Award - Tiles (CFC)	1	13JAN12*	13JAN12	14DEC11	0	135	-16	0	0.00	0.00	C					
1001-0066	Fabricate and Deliver - CFC Material	160	16JAN12	28AUG12	06AUG12	22	135	-16	0	0.00	432,818.40	C					
1001-0066B	Prep Req & Proc Package - Machine Tiles (CFC)	10	04JUN12	15JUN12	15JUN12	0	98	0	0	0.00	6,049.80	C					
1001-0066C	Submit Req. to Procurement - Machine Tiles (CFC)	2	31JUL12	01AUG12	01AUG12	0	113	0	0	0.00	693.96	C					
1001-0066D	Bid & Award (Proc Lead Time - Machine Tiles(CFC)	39	02AUG12	26SEP12	26SEP12	0	113	0	0	0.00	5,551.68	C					
1001-0066E	Award - Machine Tiles (CFC)	2	27SEP12	28SEP12	28SEP12	0	113	0	0	0.00	0.00	C					
1001-0066F	Fabricate/Machine tiles + diagnostics	85	01OCT12*	07FEB13	07FEB13	0	113	0	0	0.00	321,316.90	C					
1001-0069	Tile Bakeout	40	08FEB13	04APR13	04APR13	112	113	0	0	0.00	66,000.00	C					
1001-0071	Prep Req & Proc Package - hardware, other materl	10	18JUN12*	29JUN12	29JUN12	0	98	0	0	0.00	6,049.80	C					
1001-0072	Submit Req. to Procurement - hardware, other mat	2	02JUL12	03JUL12	03JUL12	0	98	0	0	0.00	693.96	C					
1001-0073	Procurement Lead Time - hardware, other material	40	05JUL12	29AUG12	29AUG12	0	98	0	0	0.00	5,551.68	C					
1001-0074	Award - hardware, other materials	1	30AUG12	30AUG12	30AUG12	0	98	0	0	0.00	0.00	C					
1001-0075	Fabricate and Deliver - hardware, other material	160	31AUG12	25APR13	25APR13	97	98	0	0	0.00	282,951.30	C					
1001-0078	Fab/Assembly Procedures	30	19JUN13	01AUG13	16AUG13	0	1	11	0	0.00	21,256.80	C					
1001-0079	Tile Assembly with Hardware	40	16SEP13*	08NOV13	25NOV13	0	1	11	0	0.00	40,312.48	C					
1001-0082	Installation Procedure	30	02AUG13	13SEP13	30SEP13	0	1	11	0	0.00	21,256.80	C					
1001-0083	Tile Re-fit, as needed, additional machining	30	16SEP13*	25OCT13	11NOV13	20	1	11	0	0.00	34,887.20	C					
FY091001	FY09 Actual Cost	22	23FEB09A	30SEP09A	30SEP09A			0	100	64,576.00	64,576.00	C					
FY101001	FY10 Actual Cost	100*	01DEC09A	30APR10A	30APR10A			0	100	103,885.00	103,885.00	C					
FY101001A	FY10 Actual Cost	130	01APR10A	30SEP10A	30SEP10A			0	100	99,233.32	99,233.32	C					
FY101110	FY10 Actual Cost	85	01OCT09A	31JAN10A	31JAN10A			0	100	49,992.00	49,992.00	C					
<b>Job: 1002 -Passive Plate Analysis &amp;Upgrade-TITUS</b>																	
1000-0014	Maintain Disruption Scenarios (xfer from 1000)	241*	01JUL10A	17JUN11	25FEB11	0	126	-79	85	15,899.49	18,430.86	C					
1002-0005	Check/Correct Vector Potential Solution	21	03MAY10A	01JUN10A	01JUN10A			0	100	0.00	0.00	C					
1002-0014	Disposition PDR Chits	144*	02JUN10A	02DEC10A	03JAN11			16	100	14,288.68	14,413.76	C					
1002-0015	Check/Correct Vector Potential Solution	200*	02JUN10A	29OCT10A	22MAR11			94	100	14,055.04	14,693.94	C					



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													FY11	FY12	FY13	FY14	FY15
1201-0032	Validation of Design Complete	84*	21FEB11A	17JUN11	05MAY11	0	123	-30	50	2,890.20	5,780.40	C	EA//EM =30				
1201-0033	Update CAD Models per Validation	84*	21FEB11A	17JUN11	19MAY11	0	123	-20	50	2,123.47	4,246.94	C	EA//SB =34 ;				
1201-0034	Revise Fabrication & Assembly Drawings per Valid	44*	18APR11A	17JUN11	03JUN11	0	123	-10	50	3,247.66	6,495.32	C	EA//SB =52 ;				
1201-0035	Review, Check Drawings	4	14JUN11	17JUN11	10JUN11	0	123	-5	0	0.00	7,361.12	C	EM//EM =26 ; EA//SB =26 ;				
1201-0036	Drawings ready for FDR	1	17JUN11	17JUN11	13JUN11	2	123	-4	0	0.00	0.00	C					
1201-0038	FDR	3	22JUN11*	24JUN11	14JUN11*	14	121	-8	0	0.00	0.00	C					
1201-0042	Prep Req & Procurement Package	10	01JUN12*	14JUN12	14JUN12	0	62	0	0	0.00	5,551.68	C		EM//EM =32 ;			
1201-0043	Submit Req to Procurement	1	14JUN12	14JUN12	14JUN12	0	62	0	0	0.00	0.00	C					
1201-0044	Procurement Processing	22	14JUN12	16JUL12	16JUL12	0	62	0	0	0.00	0.00	C					
1201-0045	Submit for Vendor Quotes	1	17JUL12	17JUL12	17JUL12	0	62	0	0	0.00	0.00	C					
1201-0046	Eval Quotes	43	17JUL12	14SEP12	14SEP12	0	62	0	0	0.00	1,387.92	C		EM//EM =08 ;			
1201-0047	Tech Eval of Vendors	43	17JUL12	14SEP12	14SEP12	0	62	0	0	0.00	2,775.84	C		EM//EM =16 ;			
1201-0048	Award / Order Approved	1	17SEP12	17SEP12	17SEP12	0	62	0	0	0.00	0.00	C					
1201-0048A	Fabricate Components - Outer TF Structure	100	18SEP12	15FEB13	15FEB13	0	62	0	0	0.00	509,784.56	C		41=386,992 ;			
1201-0049	Vendor Oversight	100	18SEP12	15FEB13	15FEB13	0	62	0	0	0.00	7,072.46	C		EM//EM =40 ;			
1201-0050	Receipt of Hardware	4	18FEB13	21FEB13	21FEB13	0	62	0	0	0.00	0.00	C					
1201-0051	QA Inspection	10	22FEB13	07MAR13	07MAR13	10	72	0	0	0.00	6,926.10	C		EM//EM =9 ; EM//ST =48 ;			
1201-0052	Resolve Procurement Issues	5	18FEB13	22FEB13	22FEB13	0	62	0	0	0.00	354.28	C		EM//EM =02 ;			
1201-0053	Documentation: Assembly Procedures	15	18FEB13	08MAR13	08MAR13	9	71	0	0	0.00	4,810.80	C		EM//EM =24 ; EA//SB =04 ;			
1201-0054	Assembly of Components	20	25FEB13	22MAR13	22MAR13	0	62	0	0	0.00	9,594.96	C		EM//EM =04 ; EM//ST =80 ;			
1201-0055	Outer TF Structure Parts ready for installation	1	22MAR13	22MAR13	22MAR13	0	62	0	0	0.00	0.00	C					
1201-0056	Handling / Warehouse / Storage	50	22MAR13	31MAY13	31MAY13	512	1,818	0	0	0.00	10,663.68	C		EM//ST =96 ;			

**Job: 1202 - Outer PF2 Coil Structures-SMITH**

1202-0008	Input F/Analysis Group:Prelim Analysis of PF2	1	01JUL10A	01JUL10A	01JUL10A			0	100	0.00	0.00	C
1202-0009	Dsgn Eng/CAD Models: Iteration, Optimizatr, Updt	30	03MAY10A	14JUN10A	14JUN10A			0	100	0.00	0.00	C
1202-0010	Complete Preliminary CAD Models	10	09JUN10A	22JUN10A	22JUN10A			0	100	0.00	0.00	C
1202-0013	ME Analysis/CAD Model Iterations-Stress/EM/Therml	32	03MAY10A	16JUN10A	16JUN10A			0	100	0.00	0.00	C
1202-0014	Analysis of Preliminary Design Approved	1	16JUN10A	16JUN10A	16JUN10A			0	100	0.00	0.00	C
1202-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A			0	100	0.00	0.00	C
1202-0021	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A			0	100	0.00	0.00	C
1202-0028	Update CAD & Design Drawings(10mod/4dwgs)	113*	16AUG10A	31JAN11A	01FEB11			1	100	8,485.33	8,487.17	C
1202-0030	N/A Dsgn Drawing Ready for Checking & Validation	1	16AUG10A	16AUG10A	16AUG10A			0	100	0.00	0.00	C
1202-0031	Validate Analysis: Stress, EM, Thermal	130	24JUN10A	31AUG10A	31AUG10A			0	100	0.00	0.00	C
1202-0032	Analysis & Validation of Design Complete	176*	04OCT10A	17JUN11	26APR11	0	123	-37	95	4,630.43	4,874.14	C
1202-0033	Update CAD Models per Validation	84*	21FEB11A	17JUN11	10MAY11	0	123	-27	90	1,124.19	1,249.10	C
1202-0034	Revise Fabrication & Assembly Dwgs per Validatr	84*	21FEB11A	17JUN11	24MAY11	0	123	-17	80	1,598.85	1,998.56	C
1202-0035	Review, Check Drawings	10	06JUN11	17JUN11	08JUN11	0	123	-7	0	0.00	2,897.80	C
1202-0036	Drawings ready for FDR	1	17JUN11	17JUN11	09JUN11	2	123	-6	0	0.00	0.00	C
1202-0038	FDR	3	22JUN11*	24JUN11	10JUN11*	14	121	-10	0	0.00	0.00	C
1202-0042	Prep Req & Procurement Package	5	01MAR12*	07MAR12	07MAR12	0	53	0	0	0.00	2,081.88	C

													EM//EM =06 ; EA//SB =62 ;				
													EA//SB =02 ; EA//EM =24 ;				
													EA//SB =10 ;				
													EA//SB =16 ;				
													EM//EM =12 ; EA//SB =08 ;				
														EM//EM =12 ;			

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY				
													FY11	FY12	FY13	FY14	FY15
1202-0043	Submit Req to Procurement	1	07MAR12	07MAR12	07MAR12	0	53	0	0	0.00	0.00	C					
1202-0044	Procurement Processing	22	07MAR12	05APR12	05APR12	0	53	0	0	0.00	0.00	C					
1202-0045	Submit for Vendor Quotes	1	06APR12	06APR12	06APR12	0	53	0	0	0.00	0.00	C					
1202-0046	Eval Quotes	43	06APR12	06JUN12	06JUN12	0	53	0	0	0.00	173.49	C					
1202-0048	Award / Order Approved	1	07JUN12	07JUN12	07JUN12	0	53	0	0	0.00	0.00	C					
1202-0049	Vendor Oversight	100	08JUN12	29OCT12	29OCT12	0	53	0	0	0.00	174.26	C					
1202-0050	Receipt of Hardware	1	30OCT12	30OCT12	30OCT12	0	53	0	0	0.00	17,826.60	C					
1202-0051	QA Inspection	10	30OCT12	12NOV12	12NOV12	0	54	0	0	0.00	399.30	C					
1202-0052	Resolve Procurement Issues	5	13NOV12	19NOV12	19NOV12	1	54	0	0	0.00	177.14	C					
1202-0055	Parts ready for installation	1	21NOV12	21NOV12	21NOV12	0	53	0	0	0.00	0.00	C					
1202-0056	Handling / Warehouse / Storage	16	31OCT12	21NOV12	21NOV12	0	53	0	0	0.00	111.08	C					
<b>Job: 1203 - PF3 Support.-SMITH</b>																	
1203-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	32	03MAY10A	16JUN10A	16JUN10A			0	100	0.00	0.00	C					
1203-0014	Analysis of Preliminary Design Approved	1	16JUN10A	16JUN10A	16JUN10A			0	100	0.00	0.00	C					
1203-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A			0	100	0.00	0.00	C					
1203-0021	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A			0	100	0.00	0.00	C					
1203-0029	Update CAD & Design Drawings (2mod/2dwgs)	115*	17AUG10A	31JAN11A	04FEB11			4	100	3,453.77	3,456.74	C					
1203-0030	N/A Dsg Drawings Ready for Checking & Validation	1	16AUG10A	16AUG10A	16AUG10A			0	100	0.00	0.00	C					
1203-0032	Analysis & Validation of Design Complete	176*	04OCT10A	17JUN11	29APR11	0	123	-34	95	4,630.43	4,874.14	C					
1203-0033	Update CAD Models per Validation	84*	21FEB11A	17JUN11	13MAY11	0	123	-24	90	224.84	249.82	C					
1203-0034	Revise Fabrication & Assembly Dwngs per Validatn	84*	21FEB11A	17JUN11	27MAY11	0	123	-14	80	799.42	999.28	C					
1203-0035	Review, Check Drawings	10	06JUN11	17JUN11	13JUN11	0	123	-4	0	0.00	1,448.90	C					
1203-0036	Drawings ready for FDR	1	17JUN11	17JUN11	14JUN11	2	123	-3	0	0.00	0.00	C					
1203-0038	FDR	3	22JUN11*	24JUN11	15JUN11	14	121	-7	0	0.00	0.00	C					
1203-0042	Prep Req & Procurement Package:inconel Bolts	5	03OCT11*	07OCT11	07OCT11	0	172	0	0	0.00	2,081.88	C					
1203-0043	Submit Req to Procurement	1	07OCT11	07OCT11	07OCT11	0	172	0	0	0.00	0.00	C					
1203-0044	Procurement Processing	22	07OCT11	07NOV11	07NOV11	0	172	0	0	0.00	0.00	C					
1203-0045	Submit for Vendor Quotes	1	08NOV11	08NOV11	08NOV11	0	172	0	0	0.00	0.00	C					
1203-0046	Eval Quotes	43	08NOV11	17JAN12	17JAN12	0	172	0	0	0.00	173.49	C					
1203-0048	Award / Order Approved	1	18JAN12	18JAN12	18JAN12	0	172	0	0	0.00	0.00	C					
1203-0049	Vendor Oversight	100	19JAN12	07JUN12	07JUN12	0	172	0	0	0.00	173.49	C					
1203-0050	Receipt of Hardware	5	08JUN12	14JUN12	14JUN12	0	172	0	0	0.00	6,811.20	C					
1203-0051	QA Inspection	10	15JUN12	28JUN12	28JUN12	0	172	0	0	0.00	1,129.12	C					
1203-0055	Parts ready for installation	1	29JUN12	29JUN12	29JUN12	119	172	0	0	0.00	0.00	C					
1203-0056	Handling / Warehouse / Storage	1	29JUN12	29JUN12	29JUN12	0	172	0	0	0.00	108.79	C					
<b>Job: 1204 - PF4/5 Leads &amp; Radial Supports-SMITH</b>																	
1204-0009	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	10	18MAY10A	01JUN10A	01JUN10A			0	100	0.00	0.00	C					
1204-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	24	19MAY10A	22JUN10A	22JUN10A			0	100	0.00	0.00	C					
1204-0014	Analysis of Preliminary Design Approved	1	22JUN10A	22JUN10A	22JUN10A			0	100	0.00	0.00	C					

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY				
													FY11	FY12	FY13	FY14	FY15
1204-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A			0	100	0.00	0.00	C					
1204-0021	DOE CD-2 (Lehman) Review	1	10AUG10A	10AUG10A	10AUG10A			0	100	0.00	0.00	C					
1204-0028	Update CAD & Design Drawings(2mod/2dwg)	174*	17AUG10A	28APR11A	04FEB11			-59	100	3,639.99	3,610.59	C					
1204-0030	N/A Dsg Drawings Ready for Checking & Validation	1	16AUG10A	16AUG10A	16AUG10A			0	100	0.00	0.00	C					
1204-0032	Analysis & Validation of Design Complete	176*	04OCT10A	17JUN11	01APR11	0	123	-54	90	4,161.89	4,624.32	C					
1204-0033	Update CAD Models per Validation	84*	21FEB11A	17JUN11	22APR11	0	123	-39	90	224.84	249.82	C					
1204-0034	Revise Fabrication & Assembly Drawings per Valid	84*	21FEB11A	17JUN11	13MAY11	0	123	-24	80	799.42	999.28	C					
1204-0035	Review, Check Drawings	15	27MAY11	17JUN11	06JUN11	0	123	-9	0	0.00	1,290.69	C					
1204-0036	Drawings ready for FDR	1	17JUN11	17JUN11	07JUN11	2	123	-8	0	0.00	0.00	C					
1204-0038	FDR	3	22JUN11*	24JUN11	08JUN11	14	121	-12	0	0.00	0.00	C					
1204-0039	NOTE: Only visco mtl (shim) rqrd. incl in 1208	0	16JAN13	15JAN13	15JAN13	0	53	0	0	0.00	0.00	B					
<b>Job: 1205 - Umbrella-SMITH</b>																	
<b>Lower Umbrella</b>																	
1205-0008	Input F/Analysis Group:Interface Detail to CS	1	01JUN10A	01JUN10A	01JUN10A			0	100	0.00	0.00	C					
1205-0009	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	30	03MAY10A	14JUN10A	14JUN10A			0	100	0.00	0.00	C					
1205-0010	Complete Preliminary CAD Models	10	09JUN10A	22JUN10A	22JUN10A			0	100	0.00	0.00	C					
1205-0011	Mockups:CS Struct Real Estate Issues	66	03MAY10A	04AUG10A	04AUG10A			0	100	0.00	0.00	C					
1205-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	32	03MAY10A	16JUN10A	16JUN10A			0	100	0.00	0.00	C					
1205-0014	Analysis of Preliminary Design Approved	1	16JUN10A	16JUN10A	16JUN10A			0	100	0.00	0.00	C					
1205-0016	PDR	1	24JUN10A	24JUN10A	24JUN10A			0	100	0.00	0.00	C					
1205-0018	Dsgn Eng & CAD Models: Iterations, Optim & Updat	38	24JUN10A	17AUG10A	17AUG10A			0	100	0.00	0.00	C					
1205-0021	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A			0	100	0.00	0.00	C					
1205-0024	PDR CAD model Compld-Outr supp ring/clamp/sprng	1	18AUG10A	18AUG10A	18AUG10A			0	100	0.00	0.00	C					
1205-0028	Det Dsgn Eng, CAD/Analysis Iterations(15mod)	209*	17AUG10A	17JUN11	18FEB11	0	123	-84	95	22,942.47	24,115.02	C					
1205-0029	Final design Analysis	210*	16AUG10A	17JUN11	18FEB11	0	123	-84	75	34,907.22	46,479.62	C					
1205-0030	Design Drawings (11dwgs)	82*	23FEB11A	17JUN11	12APR11	0	123	-47	80	9,806.20	12,257.76	C					
1205-0032	Validation of Design Complete	64*	21MAR11A	17JUN11	26APR11	0	123	-37	57	1,647.41	2,890.20	C					
1205-0033	Update CAD Models per Validation	84*	21FEB11A	17JUN11	10MAY11	0	123	-27	50	936.83	1,873.65	C					
1205-0034	Revise Fabrication & Assembly Drawings per Valid	84*	21FEB11A	17JUN11	24MAY11	0	123	-17	50	2,748.02	5,496.04	C					
1205-0035	Review, Check Drawings	4	14JUN11	17JUN11	01JUN11	0	123	-12	0	0.00	7,494.32	C					
1205-0036	Drawings ready for FDR	1	17JUN11	17JUN11	02JUN11	2	123	-11	0	0.00	0.00	C					
1205-0038	FDR	3	22JUN11*	24JUN11	03JUN11	14	121	-15	0	0.00	0.00	C					
1205-0042	Prep Req & Procurement Package	10	01AUG12*	14AUG12	14AUG12	0	57	0	0	0.00	6,939.60	C					
1205-0043	Submit Req to Procurement	1	14AUG12	14AUG12	14AUG12	0	57	0	0	0.00	0.00	C					
1205-0044	Procurement Processing	22	14AUG12	13SEP12	13SEP12	0	57	0	0	0.00	0.00	C					
1205-0045	Submit for Vendor Quotes	1	14SEP12	14SEP12	14SEP12	0	57	0	0	0.00	0.00	C					
1205-0046	Eval Quotes	43	14SEP12	13NOV12	13NOV12	0	57	0	0	0.00	1,409.65	C					
1205-0047	Tech Eval of Vendors	43	14SEP12	13NOV12	13NOV12	0	57	0	0	0.00	1,409.65	C					
1205-0048	Award / Order Approved	1	14NOV12	14NOV12	14NOV12	0	57	0	0	0.00	0.00	C					
1205-0049	Fab & Deliver incl Vendor Oversight	102	15NOV12	18APR13	18APR13	0	57	0	0	0.00	188,224.04	C					



Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY								
													FY11	FY12	FY13	FY14	FY15				
1205-0050	Receipt of Hardware	4	19APR13	24APR13	24APR13	0	57	0	0	0.00	0.00	C									
1205-0051	QA Inspection	10	25APR13	08MAY13	08MAY13	0	57	0	0	0.00	7,457.52	C									
1205-0052	Resolve Procurement Issues	5	09MAY13	15MAY13	15MAY13	0	57	0	0	0.00	354.28	C									
1205-0053	Documentation: Assembly Procedures	10	16MAY13	30MAY13	30MAY13	0	57	0	0	0.00	3,393.68	C									
1205-0054	Assembly of Components	15	31MAY13	20JUN13	20JUN13	0	57	0	0	0.00	4,263.12	C									
1205-0055	Parts ready for installation	1	21JUN13	21JUN13	21JUN13	0	57	0	0	0.00	0.00	C									
1205-0056	Handling / Warehouse / Storage	3	24JUN13	26JUN13	26JUN13	133	172	0	0	0.00	888.64	C									
<b>Upper Umbrella</b>																					
1205-0066	Input F/Analysis Group:Interface Detail to CS	1	01JUN10A	01JUN10A	01JUN10A			0	100	0.00	0.00	C									
1205-0067	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	30	03MAY10A	14JUN10A	14JUN10A			0	100	0.00	0.00	C									
1205-0068	Complete Preliminary CAD Models	10	09JUN10A	22JUN10A	22JUN10A			0	100	0.00	0.00	C									
1205-0069	Mockups:CS Struct Real Estate Issues	66	03MAY10A	04AUG10A	04AUG10A			0	100	0.00	0.00	C									
1205-0071	ME Analysis/CAD Model Iterations-Strss/EM/Therml	32	03MAY10A	16JUN10A	16JUN10A			0	100	0.00	0.00	C									
1205-0072	Analysis of Preliminary Design Approved	1	16JUN10A	16JUN10A	16JUN10A			0	100	0.00	0.00	C									
1205-0074	PDR	1	24JUN10A	24JUN10A	24JUN10A			0	100	0.00	0.00	C									
1205-0076	Dsgn Eng & CAD Models: Iterations, Optim & Updat	38	24JUN10A	17AUG10A	17AUG10A			0	100	0.00	0.00	C									
1205-0079	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A			0	100	0.00	0.00	C									
1205-0081	PDR CAD model Compld-Outr supp ring/clamp/sprng	1	18AUG10A	18AUG10A	18AUG10A			0	100	0.00	0.00	C									
1205-0086	Final Dsgn Eng Iterations, DetailCAD (15mod)	209*	17AUG10A	17JUN11	04FEB11	0	123	-94	95	17,613.69	18,489.33	C									
1205-0087	Final Design Analysis	209*	17AUG10A	17JUN11	04FEB11	0	123	-94	75	34,922.55	46,395.35	C									
1205-0088	Design Drawings (11dwgs)	82*	23FEB11A	17JUN11	22APR11	0	123	-39	80	9,806.20	12,257.76	C									
1205-0090	Validation of Design Complete	64*	21MAR11A	17JUN11	06MAY11	0	123	-29	57	1,647.41	2,890.20	C									
1205-0091	Update CAD Models per Validation	84*	21FEB11A	17JUN11	20MAY11	0	123	-19	50	936.83	1,873.65	C									
1205-0092	Revise Fabrication & Assembly Drawings per Valid	84*	21FEB11A	17JUN11	06JUN11	0	123	-9	50	2,748.02	5,496.04	C									
1205-0093	Review, Check Drawings	4	14JUN11	17JUN11	13JUN11	0	123	-4	0	0.00	7,494.32	C									
1205-0094	Drawings ready for FDR	1	17JUN11	17JUN11	14JUN11	2	123	-3	0	0.00	0.00	C									
1205-0096	FDR	3	22JUN11*	24JUN11	15JUN11	14	121	-7	0	0.00	0.00	C									
1205-0100	Prep Req & Procurement Package	10	01NOV12*	14NOV12	14NOV12	0	67	0	0	0.00	7,085.60	C									
1205-0101	Submit Req to Procurement	1	14NOV12	14NOV12	14NOV12	0	67	0	0	0.00	0.00	C									
1205-0102	Procurement Processing	22	14NOV12	17DEC12	17DEC12	0	67	0	0	0.00	0.00	C									
1205-0103	Submit for Vendor Quotes	1	18DEC12	18DEC12	18DEC12	0	67	0	0	0.00	0.00	C									
1205-0104	Eval Quotes	43	18DEC12	25FEB13	25FEB13	0	67	0	0	0.00	1,417.12	C									
1205-0105	Tech Eval of Vendors	43	18DEC12	25FEB13	25FEB13	0	67	0	0	0.00	1,417.12	C									
1205-0106	Award / Order Approved	1	26FEB13	26FEB13	26FEB13	0	67	0	0	0.00	0.00	C									
1205-0107	Vendor Oversight	102	27FEB13	23JUL13	23JUL13	0	67	0	0	0.00	7,085.60	C									
1205-0108	Receipt of Hardware	5	24JUL13	30JUL13	30JUL13	0	67	0	0	0.00	186,452.64	C									
1205-0109	QA Inspection	10	31JUL13	13AUG13	13AUG13	0	67	0	0	0.00	7,457.52	C									
1205-0110	Resolve Procurement Issues	5	14AUG13	20AUG13	20AUG13	0	67	0	0	0.00	354.28	C									
1205-0111	Documentation: Assembly Procedures	10	21AUG13	04SEP13	04SEP13	0	67	0	0	0.00	3,393.68	C									
1205-0112	Assembly of Components	15	05SEP13	25SEP13	25SEP13	0	67	0	0	0.00	4,263.12	C									
1205-0113	Parts ready for installation	1	26SEP13	26SEP13	26SEP13	0	67	0	0	0.00	0.00	C									

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY				
													FY11	FY12	FY13	FY14	FY15
1205-0114	Handling / Warehouse / Storage	3	27SEP13	01OCT13	01OCT13	129	110	0	0	0.00	898.67	C					
<b>Job: 1206 - Pedestal -SMITH</b>																	
1206-0008	Input F/Analysis Group:Interface Detail to CS	1	01JUN10A	01JUN10A	01JUN10A			0	100	0.00	0.00	C					
1206-0009	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	10	18MAY10A	01JUN10A	01JUN10A			0	100	0.00	0.00	C					
1206-0010	Complete Preliminary CAD Models	10	01JUN10A	14JUN10A	14JUN10A			0	100	0.00	0.00	C					
1206-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	24	19MAY10A	22JUN10A	22JUN10A			0	100	0.00	0.00	C					
1206-0014	Analysis of Preliminary Design Approved	1	22JUN10A	22JUN10A	22JUN10A			0	100	0.00	0.00	C					
1206-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A			0	100	0.00	0.00	C					
1206-0018	Dsgn Eng & CAD Models: Iterations, Optim & Updat	38	24JUN10A	17AUG10A	17AUG10A			0	100	0.00	0.00	C					
1206-0021	DOE CD-2 (Lehman) Review	1	10AUG10A	10AUG10A	10AUG10A			0	100	0.00	0.00	C					
1206-0023	PDR CAD model Compld-Outr supp ring/clamp/sprng	1	18AUG10A	18AUG10A	18AUG10A			0	100	0.00	0.00	C					
1206-0028	Final Dsgn Eng Iteration, Detl CAD Model (19mod)	209*	17AUG10A	17JUN11	04MAR11	0	123	-74	90	13,997.76	15,442.32	C					
1206-0029	Final Design Analysis	209*	17AUG10A	17JUN11	04MAR11	0	123	-74	85	11,590.80	13,533.86	C					
1206-0030	Design Drawings (8dwg)	84*	21FEB11A	17JUN11	22APR11	0	123	-39	80	7,154.80	8,943.50	C					
1206-0032	Validation of Design Complete	40*	22APR11A	17JUN11	06MAY11	0	123	-29	40	2,312.16	5,780.40	C					
1206-0033	Update CAD Models per Validation	84*	21FEB11A	17JUN11	20MAY11	0	123	-19	40	949.32	2,373.29	C					
1206-0034	Revise Fabrication & Assembly Drawings per Valid	84*	21FEB11A	17JUN11	06JUN11	0	123	-9	40	1,598.85	3,997.12	C					
1206-0035	Review, Check, Drawings	5	13JUN11	17JUN11	13JUN11	0	123	-4	0	0.00	5,320.97	C					
1206-0036	Drawings ready for FDR	1	17JUN11	17JUN11	14JUN11	2	123	-3	0	0.00	0.00	C					
1206-0038	FDR	3	22JUN11*	24JUN11	15JUN11	14	121	-7	0	0.00	0.00	C					
1206-0042	Prep Req & Procurement Package	10	02JAN13*	15JAN13	15JAN13	0	53	0	0	0.00	5,668.48	C					
1206-0043	Submit Req to Procurement	1	15JAN13	15JAN13	15JAN13	0	53	0	0	0.00	0.00	C					
1206-0044	Procurement Processing	22	15JAN13	13FEB13	13FEB13	0	53	0	0	0.00	0.00	C					
1206-0045	Submit for Vendor Quotes	1	14FEB13	14FEB13	14FEB13	0	53	0	0	0.00	0.00	C					
1206-0046	Eval Quotes	43	14FEB13	15APR13	15APR13	0	53	0	0	0.00	1,417.12	C					
1206-0047	Tech Eval of Vendors	43	14FEB13	15APR13	15APR13	0	53	0	0	0.00	1,417.12	C					
1206-0048	Award / Order Approved	1	16APR13	16APR13	16APR13	0	53	0	0	0.00	0.00	C					
1206-0049	Vendor Oversight	102	17APR13	11SEP13	11SEP13	0	53	0	0	0.00	1,417.12	C					
1206-0050	Receipt of Hardware	5	12SEP13	18SEP13	18SEP13	0	53	0	0	0.00	62,990.40	C					
1206-0051	QA Inspection	10	19SEP13	02OCT13	02OCT13	0	53	0	0	0.00	2,502.67	C					
1206-0052	Resolve Procurement Issues	5	03OCT13	09OCT13	09OCT13	0	53	0	0	0.00	366.28	C					
1206-0053	Documentation: Assembly Procedures	15	10OCT13	30OCT13	30OCT13	0	53	0	0	0.00	6,438.88	C					
1206-0054	Assembly of Components	20	31OCT13	27NOV13	27NOV13	0	53	0	0	0.00	9,919.76	C					
1206-0055	Parts ready for installation	1	02DEC13	02DEC13	02DEC13	0	53	0	0	0.00	0.00	C					
1206-0057	Handling / Warehouse / Storage	5	03DEC13	09DEC13	09DEC13	72	53	0	0	0.00	1,378.08	C					
<b>Job: 1207 - Vessel Legs -SMITH</b>																	
1207-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	24	19MAY10A	22JUN10A	22JUN10A			0	100	0.00	0.00	C					
1207-0014	Analysis of Preliminary Design Approved	1	22JUN10A	22JUN10A	22JUN10A			0	100	0.00	0.00	C					
1207-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A			0	100	0.00	0.00	C					

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY				
													FY11	FY12	FY13	FY14	FY15
1207-0021	DOE CD-2 (Lehman) Review	1	10AUG10A	10AUG10A	10AUG10A			0	100	0.00	0.00	C					
1207-0028	Updt CAD & Dsgn Dwgs, (3 CAD/2dwg)	132*	17AUG10A	31JAN11A	04FEB11			4	100	4,127.34	4,130.92	C	EM/EM =07	EA/SB =25			
1207-0030	N/A Dsgn Drawing Ready for Checking & Validation	1	16AUG10A	16AUG10A	16AUG10A			0	100	0.00	0.00	C					
1207-0032	Analysis & Validation of Design Complete	176*	04OCT10A	17JUN11	29APR11	0	123	-34	80	1,233.15	1,541.44	C	EA/EM=8				
1207-0033	Update CAD Models per Validation	84*	21FEB11A	17JUN11	13MAY11	0	123	-24	80	299.78	374.73	C	EA/SB =03				
1207-0034	Revise Fabrication & Assembly Drawings per Valid	84*	21FEB11A	17JUN11	27MAY11	0	123	-14	40	399.71	999.28	C	EA/SB =08				
1207-0035	Review, Check Drawings	10	06JUN11	17JUN11	13JUN11	0	123	-4	0	0.00	1,448.90	C	EM/EM =06	EA/SB =04			
1207-0036	Drawings ready for FDR	1	17JUN11	17JUN11	14JUN11	2	123	-3	0	0.00	0.00	C					
1207-0038	FDR	3	22JUN11*	24JUN11	15JUN11	14	121	-7	0	0.00	0.00	C					
1207-0042	Prep Req & Procurement Package	3	01FEB13*	05FEB13	05FEB13	0	109	0	0	0.00	3,188.52	C			EM/EM =08		
1207-0043	Submit Req to Procurement	1	05FEB13	05FEB13	05FEB13	0	109	0	0	0.00	0.00	C					
1207-0044	Procurement Processing	22	05FEB13	06MAR13	06MAR13	0	109	0	0	0.00	0.00	C					
1207-0045	Submit for Vendor Quotes	1	07MAR13	07MAR13	07MAR13	0	109	0	0	0.00	0.00	C					
1207-0046	Eval Quotes	43	07MAR13	06MAY13	06MAY13	0	109	0	0	0.00	177.14	C			em/em=1		
1207-0048	Award / Order Approved	1	07MAY13	07MAY13	07MAY13	0	109	0	0	0.00	0.00	C					
1207-0050	Receipt of Hardware	60	08MAY13	02AUG13	02AUG13	0	109	0	0	0.00	5,095.20	C			41=3,860		
1207-0051	QA Inspection	15	05AUG13	23AUG13	23AUG13	0	109	0	0	0.00	177.14	C			EM/EM =01	EM/TB=02	
1207-0052	Resolve Procurement Issues	20	26AUG13	23SEP13	23SEP13	0	109	0	0	0.00	0.00	C			EM/EM=01		
1207-0055	Parts ready for installation	1	24SEP13	24SEP13	24SEP13	0	109	0	0	0.00	0.00	C					
1207-0056	Handling warehouse storage	1	25SEP13	25SEP13	25SEP13	42	109	0	0	0.00	111.08	C			em/st=1		

**Job: 1208 - PF4&5 Verticle Support-SMITH**

1208-0009	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	20	03MAY10A	28MAY10A	28MAY10A			0	100	0.00	0.00	C
1208-0010	Complete Preliminary CAD Models	5	02JUN10A	08JUN10A	08JUN10A			0	100	0.00	0.00	C
1208-0011	Mockups:PF4/5 Vert Supp Struct Real Estate Issue	66	03MAY10A	04AUG10A	04AUG10A			0	100	0.00	0.00	C
1208-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	24	19MAY10A	22JUN10A	22JUN10A			0	100	0.00	0.00	C
1208-0014	Analysis of Preliminary Design Approved	1	22JUN10A	22JUN10A	22JUN10A			0	100	0.00	0.00	C
1208-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A			0	100	0.00	0.00	C
1208-0018	Dsgn Eng & CAD Models: Iterations, Optim & Updat	38	24JUN10A	17AUG10A	17AUG10A			0	100	0.00	0.00	C
1208-0021	DOE CD-2 (Lehman) Review	1	18AUG10A	18AUG10A	18AUG10A			0	100	0.00	0.00	C
1208-0028	Det Dsgn Eng, CAD (42 CAD)	210*	16AUG10A	17JUN11	03FEB11	0	123	-95	95	20,388.25	21,222.29	C
1208-0029	Final Design Analysis	210*	16AUG10A	17JUN11	03FEB11	0	123	-95	90	34,083.03	37,319.88	C
1208-0030	Design Drawings (23 dwg)	84*	21FEB11A	17JUN11	21APR11	0	123	-40	80	20,538.41	25,673.01	C
1208-0032	Validation of Design Complete	64*	21MAR11A	17JUN11	05MAY11	0	123	-30	50	2,890.20	5,780.40	C
1208-0033	Update CAD Models per Validation	84*	21FEB11A	17JUN11	19MAY11	0	123	-20	50	2,623.11	5,246.22	C
1208-0034	Revise Fabrication & Assembly Drawings per Valid	84*	21FEB11A	17JUN11	03JUN11	0	123	-10	5	574.59	11,491.72	C
1208-0035	Review, Check Drawings	5	13JUN11	17JUN11	10JUN11	0	123	-5	0	0.00	13,023.52	C
1208-0036	Drawings ready for FDR	1	17JUN11	17JUN11	13JUN11	2	123	-4	0	0.00	0.00	C
1208-0038	FDR	3	22JUN11*	24JUN11	14JUN11	14	121	-8	0	0.00	0.00	C
1208-0042	Prep Req & Procurement Package	10	02JUL12*	16JUL12	16JUL12	0	62	0	0	0.00	5,551.68	C

													EM/EM =38	EA/SB =126			
													EA/EM =200	EA/SB =0			
													EM/EM =17	EA/SB =184			
													EA/EM=30				
													EA/SB =42				
													EA/SB =92				
													EM/EM =46	EA/SB =46			
															EM/EM =32		

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY				
													FY11	FY12	FY13	FY14	FY15
1208-0043	Submit Req to Procurement	1	16JUL12	16JUL12	16JUL12	0	62	0	0	0.00	0.00	C					
1208-0044	Procurement Processing	22	16JUL12	14AUG12	14AUG12	0	62	0	0	0.00	0.00	C					
1208-0045	Submit for Vendor Quotes	1	15AUG12	15AUG12	15AUG12	0	62	0	0	0.00	0.00	C					
1208-0046	Eval Quotes	43	15AUG12	15OCT12	15OCT12	0	62	0	0	0.00	1,395.39	C					
1208-0047	Tech Eval of Vendors	43	15AUG12	15OCT12	15OCT12	0	62	0	0	0.00	2,790.78	C					
1208-0048	Award / Order Approved	1	16OCT12	16OCT12	16OCT12	0	62	0	0	0.00	0.00	C					
1208-0049	Fab & Deliver incl Vendor Oversight	102	17OCT12	20MAR13	20MAR13	0	62	0	0	0.00	107,986.40	C					
1208-0050	Receipt of Hardware	5	21MAR13	27MAR13	27MAR13	0	62	0	0	0.00	0.00	C					
1208-0051	QA Inspection	10	28MAR13	10APR13	10APR13	0	62	0	0	0.00	2,041.52	C					
1208-0052	Resolve Procurement Issues	5	11APR13	17APR13	17APR13	0	62	0	0	0.00	354.28	C					
1208-0053	Documentation: Assembly Procedures	10	18APR13	01MAY13	01MAY13	0	62	0	0	0.00	4,251.36	C					
1208-0054	Assembly of Components	15	02MAY13	22MAY13	22MAY13	0	62	0	0	0.00	9,594.96	C					
1208-0055	Parts ready for installation	1	23MAY13	23MAY13	23MAY13	0	62	0	0	0.00	0.00	C					
1208-0057	Handling / Warehouse / Storage	5	24MAY13	31MAY13	31MAY13	97	121	0	0	0.00	2,665.92	C					
<b>Job: 1220 - Misc Structural Design-SMITH</b>																	
1220-0016	Final Design Oversight (LOE)	180*	01OCT10A	22JUN11	22JUN11	0	332	0	79	65,824.22	82,902.04	C					
1220-0017	Design/Analysis support from EMEM (Willard)	79*	04OCT10A	31JAN11A	23DEC10			-21	100	50,627.20	50,627.20	C					
1220-0017A	Analysis VV Dome/NB Port & PF2/3 Rib	145*	05OCT10A	05MAY11	01FEB11	0	156	-67	80	5,062.72	6,328.40	C					
1220-0017B	VV & Support Structure - Peer Review	0		18MAY11*	30MAR11*	40	147	-35	0	0.00	0.00	B					
1220-0020	Prep for FDR	5	09JUN11*	15JUN11	15JUN11	21	128	0	0	0.00	6,328.40	C					
1220-0031	Misc/admin	180*	05OCT10A	24JUN11	24JUN11	0	330	0	78	21,867.96	27,928.42	C					
1220-1 PDR	Prelim Design Oversight	38	03MAY10A	24JUN10A	24JUN10A			0	100	0.00	0.00	C					
1220-2 FDR	Final Design Oversight (LOE)	190*	25JUN10A	30SEP10A	30SEP10A			0	100	40,250.16	40,250.16	C					
<b>Job: 1300 - Center Stack-CHRZANOWSKI</b>																	
1300-0010	Engineering & Dsgn Supp-Final Design (LOE)	249*	03MAY10A	29APR11A	29APR11			0	100	272,028.55	272,028.55	A					
1300-0011	Engineering and Design Support-Title III	698	02MAY11*	21FEB14	21FEB14	35	1,621	0	0	0.00	746,937.73	A					
FY101300	FY10 Actual Cost	85	01JAN10A	30APR10A	30APR10A			0	100	48,143.00	48,143.00	C					
FY101300A	FY10 Actual Cost (Corresponds to BCWP)	110	03MAY10A	30SEP10A	30SEP10A			0	100	-4,688.00	-4,688.00	C					
<b>Job: 1301 - Outer TF Coils-CHRZANOWSKI</b>																	
1301-0010	Revise Outer TF Coil (OTF) Drawings	20	02JUL12*	30JUL12	30JUL12	0	103	0	0	0.00	19,198.88	C					
1301-0020	Generate Spec & SOW for OTF Purchase	10	31JUL12	13AUG12	13AUG12	0	103	0	0	0.00	0.00	C					
1301-0030	Prep Requisition & Submit to Procurement'	5	14AUG12	20AUG12	20AUG12	0	103	0	0	0.00	0.00	C					
1301-0040	Bid & Award OTF Manufacturing	30	21AUG12	02OCT12	02OCT12	0	103	0	0	0.00	0.00	C					
1301-0050	Provide Existing OTF Tooling to Vendor	1	03OCT12	03OCT12	03OCT12	0	103	0	0	0.00	0.00	C					
1301-0060	Manufacture (1) OTF Coil	150	04OCT12	14MAY13	14MAY13	0	103	0	0	0.00	122,790.00	C					
1301-0100	Prep Requisitions & Submit to Procurement	15	04SEP12*	24SEP12	24SEP12	0	190	0	0	0.00	0.00	C					
1301-0110	Bid & Award AI Supp Castings & SS Supp Clamps	30	25SEP12	05NOV12	05NOV12	0	190	0	0	0.00	0.00	C					

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY							
													FY11	FY12	FY13	FY14	FY15			
1301-0120	Fab & Del Al Supp Castings & SS Supp Clamps	40	06NOV12	11JAN13	11JAN13	87	190	0	0	0.00	22,625.28	C								
1301-0150	Bid & Award Epoxy/Glass for support blocks	30	25SEP12	05NOV12	05NOV12	0	190	0	0	0.00	0.00	C								
1301-0160	Fab & Del Epoxy/Glass	40	06NOV12	11JAN13	11JAN13	87	190	0	0	0.00	24,037.92	C								
1301-0180	Purchase Copper Fittings	20	25SEP12	22OCT12	22OCT12	137	240	0	0	0.00	1,971.00	C								
1301-0200	Setup work area to install Supports	10	01MAY13	14MAY13	14MAY13	0	103	0	0	0.00	17,772.80	C								
1301-0210	Install alum blocks & SS support clamps	30	15MAY13	26JUN13	26JUN13	79	103	0	0	0.00	52,292.00	C								
1301-0300	Fab Drill Jig for add'l holes in all OTF Flags	5	01OCT13*	07OCT13	07OCT13	0	56	0	0	0.00	11,343.60	C								
1301-0310	Drill (24) Add'l holes in all OTF Flags	50	08OCT13	18DEC13	18DEC13	75	56	0	0	0.00	45,936.00	C								
FY101301	FY10 Actual Cost	22	01APR10A	30APR10A	30APR10A			0	100	1,607.00	1,607.00	C								
FY101301A	FY10 Actual Cost	20	03MAY10A	28MAY10A	28MAY10A			0	100	18,245.00	18,245.00	C								

41=15,000 ; EM//SM =16 ;  
41=15,000 ; EM//SM =24 ;  
41=1,500 ;  
EM//ST =160 ;  
EM//SM =120 ; EM//ST =3220  
EM//ST =60 ;  
EM//ST =40 ; 41=5,000 ;  
EM//ST =400 ;

**Job: 1303 - R&D for TF Joint -KOZUB**

**Material for CSU R&D Plan**

1303-000A	1.2 Fatigue Test Verification - C18150 (TBD)	101*	01SEP10A	31JAN11A	19NOV10			-43	100	0.00	0.00	C							
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**Single Flex Laminate CSU R&D Plan**

1303-000B2	2.2 In-Place Bending Stiffness	100*	01SEP10A	31JAN11A	15DEC10			-27	100	0.00	0.00	C							
1303-000B3	2.3 Cyclic, Simulated Combined Tests	100*	01SEP10A	31JAN11A	15DEC10			-27	100	0.00	0.00	C							

**Full Flex Assembly CSU R&D Plan**

1303-000C1	3.1 Selection Braze vs Solder Between Laminates	1	15SEP10A	15SEP10A	15SEP10A			0	100	0.00	0.00	C							
1303-000C2	3.2 Manufacture Joint w/Actual Hardware & Copper	100*	03JAN11A	20MAY11	01OCT10	0	126	-157	50	0.00	0.00	C							
1303-000C3	3.3 Materials for Testing	112*	15OCT10A	30MAR11A	15NOV10			-89	100	0.00	0.00	C							
1303-000C4	3.4 In-plane Bending Stiffnes (use Joint Sample)	148*	15OCT10A	20MAY11	15NOV10	0	126	-126	80	0.00	0.00	C							
1303-000C5	3.5 Cyclic, Simulated Combine Test(Joint Sample)	148*	15OCT10A	20MAY11	15DEC10	0	126	-106	60	0.00	0.00	C							
1303-000C6	3.6 Contact Pressure Distribtn/Therml Joint Tst	148*	15OCT10A	20MAY11	15DEC10	0	126	-106	50	0.00	0.00	C							
1303-000C7	Bellville Washer Test	63*	04JAN11A	31MAR11A				0	100	0.00	0.00	C							
1303-000C8	T-Slot Tiles	43*	01FEB11A	30MAR11A				0	100	0.00	0.00	C							

**FSW Trials CSU R&D Plan**

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

1303-000E	5.1 Tap-Lok Insert Pullout Strength-Static/Fatig	114*	13OCT10A	30MAR11A	05JAN11			-60	100	0.00	0.00	C							
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**Insulation Bond Test CSU R&D Plan**

1303-000F	X-6.1 Verif Shear Bond Strength Copper/Epoxy/Ins	1	31JAN11A	31JAN11A	29OCT10			-58	100	0.00	0.00	C							
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**Testing**

1303-001	Test Engineering Design and Analysis	267*	01MAY10A	25MAY11	25APR11	0	142	-22	91	48,409.74	53,002.13	C							
1303-002	Materials Testing	267*	01MAY10A	25MAY11	25APR11	0	142	-22	90	6,902.44	7,645.36	C							
1303-003	Component Testing	267*	01MAY10A	25MAY11	25APR11	0	142	-22	90	9,860.11	10,925.26	C							
1303-004	Assembly Testing	182*	01SEP10A	25MAY11	25APR11	0	142	-22	90	17,149.53	19,030.81	C							
1303-005	Model Fabrication	245*	01MAY10A	31AUG10A	31AUG10A			0	100	0.00	0.00	C							
1303-011	Testing Design Support and M&S	160*	01OCT10A	30MAR11A	25APR11			18	100	212,541.38	212,541.38	C							
FY101303	FY10 Actual Cost	85	01JAN10A	30APR10A	30APR10A			0	100	28,278.00	28,278.00	C							
FY101303A	FY10 Actual Cost	110	03MAY10A	30SEP10A	30SEP10A			0	100	21,454.00	21,454.00	C							

em/em= 350  
em/st=80  
ee/tb=40  
em/st=80  
ee/tb=40  
em/st=160  
EM//EM = 578 hrs; EA//DM=160hrs; M&S = \$80,000  
81=19,454

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	Fiscal Year						
													FY11	FY12	FY13	FY14	FY15		
<b>Job: 1304 - Inner TF Bundle (Ds/Fab)-CHRZANOWSKI</b>																			
<b>Inner TF Bundle Design</b>																			
1304-0050	Perform Add'l Friction Stir Weld Trials-Phase II	75	01SEP10A	01OCT10A	01OCT10A				0	100	0.00	0.00	C	41=49,000 ;					
1304-0060	Fabricate Flex Bus Assy's for Testing (2)	42*	01SEP10A	29OCT10A	29OCT10				0	100	17,500.00	17,500.00	C	EM//ST =120 ; 41=5,000 ;					
1304-0065	New Insulation Shear R&D Test	43*	16SEP10A	15NOV10A	15NOV10				0	100	27,269.77	27,269.77	C	41=22,000 ;					
1304-0065B	Second Insulation Shear R&D Test (60k cycle tests)	60*	24NOV10A	25FEB11A	25FEB11				0	100	22,680.00	22,680.00	C	41=18,000 ;					
1304-0065C	Third Insulation Shear R&D Test (60k cycle tests)	36*	21FEB11A	11APR11A					0	100	0.00	0.00	C	41=0 ;					
1304-0110	Design-Analyze Tension Strap	15	24JUN10A	15JUL10A	15JUL10A				0	100	0.00	0.00	C						
1304-0130	Complete Analysis if TF Flex Bus	24	26JUL10A	26AUG10A	26AUG10A				0	100	0.00	0.00	C						
1304-0140	Complete & Check Thermal Stresses	15	16JUL10A	05AUG10A	05AUG10A				0	100	0.00	0.00	C						
1304-0150	Maintain input to Willards Flex Model (LOE)	191*	24JUN10A	31JAN11A	03JAN11			-20	100	7,312.04	7,250.29	C	EA/EM =40 ;						
1304-0160	Check Willards/Tooling/Fixturing Calculations	40	03OCT11*	29NOV11	25FEB11	14	-5	-192	0	0.00	23,121.60	C	EA/EM =60 ;						
1304-0170	N/R Tooling/Fixturing Calculations	45	31AUG10A	31AUG10A	31AUG10A				0	100	0.00	0.00	C						
1304-0180	N/R Calculation/Write/Check Files	80	31AUG10A	31AUG10A	31AUG10A				0	100	0.00	0.00	C						
1304-0190	Analyze Pins & Crown	212*	24JUN10A	29APR11A	15OCT10			-132	100	37,156.65	34,880.73	C	EA/EM =200 ;						
1304-0210	Pedestal/Lower Skirt/TF Teeth Analysis	186*	02AUG10A	29APR11A	05JAN11			-82	100	37,556.25	36,783.75	C	EA/EM =200 ;						
1304-0220	Finish Torque for Upper Teeth & Covers Post Proc	182*	02AUG10A	25APR11A	02FEB11			-58	100	7,506.94	7,413.27	C	EA/EM =40 ;						
1304-0230	DCPS Input	218*	24JUN10A	29APR11A	16FEB11			-52	100	18,578.33	18,354.18	C	EA/EM =100 ;						
1304-0250	Complete Detail and Assembly CAD Drawings	228*	24JUN10A	29APR11A	29APR11			0	100	68,147.01	68,147.01	C	EA/SB =560 ;						
1304-0255	Inner TF Bundle - Peer review	0		18MAY11*		0	128	0	0	0.00	0.00	B							
1304-0260	Prepare for FDR	19*	23MAY11	17JUN11	20MAY11	0	126	-19	0	0.00	4,996.40	C	EA/SB =40 ;						
<b>Manufacture Inner TF Conductor</b>																			
1304-0460	Generate SOW for TF Conductor	20*	01OCT10A	28OCT10A	28OCT10				0	100	0.00	0.00	C						
1304-0480	Prep Req for TF Conductor & Submit to Proc	25*	01OCT10A	29OCT10A	04NOV10				4	100	0.00	0.00	C						
1304-0500	Bid & Award TF Conductor-Copper Extrusions	30*	01DEC10A	19JAN11A	20DEC10			-16	100	0.00	0.00	C							
1304-0600	Manufacture TF Conductor-Copper Extrusions (56)	93*	20JAN11A	31MAY11	03MAY11	0	15	-19	99	301,870.80	304,920.00	C	41=242,000 ;						
1304-0730	Prep Req to Mach Conductors & Submit to Proc	5	16MAR11A	22MAR11A	22MAR11				0	100	0.00	0.00	C						
1304-0740	Bid & Award Contract to Machine Conductors	43*	31MAR11A	31MAY11	03MAY11	0	-19	-19	50	0.00	0.00	C							
1304-0750	Machine TF Conductors (Cling Grooves, Lead Areas)	65	01JUN11	31AUG11	04AUG11	0	15	-19	0	0.00	321,300.00	C	41=250,000 ; 35=5,000 ;						
1304-0750A	Deliver 1st 25 Machined Conductors	1	28JUL11	28JUL11	30JUN11	59	40	-19	0	0.00	0.00	C							
1304-0750B	Deliver 2nd 20 Machined Conductors	1	01SEP11	01SEP11	05AUG11	34	15	-19	0	0.00	0.00	C							
1304-0770	Prep Req for Cu-Cr-Zr TF Lead Extensions	10	16MAR11A	22MAR11A	30MAR11				6	100	0.00	0.00	C						
1304-0780	Bid & Award TF Lead Extensions	43*	31MAR11A	31MAY11	11MAY11	0	-19	-13	50	0.00	0.00	C							
1304-0790	Fab & Del TF Lead Extensions	100	01JUN11	20OCT11	03OCT11	0	-19	-13	0	0.00	63,015.00	C	41=50,000 ;						
1304-0830	Prep Req for Friction Stir Welding	5	16MAR11A	22MAR11A	19AUG11				106	100	0.00	0.00	C						
1304-0840	Bid & Award Friction Stir Welding	43*	31MAR11A	31MAY11	03OCT11	0	81	87	50	0.00	0.00	C							
1304-0850	Friction Stir-Weld Coil Leads to Conductors	60	21OCT11	24JAN12	05JAN12	0	-19	-13	0	0.00	328,950.00	C	41=250,000 ; 35=5,000 ;						
1304-0850A	Deliver 1st 20 FSW Conductors	1	20DEC11	20DEC11	01DEC11	20	1	-13	0	0.00	0.00	C							
1304-0850B	Deliver 2nd 25 FSW conductors	1	25JAN12	25JAN12	06JAN12	0	-19	-13	0	0.00	0.00	C							
1304-0930	Prep Req for Final Conductor Machining	5	16MAR11A	22MAR11A	15NOV11				167	100	0.00	0.00	C						
1304-0940	Bid & Award Final Conductor Machining	43*	31MAR11A	31MAY11	06JAN12	0	142	148	50	0.00	0.00	C							

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY									
													FY11	FY12	FY13	FY14	FY15					
1304-0950	Machine TF Conductors (Fnl Lead Areas & Inserts)	40	26JAN12	21MAR12	02MAR12	0	-19	-13	0	0.00	131,580.00	C										
1304-0950A	Receive 1st Delivery of Final Machined TF Cond	1	08MAR12	08MAR12	20FEB12	10	-9	-13	0	0.00	0.00	C										
1304-0950B	Receive Balance of Final Machined TF Cond	1	22MAR12	22MAR12	05MAR12	0	-19	-13	0	0.00	0.00	C										
<b>Other Inner TF Bundle Hardware</b>																						
1304-1110	Prep Req for C151 (Cu-Zr) for Flex Bus	10	02JAN13*	15JAN13	15JAN13	0	195	0	0	0.00	0.00	C										
1304-1112	Bid/Award- C151 for Flex Bus	30	16JAN13	26FEB13	26FEB13	0	195	0	0	0.00	0.00	C										
1304-1114	Fab & Deliver C151 for Flex Bus	40	27FEB13	23APR13	23APR13	110	195	0	0	0.00	39,600.00	C										
1304-1114A	Prep Req for Flex Bus Solder Bimetal Wafers	10	02JAN13*	15JAN13	15JAN13	0	195	0	0	0.00	0.00	C										
1304-1114B	Bid/Award- for Flex Bus Solder Bimetal Wafers	30	16JAN13	26FEB13	26FEB13	0	195	0	0	0.00	0.00	C										
1304-1114C	Fab & Delive- for Flex Bus Solder Bimetal Wafers	40	27FEB13	23APR13	23APR13	110	195	0	0	0.00	39,600.00	C										
1304-1120	Prep Req for Flex Bus Fabrication	10	05AUG13*	16AUG13	16AUG13	0	85	0	0	0.00	0.00	C										
1304-1122	Bid/Award Flex Bus Fabrication	30	19AUG13	30SEP13	30SEP13	0	85	0	0	0.00	0.00	C										
1304-1124	Fab & Deliver Flex Bus	60	01OCT13	06JAN14	06JAN14	79	85	0	0	0.00	153,930.00	C										
1304-1130	Prep Req for Cu-Cr-Zr (C1815) for OTF Lead Ext	10	01OCT12*	12OCT12	12OCT12	0	138	0	0	0.00	0.00	C										
1304-1132	Bid/Award Cu-Cr-Zr for OTF Lead Ext	30	15OCT12	27NOV12	27NOV12	0	138	0	0	0.00	0.00	C										
1304-1134	Fab & Del Cu-Cr-Zr for OTF Lead Ext	60	28NOV12	28FEB13	28FEB13	157	138	0	0	0.00	107,197.92	C										
1304-1140	Prep Req for OTF Lead Ext (OTF to Flex)	10	04SEP12*	17SEP12	17SEP12	0	137	0	0	0.00	0.00	C										
1304-1142	Bid/Award OTF Lead Ext (OTF to Flex)	30	18SEP12	29OCT12	29OCT12	0	137	0	0	0.00	0.00	C										
1304-1144	Fab & Del OTF Lead Ext (OTF to Flex)	80	30OCT12	01MAR13	01MAR13	156	137	0	0	0.00	66,000.00	C										
1304-1150	Prep Req Prep Req for Supports for OTF Jumpers	10	01OCT12*	12OCT12	12OCT12	0	138	0	0	0.00	0.00	C										
1304-1152	Bid/Award Supports for OTF Jumpers	30	15OCT12	27NOV12	27NOV12	0	138	0	0	0.00	0.00	C										
1304-1154	Fab/Deliver Supports for OTF Jumpers	60	28NOV12	28FEB13	28FEB13	157	138	0	0	0.00	66,000.00	C										
1304-1160	Prep Req Lower TF Coil to Bus Jump & Supp	10	03DEC12*	14DEC12	14DEC12	0	115	0	0	0.00	0.00	C										
1304-1162	Bid/Award Lower TF Coil to Bus Jump & Supp	30	17DEC12	05FEB13	05FEB13	0	115	0	0	0.00	0.00	C										
1304-1164	Fab & Deliver Lower TF Coil to Bus Jump & Supp	40	06FEB13	02APR13	02APR13	134	115	0	0	0.00	31,680.00	C										
1304-1170	Prep Spec for Super Bolts	10	03SEP13*	16SEP13	16SEP13	0	25	0	0	0.00	0.00	C										
1304-1172	Bid/Award Super Bolts	30	17SEP13	28OCT13	28OCT13	0	25	0	0	0.00	0.00	C										
1304-1174	Fab & Deliver Super Nuts	100	29OCT13	31MAR14	31MAR14	19	25	0	0	0.00	205,414.88	C										
1304-1180	Prep Req Joint Hardware	10	02NOV12*	15NOV12	15NOV12	0	144	0	0	0.00	0.00	C										
1304-1182	Bid/Award Joint Hardware	30	16NOV12	09JAN13	09JAN13	0	144	0	0	0.00	0.00	C										
1304-1184	Fab & Deliver Joint Hardware	30	10JAN13	20FEB13	20FEB13	163	144	0	0	0.00	34,412.64	C										
1304-1190	Prep Spec Copper for Lead Ext for Upper ITF	10	02OCT12*	15OCT12	15OCT12	0	137	0	0	0.00	0.00	C										
1304-1192	Bid/Award - Copper Lead Ext for Upper ITF	30	16OCT12	28NOV12	28NOV12	0	137	0	0	0.00	0.00	C										
1304-1194	Fab & Deliver Copper Lead Ext for Upper ITF	60	29NOV12	01MAR13	01MAR13	156	137	0	0	0.00	35,825.28	C										
1304-1210	Prep Req for Up/Lwr OF to TF Supp Struct	10	02OCT12*	15OCT12	15OCT12	0	137	0	0	0.00	0.00	C										
1304-1212	Bid/Award Up/Lwr OH to TF Supp Struct	30	16OCT12	28NOV12	28NOV12	0	137	0	0	0.00	0.00	C										
1304-1214	Fab & Del Up/Lwr OH to TF Supp Struct	60	29NOV12	01MAR13	01MAR13	156	137	0	0	0.00	39,600.00	C										
1304-1220	Pre Req for Cooling Fittings	10	02OCT12*	15OCT12	15OCT12	0	177	0	0	0.00	0.00	C										
1304-1222	Bid/Award Cooling Fittings	30	16OCT12	28NOV12	28NOV12	0	177	0	0	0.00	0.00	C										
1304-1224	Fab & Deliver Cooling Fittings	20	29NOV12	04JAN13	04JAN13	196	177	0	0	0.00	8,012.64	C										
1304-1230	Prep Req for Tooling for Inst Flex Bus Segments	10	02OCT12*	15OCT12	15OCT12	0	147	0	0	0.00	0.00	C										

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY				
													FY11	FY12	FY13	FY14	FY15
1304-1232	Bid/Award-Tooling for Inst Flex Bus segments	30	16OCT12	28NOV12	28NOV12	0	147	0	0	0.00	0.00	C					
1304-1234	Fab/Del Tooling for Inst Flex Bus Segments	50	29NOV12	15FEB13	15FEB13	166	147	0	0	0.00	44,188.80	C					
1304-1240	Prep req for Up/Lwr Teeth Interf Struct	10	10SEP12*	21SEP12	21SEP12	0	153	0	0	0.00	0.00	C					
1304-1242	Bid/Award Up/Lwr Teeth Interf Struct	30	24SEP12	02NOV12	02NOV12	0	153	0	0	0.00	0.00	C					
1304-1244	Fab & Deliver Up/Lwr Teeth Interf Struct	60	05NOV12	07FEB13	07FEB13	172	153	0	0	0.00	66,000.00	C					
FY101304 FY10 Actual Cost																	
FY101304A FY10 Actual Cost																	
													81=134534				
<b>Job: 1305 - OHMIC Heating Coil (OH)-CHRZANOWSKI</b>																	
<b>Design</b>																	
1305-0100	Finalize Calcs on OH Flow Optimization	25	24JUN10A	29JUL10A	29JUL10A			0	100	0.00	0.00	C					
1305-0110	Check Flow Rates on Cavitation Issues	10	01SEP10A	15SEP10A	15SEP10A			0	100	0.00	0.00	C					
1305-0120	Analyze Coax Lead Box	193*	30JUL10A	09MAY11	15DEC10	0	488	-97	60	11,270.95	18,296.79	C					
1305-0140	Fatigue Assessment	111*	02AUG10A	14JAN11A	14JAN11			0	100	3,689.43	3,689.43	C					
1305-0180	Calculation write/check & file	150*	04OCT10A	11MAY11	31MAR11	0	488	-29	75	14,451.00	19,268.00	C					
1305-0510	Complete Detail & Assembly CAD Drawings	161*	01OCT10A	25MAY11	26APR11	0	139	-21	99	86,562.63	87,437.00	C					
1305-0515	OHMIC Heating Coil - Peer review	0		18MAY11*		0	126	0	0	0.00	0.00	B					
1305-0900	Prepare for FDR	21*	19MAY11	17JUN11	10MAY11	0	126	-27	0	0.00	4,996.40	C					
1305-0910	R&D for Tooling & For "Aquapour"	175*	01JUN10A	14FEB11A	22NOV10			-52	100	53,214.58	52,187.32	C					
1305-0915	N/R Additional R&D For "Aquapour"	20*	31AUG10A	31AUG10A	31AUG10A			0	100	0.00	0.00	C					
1305-1410	Design TF Quadrant Mold (2)	97*	14JAN11A	31MAY11	25MAR11	0	135	-46	85	12,740.82	14,989.20	C					
1305-1430	Design TF Full Mold (3)	30	01JUN11	13JUL11	06MAY11	156	303	-46	0	0.00	19,985.60	C					
1305-1450	Design OH Mold (7)	30	06JUL11	16AUG11	16AUG11	0	247	0	0	0.00	19,985.60	C					
1305-1470	Design OH Winding Clamps (8)	25	20JUL11	23AUG11	30AUG11	0	247	5	0	0.00	9,992.80	C					
1305-1490	Design Lifting Beam -conductors & coils (4)	85*	10JAN11A	06MAY11	06MAY11	0	135	0	80	7,994.24	9,992.80	C					
1305-1510	Design Ground Wrap Station (6)	20	07JUN11	05JUL11	05JUL11	0	247	0	0	0.00	4,996.40	C					
1305-1530	Design Tension Unit 99)	20	10AUG11	07SEP11	07SEP11	0	247	0	0	0.00	9,992.80	C					
1305-1550	Design Mold for OH-TF Castable Material (10)	20	24AUG11	21SEP11	05OCT11	0	247	10	0	0.00	7,567.02	C					
1305-1570	Design Braze Station (12)	20	08SEP11	05OCT11	02NOV11	162	247	20	0	0.00	10,958.40	C					
1305-1580	Design Sandblast Station (5)	20	09MAY11	06JUN11	06JUN11	0	135	0	0	0.00	9,992.80	C					
1305-1610	Dsgn OH/TF Facility Area Layout incl CleanRoom-1	193*	03JAN11A	03OCT11	16FEB11	0	135	-160	40	11,997.36	29,978.40	C					
1305-1620	Electrical Layout to Support Winding Area (11)	40	02MAY11*	27JUN11	27MAY11	1	104	-20	0	0.00	37,771.20	C					
1305-1630	Generate Manufacturing Procedures & Travelers	20	26SEP11*	21OCT11	28OCT11	248	229	5	0	0.00	0.00	C					
<b>Tooling &amp; Equipment setup</b>																	
1305-4010	Remove NCSX Tooling & Spare Parts from NCSX TC	121*	10JAN11A	28JUN11	28JUN11	0	103	0	10	1,984.20	19,842.00	C					
1305-4030	Setup Winding Area	40	29JUN11	24AUG11	24AUG11	26	103	0	0	0.00	59,526.00	C					
1305-4050	Setup Winding Equipment	40	03OCT11*	29NOV11	29NOV11	96	77	0	0	0.00	52,219.20	C					
<b>TF/OH Material Procurements</b>																	
1304-3350	Spec-TF conductor stands- tube soldering	10	01SEP11*	15SEP11	15SEP11	0	58	0	0	0.00	0.00	C					



Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY				
													FY11	FY12	FY13	FY14	FY15
1304-3352	Bid/Award TF Conductor Stands for Soldering	30	16SEP11	27OCT11	27OCT11	0	58	0	0	0.00	0.00	C					
1304-3354	Fab & Del TF Conductor Stands for Soldering	40	28OCT11	03JAN12	03JAN12	77	58	0	0	0.00	23,856.40	C					
1304-3450	Spec-TF conductor stands- for insulating	20	01SEP11*	29SEP11	29SEP11	0	155	0	0	0.00	0.00	C					
1304-3452	Bid/Award TF Conductor Stand for Insulating	30	30SEP11	10NOV11	10NOV11	0	155	0	0	0.00	0.00	C					
1304-3454	Fab & Del TF Conductor Stands for Insulating	60	11NOV11	14FEB12	14FEB12	174	155	0	0	0.00	25,800.00	C					
1304-3550	Spec TF Quadrant mold	20	01SEP11*	29SEP11	29SEP11	0	160	0	0	0.00	0.00	C					
1304-3552	Bid/Award-TF Quadrant Mold	30	30SEP11	10NOV11	10NOV11	0	160	0	0	0.00	0.00	C					
1304-3554	Fab & Deliver TF Quadrant Mold	60	11NOV11	14FEB12	14FEB12	0	160	0	0	0.00	107,706.40	C					
1304-3600	Spec - TF Full coil mold	20	01MAR12*	28MAR12	28MAR12	0	147	0	0	0.00	0.00	C					
1304-3602	Bid/Award TF Full Coil Mold	30	29MAR12	09MAY12	09MAY12	0	147	0	0	0.00	0.00	C					
1304-3604	Fab & Deliver Full TF Coil Mold	60	10MAY12	03AUG12	03AUG12	166	147	0	0	0.00	127,056.40	C					
1304-3700	Spec - VPI delivery system	20	01SEP11*	29SEP11	29SEP11	0	170	0	0	0.00	0.00	C					
1304-3702	Bid/Award VPI Delivery System	30	30SEP11	10NOV11	10NOV11	0	170	0	0	0.00	0.00	C					
1304-3704	Fab & Deliver VPI Delivery System	60	11NOV11	14FEB12	14FEB12	189	170	0	0	0.00	43,206.40	C					
1304-3800	Spec - Lift beam- conductor	20	01SEP11*	29SEP11	29SEP11	0	203	0	0	0.00	0.00	C					
1304-3802	Bid/Award Lift Beam Conductor	30	30SEP11	10NOV11	10NOV11	0	203	0	0	0.00	0.00	C					
1304-3804	Fab & Deliver Lift Beam for Conductor	40	11NOV11	17JAN12	17JAN12	222	203	0	0	0.00	28,053.20	C					
1304-3900	Spec - Lift Beam for coil	20	01SEP11*	29SEP11	21OCT11	0	175	16	0	0.00	0.00	C					
1304-3902	Bid/Award - Lift Beam for Coil	30	30SEP11	10NOV11	06DEC11	0	175	16	0	0.00	0.00	C					
1304-3904	Fab & deliver Lift Beam for Coil	40	11NOV11	17JAN12	08FEB12	194	175	16	0	0.00	40,953.20	C					
1305-1900	Spec- Taping machines [2]	20	02JUL12*	30JUL12	30JUL12	0	84	0	0	0.00	0.00	C					
1305-1902	Bid/Award - Taping Machines	30	31JUL12	11SEP12	11SEP12	13	84	0	0	0.00	0.00	C					
1305-1904	Fab & Deliver Taping Machines	60	01OCT12*	03JAN13	03JAN13	90	71	0	0	0.00	33,000.00	C					
1305-2000	Spec- Tension unit	20	02JUL12*	30JUL12	30JUL12	0	84	0	0	0.00	0.00	C					
1305-2002	Bid/Award Tension Unit	30	31JUL12	11SEP12	11SEP12	13	84	0	0	0.00	0.00	C					
1305-2004	Fab & Deliver Tension Unit	60	01OCT12*	03JAN13	03JAN13	90	71	0	0	0.00	35,416.00	C					
1305-2100	Spec-Braze unit	20	01JUN12*	28JUN12	28JUN12	0	85	0	0	0.00	0.00	C					
1305-2102	Bid/Award Braze Station	30	29JUN12	10AUG12	10AUG12	0	85	0	0	0.00	0.00	C					
1305-2104	Fab & Deliver Braze Station	80	13AUG12	05DEC12	05DEC12	104	85	0	0	0.00	130,725.00	C					
1305-2200	Spec-Braze fixture and work coil	20	02JUL12*	30JUL12	30JUL12	0	84	0	0	0.00	0.00	C					
1305-2210	Bid/Award Braze Fixture for Work Coil	30	31JUL12	11SEP12	11SEP12	13	84	0	0	0.00	0.00	C					
1305-2220	Fab & Deliver Braze Fixture for Work Coil	60	01OCT12*	03JAN13	03JAN13	90	71	0	0	0.00	26,529.60	C					
1305-2300	Spec Winding machine for OH	20	03JAN12*	30JAN12	30JAN12	0	162	0	0	0.00	0.00	C					
1305-2310	Bid/Award Winding Machine for OH	60	31JAN12	23APR12	23APR12	0	162	0	0	0.00	0.00	C					
1305-2320	Fab & Deliver Winding Machine for OH	80	24APR12	15AUG12	15AUG12	181	162	0	0	0.00	161,250.00	C					
1305-2400	Spec - Mold for OH-TF spacer [Aquapour]	20	01SEP11*	29SEP11	21OCT11	0	291	16	0	0.00	0.00	C					
1305-2410	Bid/Award Mold for OH-TF Spacer	30	30SEP11	10NOV11	06DEC11	0	291	16	0	0.00	0.00	C					
1305-2420	Fab & Deliver Mold for OH-TF Spacer	60	11NOV11	14FEB12	07MAR12	310	291	16	0	0.00	12,900.00	C					
1305-2500	Spec - OH winding clamps- 4-sets	20	01SEP11*	29SEP11	21OCT11	0	291	16	0	0.00	0.00	C					
1305-2510	Bid/Award OH Winding Clamps - 4 sets	30	30SEP11	10NOV11	06DEC11	0	291	16	0	0.00	0.00	C					

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY								
													FY11	FY12	FY13	FY14	FY15				
1305-2520	Fab & Deliver OH Winding Clamps 4 sets	60	11NOV11	14FEB12	07MAR12	310	291	16	0	0.00	25,800.00	C									
1305-2600	Spec - OH Mold	20	01JUN12*	28JUN12	29MAY12	0	85	-22	0	0.00	0.00	C									
1305-2610	Bid/Award OH Mold	30	29JUN12	10AUG12	11JUL12	0	85	-22	0	0.00	0.00	C									
1305-2620	Fab & Deliver OH Mold	80	13AUG12*	05DEC12	01NOV12	104	85	-22	0	0.00	127,931.32	C									
1305-2650	Spec SandBlast Unit	20	01SEP11*	29SEP11	21OCT11	0	100	16	0	0.00	0.00	C									
1305-2652	Bid/Award Sanblast Unit	30	30SEP11	10NOV11	06DEC11	0	100	16	0	0.00	0.00	C									
1305-2654	Fab & Deliver Sandblast Unit	80	11NOV11	13MAR12	04APR12	119	100	16	0	0.00	32,404.80	C									
1305-2700	Miscellaneous tools & fixtures	20	01SEP11*	29SEP11	21OCT11	0	271	16	0	0.00	0.00	C									
1305-2702	Bid/Award Misc Tools & Fixtures	30	30SEP11	10NOV11	06DEC11	0	271	16	0	0.00	0.00	C									
1305-2704	Fab & deliver Misc Tools & Fixtures	80	11NOV11	13MAR12	04APR12	290	271	16	0	0.00	60,612.80	C									
1305-2800	Spec - "Aquapour"- castable material	20	01SEP11*	29SEP11	21OCT11	0	291	16	0	0.00	0.00	C									
1305-2802	Bid/Award Aquapour	30	30SEP11	10NOV11	06DEC11	0	291	16	0	0.00	0.00	C									
1305-2820	Fab & Deliver Aquapour	60	11NOV11	14FEB12	07MAR12	310	291	16	0	0.00	12,900.00	C									
1305-2900	Spec-Insulation [fiberg tape, teflon and gnd p	20	01SEP11*	29SEP11	21OCT11	0	155	16	0	0.00	0.00	C									
1305-2902	Bid/Award - Insulation	30	30SEP11	10NOV11	06DEC11	0	155	16	0	0.00	0.00	C									
1305-2904	Fab & Deliver Insulation	60	11NOV11	14FEB12	07MAR12	174	155	16	0	0.00	25,800.00	C									
1305-3000	Epoxy- CTD-101	20	01SEP11*	29SEP11	21OCT11	0	155	16	0	0.00	0.00	C									
1305-3002	Bid/Award Epoxy-CTD-101	30	30SEP11	10NOV11	06DEC11	0	155	16	0	0.00	0.00	C									
1305-3004	Fab & Deliver Epoxy-CTD-101	60	11NOV11	14FEB12	07MAR12	174	155	16	0	0.00	19,350.00	C									
1305-3100	Spec-Copper pre-tinned tubing [TF conductor]	20	01SEP11*	29SEP11	21OCT11	0	58	16	0	0.00	0.00	C									
1305-3102	Bid/Award Copper pre-tinned tubing	30	30SEP11	10NOV11	06DEC11	0	58	16	0	0.00	0.00	C									
1305-3104	Fab & Deliver pre-tinned tubing	30	11NOV11	03JAN12	25JAN12	77	58	16	0	0.00	6,450.00	C									
1305-3200	G-10 Filler modifications	40	03OCT11*	29NOV11	29NOV11	223	204	0	0	0.00	17,608.50	C									
1305-3300	Req/Order - Conductor primer	20	08SEP11*	05OCT11	21OCT11	0	206	12	0	0.00	0.00	C									
1305-3310	Fab & Deliver Conductor Primer	40	06OCT11	02DEC11	20DEC11	225	206	12	0	0.00	2,580.00	C									
1305-3400	Req/Order-Safety and PPE equipment and supplies	20	01SEP11*	29SEP11	21OCT11	0	58	16	0	0.00	0.00	C									
1305-3410	Fab & Deliver Safety & PPE	40	30SEP11	28NOV11	20DEC11	77	58	16	0	0.00	6,450.00	C									
1305-3500	Req/Order Miscellaneous supplies	30	01SEP11*	13OCT11	04NOV11	0	175	16	0	0.00	0.00	C									
1305-3510	Fab & Deliver Misc Supplies	60	14OCT11	17JAN12	08FEB12	194	175	16	0	0.00	25,800.00	C									
1305-3600	Req/OrderRTV and silicone caulk for mold sealing	20	01SEP11*	29SEP11	21OCT11	0	225	16	0	0.00	0.00	C									
1305-3610	Fab & Deliver RTV & Silcone for Mold Sealing	20	30SEP11	27OCT11	18NOV11	244	225	16	0	0.00	6,450.00	C									
1305-3700	Specify-valves & fittings (VPI Disposables)	20	01SEP11*	29SEP11	21OCT11	0	175	16	0	0.00	0.00	C									
1305-3710	Bid/Awad-Valves & Fittings (VPI)	30	30SEP11	10NOV11	06DEC11	0	175	16	0	0.00	0.00	C									
1305-3720	Fab & Deliver Valves-Fittings (VPI)	40	11NOV11	17JAN12	08FEB12	194	175	16	0	0.00	12,900.00	C									
1305-3800	spec-High &Low Temp Vac Tubing (VPI)	20	03OCT11*	28OCT11	28OCT11	0	154	0	0	0.00	0.00	C									
1305-3810	Bid/Award High & Low Temp Vac Tubing (VPI)	30	31OCT11	13DEC11	13DEC11	0	154	0	0	0.00	0.00	C									
1305-3820	Fab & deliver High & Low Temp Vac Tube (VP)	40	14DEC11	15FEB12	15FEB12	173	154	0	0	0.00	12,900.00	C									
1305-3900	Fabricate - VPI manifolds	40	03OCT11*	29NOV11	29NOV11	223	204	0	0	0.00	28,208.00	C									
<b>OH Conductor &amp; Other Hardware</b>																					
1305-0920	Generate SOW for OH Conductor	20	16JUL12*	10AUG12	10AUG12	0	60	0	0	0.00	0.00	C									

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY				
													FY11	FY12	FY13	FY14	FY15
1305-0930	Prep Requisition & Submit to Procurement	5	13AUG12	17AUG12	17AUG12	0	60	0	0	0.00	0.00	C					
1305-0940	Bid & Award OH Conductor Fabrication	30	20AUG12	01OCT12	01OCT12	0	60	0	0	0.00	0.00	C					
1305-0950	Manufacture OH Copper Conductor	70	02OCT12	18JAN13	18JAN13	0	60	0	0	0.00	139,392.00	C					
1305-0960	Generate Requisition for Kapton/Glass Insulation	5	13AUG12*	17AUG12	17AUG12	0	80	0	0	0.00	1,380.64	C					
1305-0980	Bid & Award Kapton/Glass Insulation	30	20AUG12	01OCT12	01OCT12	0	80	0	0	0.00	0.00	C					
1305-1000	Fab & Deliver Kapton/Glass Insulation	50	02OCT12	12DEC12	12DEC12	99	80	0	0	0.00	34,412.64	C					
1305-1010	Prep Requisition for Belleville Washer Assembly	10	13AUG12*	24AUG12	24AUG12	0	75	0	0	0.00	0.00	C					
1305-1030	Bid & Award Belleville Washer Assembly	30	27AUG12	08OCT12	08OCT12	0	75	0	0	0.00	0.00	C					
1305-1050	Fab & Deliver Belleville Washer Assembly	50	09OCT12	19DEC12	19DEC12	94	75	0	0	0.00	46,200.00	C					
1305-1060	Prepare Requisition for G-10 Fillers	10	13AUG12*	24AUG12	24AUG12	0	65	0	0	0.00	0.00	C					
1305-1080	Bid & Award G-10 Fillers	30	27AUG12	08OCT12	08OCT12	0	65	0	0	0.00	0.00	C					
1305-1100	Fab & Deliver G-10 Filers	60	09OCT12	11JAN13	11JAN13	84	65	0	0	0.00	46,200.00	C					
1305-1110	Prep Requisition for Lead Blocks & Cooling Fitti	10	13AUG12*	24AUG12	24AUG12	0	45	0	0	0.00	0.00	C					
1305-1130	Bid & Award Lead Blocks & Cooling Fittings	30	27AUG12	08OCT12	08OCT12	0	45	0	0	0.00	0.00	C					
1305-1150	Fab & Deliver Lead Blocks & Cooling Fittings	80	09OCT12	08FEB13	08FEB13	64	45	0	0	0.00	39,600.00	C					
1305-1160	Prep Requisition for Misc Parts	10	20AUG12*	31AUG12	31AUG12	0	60	0	0	0.00	0.00	C					
1305-1180	Bid & Award Misc Parts	30	04SEP12	15OCT12	15OCT12	0	60	0	0	0.00	0.00	C					
1305-1200	Fab & Deliver Misc Parts	60	16OCT12	18JAN13	18JAN13	79	60	0	0	0.00	19,800.00	C					
1305-1210	Prep Requisition for OH Lwr Lead & Suppt Struct	10	20AUG12*	31AUG12	31AUG12	0	60	0	0	0.00	0.00	C					
1305-1230	Bid & Award OH Lwr Lead & Supt Struct	30	04SEP12	15OCT12	15OCT12	0	60	0	0	0.00	0.00	C					
1305-1250	Fab & deliver OH Lwr Lead & Suppt Struct	60	16OCT12	18JAN13	18JAN13	79	60	0	0	0.00	33,000.00	C					
<b>Inner TF Conductor Receipt/Inspection/Prep</b>																	
1304-1310	Inspect Machined TF Conductors	20	23MAR12	19APR12	02APR12	0	-19	-13	0	0.00	34,812.80	C					
1304-1330	Solder TF cooling tubes [40 conductors]	72	20APR12	01AUG12	13JUL12	0	-19	-13	0	0.00	125,326.08	C					
1304-1340	Cleanup TF conductors- post solder	60	06JUN12	29AUG12	10AUG12	0	-19	-13	0	0.00	69,625.60	C					
1304-1350	Sandblast TF conductor length for primer	40	30AUG12	25OCT12	08OCT12	0	-19	-13	0	0.00	69,845.44	C					
1304-1360	Apply primer [40 TF conductors]	5	26OCT12	01NOV12	15OCT12	0	-19	-13	0	0.00	8,886.40	C					
<b>Inner TF Quadrant 1</b>																	
1304-1510	Supervise TF/OH Coil Manufacturing	240	19OCT12	08OCT13	19SEP13	0	-18	-13	0	0.00	211,896.00	A					
1304-1520	Apply turn insulation Quadrant #1	5	19OCT12	25OCT12	08OCT12	0	-19	-13	0	0.00	17,772.80	C					
1304-1530	Assemble Quadrant #1	10	26OCT12	08NOV12	22OCT12	0	-19	-13	0	0.00	44,432.00	C					
1304-1540	Prepare VPI operation	3	09NOV12	13NOV12	25OCT12	0	-19	-13	0	0.00	10,663.68	C					
1304-1550	VPI- fill quadrant	2	14NOV12	15NOV12	29OCT12	0	-19	-13	0	0.00	7,109.12	C					
1304-1560	Cure VPI'd coil	8	16NOV12	29NOV12	08NOV12	0	-19	-13	0	0.00	7,109.12	C					
1304-1570	Remove Quadrant #1 from mold	1	30NOV12	30NOV12	09NOV12	0	-19	-13	0	0.00	3,554.56	C					
1304-1580	Cleanup quadrant	2	03DEC12	04DEC12	13NOV12	0	-19	-13	0	0.00	3,554.56	C					
1304-1590	Perform T/T electrical tests	1	05DEC12	05DEC12	14NOV12	0	-19	-13	0	0.00	1,777.28	C					
<b>Inner TF Quadrant 2</b>																	
1304-1620	Apply turn insulation Quadrant #2	5	06DEC12	12DEC12	21NOV12	0	-19	-13	0	0.00	17,772.80	C					
1304-1630	Assemble Quadrant #2	5	13DEC12	19DEC12	30NOV12	0	-19	-13	0	0.00	22,216.00	C					
1304-1640	Prepare VPI operation	3	20DEC12	02JAN13	05DEC12	0	-19	-13	0	0.00	10,663.68	C					



Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	Fiscal Year										
													FY11	FY12	FY13	FY14	FY15						
1305-6400	Braze layer to layer joint	1	26JUN13	26JUN13	07JUN13	0	-19	-13	0	0.00	1,777.28	C						EM//ST =16 ;					
1305-6500	Wind 1st half of layer #2	5	27JUN13	03JUL13	14JUN13	0	-19	-13	0	0.00	13,329.60	C						EM//ST =120 ;					
1305-6600	Make [2] in-line brazes	1	08JUL13	08JUL13	17JUN13	0	-19	-13	0	0.00	1,777.28	C						EM//ST =16 ;					
1305-6700	Wind second half of layer #2	5	09JUL13	15JUL13	24JUN13	0	-19	-13	0	0.00	13,329.60	C						EM//ST =120 ;					
1305-6800	Perform prelim electrical tests	1	16JUL13	16JUL13	25JUN13	0	-19	-13	0	0.00	1,777.28	C						EM//ST =16 ;					
1305-6900	Braze layer to layer joint	1	17JUL13	17JUL13	26JUN13	0	-19	-13	0	0.00	1,777.28	C						EM//ST =16 ;					
1305-7000	Wind 1st half of layer #3	5	18JUL13	24JUL13	03JUL13	0	-19	-13	0	0.00	13,329.60	C						EM//ST =120 ;					
1305-7100	Make [2] in-line brazes	1	25JUL13	25JUL13	08JUL13	0	-19	-13	0	0.00	1,777.28	C						EM//ST =16 ;					
1305-7200	Wind second half of layer #3	5	26JUL13	01AUG13	15JUL13	0	-19	-13	0	0.00	13,329.60	C						EM//ST =120 ;					
1305-7300	Perform prelim electrical tests	1	02AUG13	02AUG13	16JUL13	0	-19	-13	0	0.00	1,777.28	C						EM//ST =16 ;					
1305-7400	Braze layer to layer joint	2	05AUG13	06AUG13	18JUL13	0	-19	-13	0	0.00	1,777.28	C						EM//ST =16 ;					
1305-7500	Wind 1st half of layer #4	5	07AUG13	13AUG13	25JUL13	0	-19	-13	0	0.00	13,329.60	C						EM//ST =120 ;					
1305-7600	Make [2] in-line brazes	1	14AUG13	14AUG13	26JUL13	0	-19	-13	0	0.00	1,777.28	C						EM//ST =16 ;					
1305-7700	Wind second half of layer #4	5	15AUG13	21AUG13	02AUG13	0	-19	-13	0	0.00	13,329.60	C						EM//ST =120 ;					
1305-7800	Apply groundwrap insulation	1	22AUG13	22AUG13	05AUG13	0	-19	-13	0	0.00	1,777.28	C						EM//ST =16 ;					
1305-7900	Mount OH mold around coil	5	23AUG13	29AUG13	12AUG13	0	-19	-13	0	0.00	17,772.80	C						EM//ST =160 ;					
1305-8000	Prepare VPI operation	3	30AUG13	04SEP13	15AUG13	0	-19	-13	0	0.00	10,663.68	C						EM//ST =96 ;					
1305-8100	VPI- mold	2	05SEP13	06SEP13	19AUG13	0	-19	-13	0	0.00	7,109.12	C						EM//ST =64 ;					
1305-8200	Cure VPI'd coil	8	09SEP13	18SEP13	29AUG13	0	-19	-13	0	0.00	7,109.12	C						EM//ST =64 ;					
1305-8300	Remove mold from OH coil	1	19SEP13	19SEP13	30AUG13	0	-19	-13	0	0.00	3,554.56	C						EM//ST =32 ;					
1305-8400	Cleanup OH coil	2	20SEP13	23SEP13	04SEP13	0	-19	-13	0	0.00	3,554.56	C						EM//ST =32 ;					
1305-8500	Silverplate all electrical surfaces [OH/TF]	3	24SEP13	26SEP13	09SEP13	0	-19	-13	0	0.00	2,665.92	C						EM//ST =24 ;					
1305-8600	Perform Final OH electrical tests	1	27SEP13	27SEP13	10SEP13	0	-19	-13	0	0.00	1,777.28	C						EM//ST =16 ;					
1305-8700	Remove intermediate spacer between OH and TF bun	5	30SEP13	04OCT13	17SEP13	0	-19	-13	0	0.00	13,329.60	C						EM//ST =120 ;					
1305-8800	Perform hydrostat and flow tests- OH/TF coils	3	07OCT13	09OCT13	20SEP13	0	-19	-13	0	0.00	5,331.84	C						EM//ST =48 ;					
1305-8900	Transport to CS assembly station	1	10OCT13	10OCT13	23SEP13	0	-19	-13	0	0.00	4,443.20	C						EM//ST =40 ;					
<b>OH TIG Braze Test CSU R&amp;D Plan</b>																							
1303-000G	7.1 Layer t/LayerBraze Tst after Conductor Proc	1	19OCT12*	19OCT12	01OCT10	135	116	-513	0	0.00	0.00	C											
<b>OH Conductor Brazes CSU R&amp;D Plan</b>																							
1303-000H	8.1 Inline Braze Test after Conductor Procuremnt	1	19OCT12*	19OCT12	01OCT10	135	116	-513	0	0.00	0.00	C											
<b>OH-TF Spacer Test CSU R&amp;D Test</b>																							
1303-000I	9.1 Test MTRL/Process f/Manufactg to 0.1" Gap	1	19OCT12*	19OCT12	01OCT10	135	116	-513	0	0.00	0.00	C											
FY091310	FY09 Actual Cost	22*	23FEB09A	30SEP09A	30SEP09A				0	100	1,051,480.00	1,051,480.00	C										
FY091315	FY09 Actual Cost	22*	23FEB09A	30SEP09A	30SEP09A				0	100	4,085.00	4,085.00	C										
FY101305	FY10 Actual Cost	85	01JAN10A	30APR10A	30APR10A				0	100	168,034.00	168,034.00	C										
FY101305A	FY10 Actual Cost	110	03MAY10A	30SEP10A	30SEP10A				0	100	101,411.00	101,411.00	C	81=103	06								
<b>Job: 1306 - Inner PF Coils-CHRZANOWSKI</b>																							
1306-1010	Complete Inner PF Coil Analysis	155*	04OCT10A	18MAY11	12JAN11	0	132	-90	70	10,715.60	15,308.00	C						EA/EC =100 ;					
1306-1020	PF Lead & Flag Analysis	200*	30JUL10A	18MAY11	12JAN11	0	132	-90	85	7,954.51	9,718.49	C						EA/EC =60 ;					

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY					
													FY11	FY12	FY13	FY14	FY15	
1306-1030	Fatigue Assessment & DCPS	63*	21FEB11A	18MAY11	02FEB11	0	132	-75	50	4,592.40	9,184.80	C						
1306-1040	Calculation Write/Check/File	15	19MAY11	09JUN11	23FEB11	25	132	-75	0	0.00	9,184.80	C						
1306-1040A	Modeling for Inner PF	63*	03MAY10A	31AUG10A	31AUG10A			0	100	0.00	0.00	C						
1306-1050	Compl CAD Detail and Assembly Dwgs for Inner PF	136*	23AUG10A	11MAR11A	28FEB11			-9	100	51,115.51	51,055.48	C						
1306-1055	Inner PF Bundle - Peer review	0		18MAY11*		0	126	0	0	0.00	0.00	B						
1306-1060	Prepare for FDR	21*	19MAY11	17JUN11	14MAR11	0	126	-68	0	0.00	2,997.84	C						
1306-2010	Generate SOW for Inner PF Conductor	10	10OCT11*	21OCT11	21OCT11	0	156	0	0	0.00	0.00	C						
1306-2020	Prep Spec for Inner PF Conductor	5	24OCT11	28OCT11	28OCT11	0	156	0	0	0.00	0.00	C						
1306-2030	Bid/Award - Inner PF Conductor	30	31OCT11	13DEC11	13DEC11	0	156	0	0	0.00	0.00	C						
1306-2050	Fab & Deliver Inner PF Conductor	70	14DEC11	28MAR12	28MAR12	66	156	0	0	0.00	59,856.00	C						
1306-3010	Prep Req for Kapton/Glass Insulation	10	03OCT11*	14OCT11	14OCT11	0	186	0	0	0.00	0.00	C						
1306-3020	Bid/Award Kapton/Glass Insulation	30	17OCT11	29NOV11	29NOV11	0	186	0	0	0.00	1,380.64	C						
1306-3030	Fab & Deliver Kapton/Glass Insulation	50	30NOV11	15FEB12	15FEB12	96	186	0	0	0.00	28,906.44	C						
1306-4010	Prep SOW for SS Supp for PF1A/B Coils	20	03OCT11*	28OCT11	28OCT11	0	146	0	0	0.00	0.00	C						
1306-4020	Bid/Award SS Supp for PF1A/B	30	31OCT11	13DEC11	13DEC11	0	146	0	0	0.00	0.00	C						
1306-4030	Fab & Deliver SS Supp for PF1A/B	80	14DEC11	11APR12	11APR12	56	146	0	0	0.00	138,483.20	C						
1306-5010	Generate SOW & Spec for Inner PF Coil Fab	15	02APR12*	20APR12	20APR12	0	104	0	0	0.00	0.00	C						
1306-5020	Prep Req for Inner PF Fabrication	5	23APR12	27APR12	27APR12	0	104	0	0	0.00	0.00	C						
1306-5030	Bid/Award Inner PF Fabrication	30	30APR12	11JUN12	11JUN12	0	104	0	0	0.00	0.00	C						
1306-5050	Fab & Deliver Inner PF Coils	200	02JUL12*	22APR13	22APR13	0	90	0	0	0.00	264,841.80	C						
FY101306	FY10 Actual Cost	100	01DEC09A	30APR10A	30APR10A			0	100	57,253.00	57,253.00	C						
FY101306A	FY10 Actual Cost	110	03MAY10A	30SEP10A	30SEP10A			0	100	20,513.00	20,513.00	C						

81=4227

**Job: 1307 - CS Casing Assembly -CHRZANOWSKI**

1307-1010	Complete CAD Detail & Assy Drawings (Prelim)	104	03MAY10A	31AUG10A	31AUG10A			0	100	0.00	0.00	C						
1307-1010A	Complete CAD Detail & Assy Drawings (Final)	48*	31MAR11A	07JUN11	07APR11	0	126	-42	50	14,739.38	29,478.76	C						
1307-1020	Complete Bellow & Ceramic Break Analysis	223*	24JUN10A	16MAY11	31JAN11	0	141	-75	85	9,492.30	10,968.05	C						
1307-1030	Complete Halo Loading	208*	16JUL10A	16MAY11	31JAN11	0	141	-75	85	12,728.16	14,726.12	C						
1307-1040	Complete-Maintain Heat Balance Cooling Calcs	188*	13AUG10A	16MAY11	31JAN11	0	141	-75	85	12,841.65	14,904.34	C						
1307-1050	Integrate Thermal, Halo, Dsir Loads into Calcs	153*	04OCT10A	16MAY11	28FEB11	0	141	-55	82	12,639.81	15,414.40	C						
1307-1060	Fatigue Assessments	100*	20DEC10A	16MAY11	07MAR11	0	141	-50	82	3,159.95	3,853.60	C						
1307-1150	Prepare for FDR	8*	08JUN11	17JUN11	15APR11	0	126	-44	0	0.00	2,997.84	C						
1307-1155	CS Casing Assembly - Peer review	0		18MAY11*		0	147	0	0	0.00	0.00	B						
1307-2010	Prep CS Casing SOW & Requisition	20	03JAN12*	30JAN12	30JAN12	0	198	0	0	0.00	0.00	C						
1307-2020	Bid/Award CS Casing Contract	30	31JAN12	12MAR12	12MAR12	73	198	0	0	0.00	2,580.00	C						
1307-2030	Fabricate CS Casing	150	25JUN12*	04FEB13	04FEB13	0	125	0	0	0.00	307,031.33	C						
1307-2040	Spec/Requisition Inconel Bellows	20	03OCT11*	28OCT11	28OCT11	0	196	0	0	0.00	0.00	C						
1307-2050	Bid/Award Inconel Bellows	30	31OCT11	13DEC11	13DEC11	0	196	0	0	0.00	0.00	C						
1307-2060	Fab & Deliver Inconel Bellows	60	14DEC11	14MAR12	14MAR12	71	196	0	0	0.00	45,150.00	C						



Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY11					FY12					FY13					FY14					FY15				
1302-0080	Modify CS Assembly Fixture	20	12NOV12	11DEC12	11DEC12	32	157	0	0	0.00	45,302.40	C											EM//ST =160 ; EM//ST =120 ; 41=10,000 ; 37=1,000 ;														
1302-0090	Setup CS Assembly Area	30	01OCT12*	09NOV12	09NOV12	0	157	0	0	0.00	81,642.72	C											EM//SM =24 ; EM//ST =360 ; EM//ST =200 ; 41=10,000 ; 37=2,000 ;														
1302-0150	Receive OH/TF Assembly	1	11OCT13	11OCT13	24SEP13	0	-19	-13	0	0.00	0.00	C																									
1302-0160	Receive Inner PF Coils	1	23APR13*	23APR13	23APR13	0	90	0	0	0.00	0.00	C																									
1302-0170	Perf Accept Elect & Hydr test on PF Coils	5	24APR13	30APR13	30APR13	0	90	0	0	0.00	6,903.84	C											EM//SM =24 ; EM//ST =24 ;														
1302-0180	Wrap PF1A Coil with Microtherm	5	01MAY13	07MAY13	07MAY13	109	90	0	0	0.00	4,443.20	C											EM//ST =40 ;														
1302-0200	Receive CS Vacuum Casing	1	05FEB13	05FEB13	05FEB13	0	125	0	0	0.00	0.00	C																									
1302-0210	Install Inconel Weld Studs on Casing Wall	20	06FEB13	05MAR13	05MAR13	0	125	0	0	0.00	27,159.20	C											EM//ST =240 ; 37=500 ;														
1302-0220	Mount Upper & Lower PF1B Coils to CS Casing	10	06MAR13	19MAR13	19MAR13	144	125	0	0	0.00	15,995.52	C											EM//ST =144 ;														
1302-1500	Assemble CS (OH Diag, Microtherm, Casing PFCs)	120	14OCT13	11APR14	31MAR14	0	-19	-9	0	0.00	726,313.00	K											EM//SM =690 ; EM//ST =4,320 ; 41=70,000 ; 37=10,000 ;														
1302-1550	Deliver CS to NTC	1	14APR14	14APR14	01APR14	0	-19	-9	0	0.00	0.00	C																									
1302-1600	Tear Down Assembly Area	20	14APR14	09MAY14	28APR14	280	1,586	-9	0	0.00	54,901.92	C											EM//SM =24 ; EM//ST =360 ; EM//ST =80 ;														
1305-0200	Analysis of Mfg Tooling & CS Support Fixture	25	24OCT11*	29NOV11	29NOV11	209	366	0	0	0.00	0.00	C																									

**Job: 2300 - Other Analysis-TITUS**

2300-0010A	Analyses of RF MHD Shield Disruptive Loads	37*	25MAR11A	16MAY11		0	125	0	85	0.00	0.00	C											EA//EM =000 ;				
2300-0011	Run Other GRD disruptions for the HHFW	228*	01JUN10A	28APR11A	31AUG10A			-163	100	0.00	0.00	C											EA//EM =000 ;				
2300-0012	Updat HHFW Antenna	228*	01JUN10A	28APR11A	31AUG10A			-163	100	0.00	0.00	C											EA//EM =00 ;				
2300-0013	Maintain/Update Diagnostic Database	240*	01JUN10A	16MAY11	31AUG10A	0	125	-175	99	0.00	0.00	C											EA//EM =200 ;				
2300-0014	File Preliminary Database/Study	240*	01JUN10A	16MAY11	31AUG10A	0	146	-175	99	0.00	0.00	C											EA//EM =100 ;				
2300-0015	Check/Complete Disruption and Thermal	175*	01SEP10A	16MAY11	01APR11	0	125	-31	85	16,161.66	18,958.98	C											EA//EM =100 ;				
2300-0016	Present/track recommendations	154*	01SEP10A	28FEB11A	01APR11			24	100	18,897.18	18,958.98	C											EA//EM =100 ;				
2300-0018	FDR Prep	21*	19MAY11	17JUN11	27MAY11	0	123	-14	0	0.00	19,268.00	C											EA//EM =100 ;				
2300-0018A	Other Analysis - Peer review	0		18MAY11*		0	123	0	0	0.00	0.00	B															
2300-0019	CONDUCT FDR	3	22JUN11*	24JUN11	06JUN11	14	121	-14	0	0.00	3,853.60	C											EM//EC =20 ;				
FY102300	FY10 Actual Cost	22	01APR10A	30APR10A	30APR10A			0	100	3,904.00	3,904.00	C															
FY102300A	FY10 Actual Cost	110	03MAY10A	30SEP10A	30SEP10A			0	100	19,255.00	19,255.00	C											81=22906				

**Job: 2420 - 2nd NBI Sources-CROPPER**

Design																											
24200020	PDR Prep PPL	26	17MAY10A	22JUN10A	22JUN10A			0	100	0.00	0.00	C															
24200050	CONDUCT PDR	1	23JUN10A	23JUN10A	23JUN10A			0	100	0.00	0.00	C															
24200059	Peer Review	0		14APR11A	31MAR11			-10	100	0.00	0.00	B															
24200060	FDR Prep PPL	24*	16MAY11*	17JUN11	14JUN11	0	123	-3	0	0.00	2,485.12	C											EE//SM =16 ;				
24200090	CONDUCT FDR	3	22JUN11*	24JUN11	15JUN11	14	121	-7	0	0.00	1,242.56	C											EE//SM =08 ;				
Procure, Fab & Assembly																											
24200100	Prep Requisition and procurement package	5	15MAY13*	21MAY13	21MAY13	0	20	0	0	0.00	6,956.40	C											EE//SM =40 ;				
24200110	SUBMIT REQ TO PROCUREMENT	1	22MAY13	22MAY13	22MAY13	0	20	0	0	0.00	1,391.28	C											EE//SM =08 ;				



Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY									
													FY11	FY12	FY13	FY14	FY15					
24200120	Procurement lead time (1)	15	23MAY13	13JUN13	13JUN13	0	20	0	0	0.00	0.00	C										
24200130	AWARD	1	14JUN13	14JUN13	14JUN13	0	20	0	0	0.00	0.00	C										
24200150	Fabricate or delivery	40	17JUN13	13AUG13	13AUG13	0	20	0	0	0.00	87,120.00	C										
24200160	Refurbish Source A	90	14AUG13	20DEC13	20DEC13	0	20	0	0	0.00	303,972.96	C										
24200170	Refurbish Source B	70	02JAN14	09APR14	09APR14	0	20	0	0	0.00	307,667.20	C										
24200180	Refurbish Source C	80	10APR14	01AUG14	01AUG14	0	20	0	0	0.00	307,667.20	C										
24200200	Build Probe tips (10 Long, 20 short)	60	08MAY14	01AUG14	01AUG14	60	41	0	0	0.00	75,669.68	C										
<b>Job: 2425 - BL Relocation-DENault</b>																						
<b>Design</b>																						
2425-0017	Design Drawings	24	03MAY10A	04JUN10A	04JUN10A			0	100	0.00	0.00	C										
2425-0018	PDR Prep	11	07JUN10A	21JUN10A	21JUN10A			0	100	0.00	0.00	C										
2425-0019	CONDUCT PDR	2	22JUN10A	23JUN10A	23JUN10A			0	100	0.00	0.00	C										
2425-0020	Layman Review	5	10AUG10A	16AUG10A	16AUG10A			0	100	0.00	0.00	C										
2425-0023	Disposition PDR Chits	2	24JUN10A	25JUN10A	25JUN10A			0	100	0.00	0.00	C										
2425-0024	Design Drawings	177*	01OCT10A	17JUN11	16MAR11	0	123	-66	40	6,816.56	17,041.40	C										
2425-0025	Update Analyses	177*	01OCT10A	17JUN11	16MAR11	0	123	-66	75	16,307.10	21,742.80	C										
2425-0026	Update Cost & Schedule Estimate	67*	15FEB11A	18MAY11	28MAR11	0	134	-37	50	3,164.20	6,328.40	C										
2425-0027	Prep Procurement Specs	20	20MAY11	17JUN11	09MAY11	0	123	-28	0	0.00	6,328.40	C										
2425-0027A	Peer Review	0		14APR11A	31MAR11			-10	100	0.00	0.00	B										
2425-0028	FDR Prep	30	06MAY11	17JUN11	10JUN11	2	123	-5	0	0.00	6,328.40	C										
2425-0029	CONDUCT FDR 2425	3	22JUN11*	24JUN11	14JUN11	14	121	-8	0	0.00	2,531.36	C										
<b>Procure, Fab &amp; Assembly</b>																						
2425-0033	Prep Requisitn and procuremt pckg-Steel & Parts	1	01OCT12*	01OCT12	01OCT12	0	142	0	0	0.00	0.00	C										
2425-0034	SUBMIT REQ TO PROCUREMENT - Steel and Parts	1	02OCT12	02OCT12	02OCT12	0	142	0	0	0.00	0.00	C										
2425-0035	Procurement lead time (1) - Steel and Parts	30	03OCT12	13NOV12	13NOV12	0	142	0	0	0.00	0.00	C										
2425-0036	AWARD - Steel and Parts	1	14NOV12	14NOV12	14NOV12	0	142	0	0	0.00	0.00	C										
2425-0037	Fabricate or delivery - Steel and Parts	30	15NOV12	08JAN13	08JAN13	58	142	0	0	0.00	63,360.00	C										
2425-0039	Prep Requisition and procurement pckg - Lifting	2	01OCT12*	02OCT12	02OCT12	0	153	0	0	0.00	0.00	C										
2425-0040	SUBMIT REQ TO PROCUREMENT - Lifting Equipment	1	03OCT12	03OCT12	03OCT12	0	153	0	0	0.00	0.00	C										
2425-0041	Procurement lead time (1) - Lifting Equipment	30	04OCT12	14NOV12	14NOV12	0	153	0	0	0.00	0.00	C										
2425-0042	AWARD - Lifting Equipment	1	15NOV12	15NOV12	15NOV12	0	153	0	0	0.00	0.00	C										
2425-0043	Fabricate or delivery - Lifting Equipment	30	16NOV12	09JAN13	09JAN13	63	153	0	0	0.00	26,400.00	C										
<b>Installation</b>																						
2425-0055	Engineering 1 Days Per Week title III	325	02APR13*	22JUL14	22JUL14	0	30	0	0	0.00	112,618.48	A										
2425-0056	Engineering Support .Days Per Weektitle III	325	02APR13	22JUL14	22JUL14	0	30	0	0	0.00	40,502.30	A										
2425-0057	Drafting Support .5 day/week title III	325	02APR13	22JUL14	22JUL14	10	30	0	0	0.00	34,285.56	A										

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	Fiscal Year					
													FY11	FY12	FY13	FY14	FY15	
2425-0058	Test Cell Maintenance	248	01OCT12*	30SEP13	30SEP13	209	229	0	0	0.00	71,675.00	A						EM//SB =500 ;M&S=3000
2425-0060	Road - Path	5	01APR13*	05APR13	05APR13	0	84	0	0	0.00	24,836.00	C						EM//SM =40 ; EM//ST =160 ;
2425-0061	Duct Removal - Path	2	08APR13	09APR13	09APR13	0	84	0	0	0.00	9,934.40	C						EM//SM =16 ; EM//ST =64 ;
2425-0062	Lintel Removal - Path	3	10APR13	12APR13	12APR13	0	84	0	0	0.00	17,822.56	C						EM//EM =08 ; EM//SM =24 ; EM//ST =96 ; EE//TB =16 ;
2425-0063	Lintel Install - Path	2	15APR13	16APR13	16APR13	0	84	0	0	0.00	12,855.36	C						EM//EM =08 ; EM//SM =16 ; EM//ST =64 ; EE//TB =16 ;
2425-0064	Duct Install - Path	2	17APR13	18APR13	18APR13	0	84	0	0	0.00	35,014.40	C						EM//SM =16 ; EM//ST =64 ; M&S =19,000 ;
2425-0068	Setup - Metrology	5	19APR13	25APR13	25APR13	0	84	0	0	0.00	23,057.60	C						EM//EM =80 ; EM//ST =80 ;
2425-0069	Measure - Metrology	15	26APR13	16MAY13	16MAY13	0	84	0	0	0.00	138,345.60	C						EM//EM =480 ; EM//ST =480 ;
2425-0070	Model - Metrology	5	17MAY13	23MAY13	23MAY13	0	84	0	0	0.00	36,548.80	C						EM//EM =80 ; EA//SB =160 ;
2425-0071	Lay out - Metrology	5	24MAY13	31MAY13	31MAY13	76	84	0	0	0.00	27,017.60	C						EM//EM =80 ; EM//ST =80 ; 41=3,000 ;
2425-0073	Labyrinth Removal	20	01MAY13*	29MAY13	29MAY13	77	85	0	0	0.00	84,578.88	C						EM//SM =160 ; EM//ST =480 ; EE//TB =32 ;
2425-0076	Construction - Lift Fixtures	20	09APR13*	06MAY13	06MAY13	0	90	0	0	0.00	92,918.40	C						EM//ST =480 ; M&S=30k
2425-0077	Load Test - Lift Fixtures	5	07MAY13	13MAY13	13MAY13	0	90	0	0	0.00	27,478.40	C						EM//EM =40 ; EM//SM =40 ; EM//ST =120 ;
2425-0078	Move - Lift Fixtures	1	14MAY13	14MAY13	14MAY13	0	90	0	0	0.00	2,665.92	C						EM//ST =24 ;
2425-0079	Trial Runs - Lift Fixtures	5	15MAY13	21MAY13	21MAY13	82	90	0	0	0.00	27,478.40	C						EM//EM =40 ; EM//SM =40 ; EM//ST =120 ;
<b>Relocate HVE</b>																		
2425-0123	Move - HVE 1 Movement	2	20MAY13*	21MAY13	21MAY13	0	48	0	0	0.00	11,351.52	C						EM//EM =08 ; EM//SM =16 ; EM//ST =64 ;
2425-0124	Disassemble - HVE 1 Movement	2	22MAY13	23MAY13	23MAY13	0	48	0	0	0.00	9,934.40	C						EM//SM =16 ; EM//ST =64 ;
2425-0125	Move to Crain Access - HVE 1 Movement	2	24MAY13	28MAY13	28MAY13	0	48	0	0	0.00	9,934.40	C						EM//SM =16 ; EM//ST =64 ;
2425-0126	Lift into TFTR - HVE 1 Movement	1	29MAY13	29MAY13	29MAY13	0	48	0	0	0.00	4,967.20	C						EM//SM =08 ; EM//ST =32 ;
2425-0127	Move In - HVE 1 Movement	1	30MAY13	30MAY13	30MAY13	0	48	0	0	0.00	4,967.20	C						EM//SM =08 ; EM//ST =32 ;
2425-0128	Over Wall - HVE 1 Movement	2	31MAY13	03JUN13	03JUN13	0	48	0	0	0.00	11,711.68	C						EM//SM =16 ; EM//ST =80 ;
2425-0129	Reassemble - HVE 1 Movement	2	04JUN13	05JUN13	05JUN13	0	48	0	0	0.00	9,934.40	C						EM//SM =16 ; EM//ST =64 ;
2425-0130	Placement - HVE 1 Movement	3	06JUN13	10JUN13	10JUN13	0	48	0	0	0.00	16,221.60	C						EM//SM =24 ; EM//ST =96 ; 41=1,000 ;
2425-0133	Move - HVE 2 Movement	2	11JUN13	12JUN13	12JUN13	0	48	0	0	0.00	11,351.52	C						EM//EM =08 ; EM//SM =16 ; EM//ST =64 ;
2425-0134	Disassemble - HVE 2 Movement	2	13JUN13	14JUN13	14JUN13	0	48	0	0	0.00	9,934.40	C						EM//SM =16 ; EM//ST =64 ;
2425-0135	Move to Crain Access - HVE 2 Movement	2	17JUN13	18JUN13	18JUN13	0	48	0	0	0.00	9,934.40	C						EM//SM =16 ; EM//ST =64 ;
2425-0136	Lift into TFTR - HVE 2 Movement	1	19JUN13	19JUN13	19JUN13	0	48	0	0	0.00	4,967.20	C						EM//SM =08 ; EM//ST =32 ;
2425-0137	Move In - HVE 2 Movement	1	20JUN13	20JUN13	20JUN13	0	48	0	0	0.00	4,967.20	C						EM//SM =08 ; EM//ST =32 ;
2425-0138	Over Wall - HVE 2 Movement	2	21JUN13	24JUN13	24JUN13	0	48	0	0	0.00	11,711.68	C						EM//SM =16 ; EM//ST =80 ;
2425-0139	Reassemble - HVE 2 Movement	2	25JUN13	26JUN13	26JUN13	0	48	0	0	0.00	9,934.40	C						EM//SM =16 ; EM//ST =64 ;
2425-0140	Placement - HVE 2 Movement	3	27JUN13	01JUL13	01JUL13	0	48	0	0	0.00	16,221.60	C						EM//SM =24 ; EM//ST =96 ; 41=1,000 ;
2425-0143	Move - HVE 3 Movement	2	02JUL13	03JUL13	03JUL13	0	48	0	0	0.00	11,351.52	C						EM//EM =08 ; EM//SM =16 ; EM//ST =64 ;
2425-0144	Disassemble - HVE 3 Movement	2	08JUL13	09JUL13	09JUL13	0	48	0	0	0.00	9,934.40	C						EM//SM =16 ; EM//ST =64 ;
2425-0145	Move to Crain Access - HVE 3 Movement	2	10JUL13	11JUL13	11JUL13	0	48	0	0	0.00	9,934.40	C						EM//SM =16 ; EM//ST =64 ;
2425-0146	Lift into TFTR - HVE 3 Movement	1	12JUL13	12JUL13	12JUL13	0	48	0	0	0.00	4,967.20	C						EM//SM =08 ; EM//ST =32 ;

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	Fiscal Year						
													FY11	FY12	FY13	FY14	FY15		
2425-0147	Move In - HVE 3 Movement	1	15JUL13	15JUL13	15JUL13	0	48	0	0	0.00	4,967.20	C						EM//SM =08 ; EM//ST =32 ;	
2425-0148	Over Wall - HVE 3 Movement	2	16JUL13	17JUL13	17JUL13	0	48	0	0	0.00	11,711.68	C						EM//SM =16 ; EM//ST =80 ;	
2425-0149	Reassemble - HVE 3 Movement	2	18JUL13	19JUL13	19JUL13	0	48	0	0	0.00	9,934.40	C						EM//SM =16 ; EM//ST =64 ;	
2425-0150	Placement - HVE 3 Movement	3	22JUL13	24JUL13	24JUL13	40	48	0	0	0.00	14,901.60	C						EM//SM =24 ; EM//ST =836 ; 41=7,000 ;	
2425-0155	Install HVE Hilti	45	20MAY13	24JUL13	24JUL13	0	48	0	0	0.00	5,763.20	C						EM//SM =0 ; EM//SB =40 41=1,000 ;	
2425-0160	Remove / Reinstall Floor Plug	45	20MAY13	24JUL13	24JUL13	0	48	0	0	0.00	26,176.00	C						EM//SM =0 ; EM//SB =200 41=3,000 ;	
<b>Relocate Beamline **TC LIMITED ACCESS**</b>																			
2425-0081	BEGIN BEAMLINE RELOCATION TO NTC	0	19SEP13			0	8	20	0	0.00	0.00	B							
2425-0082	Lift onto Rollers - Box Movements	1	19SEP13	19SEP13	17OCT13	0	8	20	0	0.00	34,807.04	C						EM//EM =152 ; EM//SM =08 ; EM//ST =48 ;	
2425-0083	Move IN - Box Movements	1	20SEP13	20SEP13	18OCT13	0	8	20	0	0.00	8,434.88	C						EM//EM =08 ; EM//SM =08 ; EM//ST =48 ;	
2425-0084	Over Wall - Box Movements	1	23SEP13	23SEP13	21OCT13	0	8	20	0	0.00	8,434.88	C						EM//EM =08 ; EM//SM =08 ; EM//ST =48 ;	
2425-0085	Placement - Box Movements	10	24SEP13	07OCT13	04NOV13	0	8	20	0	0.00	84,348.80	C						EM//EM =80 ; EM//SM =80 ; EM//ST =480 ;	
2425-0086	Metrology - Box Movements	10	08OCT13	21OCT13	18NOV13	0	8	20	0	0.00	63,800.00	C						EM//EM =80 ; EM//SM =80 ; EM//ST =160 ; 41=12,000 ;	
2425-0089	Off - Source Platform	1	22OCT13*	22OCT13	19NOV13	0	8	20	0	0.00	4,213.60	C						EM//SM =08 ; EM//ST =24 ;	
2425-0090	Move - Source Platform	1	23OCT13	23OCT13	20NOV13	0	8	20	0	0.00	3,294.88	C						EM//SM =08 ; EM//ST =16 ;	
2425-0091	Lift - Source Platform	1	24OCT13	24OCT13	21NOV13	0	8	20	0	0.00	5,132.32	C						EM//SM =08 ; EM//ST =32 ;	
2425-0092	On - Source Platform	1	25OCT13	25OCT13	22NOV13	0	8	20	0	0.00	5,132.32	C						EM//SM =08 ; EM//ST =32 ;	
2425-0093	Metrology - Source Platform	10	28OCT13	08NOV13	10DEC13	0	8	20	0	0.00	87,375.60	C						EM//EM =160 ; EM//SM =80 ; EM//ST =320 ; 41=5,000 ;	
2425-0097	Stabilize - Lid Movement	3	11NOV13	13NOV13	13DEC13	0	8	20	0	0.00	22,548.48	C						EM//EM =24 ; EM//SM =24 ; EM//ST =120 ;	
2425-0098	Lift onto Rollers - Lid Movement	1	14NOV13	14NOV13	16DEC13	0	8	20	0	0.00	8,434.88	C						EM//EM =08 ; EM//SM =08 ; EM//ST =48 ;	
2425-0099	Move IN - Lid Movement	1	15NOV13	15NOV13	17DEC13	0	8	20	0	0.00	8,434.88	C						EM//EM =08 ; EM//SM =08 ; EM//ST =48 ;	
2425-0100	Over Wall - Lid Movement	1	18NOV13	18NOV13	18DEC13	0	8	20	0	0.00	8,434.88	C						EM//EM =08 ; EM//SM =08 ; EM//ST =48 ;	
2425-0101	Placement - Lid Movement	1	19NOV13	19NOV13	19DEC13	0	8	20	0	0.00	4,760.00	C						EM//EM =08 ; EM//SM =08 ; EM//ST =16 ;	
2425-0102	Metrology - Lid Movement	1	20NOV13	20NOV13	20DEC13	0	8	20	0	0.00	19,350.00	C						EM//EM =16 ; EM//SM =08 ; EM//ST =48 ; 41=7,000 ;	
2425-0106	90in Flange - Component Movement	2	21NOV13	22NOV13	03JAN14	0	8	20	0	0.00	10,264.64	C						EM//SM =16 ; EM//ST =64 ;	
2425-0107	Magnet - Component Movement	2	25NOV13	26NOV13	07JAN14	0	8	20	0	0.00	11,729.76	C						EM//EM =08 ; EM//SM =16 ; EM//ST =64 ;	
2425-0108	Ion Dump - Component Movement	2	27NOV13	02DEC13	09JAN14	0	8	20	0	0.00	11,729.76	C						EM//EM =08 ; EM//SM =16 ; EM//ST =64 ;	
2425-0109	Exit Spool - Component Movement	2	03DEC13	04DEC13	13JAN14	0	8	20	0	0.00	10,264.64	C						EM//SM =16 ; EM//ST =64 ;	
2425-0110	TIV - Component Movement	2	05DEC13	06DEC13	15JAN14	0	8	20	0	0.00	10,264.64	C						EM//SM =16 ; EM//ST =64 ;	
2425-0111	Calorimeter - Component Movement	2	09DEC13	10DEC13	17JAN14	0	8	20	0	0.00	17,129.76	C						EM//EM =08 ; EM//SM =16 ; EM//ST =64 ; 41=4,000 ;	
2425-0112	BEAMLINE AND COMPONENTS INSTALLED IN NTC	0		10DEC13	17JAN14	0	8	20	0	0.00	0.00	B							
<b>Relocate Sources</b>																			
2425-0115	Move 1 - Source Movement	2	02JAN14	03JAN14	21JAN14	0	158	12	0	0.00	10,264.64	C						EM//SM =16 ; EM//ST =64 ;	

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	Fiscal Year									
													FY11	FY12	FY13	FY14	FY15					
2425-0116	Align 1 - Source Movement	4	06JAN14	09JAN14	27JAN14	64	158	12	0	0.00	32,250.24	C										
2425-0117	Move 2 - Source Movement	2	10APR14	11APR14	11APR14	0	94	0	0	0.00	10,264.64	C										
2425-0118	Align 2 - Source Movement	4	14APR14	17APR14	17APR14	74	94	0	0	0.00	32,250.24	C										
2425-0119	Move 3 - Source Movement	2	04AUG14	05AUG14	05AUG14	0	20	0	0	0.00	10,264.64	C										
2425-0120	Align 3 - Source Movement	4	06AUG14	11AUG14	11AUG14	39	20	0	0	0.00	37,650.24	C										
FY092425	FY09 Actual Cost	22*	23FEB09A	30SEP09A	30SEP09A				0	100	15,023.00	15,023.00	C									
FY102425	FY10 Actual Cost	143	01OCT09A	30APR10A	30APR10A				0	100	19,729.00	19,729.00	C									
FY102435A	FY10 Actual Cost	110	03MAY10A	30SEP10A	30SEP10A				0	100	6,165.00	6,165.00	C	81=8583								
<b>Job: 2430 - 2nd NBI Decontamination-STEVENSON</b>																						
24300230	Decon Calorimeter	30	01OCT09A	11NOV09A	11NOV09A				0	100	0.00	0.00	C									
24300240	Decon Ion Dump	42	03MAY10A	30JUN10A	30JUN10A				0	100	0.00	0.00	C									
24300260	Decon Bending Magnet	25	26MAY10A	30JUN10A	30JUN10A				0	100	0.00	0.00	C									
24300280	Decon 90 inch flange & neutralizer	63	03MAY10A	30JUL10A	30JUL10A				0	100	0.00	0.00	C									
24300300	Decon Exit Spool Piece	36*	01SEP10A	30SEP10A	30SEP10A				0	100	97,606.20	97,606.20	C	EE//SM =160								
24300310	Decon BL Lid	9	18JUN10A	30JUN10A	30JUN10A				0	100	0.00	0.00	C									
24300370	Decon BL Box	11	13AUG10A	27AUG10A	27AUG10A				0	100	0.00	0.00	C									
24300380	Decon BL exterior & accoutrements	49*	13AUG10A	30SEP10A	30SEP10A				0	100	68,755.45	68,755.45	C	EE//SM =120								
24300390	Decon Program Evaluation/Operation Impact	10	01SEP10A	30SEP10A	30SEP10A				0	100	0.00	0.00	C	EM//EM =240								
24300399	DECON COMPLETE	0		21OCT10A	21OCT10A				0	100	0.00	0.00	B									
24300400	Decon Procurement Support - Material &	121*	03MAY10A	30SEP10A	30SEP10A				0	100	92,040.00	92,040.00	C	41=52,000								
FY092430	FY09 Actual Cost	22*	23FEB09A	30SEP09A	30SEP09A				0	100	1,238,513.00	1,238,513.00	C									
FY102430	FY10 Actual Cost	143	01OCT09A	30SEP10A	30SEP10A				0	100	542,135.00	542,135.00	C									
FY112430	FY10 Actual Cost	143	01OCT10A	29OCT10A	29OCT10A				0	100	18,000.00	18,000.00	C									
<b>Job: 2440 - 2nd NBI Beamline-DENAULT</b>																						
<b>Procure, Fab &amp; Assembly</b>																						
2440-0001	Begin refurbishment job parts list	143*	01OCT10A	31JAN11A	01FEB11				1	100	6,212.80	6,212.80	C	EE//SM =40								
2440-0002	Prepare drawings	600*	01OCT10A	01MAR13	01MAR13	0	147	0	45	19,869.89	44,155.30	C										
2440-0002A	Engineering Supervision (LOE)	599*	01OCT10A	28FEB13	26APR13	0	148	41	24	38,482.15	161,592.38	A										
2440-0003	Calorimeter parts	90	11NOV11	27MAR12	24APR12	0	8	20	0	0.00	1,290.00	C										
2440-0004	Ion Dump parts	90	03OCT11*	15FEB12	15FEB12	27	37	0	0	0.00	2,580.00	C										
2440-0005	Magnet parts	90	29OCT12	14MAR13	11APR13	0	8	20	0	0.00	660.00	C										
2440-0006	90 inch flange and neutralizer parts	90	17SEP12	31JAN13	28FEB13	0	8	20	0	0.00	1,320.00	C										
2440-0007	Exit spool piece parts	90	28NOV12	11APR13	09MAY13	0	8	20	0	0.00	6,600.00	C										
2440-0008	BL Lid parts	90	06JUL12	09NOV12	11DEC12	0	8	20	0	0.00	1,568.00	C										
2440-0009	BL Box parts	90	25APR12	30AUG12	28SEP12	0	8	20	0	0.00	5,160.00	C										
2440-0011	Calorimeter TC wiring	115	07OCT11	27MAR12	24APR12	0	8	20	0	0.00	45,034.40	C										

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	Fiscal Year																
													FY11	FY12	FY13	FY14	FY15												
2440-0012	Ion Dump TC wiring	103	22AUG11*	24JAN12	24JAN12	43	53	0	0	0.00	37,745.26	C																	
2440-0013	Magnet TC wiring	78	14NOV12	14MAR13	11APR13	0	8	20	0	0.00	35,451.20	C																	
2440-0014	90 inch flange and neutralizer TC wiring	48	14NOV12	31JAN13	28FEB13	0	8	20	0	0.00	35,451.20	C																	
2440-0015	Exit spool piece TC wiring (refurb & relocate)	98	14NOV12	11APR13	09MAY13	0	8	20	0	0.00	35,451.20	C																	
2440PEER	Peer Review	0		14APR11A	31MAR11			-10	100	0.00	0.00	B																	
<b>Refurbishment</b>																													
2440-0017A	Radiation Supplies (M&S) (LOE)	635*	01NOV10A	20MAY13	20MAY13	0	91	0	19	61,756.73	321,649.61	A																	
2440-0017B	Test Cell Maintenance (LOE)	500*	01NOV10A	30OCT12	30OCT12	0	226	0	24	32,025.26	131,251.04	A																	
2440-0018	Refurbish BL Box	110	28MAR12*	30AUG12	28SEP12	0	8	20	0	0.00	87,454.80	C																	
2440-0020	Refurbish BL Lid	50	31AUG12	09NOV12	11DEC12	0	8	20	0	0.00	91,939.20	C																	
2440-0022	Refurbish 90 inch flange and neutralizer	50	12NOV12	31JAN13	28FEB13	0	8	20	0	0.00	178,598.40	C																	
2440-0024	Refurbish Bending Magnet	30	01FEB13	14MAR13	11APR13	0	8	20	0	0.00	89,299.20	C																	
2440-0026	Refurbish spool piece	20	15MAR13	11APR13	09MAY13	0	8	20	0	0.00	178,598.40	C																	
2440-0028	Refurbish Ion Dump	284*	07FEB11A	23MAR12	23APR12	0	10	21	8	22,350.72	280,279.91	C																	
2440-0030	Refurbish Calorimeter	148	22AUG11*	27MAR12	24APR12	0	8	20	0	0.00	269,865.06	C																	
2440-0031	Modify to New style	50	12APR13	21JUN13	23JUL13	0	8	20	0	0.00	233,556.00	C																	
2440-0033	Reassembly & Test & relocate	60	24JUN13	18SEP13	16OCT13	0	8	20	0	0.00	265,724.16	C																	
FY092440	FY09 Actual Cost	22*	23FEB09A	30SEP09A	30SEP09A			0	100	28,566.00	28,566.00	C																	
FY102440	FY10 Actual Cost	100	01DEC09A	30APR10A	30APR10A			0	100	5,908.00	5,908.00	C																	
FY102440A	FY10 Actual Cost	1	03MAY10A	30SEP10A	30SEP10A			0	100	6,131.00	6,131.00	C																	
<b>Job: 2450 - 2nd NBI Services-DENAUT</b>																													
<b>Design</b>																													
2450-0017	Design Drawings	25	03MAY10A	07JUN10A	07JUN10A			0	100	0.00	0.00	C																	
2450-0018	PDR Prep	10	23JUN10A	24JUN10A	24JUN10A			0	100	0.00	0.00	C																	
2450-0019	CONDUCT PDR	2	22JUN10A	23JUN10A	23JUN10A			0	100	0.00	0.00	C																	
2450-0020	Lehman Review	5	10AUG10A	16AUG10A	16AUG10A			0	100	0.00	0.00	C																	
2450-0022	Disposition PDR Chits	2	24JUN10A	25JUN10A	25JUN10A			0	100	0.00	0.00	C																	
2450-0023	Design Drawings	177*	01OCT10A	17JUN11	28MAR11	0	30	-58	80	19,165.60	23,957.00	C																	
2450-0024	Update Analyses	84*	21FEB11A	17JUN11	04APR11	0	123	-53	60	13,045.68	21,742.80	C																	
2450-0025	Update Cost & Schedule Estimate	84*	21FEB11A	17JUN11	13APR11	0	123	-46	60	7,594.08	12,656.80	C																	

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY					
													FY11	FY12	FY13	FY14	FY15	
2450-0026	Prep Procurement Specs	10	06JUN11	17JUN11	27APR11	0	123	-36	0	0.00	12,656.80	C						
2450-0027	FDR Prep	15	27MAY11	17JUN11	13JUN11	2	123	-4	0	0.00	12,656.80	C						
2450-0028	CONDUCT FDR 2450	3	22JUN11*	24JUN11	15JUN11	14	121	-7	0	0.00	2,531.36	C						
2450-PEER	Peer Review	0		14APR11A	31MAR11			-10	100	0.00	0.00	B						
<b>Procure, Fab &amp; Assembly</b>																		
2450-0032	Prep Requisition & procurement pkg - Cyro parts	1	15MAY13*	15MAY13	15MAY13	0	24	0	0	0.00	0.00	C						
2450-0033	SUBMIT REQ TO PROCUREMENT - Cyro parts	1	16MAY13	16MAY13	16MAY13	0	45	0	0	0.00	0.00	C						
2450-0034	Procurement lead time (1) - Cyro parts	30	17MAY13	28JUN13	28JUN13	0	45	0	0	0.00	0.00	C						
2450-0035	AWARD - Cyro parts	1	01JUL13	01JUL13	01JUL13	0	45	0	0	0.00	0.00	C						
2450-0036	Fabricate or delivery - Cyro parts	90	02JUL13	07NOV13	07NOV13	10	45	0	0	0.00	265,866.67	C						41=\$200,000
2450-0038	Prep Requisitn & procuremnt pkg - Pipe & misc.	2	15MAY13*	16MAY13	16MAY13	0	24	0	0	0.00	0.00	C						
2450-0039	SUBMIT REQ TO PROCUREMENT - Pipe & misc.	1	17MAY13	17MAY13	17MAY13	0	24	0	0	0.00	0.00	C						
2450-0040	Procurement lead time (1) - Pipe & misc.	30	20MAY13	01JUL13	01JUL13	0	24	0	0	0.00	0.00	C						
2450-0041	AWARD - Pipe & misc.	1	02JUL13	02JUL13	02JUL13	0	24	0	0	0.00	0.00	C						
2450-0042	Fabricate or delivery - Pipe & misc.	65	03JUL13	04OCT13	04OCT13	0	24	0	0	0.00	641,095.38	C						41=\$485,000
2450-0053A	Engineering for 2nd NBI Services	356	15MAR13*	18AUG14	18AUG14	0	1,517	0	0	0.00	457,664.43	A						EM//EM =2,400
2450-0053B	Engineering Support for 2nd NBI Services	356	15MAR13	18AUG14	18AUG14	211	1,517	0	0	0.00	107,069.66	A						41=80,000 ;
2450-0053C	Drafting Support for 2nd NBI Services	863*	04MAR11A	18AUG14	18AUG14	0	30	0	5	5,506.50	114,210.07	A						EA//SB =800 ;
2450-0056	Install Penetrations	80	01JUN12*	24SEP12	24SEP12	210	245	0	0	0.00	119,385.00	C						EM//ST =900
2450-0057	Helium Transfer Lines	160	01AUG13*	27MAR14	27MAR14	0	35	0	0	0.00	462,686.30	C						EM//ST =3,000 ; EE//TB =480 ;
2450-0059	Nitrogen Transfer Lines	120	31JAN14*	21JUL14	21JUL14	0	35	0	0	0.00	188,429.70	C						EM//ST =1,200 ; EE//TB =210 ;
2450-0061	SF6 Transfer Lines	30	31JAN14*	13MAR14	13MAR14	101	125	0	0	0.00	71,074.11	C						EM//ST =450 ; EE//TB =83 ;
2450-0063	HVE Water Lines	65	31JAN14*	01MAY14	01MAY14	66	90	0	0	0.00	186,972.15	C						EM//ST =1,200 ; EE//TB =195 ;
2450-0065	Ion Dump Water Lines	175	07OCT13*	23JUN14	23JUN14	0	24	0	0	0.00	434,324.95	C						EM//ST =2,800 ; EE//TB =435 ;
2450-0067	Ion Source Water Lines	130	07OCT13*	18APR14	18APR14	45	69	0	0	0.00	310,648.55	C						EM//ST =2,000 ; EE//TB =315 ;
2450-0074	Vacuum Lines	30	24JUN14*	05AUG14	05AUG14	0	24	0	0	0.00	88,868.12	C						EM//ST =575 ; EE//TB =86 ;
2450-0085	Stack & Vacuum Lines	30	07OCT13*	15NOV13	15NOV13	175	199	0	0	0.00	54,837.20	C						EM//ST =350 ; EE//TB =60 ;
2450-0093	Gas System	23	07OCT13*	06NOV13	06NOV13	182	206	0	0	0.00	50,948.02	C						EM//ST =325 ; EE//TB =56 ;
2450-0097	Legs	12	01OCT13*	16OCT13	16OCT13	197	221	0	0	0.00	58,947.46	C						EM//ST =250 ; EE//TB =38 ; 41=15,000 ;
2450-0099	HVAC	70	01OCT13*	20JAN14	20JAN14	139	163	0	0	0.00	31,818.00	C						EA//SB =80 41=15000
2450-0102	Platform Mods	70	11DEC13*	28MAR14	25APR14	12	34	20	0	0.00	519,198.30	C						EA//SB =200 ; EE//EM =40 ; EE//TB =230 ; EM//EM =200 ;
2450-0103	NBI SERVICES COMPLETE	0		05AUG14	05AUG14	43	24	0	0	0.00	0.00	B						
FY092450	FY09 Actual Cost	22*	23FEB09A	30SEP09A	30SEP09A			0	100	76,722.00	76,722.00	C						
FY102450	FY10 Actual Cost	143	01OCT09A	30APR10A	30APR10A			0	100	122,550.00	122,550.00	C						
FY102450A	FY10 Actual Cost	110	03MAY10A	30SEP10A	30SEP10A			0	100	66,728.00	66,728.00	C						
													81=66768					

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY				
													FY11	FY12	FY13	FY14	FY15
<b>Job: 2460 - 2nd NBI Armor-TRESEMER</b>																	
2460-0016	Armor Service Connection (Bay H)	10	06JUL10A	19JUL10A	19JUL10A			0	100	0.00	0.00	C					
2460-0018	PDR Prep - NBI Armor	36	03MAY10A	22JUN10A	22JUN10A			0	100	0.00	0.00	C					
2460-0019	CONDUCT PDR - NBI Armor	1	23JUN10A	23JUN10A	23JUN10A			0	100	0.00	0.00	C					
2460-0020	Disposition PDR Chits - Final Design	23	28JUN10A	29JUL10A	29JUL10A			0	100	0.00	0.00	C					
2460-0021	Revise Armor Backing & Armor service connecti	19	28JUN10A	23JUL10A	23JUL10A			0	100	0.00	0.00	C					
2460-0022	Design Drawings	186*	02AUG10A	08NOV10A	29APR11			116	100	12,719.68	13,129.69	C	EM//EM =30 ; EA/ES =100 ;				
2460-0024	Armor Instrumentation/Service Connection	63*	18JAN11A	14APR11A	24FEB11			-35	100	18,542.32	18,542.32	C	EM//EM =52 ; EA/ES =12 ;				
2460-0025	Develop Installation Techniques	20*	15MAR11A	11APR11A	24MAR11			-12	100	10,821.60	10,821.60	C	EM//EM =64 ; EA/ES =08 ;				
2460-0026	Update Analysis	63*	21FEB11A	18MAY11	13MAY11	0	123	-3	80	34,508.08	43,135.10	C	EM//EM =30 ; EA/EM =160 ; Travel=6k				
2460-0026A	Peer Review - 2nd NBI Armor	0		14APR11A				0	100	0.00	0.00	B					
2460-0027	Update Cost & Sched Estimate - Final Dsgn	89*	24JAN11A	26MAY11	23MAY11	0	136	-3	25	2,491.81	9,967.23	C	EM//EM =63 ;				
2460-0028	FDR Prep - NBI Armor	21*	19MAY11*	17JUN11	13JUN11	0	123	-4	0	0.00	6,446.04	C	EM//EM=20; EA/ES=20; EA/EM=8				
2460-0029	Conduct FDR - NBI Armor	3	20JUN11	22JUN11*	14JUN11*	0	123	-6	0	0.00	1,265.68	C	EM//EM =08 ;				
2460-0030	FDR Chit Resolution	20	23JUN11	21JUL11*	13JUL11*	357	392	-6	0	0.00	23,472.00	C	EM//EM =80 ; EA/ES =80 ; EA/EM =20 ;				
2460-0031	Prep Requisition & Procuremnt Pckg - Armor Tiles	10	02JAN13*	15JAN13	15JAN13	0	35	0	0	0.00	8,502.72	C		EM//EM =48 ;			
2460-0032	Submit Request to Procurement - Armor Tiles	1	16JAN13	16JAN13	16JAN13	0	35	0	0	0.00	708.56	C		EM//EM =04 ;			
2460-0033	Procurement Lead Times - Armor Tiles	40	17JAN13	13MAR13	13MAR13	0	35	0	0	0.00	0.00	C					
2460-0034	Award - Armor Tiles	1	14MAR13	14MAR13	14MAR13	0	35	0	0	0.00	0.00	C					
2460-0035	Fabricate / Delivery - Armor Tiles	180	15MAR13	27NOV13	27NOV13	27	35	0	0	0.00	29,234.00	C			41=18,000 ; 35=4,000 ;		
2460-0037	Prep Requisition & Procuremnt Pckg - Armor Tiles	10	01MAR13*	14MAR13	14MAR13	0	153	0	0	0.00	12,754.08	C		EM//EM =72 ;			
2460-0038	Submit Request t/Proc - Armor Support	1	15MAR13	15MAR13	15MAR13	0	153	0	0	0.00	708.56	C		EM//EM =04 ;			
2460-0039	Procurement Lead Time - Armor Support	25	18MAR13	19APR13	19APR13	0	153	0	0	0.00	0.00	C					
2460-0040	Award - Armor Support	1	22APR13	22APR13	22APR13	111	153	0	0	0.00	0.00	C					
2460-0041	Fabricate / Delivery - Armor Support	60	01OCT13*	06JAN14	06JAN14	34	42	0	0	0.00	60,750.00	C			41=45,000 ;		
2460-0043	Prep Requisition & Procuremnt Pckg-Backing Plate	2	03SEP13*	04SEP13	04SEP13	0	21	0	0	0.00	2,479.96	C		EM//EM =14 ;			
2460-0044	Submit Request t/Proc - New Backing Plates	1	05SEP13	05SEP13	05SEP13	0	21	0	0	0.00	708.56	C		EM//EM =04 ;			
2460-0045	Procurement Lead Time - New Backing Plates	15	06SEP13	26SEP13	26SEP13	0	21	0	0	0.00	0.00	C					
2460-0046	Award - New Backing Plates	1	27SEP13	27SEP13	27SEP13	0	21	0	0	0.00	0.00	C					
2460-0047	Delivery - New Backing Plates	20	30SEP13	25OCT13	25OCT13	0	21	0	0	0.00	26,970.00	C			41=20,000 ;		
2460-0049	Fabricate Backing Plates	15	28OCT13*	15NOV13	15NOV13	0	21	0	0	0.00	17,500.80	C	EM//EM =12 ; EM//SM =84 ;				
2460-0050	Assemble Armor Quad #1	7	18NOV13	26NOV13	26NOV13	0	21	0	0	0.00	12,752.60	C			EM//SM =70 ;		
2460-0051	Assemble Armor Quad #2	5	27NOV13	05DEC13	05DEC13	0	21	0	0	0.00	9,109.00	C			EM//SM =50 ;		
2460-0052	Assemble Armor Quad #3	5	06DEC13	12DEC13	12DEC13	0	21	0	0	0.00	9,109.00	C			EM//SM =50 ;		
2460-0053	Assemble Armor Quad #4	5	13DEC13	19DEC13	19DEC13	13	21	0	0	0.00	9,109.00	C			EM//SM =50 ;		
2460-0054	Assembly Procedure Finalized	15	28JUN13*	22JUL13	22JUL13	98	106	0	0	0.00	12,754.08	C		EM//EM =72 ;			
2460-0057	In Vessel Work Remove Armor	20	11DEC13*	17JAN14	14FEB14	0	8	20	0	0.00	24,776.48	C			EM//SM =136 ;		
2460-0058	Armor Support Installation	10	20JAN14	31JAN14	28FEB14	0	8	20	0	0.00	25,127.20	C		EM//EM =08 ; EM//ST =112 ; 41=8,000 ;			

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY					
													FY11	FY12	FY13	FY14	FY15	
2460-0059	Armor Quadrant Installations	15	03FEB14*	21FEB14	21MAR14	0	8	20	0	0.00	29,759.28	C						
2460-0060	Service Connections	4	24FEB14	27FEB14	27MAR14	0	8	20	0	0.00	6,740.66	C						
2460-0061	Bay-H Port Cover Install	3	28FEB14*	04MAR14	01APR14	0	8	20	0	0.00	5,649.50	C						
2460-0062	PTP Testing - NBI Armor	2	05MAR14*	06MAR14	03APR14	27	8	20	0	0.00	2,922.56	C						
FY092460	FY09 Actual Cost	22*	23FEB09A	30SEP09A	30SEP09A			0	100	35,786.00	35,786.00	C						
FY102460	FY10 Actual Cost	143	01OCT09A	30APR10A	30APR10A			0	100	144,675.00	144,675.00	C						
FY102460A	FY10 Actual Cost	110	03MAY10A	30SEP10A	30SEP10A			0	100	84,622.00	84,622.00	C						

**Job: 2470 - 2nd NBI Power-RAKI**

**21-AC Aux.**

247000245	ip211-AC Auxiliaries PP's etc	130	01OCT13*	14APR14	14APR14	37	63	0	0	0.00	174,685.04	K
247000250	212 grounding	130	01OCT13*	14APR14	14APR14	37	63	0	0	0.00	109,645.28	K

EE//EM =144 ; EE//SB =240 ;  
 EE//SM =56 ; EE//TB =416 ;  
 41=20,000 ; 41=25,000 ;  
 EE//EM =72 ; EE//SB =160 ;  
 EE//SM =32 ; EE//TB =336 ;  
 41=10,000 ; 41=15,000 ;

**22-Reactivation**

247000254	Power Testing of Reactivated Equipment	45	03APR14	05JUN14	05JUN14	0	26	0	0	0.00	51,300.96	C
247000255	Switchyard- Reactivation	45	01JUL13*	04SEP13	04SEP13	0	26	0	0	0.00	68,716.88	C
247000256	Surge Room- Reactivation	50	05SEP13	13NOV13	13NOV13	0	26	0	0	0.00	103,722.63	C
247000257	Mod- reg- Reactivation	30	14NOV13	08JAN14	08JAN14	0	26	0	0	0.00	48,791.60	C
247000258	Arc/Filament/magnet- Reactivation	30	09JAN14	19FEB14	19FEB14	0	26	0	0	0.00	38,783.28	C
247000259	LCC- Reactivation	30	20FEB14	02APR14	02APR14	0	26	0	0	0.00	46,091.60	C

EE//EM =32 ; EE//SB =00 ;  
 EE//SM =120 ; EE//TB =240 ;  
 41=8,000 ;  
 EE//EM =48 ; EE//SB =08 ;  
 EE//SM =80 ; EE//TB =360 ;  
 41=3,000 ;  
 EE//EM =48 ; EE//SB =08 ;  
 EE//SM =200 ; EE//TB =432 ;  
 41=12,000 ;  
 EE//EM =48 ; EE//SB =08 ;  
 EE//SM =80 ; EE//TB =160 ;  
 41=6,000 ;  
 EE//EM =48 ; EE//SB =08 ;  
 EE//SM =48 ; EE//TB =144 ;  
 41=4,000 ;  
 EE//EM =48 ; EE//SB =08 ;  
 EE//SM =80 ; EE//TB =160 ;  
 41=4,000 ;

**24-Cabling**

247000260	Design - Penetrations	15	02JUL12*	23JUL12	23JUL12	0	190	0	0	0.00	6,983.52	C
247000270	Design Removal of Cable	25	08JUN12*	13JUL12	13JUL12	135	182	0	0	0.00	23,984.00	C
247000275	Design - Cables	100	04SEP12*	01FEB13	01FEB13	0	47	0	0	0.00	170,743.41	C
247000280	Prep Procurement Spec - Raceway	15	14JAN13*	01FEB13	01FEB13	1	160	0	0	0.00	24,487.60	C
247000420	Prep Req & Procurement Pckg - Penetrations	1	24JUL12	24JUL12	24JUL12	0	190	0	0	0.00	1,516.72	C
247000430	Submit Req to Procurement - Penetrations	1	25JUL12	25JUL12	25JUL12	0	190	0	0	0.00	758.36	C
247000440	Procurement Lead Time - Penetrations	25	26JUL12	29AUG12	29AUG12	0	190	0	0	0.00	0.00	C
247000450	Award - Penetrations	1	30AUG12	30AUG12	30AUG12	0	190	0	0	0.00	0.00	C
247000460	Procurement/Fab/Assembly - Penetrations	65	31AUG12	04DEC12	04DEC12	0	190	0	0	0.00	6,553.85	C
247000470	Prep Req & Procurement Pckg - Cables	1	04FEB13	04FEB13	04FEB13	0	47	0	0	0.00	1,548.56	C

EE//EM =08 ; EE//SB =40 ;  
 EE//EM =40 ; EE//SB =120 ;  
 EE//EM =280 ; EE//SB =840 ;  
 EE//EM =40 ; EE//SB =120 ;  
 EE//EM =08 ;  
 EE//EM =04 ;  
 41=5,000 ;  
 EE//EM =08 ;



Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY										
													FY11	FY12	FY13	FY14	FY15						
247000480	Submit Req to Procurement - Cables	1	05FEB13	05FEB13	05FEB13	0	47	0	0	0.00	774.28	C											
247000490	Procurement Lead Time - Cables	30	06FEB13	19MAR13	19MAR13	0	47	0	0	0.00	0.00	C											
247000500	Award - Cables	1	20MAR13	20MAR13	20MAR13	0	47	0	0	0.00	0.00	C											
247000510	Procurement - NBI Cables	120	21MAR13	10SEP13	10SEP13	0	47	0	0	0.00	557,304.00	C											
247000520	Prep Req & Procurement Pckg - Raceway	1	05FEB13	05FEB13	05FEB13	0	161	0	0	0.00	1,548.56	C											
247000530	Submit Req to Procurement - Raceway	1	06FEB13	06FEB13	06FEB13	0	161	0	0	0.00	774.28	C											
247000540	Procurement Lead Time - Raceway	15	07FEB13	27FEB13	27FEB13	0	161	0	0	0.00	0.00	C											
247000550	Award - Raceway	1	28FEB13	28FEB13	28FEB13	0	161	0	0	0.00	0.00	C											
247000560	Procurement/Fab/Assembly - Raceway	65	01MAR13	31MAY13	31MAY13	83	161	0	0	0.00	39,600.00	C											
247000690	Installation Procedure - Penetrations	5	05DEC12	11DEC12	11DEC12	0	190	0	0	0.00	1,548.56	C											
247000700	Installation - Penetrations	8	12DEC12	21DEC12	21DEC12	0	190	0	0	0.00	32,929.04	C											
247000710	Removal - Cable	8	02JAN13	11JAN13	11JAN13	0	215	0	0	0.00	19,783.76	C											
247000720	Installation Procedure - Cable	5	12DEC12	18DEC12	18DEC12	0	226	0	0	0.00	1,548.56	C											
247000730	Installation - Cable	100	11SEP13*	11FEB14	21FEB14	0	47	8	0	0.00	271,733.11	C											
247000740	Installation Procedure - Raceway	5	19DEC12	03JAN13	03JAN13	188	266	0	0	0.00	1,548.56	C											
247000750	Installation - 2nd NBI Raceway	90	01OCT13*	17FEB14	21FEB14	0	78	4	0	0.00	739,832.48	C											
247000780	Commissioning - Removal of Cable	5	14JAN13	18JAN13	18JAN13	263	310	0	0	0.00	9,639.28	C											
247000790	Commissioning - Cable	40	12FEB14	08APR14	18APR14	0	47	8	0	0.00	141,711.60	C											
247000795	Commissioning - Raceway	5	18FEB14	24FEB14	28FEB14	31	78	4	0	0.00	9,965.68	C											
247000729	decontmination of east wall	48	02JUL13	10SEP13	20SEP13	0	47	8	0	0.00	97,071.52	C											
<b>25-Transmission Line</b>																							
247000285	Design & Install Transmission Line	240	01JUL13*	19JUN14	19JUN14	75	56	0	0	0.00	133,959.36	K											
<b>28-System Design &amp; Integration</b>																							
247000090	Design dwgs, changes,as-builts (LOE)	1,101*	03MAY10A	30SEP14	30SEP14	0	1,487	0	23	19,847.88	87,822.51	A											
247000100	CDR Complete Power System	20	01OCT09A	28OCT09A	28OCT09A			0	100	0.00	0.00	C											
247000180	PDR Preparation	37	03MAY10A	23JUN10A	23JUN10A			0	100	0.00	0.00	C											
247000190	Conduct PDR	1	24JUN10A	24JUN10A	24JUN10A			0	100	0.00	0.00	C											
247000200	PDR Complete	0		24JUN10A	24JUN10A			0	100	0.00	0.00	B											
247000235	Calculations - Final Dsgn	115*	03JAN11A	13JUN11	13JUN11	0	127	0	70	4,840.92	6,915.60	C											
247000295	FDR Cabling	115*	03JAN11A	13JUN11	13JUN11	0	127	0	70	8,330.56	11,900.80	C											
247000300	Conduct FDR	3	22JUN11*	24JUN11	14JUN11	0	121	-8	0	0.00	0.00	C											
247000305	FDR Complete	0		24JUN11	14JUN11	14	121	-8	0	0.00	0.00	B											
2470PEER	Peer Review	0		14APR11A	31MAR11			-10	100	0.00	0.00	B											
<b>System Testing</b>																							
247000890	New Procedures, PTP's, ISTEP's	44	06FEB14*	08APR14	18APR14	0	47	8	0	0.00	19,546.80	C											

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY								
													FY11	FY12	FY13	FY14	FY15				
247000900	DC Hipots Engineering	20	09APR14	06MAY14	16MAY14	21	47	8	0	0.00	8,005.20	C						EE//EM =40 ;			
247000910	DC Hipots Commissioning	40	06JUN14	01AUG14	01AUG14	45	26	0	0	0.00	11,022.00	C						EE//EM =24 ; EE//TB =64 ;			
247000920	Elect Interlock Testing Eng	20	09APR14	06MAY14	16MAY14	0	47	8	0	0.00	1,601.04	C						EE//EM =08 ;			
247000930	Elect Interlock Testg Commissioning	40	07MAY14	02JUL14	15JUL14	66	47	8	0	0.00	11,022.00	C						EE//EM =24 ; EE//TB =64 ;			
247000940	Kirk Key Testing Eng	20	09APR14	06MAY14	16MAY14	0	47	8	0	0.00	1,601.04	C						EE//EM =08 ;			
247000941	Kirk Key Testg Commissioning	40	07MAY14	02JUL14	15JUL14	66	47	8	0	0.00	5,534.16	C						EE//EM =16 ; EE//TB =24 ;			
247000945	Instrumentation Testing Engr	20	09APR14	06MAY14	16MAY14	0	47	8	0	0.00	1,601.04	C						EE//EM =08 ;			
247000946	Instrumentation Commissioning	40	07MAY14	02JUL14	15JUL14	66	47	8	0	0.00	4,756.80	C						EE//EM =16 ; EE//TB =16 ;			
247000950	Control Sys Engr	20	09APR14	06MAY14	16MAY14	0	47	8	0	0.00	1,601.04	C						EE//EM =08 ;			
247000951	Control Sys Commissioning	40	07MAY14	02JUL14	15JUL14	66	47	8	0	0.00	7,135.20	C						EE//EM =24 ; EE//TB =24 ;			
247000960	Coil Protection Engr	20	09APR14	06MAY14	16MAY14	0	47	8	0	0.00	1,601.04	C						EE//EM =08 ;			
247000971	Coil Protection Commissioning	40	07MAY14	02JUL14	15JUL14	66	47	8	0	0.00	7,135.20	C						EE//EM =24 ; EE//TB =24 ;			
FY092470	FY09 Actual Cost	22*	23FEB09A	30SEP09A	30SEP09A			0	100	115,170.00	115,170.00	C									
FY102470	FY10 Actual Cost	143	01OCT09A	30APR10A	30APR10A			0	100	78,528.00	78,528.00	C									
FY102470A	FY10 Actual Cost	110	03MAY10A	30SEP10A	30SEP10A			0	100	12,565.00	12,565.00	C									
<b>Job: 2475 - 2nd NBI Controls-CROPPER</b>																					
<b>System Testing</b>																					
FY102475A	FY10 Actual Cost	110	03MAY10A	30SEP10A	30SEP10A			0	100	1,855.00	1,855.00	C									
<b>Control System Layout</b>																					
2475-0002	Control System Lay Out-NBI-Controls & Instrument	30	03MAY10A	14JUN10A	14JUN10A			0	100	0.00	0.00	C									
2475-0003	Update Cost & Sched Estimate-NBI-Control & Instrm	5	08JUN10A	14JUN10A	14JUN10A			0	100	0.00	0.00	C									
2475-0004	FMEA Analysis-NBI-Controls & Instrumentation	5	08JUN10A	14JUN10A	14JUN10A			0	100	0.00	0.00	C									
2475-0005	Design Drawings-NBI-Controls & Instrumentation	30	03MAY10A	14JUN10A	14JUN10A			0	100	0.00	0.00	C									
2475-0006	PDR Prep PPL-NBI-Controls & Instrumentation	6	15JUN10A	22JUN10A	22JUN10A			0	100	0.00	0.00	C									
2475-0009	CONDUCT PDR-NBI-Controls & Instrumentation	1	23JUN10A	23JUN10A	23JUN10A			0	100	0.00	0.00	C									
2475-0012	Disposition PDR Chits-NBI-Controls & Instrum	10	23JUN10A	28JUN10A	28JUN10A			0	100	0.00	0.00	C									
2475-0018	Protective Plate Interlocks-Prep Dwgs & Signoff	192*	03JAN11A	30SEP11	31MAR11	0	141	-128	40	9,940.48	24,851.20	C						EE//SM =160 ;			
2475-0102	PLC Control System Layout-Prep Dwgs & Signoff	296*	28JUL10A	30SEP11	28FEB11	0	190	-151	50	9,206.84	18,179.67	C						EE//SM =120 ;			
2475-0103	Remote LCC Control Sys Layout-Prep Dwgs & Signof	209*	01DEC10A	30SEP11	14MAR11	0	190	-141	50	3,106.40	6,212.80	C						EE//SM =40 ;			
2475-0104	TC scanners/Beamline/P.P-Prep Dwgs & Signoff	192*	03JAN11A	30SEP11	04APR11	0	190	-126	45	5,591.52	12,425.60	C						EE//SM =80 ;			
2475-0105	NBOS Station - Control System Layout	10	19SEP11	30SEP11	18APR11	186	190	-116	0	0.00	6,212.80	C						EE//SM =40 ;			
2475-0106	DWGS CWD's & Cable Diagram-Prep Dwgs & Signoff	250*	01OCT10A	30SEP11	20MAY11	0	190	-92	40	55,750.40	139,376.00	C						EE//SM =640 ; EA//SB=320			
<b>Final Design</b>																					
2475-0110	Design Drawings-NBI-Controls & Instrumentation	272*	29JUN10A	29JUL11	20MAY11	0	234	-48	20	4,876.68	24,283.13	C						EE//SM =160 ;			
2475-0110A	Update Cost & Sched Estimate-NBI-Controls & Instr	5	31MAY11*	06JUN11	27MAY11	0	121	-5	0	0.00	6,212.80	C						EE//SM =40 ;			
2475-0110B	FDR Prep PPL-NBI-Controls & Instrumentation	10*	07JUN11	20JUN11	13JUN11	0	121	-5	0	0.00	7,455.36	C						EE//SM =48 ;			
2475-0111	CONDUCT FDR-NBI-Controls & Instrumentation	3	22JUN11*	24JUN11	14JUN11	14	121	-8	0	0.00	1,242.56	C						EE//SM =08 ;			
2475PEER	Peer Review	0		14APR11A	31MAR11			-10	100	0.00	0.00	B									
<b>Procurement</b>																					
2475-0116	Prep Requisition and procurement package	5	02JUL12*	09JUL12	09JUL12	0	4	0	0	0.00	6,813.20	C						EE//SM =40 ;			
2475-0117	SUBMIT REQ TO PROCUREMENT	1	10JUL12	10JUL12	10JUL12	0	4	0	0	0.00	1,362.64	C						EE//SM =08 ;			

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY								
													FY11	FY12	FY13	FY14	FY15				
2475-0118	Procurement lead time (1)	15	11JUL12	31JUL12	31JUL12	0	4	0	0	0.00	0.00	C									
2475-0119	AWARD-NBI-Controls & Instrumentation	1	01AUG12	01AUG12	01AUG12	0	4	0	0	0.00	0.00	C									
2475-0120	Fabricate or delivery--NBI-Controls & Instrument	40	02AUG12	27SEP12	27SEP12	0	4	0	0	0.00	555,990.00	C									
<b>Fab/Assembly</b>																					
2475-0123	Fab/Assy Procedure	5	21SEP12	27SEP12	27SEP12	0	4	0	0	0.00	6,813.20	C									
2475-0125	Cable Tray - Fab/Assembly	40	28SEP12*	26NOV12	26NOV12	0	4	0	0	0.00	71,054.56	C									
2475-0126	Gradient Grid divider - Fab/Assembly	20	27NOV12	02JAN13	02JAN13	0	4	0	0	0.00	64,327.44	C									
2475-0127	Control Rack Cage - Fab/Assembly	5	03JAN13	09JAN13	09JAN13	0	4	0	0	0.00	10,277.68	C									
2475-0128	Rack relocation - Fab/Assembly	25	10JAN13*	13FEB13	13FEB13	0	4	0	0	0.00	73,946.00	C									
2475-0129	Penetrations - Fab/Assembly	5	14FEB13*	20FEB13	20FEB13	0	4	0	0	0.00	63,077.68	C									
2475-0130	Disconnect remote control	20	21FEB13	20MAR13	20MAR13	0	4	0	0	0.00	22,068.64	C									
<b>Installation</b>																					
2475-0133	Installation Procedures	10	07MAR13	20MAR13	20MAR13	0	4	0	0	0.00	12,550.80	C									
2475-0134	Beam Line Cabling - Installation	80	21MAR13	15JUL13	15JUL13	0	4	0	0	0.00	283,335.68	C									
2475-0135	Aux Cabling - Installation	20	16JUL13	12AUG13	12AUG13	0	4	0	0	0.00	89,104.80	C									
2475-0136	Protective Plate Interlocks(I/P Pyrometer/IR Cam	20	13AUG13	10SEP13	10SEP13	0	4	0	0	0.00	37,033.20	C									
2475-0137	TC Scanners - beamline & Protective Plates-Instl	40	11SEP13	05NOV13	05NOV13	0	4	0	0	0.00	45,532.34	C									
2475-0138	NBOS Station - Installation	10	06NOV13	19NOV13	19NOV13	0	4	0	0	0.00	29,931.20	C									
2475-0139	LCC Remote - Installation	40	20NOV13	28JAN14	28JAN14	0	4	0	0	0.00	161,713.60	C									
2475-0140	Power Supply Upgrade - Installation	23	29JAN14	28FEB14	28FEB14	0	4	0	0	0.00	63,156.96	C									
2475-0141	Protective Plate TC's - Installation	10	03MAR14	14MAR14	14MAR14	0	4	0	0	0.00	12,088.80	C									
<b>Programing</b>																					
2475-0144	PLC & RSView Programing-NBI-Controls & Instrumen	40	03OCT13*	27NOV13	27NOV13	87	91	0	0	0.00	57,536.00	C									
2475-0145	Beamline TC Scanner Program-NBI-Controls & Instr	20	06NOV13*	05DEC13	05DEC13	30	47	0	0	0.00	27,398.40	C									
2475-0146	Protective Plate TC Scanner Program-NBI-Controls	20	17MAR14	11APR14	11APR14	0	4	0	0	0.00	27,398.40	C									
2475-0147	LCC Remote LabView Programing-NBI-Controls/Instr	40	29JAN14	25MAR14	25MAR14	13	17	0	0	0.00	50,481.60	C									
<b>Testing</b>																					
2475-0149	PTP Testing	20	14APR14	09MAY14	09MAY14	0	4	0	0	0.00	67,398.40	C									
<b>Commissioning in Ops</b>																					
2475-0154	Commissioning & Testing of 4A Power System	20	12MAY14	09JUN14	09JUN14	0	4	0	0	0.00	0.00	C									
2475-0155	Commissioning & Testing of 4B Power System	20	10JUN14	08JUL14	08JUL14	0	4	0	0	0.00	0.00	C									
2475-0156	Commissioning & Testing of 4C Power System	20	09JUL14	05AUG14	05AUG14	0	4	0	0	0.00	0.00	C									
2475-0157	40 kv Beam Operation	20	06AUG14	03SEP14	03SEP14	23	4	0	0	0.00	0.00	C									
<b>Job: 2480 - 2nd NBI/TVPS Duct &amp; VV-DENAULT</b>																					
<b>Design</b>																					
2480-0024	New Coil Comonents F/J-K RWM Coil Re Dsgn	22	03MAY10A	02JUN10A	02JUN10A			0	100	0.00	0.00	C									
2480-0025	Seismic Analysis	5	03MAY10A	07MAY10A	07MAY10A			0	100	0.00	0.00	C									

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY									
													FY11	FY12	FY13	FY14	FY15					
2480-0027	PDR Prep - Duct & VV Mods	36	03MAY10A	22JUN10A	22JUN10A			0	100	0.00	0.00	C										
2480-0028	CONDUCT PDR - Duct & VV Mods	1	23JUN10A	23JUN10A	23JUN10A			0	100	0.00	0.00	C										
2480-0029	Disposition PDR Chits - Final Design	84*	03JUN10A	30SEP10A	30SEP10A			0	100	0.00	0.00	C	EM//EM =158 ; EA//ES =132 ; EA//EM =26 ;									
2480-0029A	Installation Prototype	166*	18OCT10A	17JUN11	28FEB11	0	123	-78	50	10,652.28	21,304.56	C	EM//EM =36 ; em//tb=100; 41=5,000									
2480-0030	J-K Cap/Installation Procedure	210*	16AUG10A	17JUN11	28FEB11	0	123	-78	40	10,668.13	26,539.92	C	EM//EM =48 ; EA//ES =48 ; 35=12,000 ;									
2480-0031	K- Port Extension	41*	16AUG10A	30SEP10A	30SEP10A			0	100	0.00	0.00	C	EM//EM =14 ; EA//ES =14 ;									
2480-0032	NB- Ceramic-Break	47*	16AUG10A	30SEP10A	30SEP10A			0	100	0.00	0.00	C	EM//EM =12 ; EA//ES =12 ;									
2480-0033	Spool Piece/Round Bellows	52*	16AUG10A	30SEP10A	30SEP10A			0	100	0.00	0.00	C	EM//EM =02 ; EA//ES =10 ;									
2480-0034	Rectangular Bellows Assembly	210*	16AUG10A	17JUN11	31MAR11	0	123	-55	95	2,227.02	2,264.44	C	EM//EM =04 ; EA//ES =20 ;									
2480-0035	Design Drawings - Final Design	172*	16AUG10A	31DEC10A	15APR11			75	100	41,513.09	41,081.36	C	EM//EM =72 ; EA//ES =360 ;									
2480-0037	Update Analysis - Final Design	156*	01NOV10A	17JUN11	13MAY11	0	123	-24	90	8,929.93	9,922.14	C	EA//EM =40 ; EM//EM =14 ;									
2480-0038	Update Cost & Sched Estimate - Final Dsgn	156*	01NOV10A	17JUN11	13MAY11	0	123	-24	40	1,265.68	3,164.20	C	EM//EM =20 ;									
2480-0039	FDR Prep-Duct & VV Mods	21	19MAY11	17JUN11	13JUN11	2	123	-4	0	0.00	8,859.76	C	EM//EM=56									
2480-0040	CONDUCT FDR-Duct & VV Mods	3	22JUN11*	24JUN11	14JUN11*	0	121	-8	0	0.00	1,265.68	C	EM//EM =08 ;									
2480-0041	Disposition FDR Chits	33	27JUN11*	11AUG11	01AUG11	327	328	-8	0	0.00	24,523.00	C	EM//EM =100 ; EA//ES =100 ;									
2480PEER	Peer review	0		14APR11A	31MAR11			-10	100	0.00	0.00	B										
<b>Procure, Fab &amp; Assembly</b>																						
2480-0042	Prep Req & Procurement Pckg	30	03DEC12*	22JAN13	22JAN13	0	1	0	0	0.00	8,502.72	C										
2480-0044	Submit Req to Procurement - 40" VAT Valves (2)	1	01FEB13*	01FEB13	01FEB13	0	36	0	0	0.00	1,417.12	C	EM//EM =48 ;									
2480-0045	Procurement Lead Times - 40" VAT Valves (2)	25	04FEB13	08MAR13	08MAR13	0	36	0	0	0.00	0.00	C	EM//EM =08 ;									
2480-0046	Award - - 40" VAT Valves (2)	3	11MAR13	13MAR13	13MAR13	0	36	0	0	0.00	0.00	C										
2480-0047	Fabricate / Delivery - 40" VAT Valves (2)	180	14MAR13	26NOV13	26NOV13	35	36	0	0	0.00	331,708.33	C	41=250,000 ;									
2480-0049	Submit Req to Procurement - 40" Bellows Section	1	23JAN13*	23JAN13	23JAN13	0	1	0	0	0.00	1,417.12	C	EM//EM =08 ;									
2480-0050	Procurement Lead Time - 40" Bellows Section	25	24JAN13	27FEB13	27FEB13	0	1	0	0	0.00	0.00	C										
2480-0051	Award - 40" Bellows Section	3	28FEB13	04MAR13	04MAR13	0	1	0	0	0.00	0.00	C										
2480-0052	Fabricate / Delivery - 40" Bellows Section	130	05MAR13	06SEP13	06SEP13	0	1	0	0	0.00	272,640.00	C	41=200,000 ; 48=8,000 ;									
2480-0054	Submit Req to Proc-Rectangular Bellows Section	1	03JAN12*	03JAN12	03JAN12	0	89	0	0	0.00	1,387.92	C	EM//EM =08 ;									
2480-0055	Procurement Lead Time-Rectangular Bellows Sectn	25	04JAN12	07FEB12	07FEB12	87	89	0	0	0.00	0.00	C										
2480-0056	Award-Rectangular Bellows Section	1	11JUN12*	11JUN12	11JUN12	0	2	0	0	0.00	0.00	C										
2480-0057	Fabricate / Delivery-Rectangular Bellows Section	400	12JUN12	27JAN14	27JAN14	0	2	0	0	0.00	507,828.38	C	41=400,000 ; 48=15,000									
2480-0059	Prep Req & Procurement Pckg - Vessel Cap & Port E	8	02APR12*	11APR12	10AUG12	0	195	85	0	0.00	11,103.36	C	EM//EM =64 ;									
2480-0060	Submit Req to Procurement - Vessel Cap & Port Ex	1	12APR12	12APR12	13AUG12	0	195	85	0	0.00	693.96	C	EM//EM =04 ;									
2480-0061	Procurement Lead Times - Vessel Cap & Port Exten	25	13APR12	17MAY12	18SEP12	93	195	85	0	0.00	0.00	C										
2480-0062	Award - Vessel Cap & Port Extension	1	01OCT12*	01OCT12	01OCT12	0	102	0	0	0.00	0.00	C										
2480-0063	Fabricate / Delivery - Vessel Cap & Port Extensn	180	02OCT12*	24JUN13	24JUN13	0	102	0	0	0.00	142,640.00	K	41=100,000 ; 35=8,000 ;									
2480-0064	Prep Req & Procurement Pckg - Spool Piece	5	01JUN12*	07JUN12	07JUN12	0	257	0	0	0.00	5,204.70	C	EM//EM =30 ;									
2480-0065	Submit Req to Procurement - Spool Piece	1	08JUN12	08JUN12	08JUN12	0	257	0	0	0.00	693.96	C	EM//EM =04 ;									
2480-0066	Procurement Lead Times - Spool Piece	25	11JUN12	16JUL12	16JUL12	55	257	0	0	0.00	0.00	C										
2480-0067	Award - Spool Piece	1	03OCT12*	03OCT12	03OCT12	0	202	0	0	0.00	0.00	C										

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													FY11	FY12	FY13	FY14	FY15					
2480-0068	Fabricate / Delivery - Spool Piece	120	04OCT12*	02APR13	02APR13	201	202	0	0	0.00	79,200.00	C										
2480-0070	Fabricate / Delivery - RWM Coil Mtrl (cooper)	100	23JAN13*	12JUN13	12JUN13	139	142	0	0	0.00	17,257.12	C										
2480-0072	Prep Req & Procurement Pkg-Raw Material f/Duct	3	01OCT12*	03OCT12	03OCT12	0	183	0	0	0.00	3,188.52	C										
2480-0073	Submit Req to Procurement -Other Material f/Duct	1	04OCT12	04OCT12	04OCT12	0	183	0	0	0.00	708.56	C										
2480-0074	Procurement Lead Time - Other Material for Duct	25	05OCT12	08NOV12	08NOV12	0	183	0	0	0.00	0.00	C										
2480-0075	Award - Other Material for Duct	1	09NOV12	09NOV12	09NOV12	0	183	0	0	0.00	0.00	C										
2480-0076	Fabricate / Delivery-Other Mtrl f/Duct	100	12NOV12*	11APR13	11APR13	0	183	0	0	0.00	132,000.00	K										
<b>Installation</b>																						
2480-0077	Installation Procedure - Duct & VV Mods	60	01APR13*	24JUN13	24JUN13	0	32	0	0	0.00	28,174.08	C										
2480-0078	Installation Material - Duct & VV Mods	20	25JUN13*	24JUL13	24JUL13	31	32	0	0	0.00	26,400.00	C										
2480-0078A	Duct Cladding Installation	10	12APR13	25APR13	25APR13	190	191	0	0	0.00	8,081.92	C										
2480-0081	Install Vessel Supports/Prep Machine	12	09SEP13	24SEP13	24SEP13	0	1	0	0	0.00	15,205.26	C										
2480-0082	Remove Bay-K Nozzle	8	25SEP13	04OCT13	04OCT13	0	1	0	0	0.00	10,945.20	C										
2480-0083	Cut J-K opening	30	07OCT13	15NOV13	15NOV13	0	1	0	0	0.00	97,336.00	C										
2480-0084	Fit Up/Install Cap	25	18NOV13	03JAN14	03JAN14	0	1	0	0	0.00	49,598.80	C										
2480-0085	Install Duct Supports	3	06JAN14	08JAN14	08JAN14	0	1	0	0	0.00	3,696.64	C										
2480-0086	Install K Extension	2	09JAN14	10JAN14	10JAN14	0	1	0	0	0.00	2,203.72	C										
2480-0086A	RWM Coil Installation	10	13JAN14	24JAN14	24JAN14	2	3	0	0	0.00	12,203.92	C										
2480-0088	Make up NB2 Transition Duct	7	13JAN14*	21JAN14	21JAN14	0	1	0	0	0.00	10,056.36	C										
2480-0089	Leak Check Duct	5	22JAN14	28JAN14	28JAN14	0	1	0	0	0.00	4,593.60	C										
2480-0090	Install Transition Duct	5	29JAN14	04FEB14	04FEB14	0	1	0	0	0.00	9,187.20	C										
2480-0091	Install, Connect Bake Out Lines	1	05FEB14	05FEB14	05FEB14	0	1	0	0	0.00	1,101.86	C										
2480-0092	PTP Testing - Duct & VV Mods	5	06FEB14	12FEB14	12FEB14	0	1	0	0	0.00	3,643.60	C										
FY092480	FY09 Actual Cost	22*	23FEB09A	30SEP09A	30SEP09A			0	100	183,352.00	183,352.00	C										
FY102480	FY10 Actual Cost	143	01OCT09A	30APR10A	30APR10A			0	100	101,704.00	101,704.00	C										
FY102480A	FY10 Actual Cost	110	03MAY10A	30SEP10A	30SEP10A			0	100	35,090.00	35,090.00	C										
<b>Job: 2485 - Vacuum Pumping System-BLANCHARD</b>																						
<b>Design</b>																						
2485-0013	PDR Prep	10	09JUN10A	22JUN10A	22JUN10A			0	100	0.00	0.00	C										
2485-0014	CONDUCT PDR	2	23JUN10A	24JUN10A	24JUN10A			0	100	0.00	0.00	C										
2485-0015	Disposition PDR Chits	15	25JUN10A	16JUL10A	16JUL10A			0	100	0.00	0.00	C										
2485-0016	Vacuum Diagnostic Layout	29*	14MAR11A	21APR11A	28MAR11			-18	100	4,050.32	4,050.32	C										
2485-0016A	Magnetic Shielding Conceptual Design	143	01SEP10A	12NOV10A	12NOV10A			0	100	5,887.05	5,887.05	C										
2485-0016B	Magnetic Shielding Final Design	79*	03JAN11A	21APR11A	16FEB11			-46	100	9,036.20	9,036.20	C										
2485-0017	Design Drawings	218*	19JUL10A	01JUN11	19MAY11	0	135	-8	40	4,766.89	11,908.32	C										
2485-0018	Update Cost & Schedule Estimate	133*	01NOV10A	16MAY11	26MAY11	0	146	8	25	1,582.10	6,328.40	C										
2485-0019	FDR Prep	34*	02MAY11	17JUN11	10JUN11	0	123	-5	0	0.00	0.00	C										

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													FY11	FY12	FY13	FY14	FY15
2485-0020	CONDUCT FDR	3	22JUN11*	24JUN11	14JUN11	0	121	-8	0	0.00	0.00	C					
2485-0021	FDR Chit Resolution (All Areas)	20	27JUN11*	25JUL11	13JUL11	545	553	-8	0	0.00	19,618.40	C					
2485PEER	Peer Review	0		14APR11A	31MAR11			-10	100	0.00	0.00	B					
<b>Procure, Fab &amp; Assembly</b>																	
2485-0022	Prep Req & proc pkg - 3200i/s TMPx2	4	01OCT13*	04OCT13	04OCT13	0	8	0	0	0.00	3,662.80	C					
2485-0023	SUBMIT REQ TO PROC - 3200i/s TMPx2	1	07OCT13	07OCT13	07OCT13	0	69	0	0	0.00	183.14	C					
2485-0024	Procurement lead time (1) - 3200i/s TMPx2	15	08OCT13	28OCT13	28OCT13	0	69	0	0	0.00	0.00	C					
2485-0025	AWARD - 3200i/s TMPx2	1	29OCT13	29OCT13	29OCT13	0	69	0	0	0.00	0.00	C					
2485-0026	Fabricate or delivery - 3200i/s TMPx2	90	30OCT13	18MAR14	18MAR14	0	69	0	0	0.00	87,750.00	C					
2485-0028	Prep Req & proc pkg - New VAT Valves	2	07OCT13	08OCT13	08OCT13	0	8	0	0	0.00	366.28	C					
2485-0029	SUBMIT REQ TO PROC- New VAT Valves	1	09OCT13	09OCT13	09OCT13	0	77	0	0	0.00	183.14	C					
2485-0030	Procurement lead time (1)- New VAT Valves	15	10OCT13	30OCT13	30OCT13	0	77	0	0	0.00	0.00	C					
2485-0031	AWARD- New VAT Valves	1	31OCT13	31OCT13	31OCT13	0	77	0	0	0.00	0.00	C					
2485-0032	Fabricate or delivery - New VAT Valves	80	01NOV13	06MAR14	06MAR14	8	77	0	0	0.00	29,700.00	C					
2485-0034	Prep Req & proc pkg - Vacuum Instrumentation	4	10OCT13	15OCT13	15OCT13	0	85	0	0	0.00	3,662.80	C					
2485-0035	SUBMIT REQ TO PROC- Vacuum Instrumentation	1	16OCT13	16OCT13	16OCT13	0	85	0	0	0.00	183.14	C					
2485-0036	Procurement lead time (1)- Vacuum Instrumentatn	15	17OCT13	06NOV13	06NOV13	0	85	0	0	0.00	0.00	C					
2485-0037	AWARD- Vacuum Instrumentation	1	07NOV13	07NOV13	07NOV13	0	85	0	0	0.00	0.00	C					
2485-0038	Fabricate or delivery - Vacuum Instrumentation	90	08NOV13	27MAR14	27MAR14	77	85	0	0	0.00	5,400.00	C					
2485-0040	Prep Req & proc pkg - Misc Mtrl/Comp for Ducts	4	09OCT13	14OCT13	14OCT13	0	8	0	0	0.00	2,380.82	C					
2485-0041	SUBMIT REQ TO PROC - Misc Mtrl/Comp for Ducts	1	15OCT13	15OCT13	15OCT13	0	8	0	0	0.00	183.14	C					
2485-0042	Procurement lead time (1) - Mtrl/Comp for Duct	15	16OCT13	05NOV13	05NOV13	0	8	0	0	0.00	0.00	C					
2485-0043	AWARD - Misc Mtrl/Comp for Ducts	1	06NOV13	06NOV13	06NOV13	0	8	0	0	0.00	0.00	C					
2485-0044	Fabricate or delivery - Misc Mtrl/Comp for Ducts	70	07NOV13	26FEB14	26FEB14	14	83	0	0	0.00	32,400.00	C					
2485-0044A	Fabricate or delivery - All Other Mtrl/Component	160	07NOV13*	03JUL14	03JUL14	0	8	0	0	0.00	44,162.80	K					
<b>Installation</b>																	
2485-0046	Installation Procedure	10	07OCT13*	18OCT13	18OCT13	97	166	0	0	0.00	7,325.60	C					
2485-0047	Pre-Assemble Duct Legs 1 and 2	15	19MAR14*	08APR14	08APR14	61	69	0	0	0.00	27,523.68	C					
2485-0048	Leak Checking	3	31JUL14	04AUG14	04AUG14	7	15	0	0	0.00	1,378.08	C					
2485-0049	Install TVPS Supports/	8	07JUL14	16JUL14	16JUL14	0	8	0	0	0.00	15,097.24	C					
2485-0050	Install Ducts/Pumps	10	17JUL14*	30JUL14	30JUL14	0	8	0	0	0.00	14,687.44	C					
2485-0050A	Install Vacuum Instrumentation	10	31JUL14	13AUG14	13AUG14	0	8	0	0	0.00	18,250.00	C					
2485-0051	PTP Testing	10	14AUG14	27AUG14	27AUG14	27	8	0	0	0.00	2,920.64	C					
FY102485	FY10 Actual Cost	40	01MAR10A	30APR10A	30APR10A			0	100	5,206.00	5,206.00	C					
FY102485A	FY10 Actual Cost	110	03MAY10A	30SEP10A	30SEP10A			0	100	28,285.00	28,285.00	C					
<b>Job: 2490 - NTC Equip Relocations-PERRY</b>																	
<b>Removal Procedures</b>																	
24910010	Prep procd rack 419 removal - UCLA Reflectometer	142*	14MAR11A	30SEP11	05OCT11	0	283	3	50	1,888.56	4,141.92	C					
24910160	Prep procedure rack 440 removal-SPRED & VIPS	142*	14MAR11A	30SEP11	10OCT11	0	283	6	50	1,888.56	4,141.92	C					

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	Fiscal Year										
													FY11	FY12	FY13	FY14	FY15						
24910210	Prep procedure rack 441-445 removal-VV ion gages	142*	14MAR11A	30SEP11	13OCT11	0	283	9	50	1,888.56	4,141.92	C											
24910260	Prep procedure rack 447-448 removal-Fiber Optics	142*	14MAR11A	30SEP11	18OCT11	0	283	12	50	1,888.56	4,141.92	C											
24910310	Prep procedure rack 449 removal - Glow Discharge	142*	14MAR11A	30SEP11	21OCT11	0	283	15	50	1,888.56	4,141.92	C											
24910360	Prep proced rack 456 removal-Xray Crystal Spectr	142*	14MAR11A	30SEP11	26OCT11	0	283	18	50	1,888.56	4,141.92	C											
24910380	Prp procd rack 488 remv-Dep monitr/frst xray/NPA	142*	14MAR11A	30SEP11	31OCT11	0	283	21	50	1,888.56	4,141.92	C											
24910430	Prep procedure rack 489 removal - NPA	142*	14MAR11A	30SEP11	03NOV11	0	283	24	50	1,888.56	4,141.92	C											
24910450	Prep procedure rack removal - PSI Camera	142*	14MAR11A	30SEP11	08NOV11	0	283	27	50	1,888.56	4,141.92	C											
24910500	Prp procd rack removal -Ultra Fast X-ray Camera	142*	14MAR11A	30SEP11	11NOV11	0	283	30	50	1,888.56	4,141.92	C											
24910550	Prep procd rack removal-Transmsn Grating Spectro	142*	14MAR11A	30SEP11	16NOV11	0	283	33	50	1,888.56	4,141.92	C											
24910700	Prp procd equipt removal Bay J-Two gas injectors	142*	14MAR11A	30SEP11	17NOV11	0	283	34	50	632.84	1,387.92	C											
24910750	Prep procd equipment removal Bay J - Reflectomer	142*	14MAR11A	30SEP11	18NOV11	0	283	35	50	632.84	1,387.92	C											
24910800	Prep procdur equipment removal Bay J - Bolometer	142*	14MAR11A	30SEP11	21NOV11	0	283	36	50	632.84	1,387.92	C											
24910850	Prep procedure equipment removal Bay J - RF Prove	142*	14MAR11A	30SEP11	22NOV11	0	283	37	50	632.84	1,387.92	C											
24910900	Prep procedure equipment removal Bay J - S-Flip	142*	14MAR11A	30SEP11	23NOV11	0	283	38	50	632.84	1,387.92	C											
24910950	Prep procedure equipment removal Bay J - SSNPA	142*	14MAR11A	30SEP11	28NOV11	0	283	39	50	632.84	1,387.92	C											
24911000	Prp procd equipt removal Bay J-Re-entrant Window	142*	14MAR11A	30SEP11	29NOV11	0	283	40	50	632.84	1,387.92	C											
24911050	Prp procd equipt removal Bay K-High K Scattering	142*	14MAR11A	30SEP11	06DEC11	0	283	45	50	3,164.20	6,939.60	C											
24911070	Prep procedure equipment removal Bay K - FireTips	142*	14MAR11A	30SEP11	13DEC11	0	283	50	50	3,164.20	6,939.60	C											
24911090	Prep procdur equipment removal Bay K - PSI Camera	142*	14MAR11A	30SEP11	16DEC11	0	283	53	50	1,898.52	4,163.76	C											
24911110	Prp procedure equipment removal Bay K - NPA	142*	14MAR11A	30SEP11	23DEC11	0	283	58	50	3,164.20	6,939.60	C											
24911130	Prp procd equipt remov Bay K-Ultra Fast Xray Cam	142*	14MAR11A	30SEP11	03JAN12	0	283	59	50	632.84	1,387.92	C											
24911150	Prp procd equipt removal Bay K-IR Window f/Camra	142*	14MAR11A	30SEP11	04JAN12	0	283	60	50	632.84	1,387.92	C											
24911200	Prp procd equip removal Bay K-Trans Grating Spec	142*	14MAR11A	30SEP11	05JAN12	0	283	61	50	632.84	1,387.92	C											
24911250	Prep procd EQ remval Bay L pmp duct-VV Ion Gages	142*	14MAR11A	30SEP11	09JAN12	0	283	63	50	1,265.68	2,775.84	C											
24911300	Prp procd EQ rem BayL pmp duct-X-ray Crystal Spe	142*	14MAR11A	30SEP11	10JAN12	0	283	64	50	632.84	1,387.92	C											
24911320	Prep procedu equip removal Bay L pump duct-SPRED	142*	14MAR11A	30SEP11	11JAN12	0	283	65	50	632.84	1,387.92	C											
24911390	Prep procedure equip removal Bay L pump duct-RGA	142*	14MAR11A	30SEP11	13JAN12	0	283	67	50	1,265.68	2,775.84	C											
24911460	Prep procdur equip removal Bay L pump duct-LOWEUS	142*	14MAR11A	30SEP11	16JAN12	0	283	68	50	632.84	1,387.92	C											
24911630	Prp procd EQ remov Bay L pmp duct-MPTS Beam Dump	142*	14MAR11A	30SEP11	17JAN12	0	283	69	50	632.84	1,387.92	C											
24911642	Prp procd EQ remov Bay L pmp duct-Pump Duct	142*	14MAR11A	30SEP11	23JAN12	0	283	73	50	632.84	1,387.92	C											
24911750	Prep procdur Power/Ground/Light @ Platform W NTC	142*	14MAR11A	30SEP11	30JAN12	0	283	78	50	3,127.72	6,859.84	C											
24911820	Prp procd EQ Remov Misc. - Gas Delivery System	142*	14MAR11A	30SEP11	31JAN12	0	283	79	50	632.84	1,387.92	C											
24911840	Prp procd EQ Remov Misc. - NW Sect 109' Platform	142*	14MAR11A	30SEP11	02FEB12	0	283	81	50	1,265.68	2,775.84	C											
24911860	Prp procd EQ Remov Misc. - Convenience Outlets	142*	14MAR11A	30SEP11	09FEB12	0	283	86	50	3,164.20	6,939.60	C											
24911880	Prp procd EQ Remov Misc. - Cat 3 & Cat 4 Bus	142*	14MAR11A	30SEP11	16FEB12	0	283	91	50	3,164.20	6,939.60	C											
24911900	Prp procd EQ Remv Misc-Lights/E-stops/Fire Alarm	142*	14MAR11A	30SEP11	24FEB12	0	283	97	50	3,797.04	8,327.52	C											
24911920	Prp procd EQ Rem Misc-Glow Disch Splice Box/Disc	142*	14MAR11A	30SEP11	28FEB12	0	283	99	50	1,265.68	2,775.84	C											
<b>Removals</b>																							
24910019	BEGIN DIAG REMOVALS	0		02APR12*	02APR12*	0	160	0	0	0.00	0.00	B											
24910020	Remove rack 419 - UCLA Reflectometer	4	03APR12	06APR12	06APR12	0	160	0	0	0.00	8,472.20	C											
24910170	Remove rack 440 - SPRED and VIPS	8	09APR12	18APR12	18APR12	0	160	0	0	0.00	14,639.60	C											

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY										
													FY11	FY12	FY13	FY14	FY15						
24910220	Remove rack 441-445 - VV ion gages, RGA	15	19APR12	09MAY12	09MAY12	0	160	0	0	0.00	31,761.16	C											
24910270	Remove rack 447-448 - Fiber Optics	5	10MAY12	16MAY12	16MAY12	0	160	0	0	0.00	11,593.48	C											
24910320	Remove rack 449 - Glow Discharge	10	17MAY12	31MAY12	31MAY12	0	160	0	0	0.00	21,677.32	C											
24910370	Remove rack 456 --Xray Crystal Spectr	7	01JUN12	11JUN12	11JUN12	0	160	0	0	0.00	15,074.76	C											
24910390	Remove rack 488 - Depositn monitor/fast xray/NPA	7	12JUN12	20JUN12	20JUN12	0	160	0	0	0.00	15,074.76	C											
24910440	Remove rack 489 - NPA	10	21JUN12	05JUL12	05JUL12	0	160	0	0	0.00	21,677.32	C											
24910460	Remove rack - PSI Camera	2	06JUL12	09JUL12	09JUL12	0	160	0	0	0.00	4,990.92	C											
24910510	Remove rack - Ultra Fast X-ray Camera	2	10JUL12	11JUL12	11JUL12	0	160	0	0	0.00	4,990.92	C											
24910560	Remove rack - Transmission Grating Spectrometer	3	12JUL12	16JUL12	16JUL12	0	160	0	0	0.00	6,731.56	C											
24910690	Moving equipment In & Out of NTC	6	17JUL12	24JUL12	24JUL12	0	160	0	0	0.00	13,205.12	C											
24910710	Remove Bay J - Two gas injectors	1	25JUL12	25JUL12	25JUL12	0	160	0	0	0.00	1,869.64	C											
24910760	Remove Bay J - Reflectomer	1	26JUL12	26JUL12	26JUL12	0	160	0	0	0.00	1,869.64	C											
24910810	Remove Bay J - Bolometer	1	27JUL12	27JUL12	27JUL12	0	160	0	0	0.00	1,869.64	C											
24910860	Remove Bay J - RF Prove	1	30JUL12	30JUL12	30JUL12	0	160	0	0	0.00	1,869.64	C											
24910910	Remove Bay J - S-Flip	1	31JUL12	31JUL12	31JUL12	0	160	0	0	0.00	1,869.64	C											
24910960	Remove Bay J - SSNPA	1	01AUG12	01AUG12	01AUG12	0	160	0	0	0.00	999.32	C											
24911010	Remove Bay J - Re-entrant Window	1	02AUG12	02AUG12	02AUG12	0	160	0	0	0.00	999.32	C											
24911060	Remove Bay K - High K Scattering	10	03AUG12	16AUG12	16AUG12	0	160	0	0	0.00	34,941.80	C											
24911080	Remove Bay K - FireTips	5	17AUG12	23AUG12	23AUG12	0	160	0	0	0.00	17,535.40	C											
24911100	Remove Bay K - PSI Camera	4	24AUG12	29AUG12	29AUG12	0	160	0	0	0.00	14,054.12	C											
24911120	Remove Bay K - NPA	10	30AUG12	13SEP12	13SEP12	0	160	0	0	0.00	34,941.80	C											
24911140	Remove Bay K - Ultra Fast X-ray Camera	1	14SEP12	14SEP12	14SEP12	0	160	0	0	0.00	999.32	C											
24911160	Remove Bay K - IR Window for Camera	1	17SEP12	17SEP12	17SEP12	0	160	0	0	0.00	999.32	C											
24911210	Remove Bay K - Transmission Grating Spectrometer	1	18SEP12	18SEP12	18SEP12	0	160	0	0	0.00	999.32	C											
24911260	Remove Bay Bay L pump duct-VV Ion Gages/Filament	2	19SEP12*	20SEP12	20SEP12	0	160	0	0	0.00	3,610.28	C											
24911310	Remove Bay Bay L pump duct--X-ray Crystal Spectr	1	21SEP12	21SEP12	21SEP12	0	160	0	0	0.00	2,739.96	C											
24911330	Remove Bay L pump duct-SPRED	1	24SEP12	24SEP12	24SEP12	0	160	0	0	0.00	1,869.64	C											
24911400	Remove Bay L pump duct-RGA	3	25SEP12	27SEP12	27SEP12	0	160	0	0	0.00	5,350.92	C											
24911470	Remove Bay L pump duct - LOWEUS	3	28SEP12	02OCT12	02OCT12	0	160	0	0	0.00	1,896.07	C											
24911640	Remove Bay L pump duct-MPTS Beam Dump Window	1	03OCT12	03OCT12	03OCT12	0	160	0	0	0.00	1,020.64	C											
24911646	Remove Bay L pump duct-Pump Duct	1	04OCT12	04OCT12	04OCT12	0	160	0	0	0.00	17,307.52	C											
24911830	Remove Misc. EQ. - Gas Delivery System	4	05OCT12	10OCT12	10OCT12	0	160	0	0	0.00	18,363.52	C											
24911850	Remove Misc. EQ - NW Sect 109' Platform	6	11OCT12	18OCT12	18OCT12	0	160	0	0	0.00	33,485.28	C											
24911870	Remove Misc. EQ - Convenience Outlets	10	19OCT12	01NOV12	01NOV12	0	160	0	0	0.00	23,330.72	C											
24911890	Remove Misc. EQ - Cat 3 & Cat 4 Bus	5	02NOV12	08NOV12	08NOV12	0	160	0	0	0.00	14,351.68	C											
24911910	Remove Misc. EQ-Lights/E-stops/Fire Alarm	13	09NOV12	29NOV12	29NOV12	0	160	0	0	0.00	32,715.20	C											
24911930	Remove Misc. EQ-Glow Disch Splice Box/Disc	2	30NOV12	03DEC12	03DEC12	0	160	0	0	0.00	6,287.20	C											
24919999	REMOVALS COMPLETE	0		03DEC12	03DEC12	0	160	0	0	0.00	0.00	B											
<b>Design, Procurement &amp; Fabr of Re-installations</b>																							
24910030	Dsgn rack 419 re-installation - UCLA Reflectomer	17	29SEP11*	21OCT11	21OCT11	0	73	0	0	0.00	23,741.77	C											
24910040	Prep procd rack 419 reinstaltn-UCLA Reflectomet	3	24OCT11	26OCT11	26OCT11	0	73	0	0	0.00	4,668.16	C											



Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY				
													FY11	FY12	FY13	FY14	FY15
24910080	Dsgn rack 431-435 re-installatn-VV T/C/magnetics	45	27OCT11	09JAN12	09JAN12	0	73	0	0	0.00	70,496.64	C					
24910090	Prep procd rack 431-435 reinstln-VV T/C/magnetic	5	10JAN12	16JAN12	16JAN12	0	73	0	0	0.00	6,859.84	C					
24910180	Design rack 440 re-installation - SPRED	13	17JAN12	02FEB12	02FEB12	0	73	0	0	0.00	19,587.20	C					
24910190	Prep procd rack 440 re-installatn-SPRED	3	03FEB12	07FEB12	07FEB12	0	73	0	0	0.00	4,668.16	C					
24910230	Dsgn rack 441-445 re-installatn-VV ion gages/RGA	46	08FEB12	11APR12	11APR12	0	73	0	0	0.00	65,142.48	C					
24910240	Prep procd rack 441-445 reinstln-VV ion gage/RGA	5	12APR12	18APR12	18APR12	0	73	0	0	0.00	6,859.84	C					
24910280	Design rack 447-448 re-installation-Fiber Optics	17	19APR12	11MAY12	11MAY12	0	73	0	0	0.00	23,970.56	C					
24910290	Prep procd rack 447-448 re-instaltn-Fiber Optics	3	14MAY12	16MAY12	16MAY12	0	73	0	0	0.00	4,668.16	C					
24910330	Design rack 449 re-installation - Glow Discharge	45	17MAY12	20JUL12	20JUL12	0	73	0	0	0.00	67,916.64	C					
24910340	Prep procedure rack 449 re-install-Glow Discharge	5	23JUL12	27JUL12	27JUL12	0	73	0	0	0.00	6,859.84	C					
24910400	Dsgn rack 488 reinstal-Dep monitr/fast xray	20	30JUL12	24AUG12	24AUG12	0	73	0	0	0.00	28,638.72	C					
24910410	Prp procd rck 488 reinst-Dep montr/fast xray	5	27AUG12	31AUG12	31AUG12	0	73	0	0	0.00	6,859.84	C					
24910470	Design rack re-installation - PSI Camera	20	04SEP12	01OCT12	01OCT12	0	73	0	0	0.00	28,669.56	C					
24910480	Prep procedure rack re-installation - PSI Camera	5	02OCT12	08OCT12	08OCT12	0	73	0	0	0.00	7,007.04	C					
24910520	Dsgn rack reinstallation-Ultra Fast X-ray Camera	20	09OCT12	05NOV12	05NOV12	0	73	0	0	0.00	29,255.52	C					
24910530	Prp procd rack re-install-Ultra Fast X-ray Camera	5	06NOV12	12NOV12	12NOV12	0	73	0	0	0.00	7,007.04	C					
24910570	Dsgn rack re-install- Transmissn Grating Spectrom	13	13NOV12	03DEC12	03DEC12	0	73	0	0	0.00	15,958.08	C					
24910580	Prp procd rack re-install-Transm Grating Spectrom	3	04DEC12	06DEC12	06DEC12	0	73	0	0	0.00	7,409.28	C					
24910600	Design rack re-installation -IR Camera at Bay L	12	07DEC12	02JAN13	02JAN13	0	73	0	0	0.00	18,891.84	C					
24910610	Prep procd rack re-installatn-IR Camera at Bay L	3	03JAN13	07JAN13	07JAN13	40	73	0	0	0.00	4,769.28	C					
24910630	Design rack re-installation - IR Camera at Bay K	24	01OCT12*	01NOV12	01NOV12	0	33	0	0	0.00	41,651.04	C					
24910640	Prep procedure rack re-install-IR Camera at Bay K	3	02NOV12	06NOV12	06NOV12	0	33	0	0	0.00	4,769.28	C					
24910660	Dsgn rack re-install-Reconf AC & Diagnostic Trays	45	07NOV12	21JAN13	21JAN13	0	33	0	0	0.00	79,945.44	C					
24910670	Prp procd rack re-install-Reconf AC & Diagnt Tray	5	22JAN13	28JAN13	28JAN13	0	33	0	0	0.00	7,007.04	C					
24910730	Prep procd Equipm reinstln Bay J-Two gas injectr	10	29JAN13	11FEB13	11FEB13	0	33	0	0	0.00	14,171.20	C					
24910780	Prep procd Equipm reinstln Bay J-Reflectomer	5	12FEB13	18FEB13	18FEB13	0	33	0	0	0.00	7,085.60	C					
24910830	Prep procd Equipm reinstln Bay J-Bolometer	5	19FEB13	25FEB13	25FEB13	0	33	0	0	0.00	7,085.60	C					
24910880	Prep procd Equipm reinstln Bay J-RF Prove	5	26FEB13	04MAR13	04MAR13	0	33	0	0	0.00	7,085.60	C					
24910930	Prep procd Equipm reinstln Bay J-S-Flip	5	05MAR13	11MAR13	11MAR13	0	33	0	0	0.00	7,085.60	C					
24910980	Prep procd Equipm reinstln Bay J-SSNPA	5	12MAR13	18MAR13	18MAR13	0	33	0	0	0.00	7,085.60	C					
24911030	Prep procd Equip reinst Bay J-Re-entrant Window	5	19MAR13	25MAR13	25MAR13	0	33	0	0	0.00	7,085.60	C					
24911180	Prep procd Equip reinst NB2 Duct-IR Window f/Cam	5	26MAR13	01APR13	01APR13	0	33	0	0	0.00	7,085.60	C					
24911230	Prep procd EQ reinst NB2 Duct-Trans Grating Spect	5	02APR13	08APR13	08APR13	0	33	0	0	0.00	7,085.60	C					
24911280	Prep procd EQ reinstal New pmp duct-VV Ion Gages	5	09APR13	15APR13	15APR13	0	33	0	0	0.00	7,085.60	C					
24911340	Design Equip re-installatn Bay L - SPRED	10	16APR13	29APR13	29APR13	0	33	0	0	0.00	18,274.40	C					
24911350	Prep procedure Equip re-installatn Bay L -SPRED	3	30APR13	02MAY13	02MAY13	0	33	0	0	0.00	4,773.76	C					
24911360	Procure Equipment re-installatn Bay L - SPRED	1	03MAY13	03MAY13	03MAY13	0	185	0	0	0.00	4,057.12	C					
24911370	Fabrication Equipment re-installatn Bay L-SPRED	5	06MAY13	10MAY13	10MAY13	184	185	0	0	0.00	8,886.40	C					
24911410	Prelim Design New Pump Duct - RGA	10	03MAY13	16MAY13	16MAY13	0	33	0	0	0.00	25,360.00	C					
24911420	Final Design New Pump Duct - RGA	10	17MAY13	31MAY13	31MAY13	0	33	0	0	0.00	25,360.00	C					

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY				
													FY11	FY12	FY13	FY14	FY15
24911430	Prep procd Equip reinstalltn New Pump Duct-RGA	5	03JUN13	07JUN13	07JUN13	0	33	0	0	0.00	7,011.52	C					
24911440	Procure Equipment reinstalltn New Pump Duct-RGA	1	10JUN13	10JUN13	10JUN13	164	165	0	0	0.00	11,977.12	C					
24911480	Design Bay L - LOWEUS	10	10JUN13	21JUN13	21JUN13	0	33	0	0	0.00	18,274.40	C					
24911490	Prep procedure Equip re-installtn Bay L-LOWEUS	3	24JUN13	26JUN13	26JUN13	0	33	0	0	0.00	4,773.76	C					
24911500	Procure Equipment re-installtn Bay L-LOWEUS	1	27JUN13	27JUN13	27JUN13	0	142	0	0	0.00	1,417.12	C					
24911510	Fabrication Equipment re-installtn Bay L-LOWEUS	10	28JUN13	15JUL13	15JUL13	141	142	0	0	0.00	8,886.40	C					
24911530	Design Bay L - IR Camera	6	27JUN13	08JUL13	08JUL13	0	33	0	0	0.00	15,189.12	C					
24911540	Prep procd Equip re-installtn Bay L- IR Camera	3	09JUL13	11JUL13	11JUL13	0	33	0	0	0.00	4,237.92	C					
24911550	Procure Equip re-installtn Bay L- IR Camera	1	12JUL13	12JUL13	12JUL13	142	143	0	0	0.00	2,640.00	C					
24911580	Design Bay L - Glow Discharge	10	12JUL13	25JUL13	25JUL13	0	33	0	0	0.00	18,274.40	C					
24911590	Prep procd EQ reinstalltn Bay L-Glow Discharge	3	26JUL13	30JUL13	30JUL13	0	33	0	0	0.00	4,773.76	C					
24911600	Procure EQ re-installtn Bay L-Glow Discharge	1	31JUL13	31JUL13	31JUL13	0	33	0	0	0.00	4,057.12	C					
24911610	Fabrication EQ reinstalltn Bay L-Glow Discharge	10	01AUG13	14AUG13	14AUG13	0	33	0	0	0.00	8,886.40	C					
24911700	Design 5 sections of Platform EI 118' W Side NTC	10	15AUG13	28AUG13	28AUG13	0	33	0	0	0.00	18,646.72	C					
24911710	Prep procd 5 sections of Platform EI 118' W Side	3	29AUG13	03SEP13	03SEP13	0	33	0	0	0.00	4,251.36	C					
24911720	Fab 5 sections of Platform EI 118' W Side NTC	20	04SEP13	01OCT13	01OCT13	86	87	0	0	0.00	53,275.36	C					
24911740	Fin Dsgn Power/Ground/Light @ Platform WSide NTC	20	04SEP13	01OCT13	01OCT13	0	33	0	0	0.00	31,946.16	C					
24911760	Procurements Power/Ground/Light @ Platform W NTC	1	02OCT13	02OCT13	02OCT13	85	86	0	0	0.00	5,400.00	C					
24911780	Design 42 Ckt Panel NTC/30 Ckt Panel Gallery	25	02OCT13	05NOV13	05NOV13	0	33	0	0	0.00	34,749.76	C					
24911790	Prep procd 42 Ckt Panel NTC/30 Ckt Panel Gallery	3	06NOV13	08NOV13	08NOV13	0	33	0	0	0.00	4,927.84	C					
24911800	Procuremnt 42 Ckt Panel NTC/30 Ckt Panel Gallery	1	11NOV13	11NOV13	11NOV13	57	58	0	0	0.00	81,000.00	C					
24911940	Prel Dsgn New Pmp Duct-Tank Farm/TMB Sys/Gas Sol	10	11NOV13	22NOV13	22NOV13	0	33	0	0	0.00	26,219.20	C					
24911950	Fin Dsgn New Pmp Duct-Tank Farm/TMB Sys/Gas Sol	10	25NOV13	10DEC13	10DEC13	0	33	0	0	0.00	26,219.20	C					
24911960	Prep proc EQ Reinst New Pmp Duct-Tank Farm/TMB S	5	11DEC13	17DEC13	17DEC13	0	33	0	0	0.00	14,651.20	C					
24911970	Proc EQ Reinst New Pmp Duct-Tank Farm/TMB Sys/Ga	1	18DEC13	18DEC13	18DEC13	32	33	0	0	0.00	18,900.00	C					
<b>Re-Installation</b>																	
24910049	BEGIN RE-INSTALLATION OF DIAGNOSTICS	0		12FEB14	12FEB14	0	1	0	0	0.00	0.00	B					
24910050	re-install rack 419 - UCLA Reflectometer	6	13FEB14	20FEB14	20FEB14	0	1	0	0	0.00	11,294.64	C					
24910100	re-install rack 431-435 - VV T/C & magnetics	30	21FEB14	03APR14	03APR14	0	1	0	0	0.00	68,132.72	C					
24910200	re-install rack 440 - SPRED	8	04APR14	15APR14	15APR14	0	1	0	0	0.00	15,805.80	C					
24910250	re-install rack 441-445 - VV ion gages, RGA	20	19MAR14	15APR14	15APR14	0	1	0	0	0.00	42,692.40	C					
24910300	re-install rack 447-448 - Fiber Optics	10	16APR14	29APR14	09MAY14	0	22	8	0	0.00	14,455.80	C					
24910350	re-install rack 449 - Glow Discharge	15	23JAN14	12FEB14	12FEB14	0	35	0	0	0.00	31,611.60	C					
24910420	re-install rack 488-Dep monitor/fast xray	10	13FEB14	26FEB14	26FEB14	0	35	0	0	0.00	21,993.12	C					
24910490	re-install rack - PSI Camera	10	27FEB14	12MAR14	12MAR14	0	35	0	0	0.00	21,074.40	C					
24910540	re-install rack - Ultra Fast X-ray Camera	10	13MAR14	26MAR14	26MAR14	0	35	0	0	0.00	21,074.40	C					
24910590	re-install rack-Transmission Grating Spectrometr	7	27MAR14	04APR14	04APR14	0	35	0	0	0.00	14,752.08	C					
24910620	re-install rack - IR Camera at Bay L	4	07APR14	10APR14	10APR14	13	35	0	0	0.00	8,699.76	C					
24910650	re-install rack - IR Camera at Bay K	15	30APR14	20MAY14	02JUN14	16	22	8	0	0.00	31,611.60	C					
24910680	re-install rack-Reconfigure AC & Diagnostic tray	30	13FEB14	26MAR14	26MAR14	0	20	0	0	0.00	82,417.52	C					
24910740	re-install Equipment Bay J - Two gas injectors	10	27MAR14	09APR14	09APR14	0	20	0	0	0.00	21,074.40	C					

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY				
													FY11	FY12	FY13	FY14	FY15
24910790	re-install Equipment Bay J - Reflectometer	20	10APR14	07MAY14	07MAY14	0	20	0	0	0.00	49,436.00	C					
24910840	re-install Equipment Bay J - Bolometer	20	10APR14	07MAY14	07MAY14	0	20	0	0	0.00	49,436.00	C					
24910890	re-install Equipment Bay J - RF Prove	20	10APR14	07MAY14	07MAY14	0	20	0	0	0.00	49,436.00	C					
24910940	re-install Equipment Bay J - S-Flip	15	17APR14	07MAY14	07MAY14	0	20	0	0	0.00	49,436.00	C					
24910990	re-install Equipment Bay J - SSNPA	20	13FEB14	12MAR14	12MAR14	0	36	0	0	0.00	49,436.00	C					
24911040	re-install Equipment Bay J - Re-entrant Window	1	13MAR14	13MAR14	13MAR14	0	36	0	0	0.00	1,053.72	C					
24911190	re-install Equipment NB2 Duct-IR Window f/Camera	3	14MAR14	18MAR14	18MAR14	0	36	0	0	0.00	3,161.16	C					
24911240	reinstall Equip NB2 Duct-Transm Grating Spectro	20	19MAR14	15APR14	15APR14	16	36	0	0	0.00	49,436.00	C					
24911290	reinstall EQ New pump duct-VV Ion Gages/Filament	20	08MAY14	05JUN14	05JUN14	14	20	0	0	0.00	49,436.00	C					
24911380	re-install Bay L - SPRED	20	13FEB14	12MAR14	12MAR14	0	25	0	0	0.00	42,148.80	C					
24911450	Re-install New Pump Duct - RGA	20	13MAR14	09APR14	09APR14	0	25	0	0	0.00	42,148.80	C					
24911520	re-install Bay L - LOWEUS	20	13MAR14	09APR14	09APR14	0	25	0	0	0.00	42,148.80	C					
24911570	re-install Bay L - IR Camera	15	20MAR14	09APR14	09APR14	0	25	0	0	0.00	16,480.80	C					
24911620	re-install Bay L - Glow Discharge	20	10APR14	07MAY14	07MAY14	0	25	0	0	0.00	42,148.80	C					
24911730	instl 5 sections of Platform EI 118' W Side NTC	5	08MAY14	14MAY14	14MAY14	0	25	0	0	0.00	21,912.80	C					
24911770	Install Power/Ground/Light @ Platform W Side NTC	10	15MAY14	29MAY14	29MAY14	0	25	0	0	0.00	21,074.40	C					
24911810	Install 42 Ckt Panel NTC/30 Ckt Panel Gallery	20	01MAY14	29MAY14	29MAY14	0	25	0	0	0.00	49,436.00	C					
24911980	Reinstall New Pmp Duct-Tank Farm/TMB Sys/Gas So	50	20MAR14	29MAY14	29MAY14	0	25	0	0	0.00	110,818.72	C					
24911999	DIAGNOSTICS RE-INSTALLED	0		29MAY14	29MAY14	0	25	0	0	0.00	0.00	B					
24910001	Test Cell Oversight during diag removals	169	03APR12	30NOV12	30NOV12	1	161	0	0	0.00	158,321.15	A					
24910002	Test Cell Oversight during diag re-installation	87	13FEB14	16JUN14	16JUN14	93	74	0	0	0.00	266,711.52	A					
FY092490	FY09 Actual Cost	22*	23FEB09A	30SEP09A	30SEP09A			0	100	143,025.00	143,025.00	C					
FY102490	FY10 Actual Cost	143	01OCT09A	30APR10A	30APR10A			0	100	115,145.00	115,145.00	C					
FY102490A	FY10 Actual Cost	45	01JUN10A	30JUL10A	30JUL10A			0	100	20,036.00	20,036.00	C					
<b>Job: 3200 - Water Cooling System Mods-DENAULT</b>																	
3200-0015	Prelim Dsn-Design Drawings	30	03MAY10A	14JUN10A	14JUN10A			0	100	0.00	0.00	C					
3200-0016	Prelim Dsn-PDR Prep	5	15JUN10A	21JUN10A	21JUN10A			0	100	0.00	0.00	C					
3200-0017	Prelim Dsn-CONDUCT PDR	2	22JUN10A	23JUN10A	23JUN10A			0	100	0.00	0.00	C					
3200-0021	Final Design-Disposition PDR Chits	2	24JUN10A	25JUN10A	25JUN10A			0	100	0.00	0.00	C					
3200-0022	Final Design-Design Drawings	94*	07FEB11A	17JUN11	11FEB11	0	123	-89	20	3,322.96	16,614.80	C					
3200-0023	Final Design-Update Analyses	89*	14FEB11A	17JUN11	12MAY11	0	123	-25	25	3,508.90	14,035.60	C					
3200-0024	Final Design-Update Cost & Schedule Estimate	84*	21FEB11A	17JUN11	26MAY11	0	123	-15	25	3,164.20	12,656.80	C					
3200-0025	Final Design-Prep Procurement Specs	5	13JUN11	17JUN11	03JUN11	0	123	-10	0	0.00	6,328.40	C					
3200-0026	Final Design-FDR Prep	10*	06JUN11*	17JUN11	10JUN11	0	123	-5	0	0.00	6,328.40	C					
3200-0026A	Water Cooling System - Peer review	0		18MAY11*		0	147	0	0	0.00	0.00	B					
3200-0027	Final Design-CONDUCT FDR	3	22JUN11*	24JUN11	14JUN11	14	121	-8	0	0.00	2,531.36	C					
3200-0055	Bus Work Cooling	10	11JUN14	24JUN14	24JUN14	0	31	0	0	0.00	34,311.60	C					

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 ;

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY						
													FY11	FY12	FY13	FY14	FY15		
3200-0057	Flow Sensors	5	25JUN14	01JUL14	01JUL14	0	31	0	0	0.00	28,304.40	C							
3200-0059	Modify Manifold	10	02JUL14	16JUL14	16JUL14	0	31	0	0	0.00	34,311.60	C							
3200-0061	Fab & Connect Lines	5	17JUL14*	23JUL14	23JUL14	0	31	0	0	0.00	20,530.80	C							
3200-0063	Leak Check	2	24JUL14	25JUL14	25JUL14	50	31	0	0	0.00	3,674.88	C							
FY093000	FY09 Actual Cost	22*	23FEB09A	30SEP09A	30SEP09A			0	100	5,447.00	5,447.00	C							
FY103000	FY10 Actual Cost	40	01OCT09A	30NOV09A	30NOV09A			0	100	3,956.00	3,956.00	C							
FY103200	FY10 Actual Cost	22	01APR10A	30APR10A	30APR10A			0	100	1,301.00	1,301.00	C							
FY103200A	FY10 Actual Cost	110	03MAY10A	30SEP10A	30SEP10A			0	100	4,904.00	4,904.00	C	81=4904						

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

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

41=5,000 ; EM//ST =120 ;

EM//ST =32 ;

**Job: 3300 - Bakeout System Mods for CSU-RAKI**

3300-105	Bakeout- Prelim Design	37	03MAY10A	23JUN10A	23JUN10A			0	100	0.00	0.00	C
3300-110	Bakeout-PDR	0		23JUN10A	23JUN10A			0	100	0.00	0.00	B
3300-115	Bakeout-Final Design	33	02MAY11*	16JUN11	09MAY11	4	127	-27	0	0.00	4,764.80	C
3300-117	Bakeout-Peer Review	0		18MAY11*		0	147	0	0	0.00	0.00	B
3300-120	Bakeout-FDR	0		22JUN11*	15JUN11*	16	123	-5	0	0.00	0.00	B
3300-125	Bakeout-Procure Hardware	130	01OCT13*	14APR14	14APR14	0	13	0	0	0.00	50,007.84	K
3300-130	Bakeout-Assembly	65	15APR14	16JUL14	16JUL14	0	13	0	0	0.00	5,986.24	C
3300-135	Bakeout-Installation	20	17JUL14	13AUG14	13AUG14	0	13	0	0	0.00	9,988.84	C
3300-140	Bakeout-Test	5	14AUG14	20AUG14	20AUG14	32	13	0	0	0.00	8,434.12	C

EE//EM =16 ; EA//SB =16 ;

EE//EM =08 ; 41=35,000 ;  
EA//SB =08 ;

EE//SM =16 ; EE//TB =32 ;

EE//EM =20 ; EE//SM =16 ;  
EE//TB =32 ;

EE//EM =20 ; EE//SM =16 ;  
EE//TB =16 ;

**Job: 3400 - Gas Delivery System Mods-BLANCHARD**

3400-0016	Update Cost & Schedule Estimate - Gas	2	03MAY10A	04MAY10A	04MAY10A			0	100	0.00	0.00	C
3400-0017	Design Drawings - Gas Delivery Sys Mod	3	05MAY10A	07MAY10A	07MAY10A			0	100	0.00	0.00	C
3400-0018	PDR Prep - Gas Delivery Sys Mod	9	10JUN10A	22JUN10A	22JUN10A			0	100	0.00	0.00	C
3400-0019	CONDUCT PDR - Gas Delivery Sys Mod	1	23JUN10A	23JUN10A	23JUN10A			0	100	0.00	0.00	C
3400-0022	Disposition PDR Chits - Gas Delivery Sys Mod	2	23JUN10A	24JUN10A	24JUN10A			0	100	0.00	0.00	C
3400-0023	Design Drawings - Gas Delivery Sys Mod	34	02MAY11*	17JUN11	28MAR11	0	123	-58	0	0.00	10,148.00	C
3400-0025	Update Cost & Schedule Estimate - Gas	5	13JUN11	17JUN11	04APR11	0	123	-53	0	0.00	3,797.04	C
3400-0027	FDR Prep - Gas Delivery Sys Mod	15	27MAY11	17JUN11	16MAY11	2	123	-23	0	0.00	23,731.50	C
3400-0027A	Gas Delivery System - Peer review	0		18MAY11*		0	147	0	0	0.00	0.00	B
3400-0028	CONDUCT FDR	3	22JUN11*	24JUN11	17MAY11	14	121	-27	0	0.00	632.84	C
3400-0046	Shop Fabrication - Gas Delivery Sys Mod	1	01OCT13*	01OCT13	01OCT13	0	205	0	0	0.00	1,837.44	C
3400-0047	Assembly - Gas Delivery Sys Mod	1	02OCT13	02OCT13	02OCT13	0	205	0	0	0.00	1,837.44	C
3400-0050	Installation Procedure/Oversight - Gas Delivery	6	03OCT13	10OCT13	10OCT13	0	205	0	0	0.00	13,186.08	C
3400-0051	Machine Installation - Gas Delivery Sys Mod	13	11OCT13	29OCT13	29OCT13	0	205	0	0	0.00	23,886.72	C
3400-0052	PTP Testing/Programming - Gas Delivery Sys	7	30OCT13	07NOV13	07NOV13	224	205	0	0	0.00	20,511.68	C
FY103400	FY10 Actual Cost	17	01DEC09A	23DEC09A	23DEC09A			0	100	1,318.00	1,318.00	C

EA//DM =80 ;

EM//EM =24 ;

EM//EM =150 ;

EM//EM =04 ;

EM//ST =16 ;

EM//ST =16 ;

EM//EM =72 ;

EM//ST =208 ;

EM//EM =112 ;

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY					
													FY11	FY12	FY13	FY14	FY15	
FY103400A	FY10 Actual Cost	130	01APR10A	30SEP10A	30SEP10A			0	100	1,402.00	1,402.00	C	81=1402					
<b>Job: 4100 - Center Stack Diagnostics-KAITA</b>																		
4100-0017	Prelim Dsn-Design Drawings	25	03MAY10A	07JUN10A	07JUN10A			0	100	0.00	0.00	C						
4100-0018	Prelim Dsn-PDR Prep	10	08JUN10A	21JUN10A	21JUN10A			0	100	0.00	0.00	C						
4100-0019	Prelim Dsn-CONDUCT PDR	2	22JUN10A	23JUN10A	23JUN10A			0	100	0.00	0.00	C						
4100-0022	Final Dsn-Disposition PDR Chits	10	08JUN10A	21JUN10A	21JUN10A			0	100	0.00	0.00	C						
4100-0023	Final Dsn-Design Drawings	127*	01NOV10A	06MAY11	31MAR11	0	221	-26	90	36,215.46	40,239.40	C		EE//SM =20 ; EM//ST =20 ; EM//EM =40 ; EE//EM =80 ; EA//SB =120 ;				
4100-0025	Final Dsn-Update Cost & Schedule Estimate	10	09MAY11	20MAY11	27MAY11	6	227	5	0	0.00	20,159.60	C		EM//EM =40 ; EE//EM =80 ;				
4100-0026	Final Dsn-Prep Procurement Specs	16	09MAY11	31MAY11	27MAY11	0	221	-1	0	0.00	10,079.80	C		EM//EM =20 ; EE//EM =40 ;				
4100-0027	Final Dsn-FDR Prep	13*	01JUN11	17JUN11	24JUN11	0	221	5	0	0.00	19,572.40	C		EE//EM =40 ; EM//EM =80 ;				
4100-0027A	CS Diagnostic - Peer review	0		18MAY11*		0	147	0	0	0.00	0.00	B						
4100-0028	Final Dsn-CONDUCT FDR	3	22JUN11*	24JUN11	28JUN11*	205	219	2	0	0.00	1,324.40	C		EE//EM =04 ; EM//EM =04 ;				
4100-0032	Wire/Cables-Prep Requisition and procurement pac	15	02APR12*	20APR12	20APR12	0	14	0	0	0.00	32,627.60	C		EE//EM =40 ; EE//SM =40 ; EM//ST =40 ; EM//EM =80 ;				
4100-0033	Wire/Cables-SUBMIT REQ TO PROCUREMENT	5	23APR12	27APR12	27APR12	0	14	0	0	0.00	7,261.60	C		EE//EM =20 ; EM//EM =20 ;				
4100-0034	Wire/Cables-Procurement lead time (1)	25	30APR12	04JUN12	04JUN12	0	14	0	0	0.00	0.00	C						
4100-0035	Wire/Cables-AWARD	1	05JUN12	05JUN12	05JUN12	0	14	0	0	0.00	7,261.60	C		EE//EM =20 ; EM//EM =20 ;				
4100-0036	Wire/Cables-Fabricate or delivery	130	06JUN12	10DEC12	10DEC12	0	14	0	0	0.00	71,643.14	C		41=19,000 ; EE//SM =120 ; EM//ST =240 ;				
4100-0038	Coils w/mandrels -Prep Requisition & procurement	15	02APR12*	20APR12	20APR12	0	14	0	0	0.00	24,764.10	C		EE//EM =10 ; EM//ST =20 ; EE//SM =40 ; EM//EM =80 ;				
4100-0039	Coils w/mandrels - SUBMIT REQ TO PROCUREMENT	5	23APR12	27APR12	27APR12	0	14	0	0	0.00	3,630.80	C		EE//EM =10 ; EM//EM =10 ;				
4100-0040	Coils w/mandrels - Procurement lead time (1)	25	30APR12	04JUN12	04JUN12	0	14	0	0	0.00	0.00	C						
4100-0041	Coils w/mandrels - AWARD	1	05JUN12	05JUN12	05JUN12	0	14	0	0	0.00	0.00	C						
4100-0042	Coils w/mandrels - Fabricate or delivery	130	06JUN12	10DEC12	10DEC12	0	14	0	0	0.00	120,564.54	C		41=40,000 ; EM//EM =40 ; EM//ST =120 ; EM//SM =120 ; EE//SM =160 ;				
4100-0045	Fab/Assy Procedure	20	06JUN12	03JUL12	03JUL12	61	124	0	0	0.00	18,266.88	C		EE//EM =12 ; EE//SM =20 ; EM//ST =20 ; EM//EM =60 ;				
4100-0046	Shop Fabrication	65	11DEC12*	20MAR13	20MAR13	0	14	0	0	0.00	119,716.30	C		EE//EM =10 ; EM//SM =40 ; EM//EM =180 ; EM//ST =240 ; EE//SM =300 ;				
4100-0047	Assembly	65	21MAR13	20JUN13	20JUN13	0	14	0	0	0.00	114,001.78	C		EE//EM =10 ; EM//EM =132 ; EE//SM =280 ; EM//ST =360 ;				
4100-0050	Installation Procedure (ex-vessel only)	15	01OCT12*	19OCT12	19OCT12	124	178	0	0	0.00	29,835.40	C		EE//SM =20 ; EE//EM =40 ; EM//ST =40 ; EM//EM =80 ;				
4100-0051	Machine Installation (ex-vessel only)	30	21JUN13	05AUG13	05AUG13	0	14	0	0	0.00	65,733.40	C		EE//EM =20 ; EM//EM =40 ; EM//ST =180 ; EE//SM =200 ;				
4100-0052	PTP Testing	15	06AUG13	26AUG13	26AUG13	33	14	0	0	0.00	37,234.40	C		EE//EM =20 ; EM//EM =40 ; EE//SM =100 ; EM//ST =80 ;				
4100-0056	Mount Diagnostics in PFC Tiles	40	25APR13	20JUN13	20JUN13	58	59	0	0	0.00	0.00	C						
4100-FY09	FY09 Actual Cost	22*	23FEB09A	30SEP09A	30SEP09A			0	100	11,000.00	11,000.00	C						
FY104000	FY10 Actual Cost	40	01JAN10A	26FEB10A	26FEB10A			0	100	-1,729.00	-1,729.00	C						

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY				
													FY11	FY12	FY13	FY14	FY15
FY104100	FY10 Actual Cost	65	01FEB10A	30APR10A	30APR10A			0	100	12,432.00	12,432.00	C					
FY104100A	FY10 Actual Cost	110	03MAY10A	30SEP10A	30SEP10A			0	100	69,954.00	69,954.00	C	81=69954				
<b>Job: 4500 - MPTS VV Modification-Labik</b>																	
<b>Design</b>																	
MPTS-0003	PREPARE WORK PLANNING FORM	49*	11OCT10A	20DEC10A	12OCT10			-47	100	1,265.68	1,265.68	C	EM//EM =8 ;				
MPTS-0004	Prep System Description	191*	16AUG10A	20MAY11	25JAN11	0	148	-83	80	2,488.07	3,068.50	C	EM//EM =20 ; R///RM =0 ;				
MPTS-0007	85Mechanical Design Bay L	175*	01OCT10A	15JUN11	17JAN11	0	169	-106	85	26,967.36	31,074.37	C	EM//EM =90 ; EA//SB =140 ;				
MPTS-0008	Port Support Design Bay L	123*	24JAN11A	15JUL11	10FEB11	0	148	-109	60	28,588.92	47,648.20	C	EM//EM =100 ; R///RM =40 ; EA//SB =200 ;				
MPTS-0009	Stress Analysis - Bay L	186*	11AUG10A	10MAY11	14JAN11	0	148	-82	95	137,438.96	142,213.69	C	EM//EM =60 ; EA//EM =700 ; R///RM =20 ;				
MPTS-0009A	Stress Analysis - Bay F	93*	23DEC10A	10MAY11	21FEB11	0	148	-56	95	50,188.50	52,830.00	C	EM//EM =20 ; EA//EM =240 ;				
MPTS-0010	N/A Technical Support (see 0021)	49	01SEP10A	01SEP10A	01SEP10A			0	100	0.00	0.00	C					
MPTS-0011	Conceptual Design presented at PDR	7	23AUG10A	31AUG10A	31AUG10A			0	100	0.00	0.00	C					
MPTS-0011A	Conceptual Design Chits	20	01SEP10A	29SEP10A	29SEP10A			0	100	0.00	0.00	C	EM//EM =20				
MPTS-0014	Mechanical Design Bay F	145*	01DEC10A	30JUN11	30JUN11	0	562	0	70	25,735.40	36,764.85	C	EM//EM =35 ; R///RM =0 ; EA//SB =250 ;				
MPTS-0015	Port Support Design Bay F	155*	07JAN11A	15AUG11	16AUG11	0	531	1	85	41,111.40	48,366.35	C	EM//EM =100 ; R///RM =15 ; EA//SB =240 ;				
MPTS-0020	CONDUCT PDR for MPTS	1	09MAY11*	09MAY11	10FEB11	0	143	-62	0	0.00	6,518.05	C	EM//EM =20 ; R///RM =5 ;EA//SB=20 ;				
MPTS-0020A	Input for Global FDR	11	18MAY11*	02JUN11	15MAR11	30	137	-56	0	0.00	28,223.30	C	EM//EM =60 ; R///RM =20 ; EA//EM =60 ; EA//SB =30 ;				
MPTS-0021	Technical Support General (LOE)	250*	01OCT10A	30SEP11	30SEP11	0	554	0	57	5,577.57	9,751.00	A	EM//EM =40 ; R///RM =20 ;				
MPTS-0023	Disposition PDR Chits	33	10MAY11*	24JUN11	01JUN11	17	548	-17	0	0.00	17,911.60	C	EM//EM =60 ; R///RM =20 ; EA//SB =40 ;				
MPTS-0023A	Center Stack - Peer Review	0		18MAY11*		0	574	0	0	0.00	0.00	B					
MPTS-0025	Design Pro E Model - (Bay L)	218*	15SEP10A	29JUL11	29JUL11	0	587	0	80	8,589.88	10,737.36	C	EM//EM =20 ; R///RM =20 ; EA//SB =120 ;				
MPTS-0025A	Design Pro E Model - (Bay F)	218*	15SEP10A	29JUL11	29JUL11	0	587	0	90	9,663.63	10,737.36	C	EM//EM =20 ; R///RM =20 ; EA//SB =140 ;				
MPTS-0026	Update Optic & Stress Analyses	155*	15DEC10A	29JUL11	29JUL11	0	587	0	20	4,101.08	20,505.40	C	EM//EM =20 ; EA//EM =90 ; R///RM =0 ;				
MPTS-0027	Update Cost & Schedule Estimate	24	19MAY11*	22JUN11	10JUN11	2	574	-8	0	0.00	4,019.85	C	EM//EM =20 ; R///RM =5 ;				
MPTS-0028	Final Design Changes	48	23MAY11*	29JUL11	29JUL11	41	572	0	0	0.00	23,181.55	C	EM//EM =20 ; R///RM =5 ; EA//EM =80 ; EA//SB =30 ;				
MPTS-0028A	CONDUCT FDR MPTS VV interface	18	21JUL11*	15AUG11	12SEP11	0	531	19	0	0.00	8,622.80	C	EM//EM =20 ; EA//SB =30 ; R///RM =10 ;				
MPTS-0028C	CONDUCT FDR externals	18	30AUG11*	23SEP11	23SEP11	5	508	0	0	0.00	13,369.60	C	EM//EM =20 ; EA//SB =20 ; EA??EM=40				
MPTS-0029	Detail Drawings	43	31MAY11*	29JUL11	29SEP11	36	567	43	0	0.00	15,655.20	C	EM//EM =20 ; R///RM =0 ; EA//SB =100 ;				
MPTS-0030	FDR Chit Response	5	16AUG11	22AUG11	19SEP11	28	531	19	0	0.00	24,430.65	C	EM//EM =20 ; R///RM =5 ; EA//EM =80 ; EA//SB =40 ;				
<b>Procurement</b>																	
MPTS-0032	Bay L Wire Seal Flange & Nozzle w/Weld Prep	130	03OCT11*	11APR12	11APR12	58	503	0	0	0.00	27,534.90	C	EM//EM =10 ; 41=20,000 ;				
MPTS-0033	Bay L Port Cover	130	03OCT11*	11APR12	11APR12	58	503	0	0	0.00	8,607.45	C	EM//EM =5 ; 41=6000 ;				

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	Fiscal Year												
													FY11	FY12	FY13	FY14	FY15								
MPTS-0035	Misc Materials	130	03OCT11*	11APR12	11APR12	58	503	0	0	0.00	12,054.90	C													
MPTS-0036	Tooling	130	03OCT11*	11APR12	11APR12	58	503	0	0	0.00	7,317.45	C													
<b>Fabrication</b>																									
MPTS-0038	Fabricate Tooling & New Port Support Assemblies	76	03JAN12*	17APR12	17APR12	0	445	0	0	0.00	70,390.20	C													
MPTS-0039	POP Vessel Wall Plate and Nozzle Mockup	42	03MAY11*	30JUN11	30JUN11	143	646	0	0	0.00	75,190.80	C													
MPTS-0041	Low Power Laser Holder for Bay L , F and F/G	15	18APR12	08MAY12	08MAY12	0	445	0	0	0.00	27,456.20	C													
<b>Installation</b>																									
MPTS-0043A	Protective Enclosure Cutting Debris	12	01FEB12*	16FEB12	16FEB12	58	503	0	0	0.00	19,802.60	C													
MPTS-0044	Installation Procedure	79	19JAN12	08MAY12	11JUL12	0	445	44	0	0.00	3,469.80	C													
MPTS-0045	SetUp Cutting Device Supp/Machine Penetr B-L/F/G	40	09MAY12	05JUL12	06SEP12	0	445	44	0	0.00	58,236.80	C													
MPTS-0046	Set Up New Ports Support Bays L&F	18	06JUL12	31JUL12	02OCT12	0	445	44	0	0.00	13,060.11	C													
MPTS-0047	Weld New Ports	23	01AUG12	31AUG12	02NOV12	439	445	44	0	0.00	14,279.00	C													
MPTS-0048	Set up and Machine Bay F Edge	13	24APR13*	10MAY13	10MAY13	161	164	0	0	0.00	23,518.30	C													
MPTS-0050	Metrology Support & leak check ports	183	01MAR13*	18NOV13	15NOV13	394	1,700	-1	0	0.00	21,390.57	C													
FY104500A	FY10 Actuals Cost	110	03MAY10A	30SEP10A	30SEP10A			0	100	10,079.00	10,079.00	C	81=125	47											
<b>Job: 5000 - CSU Power Systems-RAKI</b>																									
<b>51 - AC Power</b>																									
510-003	51- AC Power -FINAL DESIGN PREP	115*	01DEC10A	18MAY11	28MAR11	0	579	-37	80	9,193.38	11,491.72	C													
510-005	51- AC Power -procedures, specs, revision	20	01JUL13*	30JUL13	30JUL13	0	51	0	0	0.00	29,901.28	C													
510-009	51- AC Power -Procurement	65	31JUL13*	30OCT13	30OCT13	0	51	0	0	0.00	47,885.54	C													
510-013	51- AC Power -Installation	20	31OCT13	27NOV13	27NOV13	0	51	0	0	0.00	84,847.52	C													
510-017	51- AC Power -Test&Commission	20	02DEC13	08JAN14	08JAN14	38	51	0	0	0.00	19,037.68	C													
<b>52 - AC/DC Converters</b>																									
520-005	52 - AC/DC Converters - Dsn	20	10JUN13*	09JUL13	09JUL13	0	46	0	0	0.00	2,667.44	C													
520-009	52 - AC/DC Converters -Procurement	65	10JUL13*	09OCT13	09OCT13	0	46	0	0	0.00	17,202.00	C													
520-013	52 - AC/DC Converters -Reactivate	40	10OCT13	06DEC13	06DEC13	0	46	0	0	0.00	0.00	C													
520-017	52 - AC/DC Converters -Test&Commission	20	09DEC13	15JAN14	15JAN14	33	46	0	0	0.00	37,936.40	C													
<b>531 - FCPC DC PF1 &amp; TF Systems</b>																									
531-004	531- FCPC DC Systems FINAL DESIGN PREP	140*	01DEC10A	23JUN11	23JUN11	0	121	0	70	21,859.25	31,227.50	C													
531-005	531- FCPC DC Systems procedures, specs, revision	263	04OCT11*	19OCT12	19OCT12	0	51	0	0	0.00	197,333.60	K													
531-013	531- FCPC DC Systems-Procure 1000MCM Cable&Tray	260	13MAR12*	27MAR13	27MAR13	118	142	0	0	0.00	205,337.60	K													
531-017	531- FCPC DC Systems Cabling Changes	80	16SEP13*	17JAN14	17JAN14	11	24	0	0	0.00	48,451.50	C													
531-021	531- FCPC DC Systems -Procure OH Reactors	195	22OCT12	06AUG13	06AUG13	27	51	0	0	0.00	132,000.00	C													
531-021A	531- Clear FCPC	20	16AUG13	13SEP13		0	24	0	0	0.00	0.00	C													
531-025	531- FCPC DC Systems -OH React Install	80	16SEP13*	17JAN14	17JAN14	11	24	0	0	0.00	61,910.25	C													

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY				
													FY11	FY12	FY13	FY14	FY15
531-029	531- FCPC DC Systems-Install cable & misc h/w	80	01OCT13*	03FEB14	03FEB14	0	13	0	0	0.00	913,018.00	K	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	03MAR14	03MAR14	0	13	0	0	0.00	100,676.24	C	EE//EM =168 ; EE//SM =200 ; EE//TB =320 ;				
<b>532 - FCPC PF5 DC Systems*NOT IN PROJECT SCOPE**</b>																	
530XXX		1	01NOV10A	01NOV10A	01OCT10			-21	100	0.00	0.00	C					
<b>532 - TA-NTC DC Systems</b>																	
532-003	532- PCTS Changes -FINAL DESIGN PREP	115*	01DEC10A	18MAY11	26APR11	0	399	-16	90	6,745.14	7,494.60	C	EA//SB =60 ;				
532-005	532- PCTS Changes -procedures, specs,	65	31OCT12*	11FEB13	11FEB13	0	34	0	0	0.00	8,391.60	C	EE//EM =24 ; EA//SB =60 ;				
532-009	532- PCTS Changes -Procurement	140	12FEB13*	29AUG13	29AUG13	15	34	0	0	0.00	19,800.00	C	41=15,000 ;				
532-013	532- PCTS Changes -Installation	80	23SEP13*	24JAN14	24JAN14	0	19	0	0	0.00	73,484.41	C	EE//EM =16 ; EE//SM =80 ; EE//TB =160 ; 41=30,000 ;				
532-017	532- PCTS Changes -Test&Commission	20	27JAN14	21FEB14	21FEB14	6	19	0	0	0.00	4,594.16	C	EE//EM =08 ; EE//SM =08 ; EE//TB =16 ;				
<b>54 - Control &amp; Protection System</b>																	
541-001	Control & Protection Systems- FINAL DESIGN	140*	01DEC10A	23JUN11	23JUN11	0	38	0	80	29,978.40	37,473.00	C	EA//SB = 300 ;				
541-005	541 - Electrical Interlocks -proced, specs, revs	433	24JUN11	21MAR13	21MAR13	0	46	0	0	0.00	203,256.67	K	EE//EM =772 ; EA//SB =428 ;				
541-009	541 - Electrical Interlocks -Procurement PLC	80	22MAR13*	16JUL13	16JUL13	23	46	0	0	0.00	134,640.00	C	41=102,000 ;				
541-013	541 - Electrical Interlocks -Installation	80	19AUG13*	11DEC13	11DEC13	0	23	0	0	0.00	389,491.44	C	EE//EM =772 ; EE//SM =120 ; EE//TB =1,200 ; 41=75,000 ;				
541-017	541 - Electrical Interlocks -Test&Commission	40	12DEC13*	17FEB14	17FEB14	10	23	0	0	0.00	30,744.40	C	EE//EM =40 ; EE//SM =40 ; EE//TB =160 ;				
542-005	542 - Kirk Key Interlocks -Dsn	536	24JUN11	16AUG13	16AUG13	0	38	0	0	0.00	18,490.16	K	EE//EM =40 ; EA//SB =80 ;				
542-009	542 - Kirk Key Interlocks -Procurement	65	19AUG13*	18NOV13	18NOV13	0	38	0	0	0.00	20,042.31	C	41=15,000 ;				
542-013	542 - Kirk Key Interlocks -Installation	20	19NOV13	18DEC13	18DEC13	0	38	0	0	0.00	22,054.48	C	EE//EM =16 ; EE//SM =40 ; EE//TB =120 ;				
542-017	542 - Kirk Key Interlocks -Test&Commission	20	19DEC13	27JAN14	27JAN14	25	38	0	0	0.00	26,857.60	C	EE//EM =40 ; EE//SM =40 ; EE//TB =120 ;				
543-005	543 - Real Time Control -Develop algorithms	100	15AUG13*	16JAN14	16JAN14	32	45	0	0	0.00	190,109.57	C	EE//EM =960 ;				
545-005	545 - Instrumentation -Dsn	480	24JUN11	28MAY13	28MAY13	31	74	0	0	0.00	56,776.90	K	EE//EM =200 ; EA//SB =140 ;				
545-009	545 - Instrumentation -Procure Transducers	120	15JUL13*	13JAN14	13JAN14	0	43	0	0	0.00	306,001.25	C	41=229,000 ;				
545-013	545 - Instrumentation -Installation	50	14JAN14	24MAR14	24MAR14	0	43	0	0	0.00	198,469.52	C	EE//EM =104 ; EE//SM =128 ; EE//TB =480 ; 41=80,000 ;				
545-017	545 - Instrumentation -Test&Commission	20	25MAR14	21APR14	21APR14	37	43	0	0	0.00	68,646.64	C	EE//EM =128 ; EE//SM =88 ; EE//TB =280 ;				
546-005	546 - Coil Analog Protection Dsn	431	24JUN11	19MAR13	19MAR13	0	51	0	0	0.00	94,196.36	K	EE//EM =400 ; EA//SB =140 ;				
546-009	546 - Coil Analog Protection -Procurement	112	20MAR13*	27AUG13	27AUG13	0	51	0	0	0.00	10,560.00	C	41=8,000 ;				
546-013	546 - Coil Analog Protection -Installation	20	28AUG13*	25SEP13	25SEP13	0	51	0	0	0.00	58,349.60	C	EE//EM =80 ; EE//SM =160 ; EE//TB =160 ; 41=00 ;				
546-017	546 - Coil Analog Protection -Test&Commission	65	26SEP13	08JAN14	08JAN14	38	51	0	0	0.00	29,492.94	C	EE//EM =80 ; EE//SM =32 ; EE//TB =80 ;				
<b>55 - Systems Design &amp; Integration</b>																	
551-001	551 - Sys Dsgn -design support, analysis (LOE)	098*	03MAY10A	25SEP14	25SEP14	0	1,490	0	23	93,527.28	412,014.46	A	EE//EM =1,320 ; 41=45,000 ;				
551-001A	551 - FDR Transition Area	96*	03JAN11A	16MAY11	28FEB11	0	149	-55	50	0.00	0.00	C	EE//EM =0 ; EA//SB =0 ;				
551-008	551 - FDR PF1a	113*	01DEC10A	16MAY11	31MAR11	0	96	-32	50	17,868.00	35,736.00	C	EE//EM =120 ; EA//SB =120 ;				
551-009	551 - FDR TF/OH	103*	15DEC10A	16MAY11	07APR11	0	96	-27	40	14,294.40	35,736.00	C	EE//EM =120 ; EA//SB =120 ;				
551-009A	CSU Power System - Peer review	0		18MAY11*		0	147	0	0	0.00	0.00	B					



Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	Fiscal Year				
													FY11	FY12	FY13	FY14	FY15
552-001	552 - System Testing -Prepare Procedures	90	15OCT13	03MAR14	03MAR14	0	13	0	0	0.00	41,367.60	C	EE//EM =120 ; EA//SB =120 ;				
552-003	552 - System Testing -Testing	65	04MAR14	03JUN14	03JUN14	7	13	0	0	0.00	156,125.36	C	EE//EM =448 ; EE//SM =80 ; EE//TB =536 ;				
FY095000	FY09 Actual Cost	22*	23FEB09A	30SEP09A	30SEP09A			0	100	385,771.00	385,771.00	C					
FY105000	FY10 Actual Cost	143	01OCT09A	30APR10A	30APR10A			0	100	623,027.00	623,027.00	C					
FY105000A	FY10 Actual Cost	130	01APR10A	30SEP10A	30SEP10A			0	100	94,238.00	94,238.00	C	81=130378				
<b>Job: 5200 - Digital Coil Protection-HATCHER</b>																	
04	Project Oversight	620*	01NOV10A	29APR13	29APR13	0	126	0	20	49,023.45	248,849.99	A	EE//EM=1350				
08	Prep System Description	142*	08NOV10A	03MAR11A	12NOV10			-71	100	3,457.80	3,457.80	C	EE//EM=20				
09	Prep System Requirements	137*	15NOV10A	03MAR11A	07DEC10			-56	100	12,102.30	12,102.30	C	EE//EM=70				
10	Analog Conceptual Design	137*	15NOV10A	03MAR11A	19JAN11			-31	100	18,672.12	18,672.12	C	EE//EM=108				
11	Digital Conceptual Design	137*	15NOV10A	03MAR11A	19JAN11			-31	100	22,957.88	22,957.88	C	EE//EM=108; EC//EM=32				
12	Conceptual Design Analysis & Alg. Prep.	100*	15NOV10A	28FEB11A	13APR11			32	100	56,616.60	56,616.60	C	EE//EM=60; EA//EM=240				
13	CDR Prep. & Review	5	22FEB11A	28FEB11A	26JAN11			-23	100	8,457.04	8,457.04	C	EE//EM=40; EA//EM=8				
16	CDR Chit Resolution	65*	01MAR11A	31MAY11	02FEB11	0	126	-83	30	2,074.68	6,915.60	C	EE//EM=40				
17	Analog Preliminary Design	40*	22APR11A	17JUN11	06APR11	0	126	-51	30	11,929.41	39,764.70	C	EE//EM=230				
18	Digital Preliminary Design	40*	22APR11A	17JUN11	30MAR11	0	126	-56	30	12,053.60	40,178.68	C	EE//EM=220; EC//EM=16				
19	PDR Prep. & Review	44*	18APR11A	17JUN11	27APR11	0	107	-36	50	8,924.55	17,849.10	C	EE//EM=80; EC//EM=30				
20	Systems Code Development	135*	01NOV10A	18MAY11	27APR11	0	128	-15	80	22,129.92	27,662.40	C	EE//EM=160				
23	PDR Chit Resolution	10	20JUN11	01JUL11	11MAY11	0	107	-36	0	0.00	5,532.48	C	EE//EM=32				
24	CSU FDR Prep	9	05JUL11	15JUL11	02JUN11	0	107	-30	0	0.00	6,915.60	C	EE//EM=40				
25	Analog Design - Pt. I	130	12JAN12*	13JUL12	13JUL12	0	255	0	0	0.00	49,398.48	C	EE//EM=248; EA//SB=12; EE//TB=8				
26	Digital Design - Pt. I	130	12JAN12*	13JUL12	13JUL12	0	255	0	0	0.00	44,816.44	C	EE//EM=212; EC//TB=40; EA//SB=12				
27	Hardware Interface	120	12JAN12*	28JUN12	28JUN12	10	265	0	0	0.00	20,646.40	C	EE//EM=80; EA//SB=40				
28	Systems Code - A	120	03OCT11*	28MAR12	28MAR12	75	330	0	0	0.00	54,355.60	C	EE//EM=200; EA//SB=120				
29	Final Design Review	20	16JUL12	10AUG12	10AUG12	0	255	0	0	0.00	7,583.60	C	EE//EM=40				
30	DCPS Algorithms	120	03OCT11*	28MAR12	28MAR12	75	330	0	0	0.00	128,281.60	C	EE//EM=320; EA//EM=320				
31	External Interface & Response	80	01APR14	23JUL14	23JUL14	0	13	0	0	0.00	41,807.40	C	EE//EM=180; EA//SB=40				
32	Real Time Programming	150	01OCT13*	12MAY14	12MAY14	50	63	0	0	0.00	177,467.20	C	EE//EM=360; EC//EM=680				
33	Analog Design - Pt. II	120	01OCT13*	31MAR14	31MAR14	80	93	0	0	0.00	234,416.40	C	EE//EM=880; EE//TB=600				
34	Digital Design - Pt. II	120	01OCT13*	31MAR14	31MAR14	0	13	0	0	0.00	225,380.42	C	EE//EM=770; EC//EM=184; EE//TB=440				
35	Systems Code - B	240	13AUG12	31JUL13	31JUL13	242	255	0	0	0.00	227,205.52	C	EE//EM=720; EC//EM=360; EA//EM=				
36	Systems Integration & Testing	20	24JUL14*	20AUG14	20AUG14	32	13	0	0	0.00	41,970.40	C	EE//EM=80; EC//EM=80; EA//SB=40; EE//TB=80				
19A	PDR	0		17JUN11*		999	2,305	0	0	0.00	0.00	C					
5200-0024A	DCP - Peer Review	0		18MAY11*		0	147	0	0	0.00	0.00	B					
5200-010	Woolley October Budget	20	01OCT10A	29OCT10A	28OCT10			-1	100	4,495.14	4,495.14	C	woolley= 26 ;				
5200013M	DCP -Hardware (procure & Install)	200	01MAR13*	13DEC13	13DEC13	148	161	0	0	0.00	557,676.00	K	41=420,000 ;				
5200013N	DCP -Cabling and Raceways	100	01OCT13*	03MAR14	03MAR14	100	113	0	0	0.00	78,300.00	K	41=18,000 ; 41=40,000 ;				
FY105200A	FY10 Actual Cost	110	03MAY10A	30SEP10A	30SEP10A			0	100	83,402.00	83,402.00	C					

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	Fiscal Year						
													FY11	FY12	FY13	FY14	FY15		
<b>Job: 5501 - Coil Bus Runs-SMITH</b>																			
<b>Design</b>																			
5501-0007	FEMA	5	03MAY10A	07MAY10A	07MAY10A				0	100	0.00	0.00	C						
5501-0009	Eng Dsgn: elect, thermal, EM & stress-OH BUS	4	21MAY10A	26MAY10A	26MAY10A				0	100	0.00	0.00	C						
5501-0010	CAD:Coaxial bus dsgn/bus routing/supports-OH BUS	5	10MAY10A	14MAY10A	14MAY10A				0	100	0.00	0.00	C						
5501-0011	Analysis Mech: thermal, EM & stress-OH BUS	2	17MAY10A	18MAY10A	18MAY10A				0	100	0.00	0.00	C						
5501-0012	Analysis Elec: electrical-OH BUS	2	17MAY10A	18MAY10A	18MAY10A				0	100	0.00	0.00	C						
5501-0014	Eng Dsgn: elect, thermal, EM & stress-PF BUS	4	27MAY10A	02JUN10A	02JUN10A				0	100	0.00	0.00	C						
5501-0015	CAD: bus routing, supports-PF BUS	5	07MAY10A	13MAY10A	13MAY10A				0	100	0.00	0.00	C						
5501-0016	Analysis Mech: thermal, EM & stress-PF BUS	2	14MAY10A	17MAY10A	17MAY10A				0	100	0.00	0.00	C						
5501-0017	Analysis Elec: electrical-PF BUS	2	14MAY10A	17MAY10A	17MAY10A				0	100	0.00	0.00	C						
5501-0019	Eng Dsgn: elect, thermal, EM & stress-TF BUS	4	03JUN10A	08JUN10A	08JUN10A				0	100	0.00	0.00	C						
5501-0020	CAD: bus routing, supports-TF BUS	10	13MAY10A	26MAY10A	26MAY10A				0	100	0.00	0.00	C						
5501-0021	Analysis Mech: thermal, EM & stress-TF BUS	2	27MAY10A	28MAY10A	28MAY10A				0	100	0.00	0.00	C						
5501-0022	Analysis Elec: electrical-TF BUS	2	27MAY10A	28MAY10A	28MAY10A				0	100	0.00	0.00	C						
5501-0024	Eng Dsgn: elect, thermal, EM & stress-CHI BUS	4	09JUN10A	14JUN10A	14JUN10A				0	100	0.00	0.00	C						
5501-0025	CAD:ring bus design/bus routing/supports-CHI BUS	18	26MAY10A	21JUN10A	21JUN10A				0	100	0.00	0.00	C						
5501-0026	Analysis Mech: thermal, EM & stress-CHI BUS	2	22JUN10A	23JUN10A	23JUN10A				0	100	0.00	0.00	C						
5501-0027	Analysis Elec: electrical-CHI BUS	2	22JUN10A	23JUN10A	23JUN10A				0	100	0.00	0.00	C						
5501-0028	Update Cost & Schedule Estimate	3	11JUN10A	15JUN10A	15JUN10A				0	100	0.00	0.00	C						
5501-0029	PDR Prep & PDR	6	16JUN10A	23JUN10A	23JUN10A				0	100	0.00	0.00	C						
5501-0030	Disposition of PDR CHITS	30	24JUN10A	05AUG10A	05AUG10A				0	100	0.00	0.00	C						
5501-0031	Eng Dsn & CAD Model Updates	38	23JUN10A	25AUG10A	25AUG10A				0	100	0.00	0.00	C						
5501-0032	OH Coaxial Bus Prelim Dsgn Updat/Optim Cmpl	8	24JUN10A	06JUL10A	06JUL10A				0	100	0.00	0.00	C						
5501-0033	PF Bus Prelim Dsgn Updat/Optim Cmpl	10	07JUL10A	20JUL10A	20JUL10A				0	100	0.00	0.00	C						
5501-0034	TF Bus Prelim Dsgn Updat/Optim Cmpl	10	21JUL10A	03AUG10A	03AUG10A				0	100	0.00	0.00	C						
5501-0035	CHI Bus Prelim Dsgn Updat/Optim Cmpl	10	04AUG10A	17AUG10A	17AUG10A				0	100	0.00	0.00	C						
5501-0037	Prep DOE CD-2 (Lehman) Review	5	04AUG10A	10AUG10A	10AUG10A				0	100	0.00	0.00	C						
5501-0038	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A				0	100	0.00	0.00	C						
1305-0160	N/A OH Bus Bar Analysis(xfer f/j. Chrzanowski)	39*	02AUG10A	30SEP10A	30SEP10A				0	100	0.00	0.00	C	EA//EM =40 ;					
<b>OH Bus</b>																			
5501-0042	Final Design	195*	17AUG10A	29APR11A	28FEB11				-44	100	25,166.13	25,010.31	C	EM//EM =162 ;					
5501-0046	Busbar System Design-OH BUS	176*	17AUG10A	29APR11A	28FEB11				-44	100	3,170.61	3,153.04	C	EM//EM =16 ; EE//EM =04 ;					
5501-0047	Update CAD - OH BUS	176*	17AUG10A	29APR11A	28FEB11				-44	100	12,140.19	12,078.34	C	EM//EM =10 ; EA//SB =66 ;					
5501-0049	Analysis/Calc: EM/Stress/Thermal-OH BUS	176*	17AUG10A	29APR11A	28FEB11				-44	100	4,531.33	4,500.09	C	EA//SB =24 ;					
5501-0050	Detail Drawings-OH BUS	143*	04OCT10A	29APR11A	04APR11				-19	100	2,997.84	2,997.84	C	EA//EM =24 ;					
5501-0051	Design Validation-OH BUS	41*	14MAR11A	29APR11A	04APR11				-19	100	7,855.08	7,855.08	C	EE//EM =12 ; EA//EM =30 ;					
5501-0098	Documentn: Fab/Assy Procedure-OH BUS	5	01OCT13	07OCT13	07OCT13	0	31	0	0	0	0.00	19,677.16	C	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*	04NOV13	04NOV13	0	31	0	0	0.00	38,946.48	C	EM//EM =12 ; EM//ST =320 ;						
5501-0100	Assembly: pre-installatn components-OH BUD	20	05NOV13*	04DEC13	04DEC13	0	31	0	0	0.00	18,374.40	C	EM//ST =160 ;						



Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	Fiscal Year				
													FY11	FY12	FY13	FY14	FY15
5501-0076A	Updt Models/Dwgs Ready for Signoff-CHI BUS	10	11APR11A	29APR11A	09MAY11			6	100	18,669.62	18,669.62	C	EA/SB =114 ; EM/EM=28				
5501-0077	Update Cost & Schedule Estimate	5	24MAY11*	31MAY11	16MAY11	0	122	-10	0	0.00	1,265.68	C	EM/EM =08 ;				
5501-0078	FDR Prep	14*	01JUN11	20JUN11	23MAY11	0	122	-19	0	0.00	6,328.40	C	EM/EM =40 ;				
5501-0078A	Coil Bus Runs - Peer review	0		18MAY11*		0	147	0	0	0.00	0.00	B					
5501-0079	FDR 5500	3	22JUN11*	24JUN11	15JUN11	14	121	-7	0	0.00	1,265.68	C	EM/EM =08 ;				
5501-0135	Documentation: Installation Procedure-CHI BUS	5	12NOV13*	18NOV13	18NOV13	70	130	0	0	0.00	4,395.36	C	EM/EM =24 ;				
5501-0136	Field Fit Up, Fabrication, Installation-CHI BUS	65	11MAR14	10JUN14	10JUN14	0	60	0	0	0.00	85,489.52	C	EM/SM =40 ; EA/SB =27 ; EE/EM =04 ; EM/ST =640 ;				
5501-0137	Testing-CHI BUS	3	11JUN14	13JUN14	13JUN14	79	60	0	0	0.00	7,834.80	C	EE/SB =24 ; EM/SM =24 ;				
<b>Inner TF Bundle Design</b>																	
1304-0120	N/A Analyze TF Bus Bar (xfer f/j. Chrzanowski)	17	30SEP10A	30SEP10A	30SEP10A			0	100	0.00	0.00	C	EA/EM =100 ;				
5501-0082	Prep Req & Procurement Package	10	01FEB13*	14FEB13	14FEB13	0	42	0	0	0.00	14,171.20	C	EM/EM =80 ;				
5501-0083	Submit Req to Procurement	1	15FEB13	15FEB13	15FEB13	0	42	0	0	0.00	0.00	C					
5501-0084	Procurement Lead Time	30	18FEB13	29MAR13	29MAR13	0	42	0	0	0.00	0.00	C					
5501-0085	Award Coil Bus Run	1	01APR13	01APR13	01APR13	0	42	0	0	0.00	0.00	C					
5501-0086	Copper Total	80	02APR13	25JUL13	25JUL13	0	42	0	0	0.00	22,455.56	C	EM/EM =02 ; EM/SM =08 ; EM/ST =08 ; 41=15,000 ;				
5501-0087	Insulation & Protection Total	80	02APR13	25JUL13	25JUL13	0	42	0	0	0.00	13,215.56	C	EM/EM =02 ; EM/SM =08 ; EM/ST =08 ; 41=8,000 ;				
5501-0088	SS Hardware, Fittings, Materials Total	80	02APR13	25JUL13	25JUL13	0	42	0	0	0.00	23,775.56	C	EM/EM =02 ; EM/SM =08 ; EM/ST =08 ; 41=16,000 ;				
5501-0089	G10 FR4 Total	80	02APR13	25JUL13	25JUL13	0	42	0	0	0.00	11,895.56	C	EM/EM =02 ; EM/SM =08 ; EM/ST =08 ; 41=7,000 ;				
5501-0090	Fab & Safety Consumables Total	80	02APR13	25JUL13	25JUL13	0	42	0	0	0.00	9,255.56	C	EM/EM =02 ; EM/SM =08 ; EM/ST =08 ; 41=5,000 ;				
5501-0091	Struc Support Material Total	80	02APR13	25JUL13	25JUL13	0	42	0	0	0.00	6,615.56	C	EM/EM =02 ; EM/SM =08 ; EM/ST =08 ; 41=3,000 ;				
5501-0092	Misc Total	80	02APR13	25JUL13	25JUL13	0	42	0	0	0.00	8,552.04	C	EM/EM =30 ; EM/SM =12 ; EA/SB =08 ;				
5501-0097	Fab/Assembly	140	26JUL13*	21FEB14	21FEB14	11	42	0	0	0.00	41,212.99	C	EM/EM =210 ; EE/EM =16 ;				
5501-0080	Procurementsupport	173	01OCT13*	13JUN14	13JUN14	0	31	0	0	0.00	41,661.48	C	EM/EM =210 ; EE/EM =16 ;				
FY105501	FY10 Actual Cost	85	01JAN10A	30APR10A	30APR10A			0	100	55,211.00	55,211.00	C					
FY105501A	FY10 Actual Cost	110	03MAY10A	30SEP10A	30SEP10A			0	100	76,858.00	76,858.00	C	81=129700				
<b>Job: 6100 - Control Sys Data Acquisition -SICHTA</b>																	
6100-0000	Oversight & Coordination	1,055*	03MAY10A	25JUL14	25JUL14	0	1,533	0	24	6,814.26	28,873.99	A	EC/EM =200 ;				
6100-0026	Update System documents - PDR	27	03MAY10A	09JUN10A	09JUN10A			0	100	0.00	0.00	C					
6100-0027	PDR Prep	10	10JUN10A	23JUN10A	23JUN10A			0	100	0.00	0.00	C					
6100-0032	Disposition PDR Chits - FDR	30	24JUN10A	05AUG10A	05AUG10A			0	100	0.00	0.00	C					
6100-0033	Assess workscope changes/Peer Revw	10	20MAY13	03JUN13*	20DEC10	511	1,817	-610	0	0.00	4,285.76	C	EC/EM =32 ;				
6100-0034	Delay design for NSTX run support	1	01OCT10A	29OCT10A	21DEC10			35	100	133.93	133.93	C	EC/EM =01 ;				
6100-0035B	PCS Software design analysis	51*	07MAR11A	29APR11A	09FEB11			-57	100	10,714.40	10,714.40	C	EC/EM =80 ;				
6100-0036	CAMAC Memory PCB design	94*	21DEC10A	09MAY11	09FEB11	0	126	-63	95	7,082.35	7,455.10	C	EC/EM =10 ; EC/SB =60 ;				
6100-0037	CAMAC Replacement selection	60*	21DEC10A	22MAR11A	23MAR11			1	100	4,285.76	4,285.76	C	EC/EM =32 ;				
6100-0038	Cntr Stk diags data acq design	55*	21DEC10A	15MAR11A	12JAN11			-44	100	6,212.16	6,212.16	C	EA/SB =24 ; EC/EM =24 ;				

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY				
													FY11	FY12	FY13	FY14	FY15
6100-0039	DAS upgrade for NSTX diagnostics	55*	21DEC10A	15MAR11A	02FEB11			-29	100	3,214.32	3,214.32	C	EC//EM =24 ;				
6100-0040	I&C effort due to NTC GIS rack move (REINSTALTN)	25	16APR14	20MAY14	02FEB11	75	76	-822	0	0.00	7,803.52	C		EC//EM =40 ; EC//SB=24			
6100-0041	ECN & new drawings	28	12APR12	21MAY12	30MAR11	570	571	-287	0	0.00	49,568.80	C		EC//SB =80 ; EC//EM =160 ; EA//SB =160 ;			
6100-0042	Update System documents	10	06JUN11	17JUN11	06JUN11	0	126	-9	0	0.00	8,035.80	C	EC//EM =60 ;				
6100-0043	FDR Prep 6100	64*	21MAR11A	17JUN11	09JUN11	0	126	-6	50	5,357.20	10,714.40	C	EC//EM =80 ;				
6100-0043A	Center Stack - Peer review	0		18MAY11*		0	147	0	0	0.00	0.00	B					
6100-0043B	FDR	0		22JUN11*		996	2,302	0	0	0.00	0.00	C					
6100-0044	Disposition FDR Chits	30	20JUN11	01AUG11	29JUL11	498	591	-1	0	0.00	2,142.88	C	EC//EM =16 ;				
6100-0045	Network Design	30	07MAR11A	28MAR11A	11MAY11			32	100	6,220.08	6,220.08	C	EC//EM =16 ; EC//SB =40 ;				
6100-0048	Wait for I&C Procurement Start	1	01AUG13*	01AUG13	01AUG13	41	93	0	0	0.00	149.95	C				EC//EM =01 ;	
6100-0049C	CAMAC Replacement proto	60	01OCT13*	06JAN14	06JAN14	0	112	0	0	0.00	37,360.96	C					
6100-0049D	CAMAC Replacement equipment	60	07JAN14*	31MAR14	31MAR14	111	112	0	0	0.00	195,201.20	C					
6100-0050	CAMAC Memory module	90	02OCT13*	18FEB14	18FEB14	0	51	0	0	0.00	25,672.00	C					
6100-0051	Networking equipment & fiber optics	40	01OCT13*	25NOV13	25NOV13	191	192	0	0	0.00	51,212.24	C					
6100-0052	GIS rack-move I&C fiber optics & equip.	30	16APR14*	28MAY14	28MAY14	0	1	0	0	0.00	23,048.80	C					
6100-0055	Wait for I&C Fabrication Start (per	1	02JAN13*	02JAN13	02JAN13	84	101	0	0	0.00	149.95	C					
6100-0056	I&C Peer Review	5	01MAY13*	07MAY13	07MAY13	40	62	0	0	0.00	4,055.28	C					
6100-0057C	PCS Infrastructure code & debug	60	08JUL13*	30SEP13	30SEP13	0	22	0	0	0.00	5,998.00	C					
6100-0058	PSRTC code & debug	60	01OCT13	06JAN14	06JAN14	0	22	0	0	0.00	24,804.80	C					
6100-0059	Update PSRTC Simulation models	30	07JAN14	17FEB14	17FEB14	0	22	0	0	0.00	15,140.64	C					
6100-0060	PCS code & debug	60	18FEB14	12MAY14	12MAY14	0	22	0	0	0.00	9,301.80	C					
6100-0061A	CAMAC replacement proto	120	01MAY13*	21OCT13	21OCT13	0	17	0	0	0.00	18,070.20	C					
6100-0061B	CAMAC replacement - local software	120	22OCT13	21APR14	21APR14	0	17	0	0	0.00	46,509.00	C					
6100-0062	CAMAC replacement - MDSplus changes	20	22APR14	19MAY14	19MAY14	0	17	0	0	0.00	15,503.00	C					
6100-0063	Cntr Stk diags data acq changes	10	01OCT13*	14OCT13	14OCT13	0	132	0	0	0.00	2,480.48	C					
6100-0064	F CAMAC Replacement systems fab.	90	15OCT13*	03MAR14	03MAR14	131	132	0	0	0.00	30,984.48	C					
6100-0065	CAMAC Memory module fab.	60	01OCT13*	06JAN14	06JAN14	0	162	0	0	0.00	21,955.28	C					
6100-0067	DAS programming for NSTX diags upgd	60	20MAY14	13AUG14	13AUG14	16	17	0	0	0.00	3,720.72	C					
6100-0070	Wait for I&C Installation Start (per NSTX	1	01OCT13*	01OCT13	01OCT13	0	111	0	0	0.00	155.03	C					
6100-0071	CAMAC Replacement systems install	60	02OCT13	07JAN14	07JAN14	94	111	0	0	0.00	31,285.65	C					
6100-0072	CAMAC Memory install	10	08OCT13*	21OCT13	21OCT13	216	217	0	0	0.00	2,656.12	C					
6100-0073A	NTC/DARM fiber & network install	30	19FEB14	01APR14	01APR14	34	51	0	0	0.00	2,208.08	C					
6100-0074	install I&C Thermocouple equipment	5	02OCT13*	08OCT13	08OCT13	0	211	0	0	0.00	3,128.08	C					
6100-0075	Install I&C due to NTC GIS rack relocation	60	29MAY14*	21AUG14	21AUG14	0	1	0	0	0.00	37,617.24	C					
6100-0081	CS Infrastructure tests	30	13MAY14*	24JUN14	24JUN14	0	27	0	0	0.00	13,835.36	C					



Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY								
													FY11	FY12	FY13	FY14	FY15				
FY107100A	FY10 Actual Cost	130	03MAY10A	30SEP10A	30SEP10A			0	100	226,386.00	226,386.00	A	81=226386								
<b>Project Reviews</b>																					
CS7000020R	FY2010 Project Reviews	106*	03MAY10A	30SEP10A	30SEP10A			0	100	0.00	0.00	A	41=20,000 ;								
CS7000031R	FY2011 Project Reviews	250*	01OCT10A	30SEP11	30SEP11	0	1,735	0	57	14,414.40	25,200.00	A	Reviews=20,000 ;								
CS7000041R	FY2012 Project Reviews	249	03OCT11*	28SEP12	28SEP12	0	1,735	0	0	0.00	25,800.00	A	reviews = 20,000								
CS7000052	ORA support	43	01APR14*	30MAY14	30MAY14	104	85	0	0	0.00	111,296.00	A	EA//EC =480 ; 35=20,000 ;								
CS7000053R	FY2013 Project Reviews	248	01OCT12*	30SEP13	30SEP13	429	1,735	0	0	0.00	26,400.00	A	reviews=20,000								
<b>Work Control Center</b>																					
CS7000041W	FY2012 WCC	249	03OCT11*	28SEP12	28SEP12	0	1,487	0	0	0.00	148,936.54	A	EM//SM =863 ;								
CS7000053W	FY2013 WCC	248	01OCT12*	30SEP13	30SEP13	0	1,487	0	0	0.00	304,777.08	A	EM//SM =1,726 ;								
CS7000054W	FY2014 WCC	248	01OCT13*	30SEP14	30SEP14	181	1,487	0	0	0.00	314,442.68	A	EM//SM =1726 ;								
<b>Job: 7200 - Center Stack Management-DUDEK</b>																					
<b>Project Management</b>																					
7200-01	100FY2010 CSU Management	106*	03MAY10A	30SEP10A	30SEP10A			0	100	0.00	0.00	A	EM//EM =323 ; EE//EM =288 ; 35=2,033 ; 39=4,541 ;								
7200-02	FY2011 CSU Management	250*	01OCT10A	30SEP11	30SEP11	0	1,494	0	57	127,141.17	222,274.76	A	EM//EM =777 ; EE//EM =431 ; 35=5,000 ; 39=10,900 ;								
7200-03	FY2012 CSU Management	245	03OCT11*	24SEP12	24SEP12	4	1,494	0	0	0.00	227,382.39	A	EM//EM =690 ; EE//EM =431 ; 35=5,000 ; 39=10,900 ;								
7200-04	FY2013 CSU Management	245	01OCT12*	25SEP13	25SEP13	3	1,490	0	0	0.00	215,496.25	A	EM//EM =690 ; EE//EM =345 ; 35=5,000 ; 39=10,900 ;								
7200-05	FY2014 CSU Management	248	01OCT13*	30SEP14	30SEP14	181	1,487	0	0	0.00	222,485.45	A	EM//EM =690 ; EE//EM =345 ; 35=5,184 ; 39=10900 ;								
FY107200	FY10 Actual Cost	123	02NOV09A	30APR10A	30APR10A			0	100	84,961.00	84,961.00	A									
FY107200A	FY10 Actual Cost	130	01APR10A	30SEP10A	30SEP10A			0	100	137,256.00	137,256.00	A	81=137256								
<b>Project Reviews</b>																					
7200-01R	FY2010 CSU Project Reviews	106*	03MAY10A	30SEP10A	30SEP10A			0	100	0.00	0.00	A	EM//EM =258								
7200-02R	FY2011 CSU Project EIR Reviews	250*	01OCT10A	29OCT10A	28OCT10			-1	100	49,045.10	49,045.10	C	EM//EM =310								
7200-02S	FY2011 CSU Project OPA Reviews	20	01AUG11*	26AUG11	26AUG11	950	2,256	0	0	0.00	49,045.10	C	EM//EM =310								
7200-03R	FY2012 CSU Project OPA Reviews	20	01FEB12*	28FEB12	28FEB12	230	2,093	0	0	0.00	53,781.90	C	EM//EM =310								
7200-03S	FY2012 CSU Project OPA Reviews	20	01AUG12*	28AUG12	28AUG12	228	1,965	0	0	0.00	53,781.90	C	EM//EM =310								
7200-04R	FY2013 CSU Project OPA Reviews	20	01FEB13*	28FEB13	28FEB13	227	1,863	0	0	0.00	54,913.40	C	EM//EM =310								
7200-04S	FY2013 CSU Project OPA Reviews	20	01AUG13*	28AUG13	28AUG13	228	1,737	0	0	0.00	54,913.40	C	EM//EM =310								
7200-05R	FY2014 CSU Project OPA Reviews	20	03FEB14*	28FEB14	28FEB14	330	1,636	0	0	0.00	56,773.40	C	EM//EM =310								
7200-05S	FY2014 CSU Project OPA Reviews	20	01AUG14*	28AUG14	28AUG14	203	1,509	0	0	0.00	56,773.40	C	EM//EM =310								

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	Fiscal Year					
													FY11	FY12	FY13	FY14	FY15	
<b>Job: 7300 - NB2 Management-STEVENSON</b>																		
<b>Project Management</b>																		
7300-01	FY2010 NB2 Management	106*	03MAY10A	30SEP10A	30SEP10A				0	100	0.00	0.00	A	EE//EM =372 ; EE//EM =37 ;				
7300-11	FY2011 NB2 Management	250*	01OCT10A	30SEP11	30SEP11	0	1,494		0	57	64,676.07	113,070.06	A	EE//EM =.33fte ; EE//EM =85 ;				
7300-21	FY2012 NB2 Management	245	03OCT11*	24SEP12	24SEP12	4	1,494		0	0	0.00	123,991.86	A	EE//EM =.33fte ; EE//EM =85 ;				
7300-31	FY2013 NB2 Management	245	01OCT12*	25SEP13	25SEP13	3	1,490		0	0	0.00	250,286.01	A	EE//EM =.70fte ; EE//EM =8 ;				
7300-35	FY2014 NB2 Management	248	01OCT13*	30SEP14	30SEP14	181	1,487		0	0	0.00	258,768.09	A	EE//EM =.70fte ; EE//EM =85 ;				
FY092410	FY09 Actual Cost	22*	23FEB09A	30SEP09A	30SEP09A				0	100	63,263.00	63,263.00	A					
FY102410	FY10 Actual Cost	40	01OCT09A	25NOV09A	25NOV09A				0	100	12,157.00	12,157.00	A					
FY107300	FY10 Actual Cost	123	02NOV09A	30APR10A	30APR10A				0	100	62,401.00	62,401.00	A					
FY107300A	FY10 Actual Cost	110	03MAY10A	30SEP10A	30SEP10A				0	100	62,452.00	62,452.00	A	81=62452				
<b>Project Reviews</b>																		
7300-02	FY2010 NB2 RLM's support of OPA reviews	92*	17MAY10A	06JUL10A	06JUL10A				0	100	0.00	0.00	C	EE//EM =160 ; EM//EM =320 ;				
7300-03	FY2010 NB2 RLM's support of EIR review	20	01OCT10A	29OCT10A	28OCT10				-1	100	78,289.60	78,289.60	C	EE//EM =160 ; EM//EM =320 ;				
7300-12	FY2011 NB2 RLM's support of OPA reviews	20	01AUG11*	26AUG11	26AUG11	103	1,743		0	0	0.00	78,289.60	C	EE//EM =160 ; EM//EM =320 ;				
7300-13	FY2011 NB2 RLM's support of OPA reviews	20	01FEB12*	28FEB12	28FEB12	150	1,640		0	0	0.00	85,851.20	C	EE//EM =160 ; EM//EM =320 ;				
7300-22	FY2012 NB2 RLM's support of OPA reviews	20	01AUG12*	28AUG12	28AUG12	22	1,512		0	0	0.00	85,851.20	C	EE//EM =160 ; EM//EM =320 ;				
7300-23	FY2012 NB2 RLM's support of OPA reviews	20	01FEB13*	28FEB13	28FEB13	106	1,615		0	0	0.00	87,656.00	C	EE//EM =160 ; EM//EM =320 ;				
7300-32	FY2013 NB2 RLM's support of OPA reviews	20	01AUG13*	28AUG13	28AUG13	22	1,509		0	0	0.00	87,656.00	C	EE//EM =160 ; EM//EM =320 ;				
<b>Job: 7400 - Health Physics Support-STEVENSON</b>																		
740000100	FY2010 NBI Decon HP Technical Support	106*	03MAY10A	30SEP10A	30SEP10A				0	100	0.00	0.00	A	DP//TB =1,438 ; 41=4,166 ; 43=4,166 ; 31=41,667 ;				
740000110	FY2011 NBI Decon HP Technical Support	250*	01OCT10A	30SEP11	03OCT11	0	1,735		1	57	292,520.80	511,560.45	A	DP//TB =2400 ; 41=10,000 ; 43=10,000 ; 31=100,000 ;				
740000115	FY2011 EQ Removal & Relocation HP Technical Supp	165	02APR12*	21NOV12	21NOV12	477	458		0	0	0.00	368,652.64	A	DP//TB =2,720 ;				
740000120	FY2012 NBI Decon HP Technical Support	249	03OCT11*	28SEP12	01OCT12	0	1,735		1	0	0.00	551,557.83	A	DP//TB =2,400 ; 41=10,000 ; 43=10,000 ; 31=100,000 ;				
740000125	FY2013 NBI Decon HP Technical Support	248	01OCT12	30SEP13	01OCT13	429	1,735		1	0	0.00	419,238.73	A	DP//TB =2,200 ; 41=5,000 ; 43=5,000 ; 31=50,000 ;				
740000130	FY2014 NBI Decon HP Technical Support	248	01OCT13*	30SEP14	30SEP14	181	1,487		0	0	0.00	269,865.14	A	DP//TB =1,726 ; 41=5000 ; 43=5000 ; 31=5000 ;				
FY107400	FY10 Actual Cost	260	01OCT09A	30SEP10A	30SEP10A				0	100	386,510.00	386,510.00	A	81=386510 ;				
<b>Job: 7710 - HP &amp; Other Allocations-STRYKOWSKY</b>																		
<b>HP Allocations</b>																		
1180*NUL	FY10 Actual Cost	143	01OCT09A	30SEP10A	30SEP10A				0	100	452,420.00	452,420.00	A	54X =452,420 ;				
CS9500070	NSTX Upgrade HP Allocations FY2010	106*	03MAY10A	30SEP10A	30SEP10A				0	100	0.00	0.00	A	54X =117682 ;				
CS9500080	NSTX Upgrade HP Allocations FY11	250*	01OCT10A	30SEP11	30SEP11	0	1,487		0	57	201,973.20	353,100.00	A	54X =214000				
CS9500090	NSTX Upgrade HP Allocations FY12	249	03OCT11*	28SEP12	28SEP12	0	1,487		0	0	0.00	535,040.00	A	54X =304000				
CS9500100	NSTX Upgrade HP Allocations FY13	248	01OCT12*	30SEP13	30SEP13	0	1,487		0	0	0.00	481,510.00	A	54X =269000				
CS9500110	NSTX Upgrade HP Allocations FY14	248	01OCT13*	30SEP14	30SEP14	181	1,487		0	0	0.00	414,000.00	A	54X =225000				
FY09NNUL8	FY09 Actual Cost	22*	23FEB09A	30SEP09A	30SEP09A				0	100	367,345.00	367,345.00	A					



Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY					
													FY11	FY12	FY13	FY14	FY15	
<b>Other Allocations</b>																		
1170*NUL	FY10 Actual Cost	143	01OCT09A	30SEP10A	30SEP10A			0	100	170,667.00	170,667.00	A	54X =170667 ;					
7710-10	NSTX Upgrade Direct Allocations FY2010	106	03MAY10A	30SEP10A	30SEP10A			0	100	0.00	0.00	A	54X =96059 ;					
7710-11	NSTX Upgrade Direct Allocations FY11	250*	01OCT10A	30SEP11	30SEP11	0	1,487	0	57	16,988.40	29,700.00	A	54X =18000 ;					
7710-12	NSTX Upgrade Direct Allocations FY12	249	03OCT11*	28SEP12	28SEP12	0	1,487	0	0	0.00	3,520.00	A	54X =2000 ;					
7710-13	NSTX Upgrade Direct Allocations FY13	248	01OCT12*	30SEP13	30SEP13	0	1,487	0	0	0.00	3,580.00	A	54X =2000 ;					
7710-14	NSTX Upgrade Direct Allocations FY14	248	01OCT13*	30SEP14	30SEP14	181	1,487	0	0	0.00	1,840.00	A	54X =1000 ;					
9417*NUL	FY10 Actual Cost	110	01JUN10A	30SEP10A	30SEP10A			0	100	12,934.00	12,934.00	A	54X=12934					
FY09NNUL	FY09 Actual Cost	22*	23FEB09A	30SEP09A	30SEP09A			0	100	158,969.00	158,969.00	A						
<b>Job; 8200 - CS &amp; Coil Sprt Struc Install- VIOLA</b>																		
<b>Close Vessel and Pumpdown</b>																		
FY108200	FY10 Actual Cost	123	02NOV09A	30APR10A	30APR10A			0	100	19,070.00	19,070.00	C						
FY108200A	FY10 Actual Cost	110	03MAY10A	30SEP10A	30SEP10A			0	100	6,473.00	6,473.00	C	81=19619					
<b>Management/Oversight/supervision</b>																		
8200-002	Designs complete	0	03APR12*			0	139	0	0	0.00	0.00	B						
8200-003	Sequence complete	0	03APR12*			0	139	0	0	0.00	0.00	B						
8200-004	Parts arrived	0	03APR12*			0	139	0	0	0.00	0.00	B						
8200-005	Start procedural development	0	03APR12*			0	139	0	0	0.00	0.00	B						
8200-006	Mobilize crews	0	03APR12*			0	139	0	0	0.00	0.00	B						
8200-0010	Shop Fabrication oversight 20% FTE for duration	622	03APR12*	30SEP14	30SEP14	181	1,487	0	0	0.00	152,188.51	A					0.2 fte	
8200-0011	Shop Fabrication support 1.5 FTE for duration	622	03APR12*	30SEP14	30SEP14	181	1,487	0	0	0.00	719,690.36	A					1.5 fte	
8200-0012	Assembly oversight prior to outage (fy10 & fy11)	377*	03MAY10A	31OCT11	31OCT11	0	218	0	66	41,646.32	63,100.49	A	408hrs Viola					
8200-0012A	Assembly oversight 1 FTE Engr	125	05APR12*	01OCT12	01OCT12	0	1,487	0	0	0.00	121,864.27	A	0.8 FTE Viola					
8200-0012B	Assembly oversight 0.6 FTE Engr	312	02OCT12*	13JAN14	13JAN14	0	1,487	0	0	0.00	307,786.97	A					0.8 fte Viola	
8200-0012C	Assembly oversight 1 FTE Engr	183	14JAN14*	30SEP14	30SEP14	181	1,487	0	0	0.00	208,719.16	A					0.8 fte Viola	
8200-0013	Assembly oversight 1 FTE SM	620	05APR12*	30SEP14	30SEP14	181	1,487	0	0	0.00	762,210.43	A					1.0 fte EM//SM	
8200-0014	Title 3 Support Engineer	622	03APR12*	30SEP14	30SEP14	181	1,487	0	0	0.00	186,516.75	A	EM//EM =.25fte ;					
8200-0015	Title 3 Support Drafting	622	03APR12*	30SEP14	30SEP14	181	1,487	0	0	0.00	73,180.71	A					EA//SB =518 ;	
8200-0016	OT for efficiency (2 crews 1 weekend a month)	622	03APR12*	30SEP14	30SEP14	181	1,487	0	0	0.00	264,376.43	A					31=\$127k 2x2x2x8x595/21x1	
8200-0017	MISC M&S \$250 per day* 2 crews	622	03APR12*	30SEP14	30SEP14	181	1,487	0	0	0.00	212,141.48	A					41=160000 ;	
8200-0020	PREPARE WORK PLANNING FORM	3	01NOV11*	03NOV11	03NOV11	0	218	0	0	0.00	4,163.76	C	EM//EM =24 ;					
8200-0021	Fab/AssyInstallation Procedure	20	04NOV11*	05DEC11	05DEC11	79	218	0	0	0.00	27,758.40	C	EM//EM =160 ;					
<b>Bay by Bay Diagnostic Catalogue</b>																		
8200-0026	Perform bay by bay catalogue and label Elect	12	03OCT11*	18OCT11	18OCT11	0	193	0	0	0.00	16,567.68	C	EM//SM =96 ;					
8200-0027	Perform bay by bay catalogue and label Mech	12	19OCT11*	03NOV11	03NOV11	0	193	0	0	0.00	16,567.68	C	EM//SM =96 ;					
8200-0028	Write removal procedures	60	04NOV11	07FEB12	07FEB12	39	193	0	0	0.00	82,838.40	C	EM//SM =480 ;					
8200-0028A	RF Line develop as-built assy drawing	99*	14FEB11A	01JUL11	28OCT11	0	381	83	60	8,993.52	16,437.60	C	ea/sb=120					
8200-0029	Remove RF pipes	20	03APR12*	30APR12	30APR12	94	195	0	0	0.00	154,331.60	C	ea/em ellis=60 ee/sb damico=200 em/sb miller=400					
8200-0030	Write Electrical Removal & Installation Procedur	20	03OCT11*	28OCT11	28OCT11	103	242	0	0	0.00	13,806.40	C	EM//SM =80 ;					
8200-0031	Safe, remove and store Elect	15	03APR12*	23APR12	23APR12	0	139	0	0	0.00	32,637.00	C	EM//ST =300 ;					



Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY							
													FY11	FY12	FY13	FY14	FY15			
8200-0066	PF3 Install new bolted support	8	20DEC12	09JAN13	09JAN13	0	53	0	0	0.00	17,772.80	C				EM//ST =160 ;				
8200-0067	PF3 weld reinforcement	18	10JAN13	04FEB13	04FEB13	0	274	0	0	0.00	39,988.80	C				EM//ST =360 ;				
8200-0068	PF3 Reinstall & Realign	3	05FEB13	07FEB13	07FEB13	293	274	0	0	0.00	8,886.40	C				EM//ST =80 ;				
8200-0069	PF5/U/L Disconnect existing midplane columns	4	10JAN13	15JAN13	15JAN13	0	53	0	0	0.00	8,886.40	C				EM//ST =80 ;				
8200-0070	PF4, 5 lift and install 1/4" plate	8	16JAN13	25JAN13	25JAN13	0	53	0	0	0.00	17,772.80	C				EM//ST =160 ;				
8200-0071	PF4, 5 Install newbolts and torque	6	28JAN13	04FEB13	04FEB13	0	53	0	0	0.00	13,329.60	C				EM//ST =120 ;				
8200-0072	Prefit &match drill new umbrella lid	10	05FEB13	18FEB13	18FEB13	29	53	0	0	0.00	44,432.00	C				EM//ST =400 ;				
<b>Lower Half</b>																				
8200-0076	Umbrella Lid Remove existing	1	27NOV12	27NOV12	27NOV12	0	103	0	0	0.00	4,443.20	C				EM//ST =40 ;				
8200-0076A	Umbrella Lid weld new rim	12	24JUN13	11JUL13	11JUL13	33	57	0	0	0.00	29,299.20	C				EM//ST =240 ;				
8200-0077	TF Install new clamps	12	01OCT13*	16OCT13	16OCT13	0	39	0	0	0.00	27,561.60	C				EM//ST =240 ;				
8200-0078	TF Install Vessel ties & Align	18	17OCT13	11NOV13	11NOV13	0	39	0	0	0.00	41,342.40	C				EM//ST =360 ;				
8200-0079	TF Install new hoop brace	12	12NOV13	27NOV13	27NOV13	0	39	0	0	0.00	27,561.60	C				EM//ST =240 ;				
8200-0080	TF Align and match drill new hoop brace	18	02DEC13	06JAN14	06JAN14	0	39	0	0	0.00	41,342.40	C				EM//ST =360 ;				
8200-0081	TF Install and torque all bolts	8	07JAN14	16JAN14	16JAN14	0	39	0	0	0.00	18,374.40	C				EM//ST =160 ;				
8200-0082	PF2 Mark location; lower and support	2	28NOV12	29NOV12	29NOV12	79	103	0	0	0.00	4,443.20	C				EM//ST =40 ;				
8200-0083	PF2 Replace existing hardware (bolted)	1	01APR13*	01APR13	01APR13	0	24	0	0	0.00	2,221.60	C				EM//ST =20 ;				
8200-0084	PF2 Install New plates (bolted)	4	02APR13	05APR13	05APR13	0	24	0	0	0.00	8,886.40	C				EM//ST =80 ;				
8200-0085	PF2 weld reinforcement	8	08APR13	17APR13	17APR13	0	24	0	0	0.00	17,772.80	C				EM//ST =160 ;				
8200-0086	PF2 Reinstall	2	18APR13	19APR13	19APR13	0	24	0	0	0.00	4,443.20	C				EM//ST 40 ;				
8200-0087	PF3 lower and support	2	22APR13	23APR13	23APR13	0	24	0	0	0.00	4,443.20	C				EM//ST =40 ;				
8200-0088	PF3 remove bolted support	1	24APR13	24APR13	24APR13	0	24	0	0	0.00	2,221.60	C				EM//ST =20 ;				
8200-0089	PF3 Install new bolted support	8	25APR13	06MAY13	06MAY13	0	24	0	0	0.00	17,772.80	C				EM//ST =160 ;				
8200-0090	PF3 weld reinforcement	18	07MAY13	31MAY13	31MAY13	0	24	0	0	0.00	39,988.80	C				EM//ST =360 ;				
8200-0091	PF3 Reinstall & Align	3	03JUN13	05JUN13	05JUN13	0	24	0	0	0.00	6,664.80	C				EM//ST =60 ;				
8200-0092	PF4, 5 lower and install 1/4" plate	12	06JUN13	21JUN13	21JUN13	0	24	0	0	0.00	17,772.80	C				EM//ST =20 ;				
8200-0093	PF4, 5 Install new bolts and torque	6	24JUN13	01JUL13	01JUL13	0	24	0	0	0.00	13,329.60	C				EM//ST =20 ;				
8200-0094	PF4 Install new clamps	12	02JUL13	19JUL13	19JUL13	0	24	0	0	0.00	26,659.20	C				EM//ST =240 ;				
8200-0095	PF5 U&L Reconnect & Install New Interstitial	6	22JUL13	29JUL13	29JUL13	0	24	0	0	0.00	13,329.60	C				EM//ST =120 ;				
8200-0095A	TF Reinforce clevis	12	30JUL13	14AUG13	14AUG13	0	24	0	0	0.00	26,659.20	C				EM//ST =240 ;				
8200-0095B	TF Install new TF wet layup & clamp	9	15AUG13	27AUG13	27AUG13	0	24	0	0	0.00	19,994.40	C				EM//ST =180 ;				
8200-0096	VV Umbrella legs Weld reinforcement plate	24	28AUG13	01OCT13	01OCT13	0	24	0	0	0.00	53,393.60	C				EM//ST =480 ;				
8200-0097	Umbrella leg Remove Existing hardware	5	02OCT13	08OCT13	08OCT13	0	24	0	0	0.00	11,484.00	C				EM//ST =100 ;				
8200-0098	Umbrella legs Add reinforcement plate	8	09OCT13	18OCT13	18OCT13	0	24	0	0	0.00	18,374.40	C				EM//ST =160 ;				
8200-0099	TF Install New Coil	5	21OCT13	25OCT13	25OCT13	0	24	0	0	0.00	90,468.00	C				EM//ST =200 ;				
8200-0100	Prefit & Match Drill New Umbrella Lid	10	28OCT13	08NOV13	08NOV13	0	24	0	0	0.00	45,936.00	C				41=50,000 EM//ST =400 ;				
8200-0101	VV Legs Reinforcements Plate	8	11NOV13	20NOV13	20NOV13	0	24	0	0	0.00	18,374.40	C				EM//ST =160 ;				
8200-0102	Reinstall platform sections	8	17JAN14	28JAN14	28JAN14	58	39	0	0	0.00	36,748.80	C				EM//ST =320 ;				
<b>Alignment Verification Coil &amp; VV</b>																				
8200-0105	Map internal targets to external	10	21NOV13*	06DEC13	06DEC13	0	24	0	0	0.00	37,619.20	C				EM//EM =80 ; em/st=200				

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY11	FY12	FY13	FY14	FY15	
8200-0106	Verify Vessel Alignemnt targets	10	09DEC13	20DEC13	20DEC13	0	24	0	0	0.00	37,619.20	C						EM/EM =80 ; em/st=200
8200-0107	Verify Coil Alignment Targets	20	02JAN14	29JAN14	29JAN14	0	24	0	0	0.00	75,238.40	C						EM/EM =160 ; em/st=400
8200-0108	Adjust vessel Internals	30	30JAN14	12MAR14	12MAR14	0	24	0	0	0.00	112,857.60	C						EM/EM =240 ; em/st=600
8200-0109	Adjust TF Coils	4	13MAR14	18MAR14	18MAR14	0	24	0	0	0.00	15,047.68	C						EM/EM =32 ; em/st=80
8200-0110	Adjust PF Coils	6	19MAR14	26MAR14	26MAR14	0	24	0	0	0.00	22,571.52	C						EM/EM =48 ; em/st=120
8200-0112	Fit and Install PF 1a, 1b, 1c U&L buswork	15	02OCT13*	22OCT13	22OCT13	0	33	0	0	0.00	34,452.00	C						EM//ST =300 ;
8200-0113	Fit and Install OH U&L buswork	15	23OCT13	12NOV13	12NOV13	0	33	0	0	0.00	34,452.00	C						EM//ST =300 ;
8200-0114	Install CHI & Ring bus	8	13NOV13	22NOV13	22NOV13	0	33	0	0	0.00	18,374.40	C						EM//ST =160 ;
8200-0115	Install TF coil cooling system (72)	3	25NOV13	27NOV13	27NOV13	0	33	0	0	0.00	6,890.40	C						EM//ST =60 ;
8200-0116	Install Inboard Divertor heating/cooling system	15	02DEC13	20DEC13	20DEC13	0	33	0	0	0.00	34,452.00	C						EM//ST =300 ;
8200-0117	New TF air cooled bus and support system	25	02JAN14	05FEB14	05FEB14	0	33	0	0	0.00	57,420.00	C						EM//ST =500 ;
<b>Reinstall Equipment</b>																		
8200-0120	Gas Injection System	15	21APR14	09MAY14	30APR14	0	-19	-7	0	0.00	68,904.00	C						EM//ST =600 ;
8200-0121	Reinstall insulation	10	12MAY14	23MAY14	14MAY14	0	-19	-7	0	0.00	22,968.00	C						EM//ST =200 ;
8200-0122	Platform areas reinstall	10	27MAY14	09JUN14	29MAY14	0	-19	-7	0	0.00	45,936.00	C						EM//ST =400 ;
8200-0123	Heating Manifold Reconfigure	10	06FEB14	19FEB14	19FEB14	80	86	0	0	0.00	56,718.00	C						EM//ST =200 ; 41=25,000
8200-0124	Re-install RF pipes	30	27MAY14*	08JUL14	26JUN14	63	44	-7	0	0.00	243,575.20	C						ea/em ellis=80; ee//sb damico=300 em//sb miller=600
8200-0125	Reinstall electrical Tray	40	10JUN14	05AUG14	25JUL14	0	-19	-7	0	0.00	91,872.00	C						EM//ST =800 ;
<b>Bay by Bay Diagnostic</b>																		
8200-0130	Perform bay by bay review Elect	2	27MAR14	28MAR14	28MAR14	0	24	0	0	0.00	7,287.20	C						EM//SM =40 ;
8200-0131	Perform bay by bay review Mech	2	31MAR14	01APR14	01APR14	0	24	0	0	0.00	7,287.20	C						EM//SM =40 ;
8200-0132	Write reinstallation procedures	5	02APR14	08APR14	08APR14	0	24	0	0	0.00	18,218.00	C						EM//SM =100 ;
8200-0133	Reinstall Mech	10	09APR14	22APR14	22APR14	0	24	0	0	0.00	36,748.80	C						EM//ST =320 ;
8200-0134	Reinstall Upper and lower port Eqpt	18	23APR14	16MAY14	16MAY14	18	24	0	0	0.00	66,147.84	C						EM//ST =576 ;
8200-0135	Reinstall Elect	10	06AUG14	19AUG14	08AUG14	0	-19	-7	0	0.00	22,968.00	C						EM//ST =200 ;
8200-0136	Testing	10	20AUG14	03SEP14	22AUG14	0	-19	-7	0	0.00	22,968.00	C						EM//ST =200 ;
<b>Job: 8250 - Remove/Install Centerstack-PERRY</b>																		
<b>Remove Old Centerstack</b>																		
8250-101	Disconnect Hoses	1	02JAN13*	02JAN13	02JAN13	0	161	0	0	0.00	4,967.20	C						EM//ST =32 ; EM//SM =08 ;
8250-105	Remove umbrella lid (top and bottom)	1	03JAN13	03JAN13	03JAN13	0	161	0	0	0.00	4,967.20	C						EM//ST =32 ; EM//SM =08 ;
8250-109	Remove flex bus (top and bottom)	6	04JAN13	11JAN13	11JAN13	0	161	0	0	0.00	40,466.88	C						EM//ST =288 ; EM//SM =48 ;
8250-113	Support lower support structure	4	14JAN13	17JAN13	17JAN13	0	161	0	0	0.00	26,977.92	C						EM//ST =192 ; EM//SM =32 ;
8250-117	lift old centerstack	2	18JAN13	21JAN13	21JAN13	0	161	0	0	0.00	13,488.96	C						EM//ST =96 ; EM//SM =16 ;
8250-121	Remove old centerstack pedestal	5	22JAN13	28JAN13	28JAN13	0	212	0	0	0.00	20,392.80	C						EM//ST =120 ; EM//SM =40 ;
8250-122	Purchase passive plate bolts	65	17OCT12	28JAN13	28JAN13	0	212	0	0	0.00	63,360.00	C						EM//ST =41=\$48,000
8250-122A	Replace mounting bolts for passive plates	60	29JAN13	22APR13	22APR13	231	212	0	0	0.00	85,309.44	C						EM//ST =4 people x 4 hrs x 48 plates=768
<b>Install New Centerstack</b>																		
8250-123	Dsgn Lift Fixture for new centerstack pedestals	120	01OCT12*	28MAR13	28MAR13	128	159	0	0	0.00	106,284.00	C						EM//EM =600 ;

Activity ID	Activity Description	Work Days	Forecast Start	Forecast Finish	BASELINE FINISH	Free Float	Total Float	Early Finish Schedule Slip (Days)	% Comp	Earned value cost (BCWP)	BASELINE BUDGET (BAC)	EVMS Rule	FY								
													FY11	FY12	FY13	FY14	FY15				
8250-124	Fab Lift Fixture for new centerstack pedestal	70	01OCT13*	20JAN14	20JAN14	50	31	0	0	0.00	68,623.20	C									
8250-125	Install new centerstack pedestal	10	01APR14	14APR14	03FEB14	0	-19	-50	0	0.00	46,186.00	C									
8250-129	Lift in new centerstack (2 times)	4	15APR14	18APR14	09APR14	0	-19	-7	0	0.00	27,879.04	C									
8250-133	Check vacuum seals	5	21APR14	25APR14	16APR14	0	6	-7	0	0.00	21,068.00	C									
8250-137	Install new flex bus (3 times w/2 re-machinings)	27	28APR14	04JUN14	23MAY14	0	6	-7	0	0.00	190,883.52	C									
8250-141	Install new umbrella (3 times w/2 re-machinings)	6	05JUN14	12JUN14	03JUN14	0	6	-7	0	0.00	41,818.56	C									
<b>Close Vessel and Pumpdown</b>																					
8250-145	Clean, Photo, Close VV	9	13JUN14	25JUN14	18JUN14	0	6	-5	0	0.00	79,264.80	C									
8250-149	Pumpdown	1	26JUN14	26JUN14	19JUN14	0	6	-5	0	0.00	6,969.76	C									
8250-153	Leak check	12	27JUN14	15JUL14	08JUL14	0	6	-5	0	0.00	83,637.12	C									
8250-157	Setup for Bakeout	5	16JUL14	22JUL14	15JUL14	0	6	-5	0	0.00	34,848.80	C									
8250-161	Rayleigh/Raman Scattering	5	23JUL14	29JUL14	22JUL14	25	6	-5	0	0.00	16,474.40	C									
8250-165	Bakeout	16	04SEP14	25SEP14	13AUG14	0	-19	-30	0	0.00	140,915.20	C									
8250-169	Recover from bakeout & scrub	7	26SEP14	06OCT14	22AUG14	0	-19	-30	0	0.00	48,788.32	C									
8250-173	Ready for ISTP	0		06OCT14	22AUG14	0	-19	-30	0	0.00	0.00	B									
<b>Job: 7900 - Integrated System Test-GENTILE</b>																					
<b>Integrated System Testing (WBS 1.7 / Job 7900)</b>																					
7900-110	Prepare NBI2 & CS ISTP Test Procedures	65	02OCT13*	14JAN14	14JAN14	0	127	0	0	0.00	21,976.80	C									
7900-120	Conduct ACC Review of Upgrades	40	15JAN14	11MAR14	11MAR14	146	127	0	0	0.00	30,661.60	C									
7900-140	Perform ISTP	15	07OCT14	27OCT14	29SEP14	0	-19	-20	0	0.00	14,651.20	C									
7900-150	Participate in cost and schedule reviews	911*	01OCT10A	02JUN14	03SEP14	0	84	65	16	1,080.33	6,910.71	A									
7900-999	NSTX RESUME OPERATIONS	0		27OCT14	29SEP14	0	-19	-20	0	0.00	0.00	B									
FY107900	FY10 Actual Cost	40	02NOV09A	23DEC09A	23DEC09A			0	100	3,956.00	3,956.00	C									