

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)
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FY11	FY12	FY13	FY14	FY15
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NSTX Upgrade Project

Project Milestones

Critical Decisions

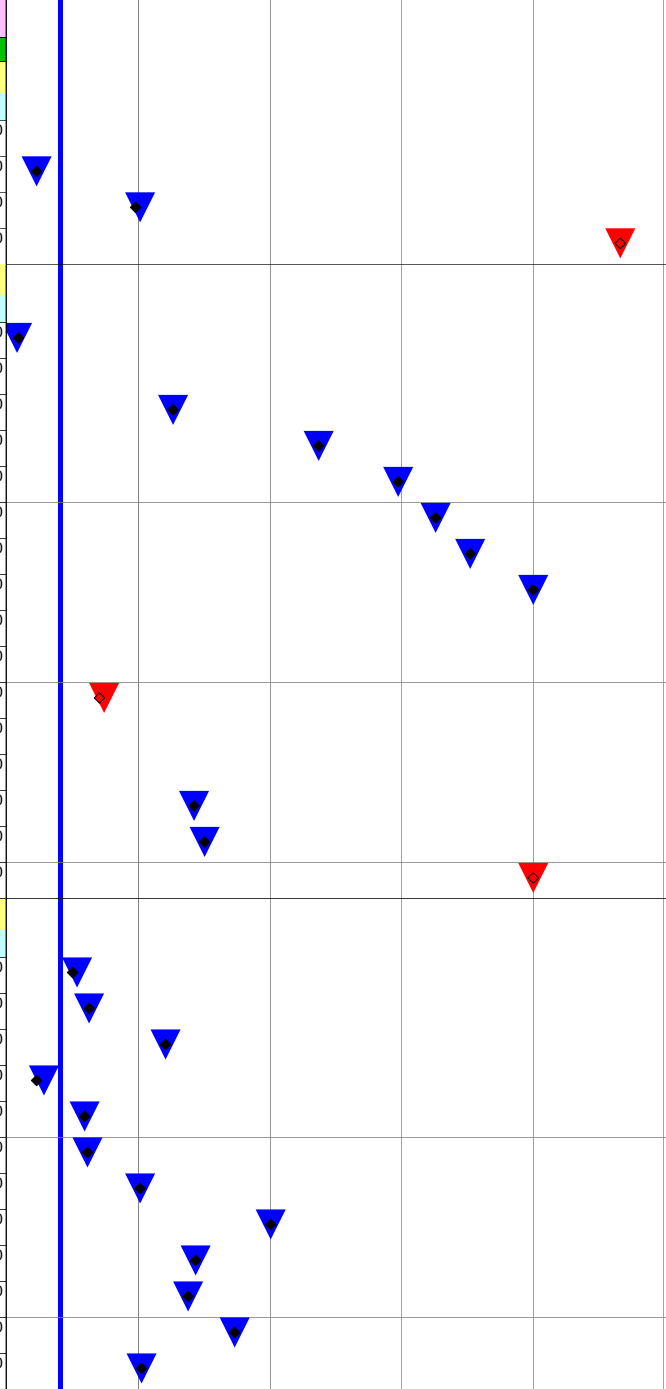
LEVEL I										
CD1A	CD1 Approval	0			15APR10A	15APR10A		0.00	100	0.00
CD2A	Receive CD-2 Approval	0			20DEC10*	20DEC10A		0.00	100	0.00
CD3A	Receive CD-3 Approval	0			23SEP11	06OCT11	119	0.00		0.00
CD4	CD4	0			29MAY15	29MAY15	0	0.00		0.00

Level 2 Milestones

LEVEL II										
1000	NB #2 Decon Program Complete	0			01NOV10*	29OCT10A		0.00	100	0.00
1010	Project Preliminary Design Review (PDR)	0			23JUN10A	23JUN10A		0.00	100	0.00
1070	Friction Stir-Weld Coil Leads TF Conductors	0			05JAN12	05JAN12	17	0.00		0.00
1150	Complete Assy And Pot Of 4th Inner TF Quadrant	0			11FEB13	11FEB13	17	0.00		0.00
1160	Complete Fabricate & test Inner TF/OH Coil Assy	0			20SEP13	20SEP13	17	0.00		0.00
1210	NB Cap Installed	0			03JAN14	03JAN14	1	0.00		0.00
1230	Lift In New Centerstack	0			09APR14	09APR14	13	0.00		0.00
1330	Complete ISTP.	0			29SEP14	29SEP14	1	0.00		0.00
CD1	Submit CD-1 Request	0			22JAN10A	22JAN10A		0.00	100	0.00
CDR	PROJECT CDR	0			28OCT09A	28OCT09A		0.00	100	0.00
FDR	PROJECT FDR	0			15JUN11*	28JUN11*	-4	0.00		0.00
LRCD2	Lehman Review	0			10AUG10A	10AUG10A		0.00	100	0.00
PDR	PROJECT PDR	0			23JUN10A	23JUN10A		0.00	100	0.00
SD-1	NSTX COMPLETE OPERATIONS	0			01MAR12*	01MAR12*	139	0.00		0.00
SD-2	BEGIN UPGRADE OUTAGE	0			02APR12	02APR12	139	0.00		0.00
SD-3	RESUME OPERATIONS (Early Start)	0			30SEP14*	30SEP14*	0	0.00		0.00

Level 3 Milestones

LEVEL 3										
1019	NBI Final Design Peer Review	0			31MAR11*	14APR11*	48	0.00		0.00
1021	CS Final Design Peer Review	0			16MAY11*	18MAY11*	2,326	0.00		0.00
1025	Award CS PFC Tiles	0			13DEC11	13DEC11	174	0.00		0.00
1030	Award Inner (TF) Conductor Material Contract	0			20DEC10	12JAN11A		0.00		0.00
1035	Award Inner (TF) Conductor Machining contract	0			03MAY11	03MAY11	57	0.00		0.00
1037	Award TF Lead Extensions	0			11MAY11	11MAY11	17	0.00		0.00
1038	Award Friction Stir Weld Contract	0			03OCT11	03OCT11	17	0.00		0.00
1040	Award Ohmic Heating (OH) Conductor	0			01OCT12	01OCT12	83	0.00		0.00
1050	Complete Machining Inner TF Conductors	0			05MAR12	05MAR12	17	0.00		0.00
1051	Deliver TF Quadrant Mold	0			14FEB12	14FEB12	183	0.00		0.00
1052	Award CS Casing	0			22JUN12	22JUN12	148	0.00		0.00
1060	Generate Center Stack (CS) Assembly Procedure	0			07OCT11	07OCT11*	454	0.00		0.00



Data Date: 28FEB11 1103
 Run Date: 18MAR11 07:52
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NSTX UPGRADES
 RESOURCE LOADED SCHEDULE
 CD-2 Schedule
 February 2011

Sheet 1 of 55
 Legend:
 - Early Bar (Cyan)
 - Progress Bar (Blue)
 - Critical Activity (Red)

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	Fiscal Year										
											FY11	FY12	FY13	FY14	FY15						
1080	Complete 1st TF inner quadrant	0			14NOV12	14NOV12	17	0.00		0.00											
1090	Award Neutral Beam (NB) Vessel Cap	0			01OCT12	01OCT12	102	0.00		0.00											
1100	OH Conductor Delivered	0			18JAN13	18JAN13	83	0.00		0.00											
1110	Award NB Rectangular Bellows Section	0			11JUN12	11JUN12	2	0.00		0.00											
1120	Complete Diagnostics Removals	0			03DEC12	03DEC12	189	0.00		0.00											
1130	Award Contract Inner Poloidal Field (PF) Coils	0			11JUN12	11JUN12	127	0.00		0.00											
1140	Lift Out Old Centerstack	0			21JAN13	21JAN13	235	0.00		0.00											
1170	Begin Final Assembly Of Centerstack	0			30SEP13	30SEP13	13	0.00		0.00											
1180	Deliver NB Rectangular Bellows Section	0			27JAN14	27JAN14	2	0.00		0.00											
1190	Deliver NB Vessel Cap	0			24JUN13	24JUN13	102	0.00		0.00											
1200	Complete Final Assembly Of Centerstack	0			31MAR14	31MAR14	13	0.00		0.00											
1220	Begin Field Coil Power Conversion DC Sys Cable I	0			30SEP13	30SEP13	13	0.00		0.00											
1240	Deliver Inner Inner PF Coils	0			22APR13	22APR13	113	0.00		0.00											
1250	Beam Box Moved and Internals Installed	0			17JAN14	17JAN14	8	0.00		0.00											
1260	Install New Umbrella	0			03JUN14	03JUN14	13	0.00		0.00											
1270	Begin Re-Installation Of Diagnostics	0			12FEB14	12FEB14	1	0.00		0.00											
1280	Complete Refurbishment Of Sources	0			01AUG14	01AUG14	20	0.00		0.00											
1290	Reinstall New Pump Duct	0			12FEB14	12FEB14	91	0.00		0.00											
1300	Begin Machine Pump down	0			18JUN14	16JUN14	13	0.00		0.00											
1310	Complete FCPC DC Systems Cable Installation	0			03FEB14	03FEB14	13	0.00		0.00											
1320	Re-Installation Of Diagnostics Complete	0			29MAY14	29MAY14	25	0.00		0.00											
CD2	Submit CD2 Request	0			05NOV10*	24NOV10A		0.00	100	0.00											
CD3	Submit CD3 Request	0			11AUG11	24AUG11	119	0.00		0.00											
LRCD3	Lehman Review	0			21JUL11	03AUG11	119	0.00		0.00											
1.1 Torus Systems																					
Job: 1000 - CSU Analytical Support-TITUS (LOE)																					
1000-0002	Maintain Global model with updated design concep	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A		0.00	100	0.00											
1000-0003	Maintain updated 96 Scenarios	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A		0.00	100	0.00											
1000-0004	Generic Tile Qualification Program	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A		0.00	100	0.00											
1000-0005	Maintain Disruption Scenarios	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A		0.00	100	0.00											
1000-0006	Develop List of in-service Inspection Areas	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A		0.00	100	0.00											
1000-0007	Dynamic Response to Normal Loads PF4/5/TF/TF OOP	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A		0.00	100	0.00											
1000-0008	Fault, FMEA evaluation and analyses	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A		0.00	100	0.00											
1000-0009	PDR Documentation	21	02JUN10A	02JUN10A	30JUN10A	30JUN10A		0.00	100	0.00											
1000-0011	Maintain Global model with updated design concep	237*	01JUL10A	01JUL10A	13JUN11	13JUN11	7	18,695.78	75	14,021.84											
1000-0012	Maintain updated 96 Scenarios	237*	01JUL10A	01JUL10A	25APR11	13JUN11	7	18,599.94	60	11,159.96											
1000-0013	Generic Tile Qualification Program	237*	01JUL10A	01JUL10A	25FEB11	13JUN11	7	36,861.73	85	31,332.47											
1000-0015	Develop List of in-service Inspection Areas(LOE)	237*	01JUL10A	01JUL10A	25APR11	13JUN11	7	18,599.94	50	9,299.97											
1000-0016	Dynamic Response to Normal Loads PF4/5/TF/TF OOP	237*	01JUL10A	01JUL10A	25FEB11	13JUN11	7	18,430.86	75	13,823.15											
1000-0017	Fault, FMEA analyses (LOE)	237*	01JUL10A	01JUL10A	25FEB11	13JUN11	7	18,430.86	20	3,686.17											
1000-0017A	CSU Analytical Support - Peer Review	0				18MAY11*	2,326	0.00		0.00											
1000-0018	FDR Prep/documentation	21	13MAY11	10MAY11*	13JUN11	08JUN11	0	19,268.00		0.00											

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											FY11	FY12	FY13	FY14	FY15
1000-0019	CONDUCT FDR	3	16MAY11	20JUN11*	13JUN11*	22JUN11	0	1,926.80		0.00					
1000-0022	Title 3 Analysis Support	819	14JUN11	23JUN11	25SEP14	06OCT14	1,483	192,959.79		0.00					
FY101000	FY10 Actual Cost	85*	04JAN10A	04JAN10A	30APR10A	30APR10A		33,760.00	100	33,760.00					
FY101000A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		6,931.00	100	6,931.00					
Job: 1001 - CS Plasma Facing Components-TRESEMER															
Design															
1001-0021	NDA, Export Control Issues	146*	03MAY10A	03MAY10A	29NOV10	29OCT10A		7,342.02	100	7,342.02					
1001-0029	PDR Prep	36	03MAY10A	03MAY10A	22JUN10A	22JUN10A		0.00	100	0.00					
1001-0030	CONDUCT PDR	2	23JUN10A	23JUN10A	24JUN10A	24JUN10A		0.00	100	0.00					
1001-0031	Receipt of Material data	110*	23JUN10A	23JUN10A	29NOV10	29OCT10A		296.49	100	296.49					
1001-0031A	Processing of Material data	5	30NOV10	01NOV10A	06DEC10	05NOV10A		316.42	100	316.42					
1001-0032	Order Samples for testing (6 wks lead)	149*	23JUN10A	23JUN10A	28FEB11	31JAN11A		19,616.75	100	19,616.75					
1001-0034	PDR chit resolution	60*	25JUN10A	25JUN10A	20SEP10A	20SEP10A		0.00	100	0.00					
1001-0035	Update WAF for Lehman Review (prep)	30	25JUN10A	25JUN10A	06AUG10A	06AUG10A		0.00	100	0.00					
1001-0036	Generic Tile Qualification Program	61*	25JUN10A	25JUN10A	21SEP10A	21SEP10A		0.00	100	0.00					
1001-0037	Lehman Review	2	10AUG10A	10AUG10A	11AUG10A	11AUG10A		0.00	100	0.00					
1001-0038A	Fastener Mock-up	77*	02SEP10A	02SEP10A	06DEC10	22DEC10A		45,436.17	100	45,436.17					
1001-0039	Disruption Forces - Final Tile Analysis	75*	12AUG10A	12AUG10A	29NOV10	29OCT10A		21,008.28	100	21,008.28					
1001-0040	Thermal system - Final Tile Analysis	52*	18OCT10*	18OCT10A	30NOV10	07JAN11A		26,630.60	100	26,630.60					
1001-0041	Fastener Scheme - Final Tile Analysis	58*	14JAN11*	16DEC10A	25FEB11	15MAR11	228	37,473.80	50	18,736.90					
1001-0043	Part re-design	37*	28FEB11	24FEB11A	25MAR11	15APR11	228	21,264.00	20	4,252.80					
1001-0044	Tile adjustments/Drawings	25*	28MAR11	24MAR11*	15APR11	27APR11	210	10,885.28		0.00					
1001-0045	Fastener Prototype	45*	25MAR11*	15FEB11A	27MAY11	18APR11	210	48,489.24	15	7,273.39					
1001-0046	Testing	20	31MAY11	19APR11	27JUN11	16MAY11	210	16,651.50		0.00					
1001-0048	Mechanical - Material Testing	59*	01MAR11*	20DEC10A	28MAR11	18MAR11	26	20,132.30	40	8,052.92					
1001-0049	Thermal - Material Testing	53*	01MAR11	20DEC10A	21MAR11	10MAR11	26	12,999.70	70	9,099.79					
1001-0050	Review Data - Material Testing	10	22MAR11	11MAR11	04APR11	24MAR11	26	6,328.40		0.00					
1001-0053	Make Material Choices	10	05APR11*	25MAR11	18APR11	07APR11	26	6,328.40		0.00					
1001-0054	Finalize Designs/Drawings	45	28JUN11*	17MAY11	30AUG11	20JUL11	210	50,628.64		0.00					
1001-0055	Drawings (Assem/Installation)	287*	11OCT10*	01NOV10A	21DEC11	23DEC11	392	194,749.87	5	9,737.49					
1001-0056	Prep Procurement Specs	15	31AUG11	21JUL11	21SEP11	10AUG11	210	4,746.30		0.00					
1001-0056A	CS Plasma Facing Components Peer Review	0				18MAY11*	2,326	0.00		0.00					
1001-0057	FDR Prep	25	13MAY11*	13MAY11*	10JUN11	17JUN11	1	34,174.08		0.00					
1001-0058	CONDUCT FDR	2	13JUN11	20JUN11	14JUN11	21JUN11	1	7,612.80		0.00					
Procure, Fab & Assembly															
1001-0062	Prep Req & Proc Package - Tiles (CFC)	9	03OCT11*	03OCT11*	13OCT11	13OCT11	174	6,939.60		0.00					
1001-0063	Submit Req. to Procurement - Tiles (CFC)	2	14OCT11	14OCT11	17OCT11	17OCT11	174	693.96		0.00					
1001-0064	Bid & Award (Procurement Lead Time - Tiles (CFC)	40	18OCT11	18OCT11	14DEC11	14DEC11	174	5,551.68		0.00					
1001-0065	Award - Tiles (CFC)	1	14DEC11*	14DEC11*	14DEC11	14DEC11	174	0.00		0.00					
1001-0066	Fabricate and Deliver - CFC Material	160	15DEC11	15DEC11	06AUG12	06AUG12	174	432,818.40		0.00					

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											FY11	FY12	FY13	FY14	FY15	
1001-0066B	Prep Req & Proc Package - Machine Tiles (CFC)	10	04JUN12	04JUN12	15JUN12	15JUN12	121	6,049.80		0.00						
1001-0066C	Submit Req. to Procurement - Machine Tiles (CFC)	2	31JUL12	31JUL12	01AUG12	01AUG12	136	693.96		0.00						
1001-0066D	Bid & Award (Proc Lead Time - Machine Tiles(CFC)	39	02AUG12	02AUG12	26SEP12	26SEP12	136	5,551.68		0.00						
1001-0066E	Award - Machine Tiles (CFC)	2	27SEP12	27SEP12	28SEP12	28SEP12	136	0.00		0.00						
1001-0066F	Fabricate/Machine tiles + diagnostics	85	01OCT12*	01OCT12*	07FEB13	07FEB13	136	321,316.90		0.00						
1001-0069	Tile Bakeout	40	08FEB13	08FEB13	04APR13	04APR13	136	66,000.00		0.00						
1001-0071	Prep Req & Proc Package - hardware, other materl	10	18JUN12*	18JUN12*	29JUN12	29JUN12	121	6,049.80		0.00						
1001-0072	Submit Req. to Procurement - hardware, other mat	2	02JUL12	02JUL12	03JUL12	03JUL12	121	693.96		0.00						
1001-0073	Procurement Lead Time - hardware, other material	40	05JUL12	05JUL12	29AUG12	29AUG12	121	5,551.68		0.00						
1001-0074	Award - hardware, other materials	1	30AUG12	30AUG12	30AUG12	30AUG12	121	0.00		0.00						
1001-0075	Fabricate and Deliver - hardware, other material	160	31AUG12	31AUG12	25APR13	25APR13	121	282,951.30		0.00						
1001-0078	Fab/Assembly Procedures	30	08JUL13	08JUL13	16AUG13	16AUG13	13	21,256.80		0.00						
1001-0079	Tile Assembly with Hardware	40	01OCT13*	01OCT13*	25NOV13	25NOV13	13	40,312.48		0.00						
1001-0082	Installation Procedure	30	19AUG13	19AUG13	30SEP13	30SEP13	13	21,256.80		0.00						
1001-0083	Tile Re-fit, as needed, additional machining	30	01OCT13*	01OCT13*	11NOV13	11NOV13	13	34,887.20		0.00						
FY091001	FY09 Actual Cost	22	23FEB09A	23FEB09A	30SEP09A	30SEP09A		64,576.00	100	64,576.00						
FY101001	FY10 Actual Cost	100*	01DEC09A	01DEC09A	30APR10A	30APR10A		103,885.00	100	103,885.00						
FY101001A	FY10 Actual Cost	130	01APR10A	01APR10A	30SEP10A	30SEP10A		99,233.32	100	99,233.32						
FY101110	FY10 Actual Cost	85	01OCT09A	01OCT09A	31JAN10A	31JAN10A		49,992.00	100	49,992.00						
Job: 1002 -Passive Plate Analysis &Upgrade-TITUS																
1000-0014	Maintain Disruption Scenarios (xfer from 1000)	169*	01JUL10A	01JUL10A	25FEB11	08MAR11	75	18,430.86	70	12,901.60						
1002-0005	Check/Correct Vector Potential Solution	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A		0.00	100	0.00						
1002-0014	Disposition PDR Chits	144*	02JUN10A	02JUN10A	03JAN11	02DEC10A		14,413.76	100	14,413.76						
1002-0015	Check/Correct Vector Potential Solution	200*	02JUN10A	02JUN10A	22MAR11	29OCT10A		14,693.94	100	14,693.94						
1002-0016	Run Disruption files based on lower background F	200*	02JUN10A	02JUN10A	22MAR11	29OCT10A		11,020.46	100	11,020.46						
1002-0017	Add Halo Loads	200*	02JUN10A	02JUN10A	22MAR11	22MAR11	64	7,346.97	60	4,408.18						
1002-0018	Complete Bolting and Bracket Evaluation	200*	02JUN10A	02JUN10A	22MAR11	22MAR11	64	3,673.49	75	2,755.12						
1002-0019	Monitor fiberoptic Disruption Instrumentation	200*	02JUN10A	02JUN10A	22MAR11	02DEC10A		7,346.97	100	7,346.97						
1002-0020	Fatigue Assessment / Evaluation	200*	02JUN10A	02JUN10A	22MAR11	22MAR11	64	7,346.97	75	5,510.23						
1002-0021	Input to the DCPS	200*	02JUN10A	02JUN10A	22MAR11	29OCT10A		7,346.97	100	7,346.97						
1002-0025	Procure 100 718 bolts	200*	02JUN10A	02JUN10A	22MAR11	22MAR11	64	4,899.49	20	734.70						
1002-0029	Bracket re-work, in-house	200*	02JUN10A	02JUN10A	22MAR11	22MAR11	64	3,673.49	10	367.35						
1002-0030	Drawing Update (As Builts)	200*	02JUN10A	02JUN10A	22MAR11	22MAR11	64	7,346.97	50	3,673.49						
1002-0099	PP analysis complete for FDR	58*	23MAR11*	03JAN11A	23MAR11	23MAR11	64	0.00	75	0.00						
FY101002	FY10 Actual Cost	105	04JAN10A	04JAN10A	28MAY10A	28MAY10A		84,302.00	100	84,302.00						
FY101002A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		59,078.00	100	59,078.00						
Job: 1200 - Vacuum Vsl & Struct Support-SMITH																
FY091210	FY09 Actual Cost	22*	23FEB09A	23FEB09A	30SEP09A	30SEP09A		571,717.00	100	571,717.00						
FY101200	FY10 Actual Cost	100	01DEC09A	01DEC09A	30APR10A	30APR10A		370,213.00	100	370,213.00						

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											FY11	FY12	FY13	FY14	FY15	
FY101200A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		360,410.00	100	360,410.00	81=349,900					
FY101210	FY10 Actual Cost	150	01OCT09A	01OCT09A	28MAY10A	28MAY10A		207,020.00	100	207,020.00						
Job: 1201 - Outer TF Structures-SMITH																
1201-0009	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	30	03MAY10A	03MAY10A	14JUN10A	14JUN10A		0.00	100	0.00						
1201-0010	Complete Preliminary CAD Models	10	09JUN10A	09JUN10A	22JUN10A	22JUN10A		0.00	100	0.00						
1201-0011	Mockups:outer link, real estate issues(# of it 4	66	03MAY10A	03MAY10A	04AUG10A	04AUG10A		0.00	100	0.00						
1201-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	32	03MAY10A	03MAY10A	16JUN10A	16JUN10A		0.00	100	0.00						
1201-0014	Analysis of Preliminary Design Approved	1	16JUN10A	16JUN10A	16JUN10A	16JUN10A		0.00	100	0.00						
1201-0016	PDR	1	24JUN10A	24JUN10A	24JUN10A	24JUN10A		0.00	100	0.00						
1201-0018	Dsgn Eng & CAD Models: Iterations, Optim & Updat	61*	24JUN10A	24JUN10A	16AUG10A	16AUG10A		0.00	100	0.00						
1201-0021	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A	11AUG10A		0.00	100	0.00						
1201-0024	PDR CAD model Compld-Outr supp ring/clamp/sprng	1	16AUG10A	16AUG10A	16AUG10A	16AUG10A		0.00	100	0.00						
1201-0028	Det Dsgn Eng, CAD/Analysis Iterations(34mod)	147*	17SEP10A	17AUG10A	16FEB11	22MAR11	15	29,890.46	90	26,901.42	EM/EM =31 ; EA/SB =202 ;					
1201-0029	Update Design Drawings	1	24JUN10A	24JUN10A	16AUG10A	16AUG10A		0.00	100	0.00						
1201-0030	Design Drawings (13dw)	35*	17FEB11	23FEB11A	21APR11	12APR11	15	14,572.74	15	2,185.92	EM/EM =10 ; EA/SB =104 ;					
1201-0031	Final Design Analysis	120*	01OCT10	24SEP10A	21FEB11	22MAR11	15	77,842.72	87	67,723.17	EA/EM =404					
1201-0031B	N/A Analysis: Ring, Bracket, Spring Link	57*	16AUG10A	16AUG10A	16AUG10A	16AUG10A		0.00	100	0.00						
1201-0031C	N/A Analysis:Keep Clevis Bracket Load Stress Upd	63*	16AUG10A	16AUG10A	16AUG10A	16AUG10A		0.00	100	0.00						
1201-0031D	N/A OTF Analysis: Fatigue Assesment	63*	16AUG10A	16AUG10A	16AUG10A	16AUG10A		0.00	100	0.00						
1201-0031E	N/A Analysis: Write, Check, File Calculations	63*	16AUG10A	16AUG10A	16AUG10A	16AUG10A		0.00	100	0.00						
1201-0031F	N/A Analysis: DCOS Input	63*	16AUG10A	16AUG10A	16AUG10A	16AUG10A		0.00	100	0.00						
1201-0031G	N/A Analysis: Insul Bond Shear/Copper Stress/CC	63*		16AUG10A		16AUG10A		0.00	100	0.00						
1201-0032	Validation of Design Complete	47*	22APR11	21FEB11A	05MAY11	26APR11	15	5,780.40	5	289.02	EA/EM =30					
1201-0033	Update CAD Models per Validation	57*	06MAY11	21FEB11A	19MAY11	10MAY11	15	4,246.94	5	212.35	EA/SB =34 ;					
1201-0034	Revise Fabrication & Assembly Drawings per Valid	10	20MAY11	11MAY11	03JUN11	24MAY11	15	6,495.32		0.00	EA/SB =52 ;					
1201-0035	Review, Check Drawings	4	06JUN11	25MAY11	10JUN11	31MAY11	15	7,361.12		0.00	EM/EM =26 ; EA/SB =26 ;					
1201-0036	Drawings ready for FDR	1	13JUN11	01JUN11	13JUN11	01JUN11	15	0.00		0.00						
1201-0038	FDR	1	14JUN11	01JUN11	14JUN11*	01JUN11*	15	0.00		0.00						
1201-0042	Prep Req & Procurement Package	10	01JUN12*	01JUN12*	14JUN12	14JUN12	85	5,551.68		0.00	EM/EM =32 ;					
1201-0043	Submit Req to Procurement	1	14JUN12	14JUN12	14JUN12	14JUN12	85	0.00		0.00						
1201-0044	Procurement Processing	22	14JUN12	14JUN12	16JUL12	16JUL12	85	0.00		0.00						
1201-0045	Submit for Vendor Quotes	1	17JUL12	17JUL12	17JUL12	17JUL12	85	0.00		0.00						
1201-0046	Eval Quotes	43	17JUL12	17JUL12	14SEP12	14SEP12	85	1,387.92		0.00	EM/EM =08 ;					
1201-0047	Tech Eval of Vendors	43	17JUL12	17JUL12	14SEP12	14SEP12	85	2,775.84		0.00	EM/EM =16 ;					
1201-0048	Award / Order Approved	1	17SEP12	17SEP12	17SEP12	17SEP12	85	0.00		0.00						
1201-0048A	Fabricate Components - Outer TF Structure	100	18SEP12	18SEP12	15FEB13	15FEB13	85	509,784.56		0.00	EM/EM =41=386,992 ;					
1201-0049	Vendor Oversight	100	18SEP12	18SEP12	15FEB13	15FEB13	85	7,072.46		0.00	EM/EM =40 ;					
1201-0050	Receipt of Hardware	4	18FEB13	18FEB13	21FEB13	21FEB13	85	0.00		0.00						
1201-0051	QA Inspection	10	22FEB13	22FEB13	07MAR13	07MAR13	95	6,926.10		0.00	EM/EM =9 ; EM/ST =48 ;					
1201-0052	Resolve Procurement Issues	5	18FEB13	18FEB13	22FEB13	22FEB13	85	354.28		0.00	EM/EM =02 ;					
1201-0053	Documentation: Assembly Procedures	15	18FEB13	18FEB13	08MAR13	08MAR13	94	4,810.80		0.00	EM/EM =24 ; EA/SB =04 ;					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY					
											FY11	FY12	FY13	FY14	FY15	
1203-0034	Revise Fabrication & Assembly Dwngs per Validatn	67*	16MAY11	21FEB11A	27MAY11	24MAY11	8	999.28	5	49.96		EA/SB =08 ;				
1203-0035	Review, Check Drawings	10	31MAY11	25MAY11	13JUN11	08JUN11	8	1,448.90		0.00		EM/EM =06 ; EA/SB =04 ;				
1203-0036	Drawings ready for FDR	1	14JUN11	09JUN11	14JUN11	09JUN11	8	0.00		0.00						
1203-0038	FDR	1	15JUN11*	10JUN11*	15JUN11	10JUN11	8	0.00		0.00						
1203-0042	Prep Req & Procurement Package:inconel Bolts	5	03OCT11*	03OCT11*	07OCT11	07OCT11	172	2,081.88		0.00		EM/EM =12 ;				
1203-0043	Submit Req to Procurement	1	07OCT11	07OCT11	07OCT11	07OCT11	172	0.00		0.00						
1203-0044	Procurement Processing	22	07OCT11	07OCT11	07NOV11	07NOV11	172	0.00		0.00						
1203-0045	Submit for Vendor Quotes	1	08NOV11	08NOV11	08NOV11	08NOV11	172	0.00		0.00						
1203-0046	Eval Quotes	43	08NOV11	08NOV11	17JAN12	17JAN12	172	173.49		0.00		em/em=1				
1203-0048	Award / Order Approved	1	18JAN12	18JAN12	18JAN12	18JAN12	172	0.00		0.00						
1203-0049	Vendor Oversight	100	19JAN12	19JAN12	07JUN12	07JUN12	172	173.49		0.00		em/em=1				
1203-0050	Receipt of Hardware	5	08JUN12	08JUN12	14JUN12	14JUN12	172	6,811.20		0.00		41=5,280 ;				
1203-0051	QA Inspection	10	15JUN12	15JUN12	28JUN12	28JUN12	172	1,129.12		0.00		EM/EM =04 ; EM/ST =04 ;				
1203-0055	Parts ready for installation	1	29JUN12	29JUN12	29JUN12	29JUN12	172	0.00		0.00						
1203-0056	Handling / Warehouse / Storage	1	29JUN12	29JUN12	29JUN12	29JUN12	172	108.79		0.00		em/st=1				
Job: 1204 - PF4/5 Leads & Radial Supports-SMITH																
1204-0009	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	10	18MAY10A	18MAY10A	01JUN10A	01JUN10A		0.00	100	0.00						
1204-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	24	19MAY10A	19MAY10A	22JUN10A	22JUN10A		0.00	100	0.00						
1204-0014	Analysis of Preliminary Design Approved	1	22JUN10A	22JUN10A	22JUN10A	22JUN10A		0.00	100	0.00						
1204-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A		0.00	100	0.00						
1204-0021	DOE CD-2 (Lehman) Review	1	10AUG10A	10AUG10A	10AUG10A	10AUG10A		0.00	100	0.00						
1204-0028	Update CAD & Design Drawings(2mod/2dwg)	154*	17AUG10A	17AUG10A	04FEB11	31MAR11	6	3,610.59	90	3,249.53		EM/EM =06 ; EA/SB =22 ;				
1204-0030	N/A Dsg Drawings Ready for Checking & Validation	1	16AUG10A	16AUG10A	16AUG10A	16AUG10A		0.00	100	0.00						
1204-0032	Analysis & Validation of Design Complete	126*	07FEB11	04OCT10A	01APR11	07APR11	6	4,624.32	80	3,699.46		EA/EM =24 ;				
1204-0033	Update CAD Models per Validation	49*	04APR11	21FEB11A	22APR11	28APR11	6	249.82	5	12.49		EA/SB =2 ;				
1204-0034	Revise Fabrication & Assembly Drawings per Valid	64*	25APR11	21FEB11A	13MAY11	19MAY11	6	999.28	5	49.96		EA/SB =8 ;				
1204-0035	Review, Check Drawings	15	16MAY11	20MAY11	06JUN11	10JUN11	6	1,290.69		0.00		EM/EM =5 ; EA/SB =4 ;				
1204-0036	Drawings ready for FDR	1	07JUN11	13JUN11	07JUN11	13JUN11	6	0.00		0.00						
1204-0038	FDR	1	08JUN11*	14JUN11*	08JUN11	14JUN11	6	0.00		0.00						
1204-0039	NOTE: Only visco mtl (shim) rqrd. incl in 1208	0	16JAN13	16JAN13	15JAN13	15JAN13	53	0.00		0.00						
Job: 1205 - Umbrella-SMITH																
Lower Umbrella																
1205-0008	Input F/Analysis Group:Interface Detail to CS	1	01JUN10A	01JUN10A	01JUN10A	01JUN10A		0.00	100	0.00						
1205-0009	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	30	03MAY10A	03MAY10A	14JUN10A	14JUN10A		0.00	100	0.00						
1205-0010	Complete Preliminary CAD Models	10	09JUN10A	09JUN10A	22JUN10A	22JUN10A		0.00	100	0.00						
1205-0011	Mockups:CS Struct Real Estate Issues	66	03MAY10A	03MAY10A	04AUG10A	04AUG10A		0.00	100	0.00						
1205-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	32	03MAY10A	03MAY10A	16JUN10A	16JUN10A		0.00	100	0.00						
1205-0014	Analysis of Preliminary Design Approved	1	16JUN10A	16JUN10A	16JUN10A	16JUN10A		0.00	100	0.00						
1205-0016	PDR	1	24JUN10A	24JUN10A	24JUN10A	24JUN10A		0.00	100	0.00						
1205-0018	Dsgn Eng & CAD Models: Iterations, Optim & Updat	38	24JUN10A	24JUN10A	17AUG10A	17AUG10A		0.00	100	0.00						
1205-0021	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A	11AUG10A		0.00	100	0.00						
1205-0024	PDR CAD model Compld-Outr supp ring/clamp/sprng	1	18AUG10A	18AUG10A	18AUG10A	18AUG10A		0.00	100	0.00						

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY11					FY12					FY13					FY14					FY15				
											FY11					FY12					FY13					FY14					FY15				
1205-0028	Det Dsgn Eng. CAD/Analysis Iterations(15mod)	154*	03SEP10A	17AUG10A	18FEB11	31MAR11	34	24,115.02	90	21,703.52	EM//EM =56 ; EA//SB =125 ;																								
1205-0029	Final design Analysis	155*	03SEP10A	16AUG10A	18FEB11	31MAR11	34	46,479.62	75	34,859.71	EA//EM =180 ; EM//EM =80 ;																								
1205-0030	Design Drawings (11dwgs)	35*	21FEB11	23FEB11A	12APR11	12APR11	34	12,257.76	15	1,838.66	EM//EM =08 ; EA//SB =88 ;																								
1205-0032	Validation of Design Complete	10	13APR11	13APR11*	26APR11	26APR11	34	2,890.20		0.00	EA//EM =15 ;																								
1205-0033	Update CAD Models per Validation	57*	27APR11	21FEB11A	10MAY11	10MAY11	14	1,873.65	5	93.68	EA//SB =15 ;																								
1205-0034	Revise Fabrication & Assembly Drawings per Valid	67*	11MAY11	21FEB11A	24MAY11	24MAY11	14	5,496.04	5	274.80	EA//SB =44 ;																								
1205-0035	Review, Check Drawings	4	25MAY11	25MAY11	01JUN11	31MAY11	14	7,494.32		0.00	EM//EM =30 ; EA//SB =22 ;																								
1205-0036	Drawings ready for FDR	1	02JUN11	01JUN11	02JUN11	01JUN11	14	0.00		0.00																									
1205-0038	FDR	1	03JUN11*	15JUN11*	03JUN11	15JUN11	5	0.00		0.00																									
1205-0042	Prep Req & Procurement Package	10	01AUG12*	01AUG12*	14AUG12	14AUG12	57	6,939.60		0.00						EM//EM =40 ;																			
1205-0043	Submit Req to Procurement	1	14AUG12	14AUG12	14AUG12	14AUG12	57	0.00		0.00																									
1205-0044	Procurement Processing	22	14AUG12	14AUG12	13SEP12	13SEP12	57	0.00		0.00																									
1205-0045	Submit for Vendor Quotes	1	14SEP12	14SEP12	14SEP12	14SEP12	57	0.00		0.00																									
1205-0046	Eval Quotes	43	14SEP12	14SEP12	13NOV12	13NOV12	57	1,409.65		0.00						EM//EM =08 ;																			
1205-0047	Tech Eval of Vendors	43	14SEP12	14SEP12	13NOV12	13NOV12	57	1,409.65		0.00						EM//EM =08 ;																			
1205-0048	Award / Order Approved	1	14NOV12	14NOV12	14NOV12	14NOV12	57	0.00		0.00																									
1205-0049	Fab & Deliver incl Vendor Oversight	102	15NOV12	15NOV12	18APR13	18APR13	57	188,224.04		0.00						EM//EM =10 ; 41=141,252																			
1205-0050	Receipt of Hardware	4	19APR13	19APR13	24APR13	24APR13	57	0.00		0.00																									
1205-0051	QA Inspection	10	25APR13	25APR13	08MAY13	08MAY13	57	7,457.52		0.00						EM//EM =12 ; EM//ST =48 ;																			
1205-0052	Resolve Procurement Issues	5	09MAY13	09MAY13	15MAY13	15MAY13	57	354.28		0.00						EM//EM =02 ;																			
1205-0053	Documentation: Assembly Procedures	10	16MAY13	16MAY13	30MAY13	30MAY13	57	3,393.68		0.00						EM//EM =16 ; EA//SB =04 ;																			
1205-0054	Assembly of Components	15	31MAY13	31MAY13	20JUN13	20JUN13	57	4,263.12		0.00						EM//EM =04 ; EM//ST =32 ;																			
1205-0055	Parts ready for installation	1	21JUN13	21JUN13	21JUN13	21JUN13	57	0.00		0.00																									
1205-0056	Handling / Warehouse / Storage	3	24JUN13	24JUN13	26JUN13	26JUN13	195	888.64		0.00						EM//ST =08 ;																			
Upper Umbrella																																			
1205-0066	Input F/Analysis Group:Interface Detail to CS	1	01JUN10A	01JUN10A	01JUN10A	01JUN10A		0.00	100	0.00																									
1205-0067	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	30	03MAY10A	03MAY10A	14JUN10A	14JUN10A		0.00	100	0.00																									
1205-0068	Complete Preliminary CAD Models	10	09JUN10A	09JUN10A	22JUN10A	22JUN10A		0.00	100	0.00																									
1205-0069	Mockups:CS Struct Real Estate Issues	66	03MAY10A	03MAY10A	04AUG10A	04AUG10A		0.00	100	0.00																									
1205-0071	ME Analysis/CAD Model Iterations-Strss/EM/Therml	32	03MAY10A	03MAY10A	16JUN10A	16JUN10A		0.00	100	0.00																									
1205-0072	Analysis of Preliminary Design Approved	1	16JUN10A	16JUN10A	16JUN10A	16JUN10A		0.00	100	0.00																									
1205-0074	PDR	1	24JUN10A	24JUN10A	24JUN10A	24JUN10A		0.00	100	0.00																									
1205-0076	Dsgn Eng & CAD Models: Iterations, Optim & Updat	38	24JUN10A	24JUN10A	17AUG10A	17AUG10A		0.00	100	0.00																									
1205-0079	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A	11AUG10A		0.00	100	0.00																									
1205-0081	PDR CAD model Compld-Outr supp ring/clamp/sprng	1	18AUG10A	18AUG10A	18AUG10A	18AUG10A		0.00	100	0.00																									
1205-0086	Final Dsgn Eng Iterations, DetailCAD (15mod)	154*	03SEP10A	17AUG10A	04FEB11	31MAR11	34	18,489.33	90	16,640.39	EM//EM =20 ; EA//SB =125 ;																								
1205-0087	Final Design Analysis	154*	03SEP10A	17AUG10A	04FEB11	31MAR11	34	46,395.35	75	34,796.51	EA//EM =180 ; EM//EM =80 ;																								
1205-0088	Design Drawings (11dwgs)	35*	07FEB11	23FEB11A	22APR11	12APR11	34	12,257.76	15	1,838.66	EM//EM =8 ; EA//SB =88 ;																								
1205-0090	Validation of Design Complete	10	25APR11	13APR11	06MAY11	26APR11	34	2,890.20		0.00	EA//EM =15 ; EA//SB =0 ;																								
1205-0091	Update CAD Models per Validation	57*	09MAY11	21FEB11A	20MAY11	10MAY11	14	1,873.65	5	93.68	EA//SB =15 ;																								
1205-0092	Revise Fabrication & Assembly Drawings per Valid	67*	23MAY11	21FEB11A	06JUN11	24MAY11	14	5,496.04	5	274.80	EA//SB =44 ;																								
1205-0093	Review, Check Drawings	4	07JUN11	25MAY11	13JUN11	31MAY11	14	7,494.32		0.00	EM//EM =30 ; EA//SB =22 ;																								

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY										
											FY11	FY12	FY13	FY14	FY15						
1205-0094	Drawings ready for FDR	1	14JUN11	01JUN11	14JUN11	01JUN11	14	0.00		0.00											
1205-0096	FDR	1	15JUN11*	15JUN11*	15JUN11	15JUN11	5	0.00		0.00											
1205-0100	Prep Req & Procurement Package	10	01NOV12*	01NOV12*	14NOV12	14NOV12	90	7,085.60		0.00											
1205-0101	Submit Req to Procurement	1	14NOV12	14NOV12	14NOV12	14NOV12	90	0.00		0.00											
1205-0102	Procurement Processing	22	14NOV12	14NOV12	17DEC12	17DEC12	90	0.00		0.00											
1205-0103	Submit for Vendor Quotes	1	18DEC12	18DEC12	18DEC12	18DEC12	90	0.00		0.00											
1205-0104	Eval Quotes	43	18DEC12	18DEC12	25FEB13	25FEB13	90	1,417.12		0.00											
1205-0105	Tech Eval of Vendors	43	18DEC12	18DEC12	25FEB13	25FEB13	90	1,417.12		0.00											
1205-0106	Award / Order Approved	1	26FEB13	26FEB13	26FEB13	26FEB13	90	0.00		0.00											
1205-0107	Vendor Oversight	102	27FEB13	27FEB13	23JUL13	23JUL13	90	7,085.60		0.00											
1205-0108	Receipt of Hardware	5	24JUL13	24JUL13	30JUL13	30JUL13	90	186,452.64		0.00											
1205-0109	QA Inspection	10	31JUL13	31JUL13	13AUG13	13AUG13	90	7,457.52		0.00											
1205-0110	Resolve Procurement Issues	5	14AUG13	14AUG13	20AUG13	20AUG13	90	354.28		0.00											
1205-0111	Documentation: Assembly Procedures	10	21AUG13	21AUG13	04SEP13	04SEP13	90	3,393.68		0.00											
1205-0112	Assembly of Components	15	05SEP13	05SEP13	25SEP13	25SEP13	90	4,263.12		0.00											
1205-0113	Parts ready for installation	1	26SEP13	26SEP13	26SEP13	26SEP13	90	0.00		0.00											
1205-0114	Handling / Warehouse / Storage	3	27SEP13	27SEP13	01OCT13	01OCT13	133	898.67		0.00											
Job: 1206 - Pedestal - SMITH																					
1206-0008	Input F/Analysis Group:Interface Detail to CS	1	01JUN10A	01JUN10A	01JUN10A	01JUN10A		0.00	100	0.00											
1206-0009	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	10	18MAY10A	18MAY10A	01JUN10A	01JUN10A		0.00	100	0.00											
1206-0010	Complete Preliminary CAD Models	10	01JUN10A	01JUN10A	14JUN10A	14JUN10A		0.00	100	0.00											
1206-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	24	19MAY10A	19MAY10A	22JUN10A	22JUN10A		0.00	100	0.00											
1206-0014	Analysis of Preliminary Design Approved	1	22JUN10A	22JUN10A	22JUN10A	22JUN10A		0.00	100	0.00											
1206-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A		0.00	100	0.00											
1206-0018	Dsgn Eng & CAD Models: Iterations, Optim & Updat	38	24JUN10A	24JUN10A	17AUG10A	17AUG10A		0.00	100	0.00											
1206-0021	DOE CD-2 (Lehman) Review	1	10AUG10A	10AUG10A	10AUG10A	10AUG10A		0.00	100	0.00											
1206-0023	PDR CAD model Compld-Outr supp ring/clamp/sprng	1	18AUG10A	18AUG10A	18AUG10A	18AUG10A		0.00	100	0.00											
1206-0028	Final Dsgn Eng Iteration, Detl CAD Model (19mod)	154*	17AUG10A	17AUG10A	04MAR11	31MAR11	2,335	15,442.32	90	13,898.09											
1206-0029	Final Design Analysis	154*	17AUG10A	17AUG10A	04MAR11	31MAR11	2,335	13,533.86	50	6,766.93											
1206-0030	Design Drawings (8dwg)	44*	07MAR11	21FEB11A	22APR11	21APR11	2,335	8,943.50	15	1,341.53											
1206-0032	Validation of Design Complete	10*	25APR11	22APR11	06MAY11	05MAY11	2,335	5,780.40		0.00											
1206-0033	Update CAD Models per Validation	64*	09MAY11	21FEB11A	20MAY11	19MAY11	6	2,373.29	5	118.66											
1206-0034	Revise Fabrication & Assembly Drawings per Valid	74*	23MAY11	21FEB11A	06JUN11	03JUN11	6	3,997.12	5	199.86											
1206-0035	Review, Check, Drawings	5	07JUN11	06JUN11	13JUN11	10JUN11	6	5,320.97		0.00											
1206-0036	Drawings ready for FDR	1	14JUN11	13JUN11	14JUN11	13JUN11	6	0.00		0.00											
1206-0038	FDR	1	15JUN11*	15JUN11*	15JUN11	15JUN11	5	0.00		0.00											
1206-0042	Prep Req & Procurement Package	10	02JAN13*	02JAN13*	15JAN13	15JAN13	76	5,668.48		0.00											
1206-0043	Submit Req to Procurement	1	15JAN13	15JAN13	15JAN13	15JAN13	76	0.00		0.00											
1206-0044	Procurement Processing	22	15JAN13	15JAN13	13FEB13	13FEB13	76	0.00		0.00											
1206-0045	Submit for Vendor Quotes	1	14FEB13	14FEB13	14FEB13	14FEB13	76	0.00		0.00											
1206-0046	Eval Quotes	43	14FEB13	14FEB13	15APR13	15APR13	76	1,417.12		0.00											

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY									
											FY11	FY12	FY13	FY14	FY15					
1206-0047	Tech Eval of Vendors	43	14FEB13	14FEB13	15APR13	15APR13	76	1,417.12		0.00										
1206-0048	Award / Order Approved	1	16APR13	16APR13	16APR13	16APR13	76	0.00		0.00										
1206-0049	Vendor Oversight	102	17APR13	17APR13	11SEP13	11SEP13	76	1,417.12		0.00										
1206-0050	Receipt of Hardware	5	12SEP13	12SEP13	18SEP13	18SEP13	76	62,990.40		0.00										
1206-0051	QA Inspection	10	19SEP13	19SEP13	02OCT13	02OCT13	76	2,502.67		0.00										
1206-0052	Resolve Procurement Issues	5	03OCT13	03OCT13	09OCT13	09OCT13	76	366.28		0.00										
1206-0053	Documentation: Assembly Procedures	15	10OCT13	10OCT13	30OCT13	30OCT13	76	6,438.88		0.00										
1206-0054	Assembly of Components	20	31OCT13	31OCT13	27NOV13	27NOV13	76	9,919.76		0.00										
1206-0055	Parts ready for installation	1	02DEC13	02DEC13	02DEC13	02DEC13	76	0.00		0.00										
1206-0057	Handling / Warehouse / Storage	5	03DEC13	03DEC13	09DEC13	09DEC13	76	1,378.08		0.00										
Job: 1207 - Vessel Legs -SMITH																				
1207-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	24	19MAY10A	19MAY10A	22JUN10A	22JUN10A		0.00	100	0.00										
1207-0014	Analysis of Preliminary Design Approved	1	22JUN10A	22JUN10A	22JUN10A	22JUN10A		0.00	100	0.00										
1207-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A		0.00	100	0.00										
1207-0021	DOE CD-2 (Lehman) Review	1	10AUG10A	10AUG10A	10AUG10A	10AUG10A		0.00	100	0.00										
1207-0028	Updt CAD & Dsgn Dwgs, (3 CAD/2dwg)	132*	17AUG10A	17AUG10A	04FEB11	31JAN11A		4,130.92	100	4,130.92										
1207-0030	N/A Dsgn Drawing Ready for Checking & Validation	1	16AUG10A	16AUG10A	16AUG10A	16AUG10A		0.00	100	0.00										
1207-0032	Analysis & Validation of Design Complete	138*	07FEB11	04OCT10A	29APR11	25APR11	9	1,541.44	75	1,156.08										
1207-0033	Update CAD Models per Validation	56*	02MAY11	21FEB11A	13MAY11	09MAY11	9	374.73	5	18.74										
1207-0034	Revise Fabrication & Assembly Drawings per Valid	66*	16MAY11	21FEB11A	27MAY11	23MAY11	9	999.28	5	49.96										
1207-0035	Review, Check Drawings	10	31MAY11	24MAY11	13JUN11	07JUN11	9	1,448.90		0.00										
1207-0036	Drawings ready for FDR	1	14JUN11	08JUN11	14JUN11	08JUN11	9	0.00		0.00										
1207-0038	FDR	1	15JUN11*	15JUN11*	15JUN11	15JUN11	5	0.00		0.00										
1207-0042	Prep Req & Procurement Package	3	01FEB13*	01FEB13*	05FEB13	05FEB13	132	3,188.52		0.00										
1207-0043	Submit Req to Procurement	1	05FEB13	05FEB13	05FEB13	05FEB13	132	0.00		0.00										
1207-0044	Procurement Processing	22	05FEB13	05FEB13	06MAR13	06MAR13	132	0.00		0.00										
1207-0045	Submit for Vendor Quotes	1	07MAR13	07MAR13	07MAR13	07MAR13	132	0.00		0.00										
1207-0046	Eval Quotes	43	07MAR13	07MAR13	06MAY13	06MAY13	132	177.14		0.00										
1207-0048	Award / Order Approved	1	07MAY13	07MAY13	07MAY13	07MAY13	132	0.00		0.00										
1207-0050	Receipt of Hardware	60	08MAY13	08MAY13	02AUG13	02AUG13	132	5,095.20		0.00										
1207-0051	QA Inspection	15	05AUG13	05AUG13	23AUG13	23AUG13	132	177.14		0.00										
1207-0052	Resolve Procurement Issues	20	26AUG13	26AUG13	23SEP13	23SEP13	132	0.00		0.00										
1207-0055	Parts ready for installation	1	24SEP13	24SEP13	24SEP13	24SEP13	132	0.00		0.00										
1207-0056	Handling warehouse storage	1	25SEP13	25SEP13	25SEP13	25SEP13	132	111.08		0.00										
Job: 1208 - PF4&5 Verticle Support-SMITH																				
1208-0009	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	20	03MAY10A	03MAY10A	28MAY10A	28MAY10A		0.00	100	0.00										
1208-0010	Complete Preliminary CAD Models	5	02JUN10A	02JUN10A	08JUN10A	08JUN10A		0.00	100	0.00										
1208-0011	Mockups:PF4/5 Vert Supp Struct Real Estate Issue	66	03MAY10A	03MAY10A	04AUG10A	04AUG10A		0.00	100	0.00										
1208-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	24	19MAY10A	19MAY10A	22JUN10A	22JUN10A		0.00	100	0.00										
1208-0014	Analysis of Preliminary Design Approved	1	22JUN10A	22JUN10A	22JUN10A	22JUN10A		0.00	100	0.00										

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY										
											FY11	FY12	FY13	FY14	FY15						
1208-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A		0.00	100	0.00											
1208-0018	Dsgn Eng & CAD Models: Iterations, Optim & Updat	38	24JUN10A	24JUN10A	17AUG10A	17AUG10A		0.00	100	0.00											
1208-0021	DOE CD-2 (Lehman) Review	1	18AUG10A	18AUG10A	18AUG10A	18AUG10A		0.00	100	0.00											
1208-0028	Det Dsgn Eng, CAD (42 CAD)	155*	16AUG10A	16AUG10A	03FEB11	31MAR11	26	21,222.29	90	19,100.06	EM/EM =38 ; EA/SB =126 ;										
1208-0029	Final Design Analysis	155*	16AUG10A	16AUG10A	03FEB11	31MAR11	26	37,319.88	80	29,855.90	EM/EM =200 ; EA/SB =0 ;										
1208-0030	Design Drawings (23 dwg)	44*	04FEB11	21FEB11A	21APR11	21APR11	26	25,673.01	15	3,850.96	EM/EM =17 ; EA/SB =184 ;										
1208-0032	Validation of Design Complete	10	22APR11	22APR11	05MAY11	05MAY11	26	5,780.40		0.00	EA/EM=30										
1208-0033	Update CAD Models per Validation	64*	06MAY11	21FEB11A	19MAY11	19MAY11	6	5,246.22	5	262.31	EA/SB =42 ;										
1208-0034	Revise Fabrication & Assembly Drawings per Valid	74*	20MAY11	21FEB11A	03JUN11	03JUN11	6	11,491.72	5	574.59	EA/SB =92 ;										
1208-0035	Review, Check Drawings	5	06JUN11	06JUN11	10JUN11	10JUN11	6	13,023.52		0.00	EM/EM =46 ; EA/SB =46 ;										
1208-0036	Drawings ready for FDR	1	13JUN11	13JUN11	13JUN11	13JUN11	6	0.00		0.00											
1208-0038	FDR	1	14JUN11*	15JUN11*	14JUN11	15JUN11	5	0.00		0.00											
1208-0042	Prep Req & Procurement Package	10	02JUL12*	02JUL12*	16JUL12	16JUL12	62	5,551.68		0.00	EM/EM =32 ;										
1208-0043	Submit Req to Procurement	1	16JUL12	16JUL12	16JUL12	16JUL12	62	0.00		0.00											
1208-0044	Procurement Processing	22	16JUL12	16JUL12	14AUG12	14AUG12	62	0.00		0.00											
1208-0045	Submit for Vendor Quotes	1	15AUG12	15AUG12	15AUG12	15AUG12	62	0.00		0.00											
1208-0046	Eval Quotes	43	15AUG12	15AUG12	15OCT12	15OCT12	62	1,395.39		0.00	EM/EM =08 ;										
1208-0047	Tech Eval of Vendors	43	15AUG12	15AUG12	15OCT12	15OCT12	62	2,790.78		0.00	EM/EM =16 ;										
1208-0048	Award / Order Approved	1	16OCT12	16OCT12	16OCT12	16OCT12	62	0.00		0.00											
1208-0049	Fab & Deliver incl Vendor Oversight	102	17OCT12	17OCT12	20MAR13	20MAR13	62	107,986.40		0.00	EM/EM =40 ; 41=76,440										
1208-0050	Receipt of Hardware	5	21MAR13	21MAR13	27MAR13	27MAR13	62	0.00		0.00											
1208-0051	QA Inspection	10	28MAR13	28MAR13	10APR13	10APR13	62	2,041.52		0.00	EM/EM =4 ; EM/ST =12 ;										
1208-0052	Resolve Procurement Issues	5	11APR13	11APR13	17APR13	17APR13	62	354.28		0.00	EM/EM =02 ;										
1208-0053	Documentation: Assembly Procedures	10	18APR13	18APR13	01MAY13	01MAY13	62	4,251.36		0.00	EM/EM =24 ;										
1208-0054	Assembly of Components	15	02MAY13	02MAY13	22MAY13	22MAY13	62	9,594.96		0.00	EM/EM =4 ; EM/ST =80 ;										
1208-0055	Parts ready for installation	1	23MAY13	23MAY13	23MAY13	23MAY13	62	0.00		0.00											
1208-0057	Handling / Warehouse / Storage	5	24MAY13	24MAY13	31MAY13	31MAY13	121	2,665.92		0.00	EM/ST =24 ;										
Job: 1220 - Misc Structural Design-SMITH																					
1220-0016	Final Design Oversight (LOE)	180*	01OCT10	01OCT10A	22JUN11	22JUN11	332	82,902.04	LOE	45,098.71	EM/EM=524										
1220-0017	Design/Analysis support from EMEM (Willard)	79*	01NOV10*	04OCT10A	23DEC10	31JAN11A		50,627.20	100	50,627.20	EM/EM=320										
1220-0017A	Analysis VV Dome/NB Port & PF2/3 Rib	108*	05OCT10A	05OCT10A	01FEB11	15MAR11	402	6,328.40	70	4,429.88	EM/EM=40										
1220-0017B	VV & Support Structure - Peer Review	0			30MAR11*	18MAY11*	2,326	0.00		0.00											
1220-0020	Prep for FDR	5	09JUN11*	09JUN11*	15JUN11	15JUN11	5	6,328.40		0.00	EM/EM=40										
1220-0031	Misc/admin	180*	05OCT10A	05OCT10A	24JUN11	24JUN11	330	27,928.42	LOE	14,885.85	EM/EM=156 ea/sb=26										
1220-1 PDR	Prelim Design Oversight	38	03MAY10A	03MAY10A	24JUN10A	24JUN10A		0.00	100	0.00											
1220-2 FDR	Final Design Oversight (LOE)	190*	25JUN10A	25JUN10A	30SEP10A	30SEP10A		40,250.16	100	40,250.16											
Job: 1300 - Center Stack-CHRZANOWSKI																					
1300-0010	Engineering & Dsgn Supp-Final Design (LOE)	249*	03MAY10A	03MAY10A	29APR11	29APR11	134	272,028.55	LOE	222,791.38	EA/EM =1,284 ; EA/SB =300 ;										
1300-0011	Engineering and Design Support-Title III	698	02MAY11	02MAY11	21FEB14	21FEB14	134	746,937.73		0.00	EA/EM =3,834 ;										
FY101300	FY10 Actual Cost	85	01JAN10A	01JAN10A	30APR10A	30APR10A		48,143.00	100	48,143.00											

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY				
											FY11	FY12	FY13	FY14	FY15
FY101300A	FY10 Actual Cost (Corresponds to BCWP)	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		-4,688.00	100	-4,688.00	81=Net 0				
Job: 1301 - Outer TF Coils-CHRZANOWSKI															
1301-0010	Revise Outer TF Coil (OTF) Drawings	20	02JUL12*	02JUL12*	30JUL12	30JUL12	103	19,198.88		0.00	EA/SB =120 ; EM/SM =16 ;				
1301-0020	Generate Spec & SOW for OTF Purchase	10	31JUL12	31JUL12	13AUG12	13AUG12	103	0.00		0.00					
1301-0030	Prep Requisition & Submit to Procurement'	5	14AUG12	14AUG12	20AUG12	20AUG12	103	0.00		0.00					
1301-0040	Bid & Award OTF Manufacturing	30	21AUG12	21AUG12	02OCT12	02OCT12	103	0.00		0.00					
1301-0050	Provide Existing OTF Tooling to Vendor	1	03OCT12	03OCT12	03OCT12	03OCT12	103	0.00		0.00					
1301-0060	Manufacture (1) OTF Coil	150	04OCT12	04OCT12	14MAY13	14MAY13	103	122,790.00		0.00	41=90,000 ; 35=3,000 ;				
1301-0100	Prep Requisitions & Submit to Procurement	15	04SEP12*	04SEP12*	24SEP12	24SEP12	190	0.00		0.00					
1301-0110	Bid & Award AI Supp Castings & SS Supp Clamps	30	25SEP12	25SEP12	05NOV12	05NOV12	190	0.00		0.00					
1301-0120	Fab & Del AI Supp Castings & SS Supp Clamps	40	06NOV12	06NOV12	11JAN13	11JAN13	190	22,625.28		0.00	41=15,000 ; EM/SM =16 ;				
1301-0150	Bid & Award Epoxy/Glass for support blocks	30	25SEP12	25SEP12	05NOV12	05NOV12	190	0.00		0.00					
1301-0160	Fab & Del Epoxy/Glass	40	06NOV12	06NOV12	11JAN13	11JAN13	190	24,037.92		0.00	41=15,000 ; EM/SM =24 ;				
1301-0180	Purchase Copper Fittings	20	25SEP12	25SEP12	22OCT12	22OCT12	240	1,971.00		0.00	41=1,500 ;				
1301-0200	Setup work area to install Supports	10	01MAY13	01MAY13	14MAY13	14MAY13	103	17,772.80		0.00	EM/ST =160 ;				
1301-0210	Install alum blocks & SS support clamps	30	15MAY13	15MAY13	26JUN13	26JUN13	103	52,292.00		0.00	EM/SM =120 ; EM/ST =3220 ; EM/ST =60 ;				
1301-0300	Fab Drill Jig for add'l holes in all OTF Flags	5	01OCT13*	01OCT13*	07OCT13	07OCT13	79	11,343.60		0.00	EM/ST =40 ; 41=5,000 ;				
1301-0310	Drill (24) Add'l holes in all OTF Flags	50	08OCT13	08OCT13	18DEC13	18DEC13	79	45,936.00		0.00	EM/ST =400 ;				
FY101301	FY10 Actual Cost	22	01APR10A	01APR10A	30APR10A	30APR10A		1,607.00	100	1,607.00					
FY101301A	FY10 Actual Cost	20	03MAY10A	03MAY10A	28MAY10A	28MAY10A		18,245.00	100	18,245.00					
Job: 1303 - R&D for TF Joint -KOZUB															
Material for CSU R&D Plan															
1303-000A	1.2 Fatigue Test Verification - C18150 (TBD)	101*	01SEP10A	01SEP10A	19NOV10	31JAN11A		0.00	100	0.00					
Single Flex Laminate CSU R&D Plan															
1303-000B2	2.2 In-Place Bending Stiffness	100*	01SEP10A	01SEP10A	15DEC10	31JAN11A		0.00	100	0.00					
1303-000B3	2.3 Cyclic, Simulated Combined Tests	100*	01SEP10A	01SEP10A	15DEC10	31JAN11A		0.00	100	0.00					
Full Flex Assembly CSU R&D Plan															
1303-000C1	3.1 Selection Braze vs Solder Between Laminates	1	15SEP10A	15SEP10A	15SEP10A	15SEP10A		0.00	100	0.00					
1303-000C2	3.2 Manufacture Joint w/Actual Hardware & Copper	85*	01OCT10*	03JAN11A	01OCT10	29APR11	22	0.00	10	0.00					
1303-000C3	3.3 Materials for Testing	112*	15OCT10*	15OCT10A	15NOV10	31MAR11	43	0.00	40	0.00					
1303-000C4	3.4 In-plane Bending Stiffness (use Joint Sample)	112*	15OCT10*	15OCT10A	15NOV10	31MAR11	43	0.00	70	0.00					
1303-000C5	3.5 Cyclic, Simulated Combine Test(Joint Sample)	112*	01OCT10*	15OCT10A	15DEC10	31MAR11	43	0.00	30	0.00					
1303-000C6	3.6 Contact Pressure Distribtn/Therm'l Joint Tst	112*	15OCT10*	15OCT10A	15DEC10	31MAR11	43	0.00	50	0.00					
1303-000C7	Bellville Washer Test	63*		04JAN11A		31MAR11	2,360	0.00	50	0.00					
1303-000C8	T-Slot Tiles	43*		01FEB11A		31MAR11	2,360	0.00	50	0.00					
FSW Trials CSU R&D Plan															
1303-000D1	4.2 Verify C18150 can be Joint C10700 Conductors	1	10SEP10A	10SEP10A	10SEP10A	10SEP10A		0.00	100	0.00					
Joint Inserts CSU R&D Plan															
1303-000E	5.1 Tap-Lok Insert Pullout Strength-Static/Fatig	114*	22NOV10*	13OCT10A	05JAN11	31MAR11	43	0.00	70	0.00					
Insulation Bond Test CSU R&D Plan															
1303-000F	X-6.1 Verif Shear Bond Strength Copper/Epoxy/Ins	1	29OCT10*	31JAN11A	29OCT10	31JAN11A		0.00	100	0.00					
Testing															
1303-001	Test Engineering Design and Analysis	267*	01MAY10A	01MAY10A	25APR11	25MAY11	19	53,002.13	66	35,246.42	em/em= 350				

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY11					FY12					FY13					FY14					FY15									
1303-002	Materials Testing	267*	01MAY10A	01MAY10A	25APR11	25MAY11	19	7,645.36	66	5,084.16	em/st=80																													
1303-003	Component Testing	267*	01MAY10A	01MAY10A	25APR11	25MAY11	19	10,925.26	66	7,265.29	ee/tb=40 em/st=80																													
1303-004	Assembly Testing	182*	01SEP10A	01SEP10A	25APR11	25MAY11	19	19,030.81	66	12,655.49	ee/tb=40 em/st=160																													
1303-005	Model Fabrication	245*	01MAY10A	01MAY10A	31AUG10A	31AUG10A		0.00	100	0.00																														
1303-011	Testing Design Support and M&S	160*	01OCT10*	01OCT10A	25APR11	24MAY11	20	212,541.38	66	141,340.02	EM/EM = 578 hrs; EA/DM=160hrs; M&S = \$80,000																													
FY101303	FY10 Actual Cost	85	01JAN10A	01JAN10A	30APR10A	30APR10A		28,278.00	100	28,278.00																														
FY101303A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		21,454.00	100	21,454.00	81=19,454																													

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

Inner TF Bundle; Design

1304-0050	Perform Add'l Friction Stir Weld Trials-Phase II	75	01SEP10A	01SEP10A	01OCT10A	01OCT10A		0.00	100	0.00	41=49,000 ;																													
1304-0060	Fabricate Flex Bus Assy's for Testing (2)	42*	01SEP10A	01SEP10A	29OCT10	29OCT10A		17,500.00	100	17,500.00	EM/ST =120 ; 41=5,000 ;																													
1304-0065	New Insulation Shear R&D Test	43*	16SEP10A	16SEP10A	15NOV10	15NOV10A		27,269.77	100	27,269.77	41=22,000 ;																													
1304-0065B	Second Insulation Shear R&D Test (60k cycle tes	60*	24NOV10*	24NOV10A	25FEB11	25FEB11A		22,680.00	100	22,680.00	41=18,000 ;																													
1304-0065C	Second Insulation Shear R&D Test (60k cycle tes	15*		21FEB11A		11MAR11	57	0.00	0	0.00	41=18,000 ;																													
1304-0110	Design-Analyze Tension Strap	15	24JUN10A	24JUN10A	15JUL10A	15JUL10A		0.00	100	0.00																														
1304-0130	Complete Analysis if TF Flex Bus	24	26JUL10A	26JUL10A	26AUG10A	26AUG10A		0.00	100	0.00																														
1304-0140	Complete & Check Thermal Stresses	15	16JUL10A	16JUL10A	05AUG10A	05AUG10A		0.00	100	0.00																														
1304-0150	Maintain input to Willards Flex Model (LOE)	191*	24JUN10A	24JUN10A	03JAN11	31JAN11A		7,250.29	100	7,250.29	EA/EM =40 ;																													
1304-0160	Check Willards/Tooling/Fixturing Calculations	40	03JAN11*	03OCT11*	25FEB11	29NOV11	18	23,121.60		0.00	EA/EM =60 ;																													
1304-0170	N/R Tooling/Fixturing Calculations	45	31AUG10A	31AUG10A	31AUG10A	31AUG10A		0.00	100	0.00																														
1304-0180	N/R Calculation/Write/Check Files	80	31AUG10A	31AUG10A	31AUG10A	31AUG10A		0.00	100	0.00																														
1304-0190	Analyze Pins & Crown	188*	24JUN10A	24JUN10A	15OCT10	28MAR11	41	34,880.73	85	29,648.62	EA/EM =200 ;																													
1304-0210	Pedestal/Lower Skirt/TF Teeth Analysis	162*	02AUG10A	02AUG10A	05JAN11	28MAR11	41	36,783.75	85	31,266.19	EA/EM =200 ;																													
1304-0220	Finish Torque for Upper Teeth & Covers Post Proc	182*	02AUG10A	02AUG10A	02FEB11	25APR11	41	7,413.27	85	6,301.28	EA/EM =40 ;																													
1304-0230	DCPS Input	218*	24JUN10A	24JUN10A	16FEB11	09MAY11	16	18,354.18	85	15,601.05	EA/EM =100 ;																													
1304-0250	Complete Detail and Assembly CAD Drawings	228*	24JUN10A	24JUN10A	29APR11	23MAY11	6	68,147.01	90	61,332.31	EA/SB =560 ;																													
1304-0255	Inner TF Bundle - Peer review	0				18MAY11*	2,326	0.00		0.00	EA/SB =40 ;																													
1304-0260	Prepare for FDR	15	02MAY11	24MAY11	20MAY11	14JUN11	6	4,996.40		0.00																														

Manufacture Inner TF Conductor

1304-0460	Generate SOW for TF Conductor	20*	01OCT10A	01OCT10A	28OCT10	28OCT10A		0.00	100	0.00																														
1304-0480	Prep Req for TF Conductor & Submit to Proc	25*	01OCT10A	01OCT10A	04NOV10	29OCT10A		0.00	100	0.00																														
1304-0500	Bid & Award TF Conductor-Copper Extrusions	30*	05NOV10	01DEC10A	20DEC10	19JAN11A		0.00	100	0.00																														
1304-0600	Manufacture TF Conductor-Copper Extrusions (56)	72*	21DEC10	20JAN11A	03MAY11	29APR11	59	304,920.00	0	0.00	41=242,000 ;																													
1304-0730	Prep Req to Mach Conductors & Submit to Proc	5	16MAR11	16MAR11*	22MAR11	22MAR11	57	0.00		0.00																														
1304-0740	Bid & Award Contract to Machine Conductors	30	23MAR11	23MAR11	03MAY11	03MAY11	57	0.00		0.00																														
1304-0750	Machine TF Conductors (CIng Grooves, Lead Areas)	65	04MAY11	04MAY11	04AUG11	04AUG11	57	321,300.00		0.00	41=250,000 ; 35=5,000 ;																													
1304-0750A	Deliver 1st 25 Machined Conductors	1	30JUN11	30JUN11	30JUN11	30JUN11	82	0.00		0.00																														
1304-0750B	Deliver 2nd 20 Machined Conductors	1	05AUG11	05AUG11	05AUG11	05AUG11	57	0.00		0.00																														
1304-0770	Prep Req for Cu-Cr-Zr TF Lead Extensions	10	17MAR11	17MAR11	30MAR11	30MAR11	17	0.00		0.00																														
1304-0780	Bid & Award TF Lead Extensions	30	31MAR11	31MAR11	11MAY11	11MAY11	17	0.00		0.00																														
1304-0790	Fab & Del TF Lead Extensions	100	12MAY11	12MAY11	03OCT11	03OCT11	17	63,015.00		0.00	41=50,000 ;																													
1304-0830	Prep Req for Friction Stir Welding	5	15AUG11*	15AUG11*	19AUG11	19AUG11	17	0.00		0.00																														

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY					
											FY11	FY12	FY13	FY14	FY15	
1304-0840	Bid & Award Friction Stir Welding	30	22AUG11	22AUG11	03OCT11	03OCT11	17	0.00		0.00						
1304-0850	Friction Stir-Weld Coil Leads to Conductors	60	04OCT11	04OCT11	05JAN12	05JAN12	17	328,950.00		0.00						
1304-0850A	Deliver 1st 20 FSW Conductors	1	01DEC11	01DEC11	01DEC11	01DEC11	37	0.00		0.00						
1304-0850B	Deliver 2nd 25 FSW conductors	1	06JAN12	06JAN12	06JAN12	06JAN12	17	0.00		0.00						
1304-0930	Prep Req for Final Conductor Machining	5	09NOV11	09NOV11	15NOV11	15NOV11	17	0.00		0.00						
1304-0940	Bid & Award Final Conductor Machining	30	16NOV11	16NOV11	06JAN12	06JAN12	17	0.00		0.00						
1304-0950	Machine TF Conductors (Fnl Lead Areas & Inserts)	40	09JAN12	09JAN12	02MAR12	02MAR12	17	131,580.00		0.00						
1304-0950A	Receive 1st Delivery of Final Machined TF Cond	1	20FEB12	20FEB12	20FEB12	20FEB12	27	0.00		0.00						
1304-0950B	Receive Balance of Final Machined TF Cond	1	05MAR12	05MAR12	05MAR12	05MAR12	17	0.00		0.00						
Other Inner TF Bundle Hardware																
1304-1110	Prep Req for C151 (Cu-Zr) for Flex Bus	10	02JAN13*	02JAN13*	15JAN13	15JAN13	195	0.00		0.00						
1304-1112	Bid/Award- C151 for Flex Bus	30	16JAN13	16JAN13	26FEB13	26FEB13	195	0.00		0.00						
1304-1114	Fab & Deliver C151 for Flex Bus	40	27FEB13	27FEB13	23APR13	23APR13	195	39,600.00		0.00						
1304-1114A	Prep Req for Flex Bus Solder Bimetal Wafers	10	02JAN13*	02JAN13*	15JAN13	15JAN13	195	0.00		0.00						
1304-1114B	Bid/Award- for Flex Bus Solder Bimetal Wafers	30	16JAN13	16JAN13	26FEB13	26FEB13	195	0.00		0.00						
1304-1114C	Fab & Delive- for Flex Bus Solder Bimetal Wafers	40	27FEB13	27FEB13	23APR13	23APR13	195	39,600.00		0.00						
1304-1120	Prep Req for Flex Bus Fabrication	10	05AUG13*	05AUG13*	16AUG13	16AUG13	85	0.00		0.00						
1304-1122	Bid/Award Flex Bus Fabrication	30	19AUG13	19AUG13	30SEP13	30SEP13	85	0.00		0.00						
1304-1124	Fab & Deliver Flex Bus	60	01OCT13	01OCT13	06JAN14	06JAN14	85	153,930.00		0.00						
1304-1130	Prep Req for Cu-Cr-Zr (C1815) for OTF Lead Ext	10	01OCT12*	01OCT12*	12OCT12	12OCT12	161	0.00		0.00						
1304-1132	Bid/Award Cu-Cr-Zr for OTF Lead Ext	30	15OCT12	15OCT12	27NOV12	27NOV12	161	0.00		0.00						
1304-1134	Fab & Del Cu-Cr-Zr for OTF Lead Ext	60	28NOV12	28NOV12	28FEB13	28FEB13	161	107,197.92		0.00						
1304-1140	Prep Req for OTF Lead Ext (OTF to Flex)	10	04SEP12*	04SEP12*	17SEP12	17SEP12	160	0.00		0.00						
1304-1142	Bid/Award OTF Lead Ext (OTF to Flex)	30	18SEP12	18SEP12	29OCT12	29OCT12	160	0.00		0.00						
1304-1144	Fab & Del OTF Lead Ext (OTF to Flex)	80	30OCT12	30OCT12	01MAR13	01MAR13	160	66,000.00		0.00						
1304-1150	Prep ReqPrep Req for Supports for OTF Jumpers	10	01OCT12*	01OCT12*	12OCT12	12OCT12	161	0.00		0.00						
1304-1152	Bid/Award Supports for OTF Jumpers	30	15OCT12	15OCT12	27NOV12	27NOV12	161	0.00		0.00						
1304-1154	Fab/Deliver Supports for OTF Jumpers	60	28NOV12	28NOV12	28FEB13	28FEB13	161	66,000.00		0.00						
1304-1160	Prep Req Lower TF Coil to Bus Jump & Supp	10	03DEC12*	03DEC12*	14DEC12	14DEC12	138	0.00		0.00						
1304-1162	Bid/Award Lower TF Coil to Bus Jump & Supp	30	17DEC12	17DEC12	05FEB13	05FEB13	138	0.00		0.00						
1304-1164	Fab & Deliver Lower TF Coil to Bus Jump & Supp	40	06FEB13	06FEB13	02APR13	02APR13	138	31,680.00		0.00						
1304-1170	Prep Spec for Super Bolts	10	03SEP13*	03SEP13*	16SEP13	16SEP13	25	0.00		0.00						
1304-1172	Bid/Award Super Bolts	30	17SEP13	17SEP13	28OCT13	28OCT13	25	0.00		0.00						
1304-1174	Fab & Deliver Super Nuts	100	29OCT13	29OCT13	31MAR14	31MAR14	25	205,414.88		0.00						
1304-1180	Prep Req Joint Hardware	10	02NOV12*	02NOV12*	15NOV12	15NOV12	167	0.00		0.00						
1304-1182	Bid/Award Joint Hardware	30	16NOV12	16NOV12	09JAN13	09JAN13	167	0.00		0.00						
1304-1184	Fab & Deliver Joint Hardware	30	10JAN13	10JAN13	20FEB13	20FEB13	167	34,412.64		0.00						
1304-1190	Prep Spec Copper for Lead Ext for Upper ITF	10	02OCT12*	02OCT12*	15OCT12	15OCT12	160	0.00		0.00						
1304-1192	Bid/Award - Copper Lead Ext for Upper ITF	30	16OCT12	16OCT12	28NOV12	28NOV12	160	0.00		0.00						
1304-1194	Fab & Deliver Copper Lead Ext for Upper ITF	60	29NOV12	29NOV12	01MAR13	01MAR13	160	35,825.28		0.00						
1304-1210	Prep Req for Up/Lwr OF to TF Supp Struct	10	02OCT12*	02OCT12*	15OCT12	15OCT12	160	0.00		0.00						
1304-1212	Bid/Award Up/Lwr OH to TF Supp Struct	30	16OCT12	16OCT12	28NOV12	28NOV12	160	0.00		0.00						

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY						
											FY11	FY12	FY13	FY14	FY15		
1304-1214	Fab & Del Up/Lwr OH to TF Supp Struct	60	29NOV12	29NOV12	01MAR13	01MAR13	160	39,600.00		0.00							
1304-1220	Pre Req for Cooling Fittings	10	02OCT12*	02OCT12*	15OCT12	15OCT12	200	0.00		0.00							
1304-1222	Bid/Award Cooling Fittings	30	16OCT12	16OCT12	28NOV12	28NOV12	200	0.00		0.00							
1304-1224	Fab & Deliver Cooling Fittings	20	29NOV12	29NOV12	04JAN13	04JAN13	200	8,012.64		0.00							
1304-1230	Prep Req for Tooling for Inst Flex Bus Segments	10	02OCT12*	02OCT12*	15OCT12	15OCT12	170	0.00		0.00							
1304-1232	Bid/Award-Tooling for Inst Flex Bus segments	30	16OCT12	16OCT12	28NOV12	28NOV12	170	0.00		0.00							
1304-1234	Fab/Del Tooling for Inst Flex Bus Segments	50	29NOV12	29NOV12	15FEB13	15FEB13	170	44,188.80		0.00							
1304-1240	Prep req for Up/Lwr Teeth Interf Struct	10	10SEP12*	10SEP12*	21SEP12	21SEP12	176	0.00		0.00							
1304-1242	Bid/Award Up/Lwr Teeth Interf Struct	30	24SEP12	24SEP12	02NOV12	02NOV12	176	0.00		0.00							
1304-1244	Fab & Deliver Up/Lwr Teeth Interf Struct	60	05NOV12	05NOV12	07FEB13	07FEB13	176	66,000.00		0.00							
FY101304	FY10 Actual Cost	100	01DEC09A	01DEC09A	30APR10A	30APR10A		104,348.00	100	104,348.00							
FY101304A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		134,712.00	100	134,712.00							

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

Design

1305-0100	Finalize Calcs on OH Flow Optimization	25	24JUN10A	24JUN10A	29JUL10A	29JUL10A		0.00	100	0.00							
1305-0110	Check Flow Rates on Cavitation Issues	10	01SEP10A	01SEP10A	15SEP10A	15SEP10A		0.00	100	0.00							
1305-0120	Analyze Coax Lead Box	154*	30JUL10A	30JUL10A	15DEC10	15MAR11	556	18,296.79	71	12,990.72							
1305-0140	Fatigue Assessment	111*	02AUG10A	02AUG10A	14JAN11	14JAN11A		3,689.43	100	3,689.43							
1305-0180	Calculation write/check & file	121*	17JAN11	04OCT10A	31MAR11	31MAR11	556	19,268.00	75	14,451.00							
1305-0510	Complete Detail & Assembly CAD Drawings	161*	01OCT10*	01OCT10A	26APR11	25MAY11	9	87,437.00	90	78,693.30							
1305-0515	OHMIC Heating Coil - Peer review	0				18MAY11*	2,326	0.00		0.00							
1305-0900	Prepare for FDR	10	27APR11	26MAY11	10MAY11	09JUN11	9	4,996.40		0.00							
1305-0910	R&D for Tooling & For "Aquapour"	175*	01JUN10A	01JUN10A	22NOV10	14FEB11A		52,187.32	100	52,187.32							
1305-0915	N/R Additional R&D For "Aquapour"	20*	31AUG10A	31AUG10A	31AUG10A	31AUG10A		0.00	100	0.00							
1305-1410	Design TF Quadrant Mold (2)	51*	14FEB11*	14JAN11A	25MAR11	25MAR11	12	14,989.20	40	5,995.68							
1305-1430	Design TF Full Mold (3)	30	28MAR11*	28MAR11	06MAY11	06MAY11	12	19,985.60		0.00							
1305-1450	Design OH Mold (7)	30	06JUL11*	06JUL11	16AUG11	16AUG11	270	19,985.60		0.00							
1305-1470	Design OH Winding Clamps (8)	25	20JUL11*	20JUL11	30AUG11	23AUG11	270	9,992.80		0.00							
1305-1490	Design Lifting Beam -conductors & coils (4)	85*	18APR11	10JAN11A	06MAY11	06MAY11	12	9,992.80	20	1,998.56							
1305-1510	Design Ground Wrap Station (6)	20	07JUN11	07JUN11	05JUL11	05JUL11	270	4,996.40		0.00							
1305-1530	Design Tension Unit 99)	20	10AUG11	10AUG11	07SEP11	07SEP11	270	9,992.80		0.00							
1305-1550	Design Mold for OH-TF Castable Material (10)	20	24AUG11	24AUG11	05OCT11	21SEP11	270	7,567.02		0.00							
1305-1570	Design Braze Station (12)	20	06OCT11	08SEP11	02NOV11	05OCT11	270	10,958.40		0.00							
1305-1580	Design Sandblast Station (5)	20	09MAY11	09MAY11	06JUN11	06JUN11	12	9,992.80		0.00							
1305-1610	Dsgn OH/TF Facility Area Layout incl CleanRoom-1	63*	20DEC10*	03JAN11A	16FEB11	30MAR11	12	29,978.40	40	11,991.36							
1305-1620	Electrical Layout to Support Winding Area (11)	40	04APR11*	04APR11*	27MAY11	27MAY11	147	37,771.20		0.00							
1305-1630	Generate Manufacturing Procedures & Travelers	20	03OCT11*	26SEP11*	28OCT11	21OCT11	252	0.00		0.00							

Tooling & Equipment setup

1305-4010	Remove NCSX Tooling & Spare Parts from NCSX TC	121*	01JUN11*	10JAN11A	28JUN11	28JUN11	126	19,842.00	10	1,984.20							
1305-4030	Setup Winding Area	40	29JUN11	29JUN11	24AUG11	24AUG11	126	59,526.00		0.00							
1305-4050	Setup Winding Equipment	40	03OCT11*	03OCT11*	29NOV11	29NOV11	100	52,219.20		0.00							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY					
											FY11	FY12	FY13	FY14	FY15	
TF/OH Material Procurements																
1304-3350	Spec-TF conductor stands- tube soldering	10	01SEP11*	01SEP11*	15SEP11	15SEP11	81	0.00		0.00						
1304-3352	Bid/Award TF Conductor Stands for Soldering	30	16SEP11	16SEP11	27OCT11	27OCT11	81	0.00		0.00						
1304-3354	Fab & Del TF Conductor Stands for Soldering	40	28OCT11	28OCT11	03JAN12	03JAN12	81	23,856.40		0.00						
1304-3450	Spec-TF conductor stands- for insulating	20	01SEP11*	01SEP11*	29SEP11	29SEP11	178	0.00		0.00						
1304-3452	Bid/Award TF Conductor Stand for Insulating	30	30SEP11	30SEP11	10NOV11	10NOV11	178	0.00		0.00						
1304-3454	Fab & Del TF Conductor Stands for Insulating	60	11NOV11	11NOV11	14FEB12	14FEB12	178	25,800.00		0.00						
1304-3550	Spec TF Quadrant mold	20	01SEP11*	01SEP11*	29SEP11	29SEP11	183	0.00		0.00						
1304-3552	Bid/Award-TF Quadrant Mold	30	30SEP11	30SEP11	10NOV11	10NOV11	183	0.00		0.00						
1304-3554	Fab & Deliver TF Quadrant Mold	60	11NOV11	11NOV11	14FEB12	14FEB12	183	107,706.40		0.00						
1304-3600	Spec - TF Full coil mold	20	01MAR12*	01MAR12*	28MAR12	28MAR12	170	0.00		0.00						
1304-3602	Bid/Award TF Full Coil Mold	30	29MAR12	29MAR12	09MAY12	09MAY12	170	0.00		0.00						
1304-3604	Fab & Deliver Full TF Coil Mold	60	10MAY12	10MAY12	03AUG12	03AUG12	170	127,056.40		0.00						
1304-3700	Spec - VPI delivery system	20	01SEP11*	01SEP11*	29SEP11	29SEP11	193	0.00		0.00						
1304-3702	Bid/Award VPI Delivery System	30	30SEP11	30SEP11	10NOV11	10NOV11	193	0.00		0.00						
1304-3704	Fab & Deliver VPI Delivery System	60	11NOV11	11NOV11	14FEB12	14FEB12	193	43,206.40		0.00						
1304-3800	Spec - Lift beam- conductor	20	01SEP11*	01SEP11*	29SEP11	29SEP11	226	0.00		0.00						
1304-3802	Bid/Award Lift Beam Conductor	30	30SEP11	30SEP11	10NOV11	10NOV11	226	0.00		0.00						
1304-3804	Fab & Deliver Lift Beam for Conductor	40	11NOV11	11NOV11	17JAN12	17JAN12	226	28,053.20		0.00						
1304-3900	Spec - Lift Beam for coil	20	26SEP11*	01SEP11*	21OCT11	29SEP11	198	0.00		0.00						
1304-3902	Bid/Award - Lift Beam for Coil	30	24OCT11	30SEP11	06DEC11	10NOV11	198	0.00		0.00						
1304-3904	Fab & deliver Lift Beam for Coil	40	07DEC11	11NOV11	08FEB12	17JAN12	198	40,953.20		0.00						
1305-1900	Spec- Taping machines [2]	20	02JUL12*	02JUL12*	30JUL12	30JUL12	107	0.00		0.00						
1305-1902	Bid/Award - Taping Machines	30	31JUL12	31JUL12	11SEP12	11SEP12	107	0.00		0.00						
1305-1904	Fab & Deliver Taping Machines	60	01OCT12*	01OCT12*	03JAN13	03JAN13	94	33,000.00		0.00						
1305-2000	Spec- Tension unit	20	02JUL12*	02JUL12*	30JUL12	30JUL12	107	0.00		0.00						
1305-2002	Bid/Award Tension Unit	30	31JUL12	31JUL12	11SEP12	11SEP12	107	0.00		0.00						
1305-2004	Fab & Deliver Tension Unit	60	01OCT12*	01OCT12*	03JAN13	03JAN13	94	35,416.00		0.00						
1305-2100	Spec-Braze unit	20	01JUN12*	01JUN12*	28JUN12	28JUN12	108	0.00		0.00						
1305-2102	Bid/Award Braze Station	30	29JUN12	29JUN12	10AUG12	10AUG12	108	0.00		0.00						
1305-2104	Fab & Deliver Braze Station	80	13AUG12	13AUG12	05DEC12	05DEC12	108	130,725.00		0.00						
1305-2200	Spec-Braze fixture and work coil	20	02JUL12*	02JUL12*	30JUL12	30JUL12	107	0.00		0.00						
1305-2210	Bid/Award Braze Fixture for Work Coil	30	31JUL12	31JUL12	11SEP12	11SEP12	107	0.00		0.00						
1305-2220	Fab & Deliver Braze Fixture for Work Coil	60	01OCT12*	01OCT12*	03JAN13	03JAN13	94	26,529.60		0.00						
1305-2300	Spec Winding machine for OH	20	03JAN12*	03JAN12*	30JAN12	30JAN12	185	0.00		0.00						
1305-2310	Bid/Award Winding Machine for OH	60	31JAN12	31JAN12	23APR12	23APR12	185	0.00		0.00						
1305-2320	Fab & Deliver Winding Machine for OH	80	24APR12	24APR12	15AUG12	15AUG12	185	161,250.00		0.00						
1305-2400	Spec - Mold for OH-TF spacer [Aquapour]	20	26SEP11*	01SEP11*	21OCT11	29SEP11	314	0.00		0.00						
1305-2410	Bid/Award Mold for OH-TF Spacer	30	24OCT11	30SEP11	06DEC11	10NOV11	314	0.00		0.00						
1305-2420	Fab & Deliver Mold for OH-TF Spacer	60	07DEC11	11NOV11	07MAR12	14FEB12	314	12,900.00		0.00						
1305-2500	Spec - OH winding clamps- 4-sets	20	26SEP11*	01SEP11*	21OCT11	29SEP11	314	0.00		0.00						

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY					
											FY11	FY12	FY13	FY14	FY15	
1305-2510	Bid/Award OH Winding Clamps - 4 sets	30	24OCT11	30SEP11	06DEC11	10NOV11	314	0.00		0.00						
1305-2520	Fab & Deliver OH Winding Clamps 4 sets	60	07DEC11	11NOV11	07MAR12	14FEB12	314	25,800.00		0.00						
1305-2600	Spec - OH Mold	20	01MAY12*	01JUN12*	29MAY12	28JUN12	108	0.00		0.00						
1305-2610	Bid/Award OH Mold	30	30MAY12	29JUN12	11JUL12	10AUG12	108	0.00		0.00						
1305-2620	Fab & Deliver OH Mold	80	12JUL12	13AUG12*	01NOV12	05DEC12	108	127,931.32		0.00						
1305-2650	Spec SandBlast Unit	20	26SEP11*	01SEP11*	21OCT11	29SEP11	123	0.00		0.00						
1305-2652	Bid/Award Sanblast Unit	30	24OCT11	30SEP11	06DEC11	10NOV11	123	0.00		0.00						
1305-2654	Fab & Deliver Sandblast Unit	80	07DEC11	11NOV11	04APR12	13MAR12	123	32,404.80		0.00						
1305-2700	Miscellaneous tools & fixtures	20	26SEP11*	01SEP11*	21OCT11	29SEP11	294	0.00		0.00						
1305-2702	Bid/Award Misc Tools & Fixtures	30	24OCT11	30SEP11	06DEC11	10NOV11	294	0.00		0.00						
1305-2704	Fab & deliver Misc Tools & Fixtures	80	07DEC11	11NOV11	04APR12	13MAR12	294	60,612.80		0.00						
1305-2800	Spec - "Aquadour"- castable material	20	26SEP11*	01SEP11*	21OCT11	29SEP11	314	0.00		0.00						
1305-2802	Bid/Award Aquapour	30	24OCT11	30SEP11	06DEC11	10NOV11	314	0.00		0.00						
1305-2820	Fab & Deliver Aquapour	60	07DEC11	11NOV11	07MAR12	14FEB12	314	12,900.00		0.00						
1305-2900	Spec-Insulation [fiberg tape, teflon and grnd p	20	26SEP11*	01SEP11*	21OCT11	29SEP11	178	0.00		0.00						
1305-2902	Bid/Award - Insulation	30	24OCT11	30SEP11	06DEC11	10NOV11	178	0.00		0.00						
1305-2904	Fab & Deliver Insulation	60	07DEC11	11NOV11	07MAR12	14FEB12	178	25,800.00		0.00						
1305-3000	Epoxy- CTD-101	20	26SEP11*	01SEP11*	21OCT11	29SEP11	178	0.00		0.00						
1305-3002	Bid/Award Epoxy-CTD-101	30	24OCT11	30SEP11	06DEC11	10NOV11	178	0.00		0.00						
1305-3004	Fab & Deliver Epoxy-CTD-101	60	07DEC11	11NOV11	07MAR12	14FEB12	178	19,350.00		0.00						
1305-3100	Spec-Copper pre-tinned tubing [TF conductor]	20	26SEP11*	01SEP11*	21OCT11	29SEP11	81	0.00		0.00						
1305-3102	Bid/Award Copper pre-tinned tubing	30	24OCT11	30SEP11	06DEC11	10NOV11	81	0.00		0.00						
1305-3104	Fab & Deliver pre-tinned tubing	30	07DEC11	11NOV11	25JAN12	03JAN12	81	6,450.00		0.00						
1305-3200	G-10 Filler modifications	40	03OCT11*	03OCT11*	29NOV11	29NOV11	227	17,608.50		0.00						
1305-3300	Req/Order - Conductor primer	20	26SEP11*	08SEP11*	21OCT11	05OCT11	229	0.00		0.00						
1305-3310	Fab & Deliver Conductor Primer	40	24OCT11	06OCT11	20DEC11	02DEC11	229	2,580.00		0.00						
1305-3400	Req/Order-Safety and PPE equipment and supplies	20	26SEP11*	01SEP11*	21OCT11	29SEP11	81	0.00		0.00						
1305-3410	Fab & Deliver Safety & PPE	40	24OCT11	30SEP11	20DEC11	28NOV11	81	6,450.00		0.00						
1305-3500	Req/Order Miscellaneous supplies	30	26SEP11*	01SEP11*	04NOV11	13OCT11	198	0.00		0.00						
1305-3510	Fab & Deliver Misc Supplies	60	07NOV11	14OCT11	08FEB12	17JAN12	198	25,800.00		0.00						
1305-3600	Req/OrderRTV and silicone caulk for mold sealing	20	26SEP11*	01SEP11*	21OCT11	29SEP11	248	0.00		0.00						
1305-3610	Fab & Deliver RTV & Silcone for Mold Sealing	20	24OCT11	30SEP11	18NOV11	27OCT11	248	6,450.00		0.00						
1305-3700	Specify-valves & fittings (VPI Disposables)	20	26SEP11*	01SEP11*	21OCT11	29SEP11	198	0.00		0.00						
1305-3710	Bid/Awad-Valves & Fittings (VPI)	30	24OCT11	30SEP11	06DEC11	10NOV11	198	0.00		0.00						
1305-3720	Fab & Deliver Valves-Fittings (VPI)	40	07DEC11	11NOV11	08FEB12	17JAN12	198	12,900.00		0.00						
1305-3800	spec-High &Low Temp Vac Tubing (VPI)	20	03OCT11*	03OCT11*	28OCT11	28OCT11	177	0.00		0.00						
1305-3810	Bid/Award High & Low Temp Vac Tubing (VPI)	30	31OCT11	31OCT11	13DEC11	13DEC11	177	0.00		0.00						
1305-3820	Fab & deliver High & Low Temp Vac Tube (VPI)	40	14DEC11	14DEC11	15FEB12	15FEB12	177	12,900.00		0.00						
1305-3900	Fabricate - VPI manifolds	40	03OCT11*	03OCT11*	29NOV11	29NOV11	227	28,208.00		0.00						
OH Conductor & Other Hardware																
1305-0920	Generate SOW for OH Conductor	20	16JUL12*	16JUL12*	10AUG12	10AUG12	83	0.00		0.00						
1305-0930	Prep Requisition & Submit to Procurement	5	13AUG12	13AUG12	17AUG12	17AUG12	83	0.00		0.00						

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY					
											FY11	FY12	FY13	FY14	FY15	
1305-0940	Bid & Award OH Conductor Fabrication	30	20AUG12	20AUG12	01OCT12	01OCT12	83	0.00		0.00						
1305-0950	Manufacture OH Copper Conductor	70	02OCT12	02OCT12	18JAN13	18JAN13	83	139,392.00		0.00						
1305-0960	Generate Requisition for Kapton/Glass Insulation	5	13AUG12*	13AUG12*	17AUG12	17AUG12	103	1,380.64		0.00						
1305-0980	Bid & Award Kapton/Glass Insulation	30	20AUG12	20AUG12	01OCT12	01OCT12	103	0.00		0.00						
1305-1000	Fab & Deliver Kapton/Glass Insulation	50	02OCT12	02OCT12	12DEC12	12DEC12	103	34,412.64		0.00						
1305-1010	Prep Requisition for Belleville Washer Assembly	10	13AUG12*	13AUG12*	24AUG12	24AUG12	98	0.00		0.00						
1305-1030	Bid & Award Belleville Washer Assembly	30	27AUG12	27AUG12	08OCT12	08OCT12	98	0.00		0.00						
1305-1050	Fab & Deliver Belleville Washer Assembly	50	09OCT12	09OCT12	19DEC12	19DEC12	98	46,200.00		0.00						
1305-1060	Prepare Requisition for G-10 Fillers	10	13AUG12*	13AUG12*	24AUG12	24AUG12	88	0.00		0.00						
1305-1080	Bid & Award G-10 Fillers	30	27AUG12	27AUG12	08OCT12	08OCT12	88	0.00		0.00						
1305-1100	Fab & Deliver G-10 Filers	60	09OCT12	09OCT12	11JAN13	11JAN13	88	46,200.00		0.00						
1305-1110	Prep Requisition for Lead Blocks & Cooling Fitti	10	13AUG12*	13AUG12*	24AUG12	24AUG12	68	0.00		0.00						
1305-1130	Bid & Award Lead Blocks & Cooling Fittings	30	27AUG12	27AUG12	08OCT12	08OCT12	68	0.00		0.00						
1305-1150	Fab & Deliver Lead Blocks & Cooling Fittings	80	09OCT12	09OCT12	08FEB13	08FEB13	68	39,600.00		0.00						
1305-1160	Prep Requisition for Misc Parts	10	20AUG12*	20AUG12*	31AUG12	31AUG12	83	0.00		0.00						
1305-1180	Bid & Award Misc Parts	30	04SEP12	04SEP12	15OCT12	15OCT12	83	0.00		0.00						
1305-1200	Fab & Deliver Misc Parts	60	16OCT12	16OCT12	18JAN13	18JAN13	83	19,800.00		0.00						
1305-1210	Prep Requisition for OH Lwr Lead & Suppt Struct	10	20AUG12*	20AUG12*	31AUG12	31AUG12	83	0.00		0.00						
1305-1230	Bid & Award OH Lwr Lead & Supt Struct	30	04SEP12	04SEP12	15OCT12	15OCT12	83	0.00		0.00						
1305-1250	Fab & deliver OH Lwr Lead & Suppt Struct	60	16OCT12	16OCT12	18JAN13	18JAN13	83	33,000.00		0.00						
Inner TF Conductor Receipt/Inspection/Prep																
1304-1310	Inspect Machined TF Conductors	20	06MAR12	06MAR12	02APR12	02APR12	17	34,812.80		0.00						
1304-1330	Solder TF cooling tubes [40 conductors]	72	03APR12	03APR12	13JUL12	13JUL12	17	125,326.08		0.00						
1304-1340	Cleanup TF conductors- post solder	60	17MAY12	17MAY12	10AUG12	10AUG12	17	69,625.60		0.00						
1304-1350	Sandblast TF conductor length for primer	40	13AUG12	13AUG12	08OCT12	08OCT12	17	69,845.44		0.00						
1304-1360	Apply primer [40 TF conductors]	5	09OCT12	09OCT12	15OCT12	15OCT12	17	8,886.40		0.00						
Inner TF Quadrant 1																
1304-1510	Supervise TF/OH Coil Manufacturing	240	02OCT12	02OCT12	19SEP13	19SEP13	18	211,896.00		0.00						
1304-1520	Apply turn insulation Quadrant #1	5	02OCT12	02OCT12	08OCT12	08OCT12	17	17,772.80		0.00						
1304-1530	Assemble Quadrant #1	10	09OCT12	09OCT12	22OCT12	22OCT12	17	44,432.00		0.00						
1304-1540	Prepare VPI operation	3	23OCT12	23OCT12	25OCT12	25OCT12	17	10,663.68		0.00						
1304-1550	VPI- fill quadrant	2	26OCT12	26OCT12	29OCT12	29OCT12	17	7,109.12		0.00						
1304-1560	Cure VPI'd coil	8	30OCT12	30OCT12	08NOV12	08NOV12	17	7,109.12		0.00						
1304-1570	Remove Quadrant #1 from mold	1	09NOV12	09NOV12	09NOV12	09NOV12	17	3,554.56		0.00						
1304-1580	Cleanup quadrant	2	12NOV12	12NOV12	13NOV12	13NOV12	17	3,554.56		0.00						
1304-1590	Perform T/T electrical tests	1	14NOV12	14NOV12	14NOV12	14NOV12	17	1,777.28		0.00						
Inner TF Quadrant 2																
1304-1620	Apply turn insulation Quadrant #2	5	15NOV12	15NOV12	21NOV12	21NOV12	17	17,772.80		0.00						
1304-1630	Assemble Quadrant #2	5	26NOV12	26NOV12	30NOV12	30NOV12	17	22,216.00		0.00						
1304-1640	Prepare VPI operation	3	03DEC12	03DEC12	05DEC12	05DEC12	17	10,663.68		0.00						
1304-1650	VPI- fill quadrant	2	06DEC12	06DEC12	07DEC12	07DEC12	17	7,109.12		0.00						
1304-1660	Cure VPI'd coil	8	10DEC12	10DEC12	19DEC12	19DEC12	17	7,109.12		0.00						
1304-1670	Remove Quadrant #2 from mold	1	20DEC12	20DEC12	20DEC12	20DEC12	17	3,554.56		0.00						

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY					
											FY11	FY12	FY13	FY14	FY15	
1306-2020	Prep Spec for Inner PF Conductor	5	24OCT11	24OCT11	28OCT11	28OCT11	179	0.00		0.00						
1306-2030	Bid/Award - Inner PF Conductor	30	31OCT11	31OCT11	13DEC11	13DEC11	179	0.00		0.00						
1306-2050	Fab & Deliver Inner PF Conductor	70	14DEC11	14DEC11	28MAR12	28MAR12	179	59,856.00		0.00						
1306-3010	Prep Req for Kapton/Glass Insulation	10	03OCT11*	03OCT11*	14OCT11	14OCT11	209	0.00		0.00						
1306-3020	Bid/Award Kapton/Glass Insulation	30	17OCT11	17OCT11	29NOV11	29NOV11	209	1,380.64		0.00						
1306-3030	Fab & Deliver Kapton/Glass Insulation	50	30NOV11	30NOV11	15FEB12	15FEB12	209	28,906.44		0.00						
1306-4010	Prep SOW for SS Supp for PF1A/B Coils	20	03OCT11*	03OCT11*	28OCT11	28OCT11	169	0.00		0.00						
1306-4020	Bid/Award SS Supp for PF1A/B	30	31OCT11	31OCT11	13DEC11	13DEC11	169	0.00		0.00						
1306-4030	Fab & Deliver SS Supp for PF1A/B	80	14DEC11	14DEC11	11APR12	11APR12	169	138,483.20		0.00						
1306-5010	Generate SOW & Spec for Inner PF Coil Fab	15	02APR12*	02APR12*	20APR12	20APR12	127	0.00		0.00						
1306-5020	Prep Req for Inner PF Fabrication	5	23APR12	23APR12	27APR12	27APR12	127	0.00		0.00						
1306-5030	Bid/Award Inner PF Fabrication	30	30APR12	30APR12	11JUN12	11JUN12	127	0.00		0.00						
1306-5050	Fab & Deliver Inner PF Coils	200	02JUL12*	02JUL12*	22APR13	22APR13	113	264,841.80		0.00						
FY101306	FY10 Actual Cost	100	01DEC09A	01DEC09A	30APR10A	30APR10A		57,253.00	100	57,253.00						
FY101306A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		20,513.00	100	20,513.00						
Job: 1307 - CS Casing Assembly -CHRZANOWSKI																
1307-1010	Complete CAD Detail & Assy Drawings (Prelim)	104	03MAY10A	03MAY10A	31AUG10A	31AUG10A		0.00	100	0.00						
1307-1010A	Complete CAD Detail & Assy Drawings (Final)	48	01FEB11*	28FEB11*	07APR11	04MAY11	-4	29,478.76		0.00						
1307-1020	Complete Bellow & Ceramic Break Analysis	191*	24JUN10A	24JUN10A	31JAN11	31MAR11	20	10,968.05	85	9,322.84						
1307-1030	Complete Halo Loading	176*	16JUL10A	16JUL10A	31JAN11	31MAR11	20	14,726.12	85	12,517.20						
1307-1040	Complete-Maintain Heat Balance Cooling Calcs	156*	13AUG10A	13AUG10A	31JAN11	31MAR11	20	14,904.34	85	12,668.69						
1307-1050	Integrate Thermal, Halo, Dsir Loads into Calcs	121*	01FEB11	04OCT10A	28FEB11	31MAR11	16	15,414.40	82	12,639.81						
1307-1060	Fatigue Assessments	68*	01MAR11	20DEC10A	07MAR11	31MAR11	20	3,853.60	82	3,159.95						
1307-1150	Prepare for FDR	38	08APR11	05MAY11	15APR11	28JUN11	-4	2,997.84		0.00						
1307-1155	CS Casing Assembly - Peer review	0				18MAY11*	2,326	0.00		0.00						
1307-2010	Prep CS Casing SOW & Requisition	20	03JAN12*	03JAN12*	30JAN12	30JAN12	221	0.00		0.00						
1307-2020	Bid/Award CS Casing Contract	30	31JAN12	31JAN12	12MAR12	12MAR12	221	2,580.00		0.00						
1307-2030	Fabricate CS Casing	150	25JUN12*	25JUN12*	04FEB13	04FEB13	148	307,031.33		0.00						
1307-2040	Spec/Requisition Inconel Bellows	20	03OCT11*	03OCT11*	28OCT11	28OCT11	219	0.00		0.00						
1307-2050	Bid/Award Inconel Bellows	30	31OCT11	31OCT11	13DEC11	13DEC11	219	0.00		0.00						
1307-2060	Fab & Deliver Inconel Bellows	60	14DEC11	14DEC11	14MAR12	14MAR12	219	45,150.00		0.00						
1307-2070	Spec/Requisition Rotatable Flanges	20	04SEP12*	04SEP12*	01OCT12	01OCT12	291	0.00		0.00						
1307-2080	Bid/Award Rotatable Flanges	30	02OCT12	02OCT12	12NOV12	12NOV12	291	0.00		0.00						
1307-2090	Fab & Deliver Rotatable Flanges	60	01OCT13*	01OCT13*	06JAN14	06JAN14	74	23,085.00		0.00						
1307-2100	Spec/Requisition CHI Copper Leads U&L	20	01AUG12*	01AUG12*	28AUG12	28AUG12	193	0.00		0.00						
1307-2110	Bid/Award CHI Copper Leads	30	29AUG12	29AUG12	10OCT12	10OCT12	193	0.00		0.00						
1307-2120	Fab & Deliver CHI copper Leads U&L	60	11OCT12	11OCT12	15JAN13	15JAN13	193	21,120.00		0.00						
1307-2130	Spec/Requisition CS Casing Support Structure	20	04SEP12*	04SEP12*	01OCT12	01OCT12	261	0.00		0.00						
1307-2140	Bid/Award CS Casing Support Structure	30	02OCT12	02OCT12	12NOV12	12NOV12	261	0.00		0.00						
1307-2150	Fab & Deliver CS Casing Support Structure	80	13NOV12	13NOV12	15MAR13	15MAR13	261	39,600.00		0.00						
1307-2160	Spec/Requisition Weld Material	20	26SEP11*	01SEP11*	21OCT11	29SEP11	240	0.00		0.00						

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY					
											FY11	FY12	FY13	FY14	FY15	
1307-2170	Bid/Award Weld Material	30	24OCT11	30SEP11	06DEC11	10NOV11	240	0.00		0.00						
1307-2180	Fab & Deliver Weld Material	60	07DEC11	11NOV11	07MAR12	14FEB12	240	7,830.64		0.00						
1307-2190	Spec/Requisition Misc M&S	20	26SEP11*	01SEP11*	21OCT11	29SEP11	240	0.00		0.00						
1307-2200	Bid/Award Misc M&S	30	24OCT11	30SEP11	06DEC11	10NOV11	240	0.00		0.00						
1307-2210	Fab & deliver Misc M&S	60	07DEC11	11NOV11	07MAR12	14FEB12	240	9,211.28		0.00						
1307-2220	Spec/requisition Ceramic Insulators	20	04SEP12*	04SEP12*	01OCT12	01OCT12	291	0.00		0.00						
1307-2230	Bid/Award Creamic Insulators	30	02OCT12	02OCT12	12NOV12	12NOV12	291	0.00		0.00						
1307-2240	Fab & Deliver Ceramic Insulators	60	13NOV12	13NOV12	15FEB13	15FEB13	291	105,600.00		0.00						
1307-2250	Spec/Requisition CB SS Structure	20	26SEP11*	01SEP11*	21OCT11	29SEP11	210	0.00		0.00						
1307-2260	Bid/Award CB SS Structure	30	24OCT11	30SEP11	06DEC11	10NOV11	210	0.00		0.00						
1307-2270	Fab & Deliver CB SS Structure	60	07DEC11	11NOV11	07MAR12	14FEB12	210	58,050.00		0.00						
1307-2280	30Spec/Requisition Viton O Rings	20	04SEP12*	04SEP12*	01OCT12	01OCT12	321	0.00		0.00						
1307-2290	Bid/Award Viton O Rings	30	02OCT12	02OCT12	12NOV12	12NOV12	321	0.00		0.00						
1307-2300	Fab & Deliver Viton O Rings	30	13NOV12	13NOV12	04JAN13	04JAN13	321	8,012.64		0.00						
1307-2310	Spec/Requisition Organ Pipe Adapters & Feedthrus	20	04SEP12*	04SEP12*	01OCT12	01OCT12	180	0.00		0.00						
1307-2320	Bid/Award Organ Pipe Adapters & Feedthrus	30	02OCT12	02OCT12	12NOV12	12NOV12	180	0.00		0.00						
1307-2330	Fab & Deliver Organ Pipe Adapters & Feedthrus	50	13NOV12	13NOV12	01FEB13	01FEB13	180	50,437.92		0.00						
1307-2340	Design Stud Installation Fixture	20	03OCT12*	03OCT12*	30OCT12	30OCT12	219	11,188.80		0.00						
1307-2350	Fabricate Fixture for Stud Installation	20	31OCT12	31OCT12	29NOV12	29NOV12	219	15,969.60		0.00						
1307-3010	Assemble & Test Ceramic Breaks incl PF1C Coil	20	23APR13	23APR13	20MAY13	20MAY13	225	31,919.20		0.00						
FY101307	FY10 Actual Cost	100	01DEC09A	01DEC09A	30APR10A	30APR10A		55,426.00	100	55,426.00						
FY101307A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		19,421.00	100	19,421.00						
Job: 1310 - CSU Magnet Systems-CHRZANOWSKI																
FY101310	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A		441,918.00	100	441,918.00						
Job: 1302 - Center Stack Assembly-CHRZANOWSKI																
1302-0050	CAD Support for Setup of CS Assembly Area	25	03OCT11*	03OCT11*	04NOV11	04NOV11	404	27,396.00		0.00						
1302-0060	Generate CS Assembly Procedure	10	26SEP11	26SEP11*	07OCT11	07OCT11	389	0.00		0.00						
1302-0070	Generate CS Installation Procedure	10	10OCT11	10OCT11	21OCT11	21OCT11	389	0.00		0.00						
1302-0080	Modify CS Assembly Fixture	20	12NOV12	12NOV12	11DEC12	11DEC12	180	45,302.40		0.00						
1302-0090	Setup CS Assembly Area	30	01OCT12*	01OCT12*	09NOV12	09NOV12	180	81,642.72		0.00						
1302-0150	Receive OH/TF Assembly	1	24SEP13	24SEP13	24SEP13	24SEP13	17	0.00		0.00						
1302-0160	Receive Inner PF Coils	1	23APR13*	23APR13*	23APR13	23APR13	113	0.00		0.00						
1302-0170	Perf Accept Elect & Hydr test on PF Coils	5	24APR13	24APR13	30APR13	30APR13	113	6,903.84		0.00						
1302-0180	Wrap PF1A Coil with Microtherm	5	01MAY13	01MAY13	07MAY13	07MAY13	113	4,443.20		0.00						
1302-0200	Receive CS Vacuum Casing	1	05FEB13	05FEB13	05FEB13	05FEB13	148	0.00		0.00						
1302-0210	Install Inconel Weld Studs on Casing Wall	20	06FEB13	06FEB13	05MAR13	05MAR13	148	27,159.20		0.00						
1302-0220	Mount Upper & Lower PF1B Coils to CS Casing	10	06MAR13	06MAR13	19MAR13	19MAR13	148	15,995.52		0.00						
1302-1500	Assemble CS (OH Diag, Microtherm, Casing PFCs)	120	01OCT13*	01OCT13*	31MAR14	31MAR14	13	726,313.00		0.00						
1302-1550	Deliver CS to NTC	1	01APR14	01APR14	01APR14	01APR14	13	0.00		0.00						
1302-1600	Tear Down Assembly Area	20	01APR14	01APR14	28APR14	28APR14	108	54,901.92		0.00						

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	Fiscal Year					
											FY11	FY12	FY13	FY14	FY15	
1305-0200	Analysis of Mfg Tooling & CS Support Fixture	25	24OCT11*	24OCT11*	29NOV11	29NOV11	389	0.00		0.00						
1.2 Plasma Heating																
Job: 2300 - Other Analysis-TITUS																
2300-0011	Run Other GRD disruptions for the HHFW antenna	193*	01JUN10A	01JUN10A	31AUG10A	10MAR11	9	0.00	80	0.00	EA//EM =000 ;					
2300-0012	Updat HHFW Antenna	193*	01JUN10A	01JUN10A	31AUG10A	10MAR11	9	0.00	80	0.00	EA//EM =00 ;					
2300-0013	Maintain/Update Diagnostic Database	208*	01JUN10A	01JUN10A	31AUG10A	31MAR11	20	0.00	99.	0.00	EA//EM =200 ;					
2300-0014	File Preliminary Database/Study	208*	01JUN10A	01JUN10A	31AUG10A	31MAR11	48	0.00	99.	0.00	EA//EM =100 ;					
2300-0015	Check/Complete Disruption and Thermal Analyses	154*	01SEP10A	01SEP10A	01APR11	15APR11	9	18,958.98	75	14,219.24	EA//EM =100 ;					
2300-0016	Present/track recommendations	154*	01SEP10A	01SEP10A	01APR11	28FEB11A		18,958.98	100	18,958.98	EA//EM =100 ;					
2300-0018	FDR Prep	28*	04APR11	18APR11	27MAY11	25MAY11	9	19,268.00		0.00	EA//EM =100 ;					
2300-0018A	Other Analysis - Peer review	0				18MAY11*	2,326	0.00		0.00						
2300-0019	CONDUCT FDR	10	31MAY11	26MAY11	06JUN11	09JUN11*	9	3,853.60		0.00	EM//EC =20 ;					
FY102300	FY10 Actual Cost	22	01APR10A	01APR10A	30APR10A	30APR10A		3,904.00	100	3,904.00						
FY102300A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		19,255.00	100	19,255.00	81=22956					
Job: 2420 - 2nd NBI Sources-CROPPER																
Design																
24200020	PDR Prep PPL	26	17MAY10A	17MAY10A	22JUN10A	22JUN10A		0.00	100	0.00						
24200050	CONDUCT PDR	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A		0.00	100	0.00						
24200059	Peer Review	0			31MAR11	14APR11*	48	0.00		0.00						
24200060	FDR Prep PPL	20	17MAY11	16MAY11*	14JUN11	13JUN11	6	2,485.12		0.00	EE//SM =16 ;					
24200090	CONDUCT FDR	1	15JUN11	14JUN11	15JUN11	14JUN11	6	1,242.56		0.00	EE//SM =08 ;					
Procure, Fab & Assembly																
24200100	Prep Requisition and procurement package	5	15MAY13*	15MAY13*	21MAY13	21MAY13	20	6,956.40		0.00						
24200110	SUBMIT REQ TO PROCUREMENT	1	22MAY13	22MAY13	22MAY13	22MAY13	20	1,391.28		0.00						
24200120	Procurement lead time (1)	15	23MAY13	23MAY13	13JUN13	13JUN13	20	0.00		0.00						
24200130	AWARD	1	14JUN13	14JUN13	14JUN13	14JUN13	20	0.00		0.00						
24200150	Fabricate or delivery	40	17JUN13	17JUN13	13AUG13	13AUG13	20	87,120.00		0.00						
24200160	Refurbish Source A	90	14AUG13	14AUG13	20DEC13	20DEC13	20	303,972.96		0.00	EE//SM =160 ; EE//SB =640 ; EE//TB =1,920 ;					
24200170	Refurbish Source B	70	02JAN14	02JAN14	09APR14	09APR14	20	307,667.20		0.00	EE//SM =160 ; EE//SB =640 ; EE//TB =1,920 ;					
24200180	Refurbish Source C	80	10APR14	10APR14	01AUG14	01AUG14	20	307,667.20		0.00	EE//SM =160 ; EE//SB =640 ; EE//TB =1,920 ;					
24200200	Build Probe tips (10 Long, 20 short)	60	08MAY14	08MAY14	01AUG14	01AUG14	41	75,669.68		0.00	EE//SM =80 ; EE//SB =24 ; EM//ST =480 ; 41=2,000 ;					
Job: 2425 - BL Relocation-DENAULT																
Design																
2425-0017	Design Drawings	24	03MAY10A	03MAY10A	04JUN10A	04JUN10A		0.00	100	0.00						
2425-0018	PDR Prep	11	07JUN10A	07JUN10A	21JUN10A	21JUN10A		0.00	100	0.00						
2425-0019	CONDUCT PDR	2	22JUN10A	22JUN10A	23JUN10A	23JUN10A		0.00	100	0.00						
2425-0020	Layman Review	5	10AUG10A	10AUG10A	16AUG10A	16AUG10A		0.00	100	0.00						
2425-0023	Disposition PDR Chits	2	24JUN10A	24JUN10A	25JUN10A	25JUN10A		0.00	100	0.00						
2425-0024	Design Drawings	132*	01DEC10*	01OCT10A	16MAR11	14APR11	6	17,041.40	15	2,556.21	EM//EM =20 ; EA//ES =80 ; EE//EM =40 ;					
2425-0025	Update Analyses	111*	01DEC10*	01OCT10A	16MAR11	16MAR11	6	21,742.80	50	10,871.40	EM//EM =40 ; EAA//EM =80 ;					
2425-0026	Update Cost & Schedule Estimate	30*	15FEB11*	15FEB11A	28MAR11	28MAR11	6	6,328.40	25	1,582.10	EM//EM =40 ;					
2425-0027	Prep Procurement Specs	30	29MAR11	29MAR11	09MAY11	09MAY11	6	6,328.40		0.00	EM//EM =40 ;					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	Fiscal Year					
											FY11	FY12	FY13	FY14	FY15	
2425-0027A	Peer Review	0			31MAR11	14APR11*	48	0.00		0.00						
2425-0028	FDR Prep	23	10MAY11	10MAY11	10JUN11	10JUN11	6	6,328.40		0.00						
2425-0029	CONDUCT FDR 2425	2	13JUN11	13JUN11	14JUN11	14JUN11	6	2,531.36		0.00						
Procure, Fab & Assembly																
2425-0033	Prep Requisitn and procuremnt pkg-Steel & Parts	1	01OCT12*	01OCT12*	01OCT12	01OCT12	162	0.00		0.00						
2425-0034	SUBMIT REQ TO PROCUREMENT - Steel and Parts	1	02OCT12	02OCT12	02OCT12	02OCT12	162	0.00		0.00						
2425-0035	Procurement lead time (1) - Steel and Parts	30	03OCT12	03OCT12	13NOV12	13NOV12	162	0.00		0.00						
2425-0036	AWARD - Steel and Parts	1	14NOV12	14NOV12	14NOV12	14NOV12	162	0.00		0.00						
2425-0037	Fabricate or delivery - Steel and Parts	30	15NOV12	15NOV12	08JAN13	08JAN13	162	63,360.00		0.00						
2425-0039	Prep Requisition and procurement pkg - Lifting	2	01OCT12*	01OCT12*	02OCT12	02OCT12	173	0.00		0.00						
2425-0040	SUBMIT REQ TO PROCUREMENT - Lifting Equipment	1	03OCT12	03OCT12	03OCT12	03OCT12	173	0.00		0.00						
2425-0041	Procurement lead time (1) - Lifting Equipment	30	04OCT12	04OCT12	14NOV12	14NOV12	173	0.00		0.00						
2425-0042	AWARD - Lifting Equipment	1	15NOV12	15NOV12	15NOV12	15NOV12	173	0.00		0.00						
2425-0043	Fabricate or delivery - Lifting Equipment	30	16NOV12	16NOV12	09JAN13	09JAN13	173	26,400.00		0.00						
Installation																
2425-0055	Engineering 1 Days Per Week title III	325	02APR13*	02APR13*	22JUL14	22JUL14	30	112,618.48		0.00						
2425-0056	Engineering Support .Days Per Weektitle III	325	02APR13	02APR13	22JUL14	22JUL14	30	40,502.30		0.00						
2425-0057	Drafting Support .5 day/week title III	325	02APR13	02APR13	22JUL14	22JUL14	30	34,285.56		0.00						
2425-0058	Test Cell Maintenance	248	01OCT12*	01OCT12*	30SEP13	30SEP13	229	71,675.00		0.00						
2425-0060	Road - Path	5	01APR13*	01APR13*	05APR13	05APR13	104	24,836.00		0.00						
2425-0061	Duct Removal - Path	2	08APR13	08APR13	09APR13	09APR13	104	9,934.40		0.00						
2425-0062	Lintel Removal - Path	3	10APR13	10APR13	12APR13	12APR13	104	17,822.56		0.00						
2425-0063	Lintel Install - Path	2	15APR13	15APR13	16APR13	16APR13	104	12,855.36		0.00						
2425-0064	Duct Install - Path	2	17APR13	17APR13	18APR13	18APR13	104	35,014.40		0.00						
2425-0068	Setup - Metrology	5	19APR13	19APR13	25APR13	25APR13	104	23,057.60		0.00						
2425-0069	Measure - Metrology	15	26APR13	26APR13	16MAY13	16MAY13	104	138,345.60		0.00						
2425-0070	Model - Metrology	5	17MAY13	17MAY13	23MAY13	23MAY13	104	36,548.80		0.00						
2425-0071	Lay out - Metrology	5	24MAY13	24MAY13	31MAY13	31MAY13	104	27,017.60		0.00						
2425-0073	Labyrinth Removal	20	01MAY13*	01MAY13*	29MAY13	29MAY13	105	84,578.88		0.00						
2425-0076	Construction - Lift Fixtures	20	09APR13*	09APR13*	06MAY13	06MAY13	110	92,918.40		0.00						
2425-0077	Load Test - Lift Fixtures	5	07MAY13	07MAY13	13MAY13	13MAY13	110	27,478.40		0.00						
2425-0078	Move - Lift Fixtures	1	14MAY13	14MAY13	14MAY13	14MAY13	110	2,665.92		0.00						
2425-0079	Trial Runs - Lift Fixtures	5	15MAY13	15MAY13	21MAY13	21MAY13	110	27,478.40		0.00						
Relocate HVE																
2425-0123	Move - HVE 1 Movement	2	20MAY13*	20MAY13*	21MAY13	21MAY13	68	11,351.52		0.00						
2425-0124	Disassemble - HVE 1 Movement	2	22MAY13	22MAY13	23MAY13	23MAY13	68	9,934.40		0.00						
2425-0125	Move to Crain Access - HVE 1 Movement	2	24MAY13	24MAY13	28MAY13	28MAY13	68	9,934.40		0.00						
2425-0126	Lift into TFTR - HVE 1 Movement	1	29MAY13	29MAY13	29MAY13	29MAY13	68	4,967.20		0.00						
2425-0127	Move In - HVE 1 Movement	1	30MAY13	30MAY13	30MAY13	30MAY13	68	4,967.20		0.00						
2425-0128	Over Wall - HVE 1 Movement	2	31MAY13	31MAY13	03JUN13	03JUN13	68	11,711.68		0.00						
2425-0129	Reassemble - HVE 1 Movement	2	04JUN13	04JUN13	05JUN13	05JUN13	68	9,934.40		0.00						
2425-0130	Placement - HVE 1 Movement	3	06JUN13	06JUN13	10JUN13	10JUN13	68	16,221.60		0.00						

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY					
											FY11	FY12	FY13	FY14	FY15	
2425-0133	Move - HVE 2 Movement	2	11JUN13	11JUN13	12JUN13	12JUN13	68	11,351.52		0.00					EM//EM =08 ; EM//SM =16 ; EM//ST =64 ;	
2425-0134	Disassemble - HVE 2 Movement	2	13JUN13	13JUN13	14JUN13	14JUN13	68	9,934.40		0.00					EM//SM =16 ; EM//ST =64 ;	
2425-0135	Move to Crain Access - HVE 2 Movement	2	17JUN13	17JUN13	18JUN13	18JUN13	68	9,934.40		0.00					EM//SM =16 ; EM//ST =64 ;	
2425-0136	Lift into TFTR - HVE 2 Movement	1	19JUN13	19JUN13	19JUN13	19JUN13	68	4,967.20		0.00					EM//SM =08 ; EM//ST =32 ;	
2425-0137	Move In - HVE 2 Movement	1	20JUN13	20JUN13	20JUN13	20JUN13	68	4,967.20		0.00					EM//SM =08 ; EM//ST =32 ;	
2425-0138	Over Wall - HVE 2 Movement	2	21JUN13	21JUN13	24JUN13	24JUN13	68	11,711.68		0.00					EM//SM =16 ; EM//ST =80 ;	
2425-0139	Reassemble - HVE 2 Movement	2	25JUN13	25JUN13	26JUN13	26JUN13	68	9,934.40		0.00					EM//SM =16 ; EM//ST =64 ;	
2425-0140	Placement - HVE 2 Movement	3	27JUN13	27JUN13	01JUL13	01JUL13	68	16,221.60		0.00					EM//SM =24 ; EM//ST =96 ; 41=1,000 ;	
2425-0143	Move - HVE 3 Movement	2	02JUL13	02JUL13	03JUL13	03JUL13	68	11,351.52		0.00					EM//EM =08 ; EM//SM =16 ; EM//ST =64 ;	
2425-0144	Disassemble - HVE 3 Movement	2	08JUL13	08JUL13	09JUL13	09JUL13	68	9,934.40		0.00					EM//SM =16 ; EM//ST =64 ;	
2425-0145	Move to Crain Access - HVE 3 Movement	2	10JUL13	10JUL13	11JUL13	11JUL13	68	9,934.40		0.00					EM//SM =16 ; EM//ST =64 ;	
2425-0146	Lift into TFTR - HVE 3 Movement	1	12JUL13	12JUL13	12JUL13	12JUL13	68	4,967.20		0.00					EM//SM =08 ; EM//ST =32 ;	
2425-0147	Move In - HVE 3 Movement	1	15JUL13	15JUL13	15JUL13	15JUL13	68	4,967.20		0.00					EM//SM =08 ; EM//ST =32 ;	
2425-0148	Over Wall - HVE 3 Movement	2	16JUL13	16JUL13	17JUL13	17JUL13	68	11,711.68		0.00					EM//SM =16 ; EM//ST =80 ;	
2425-0149	Reassemble - HVE 3 Movement	2	18JUL13	18JUL13	19JUL13	19JUL13	68	9,934.40		0.00					EM//SM =16 ; EM//ST =64 ;	
2425-0150	Placement - HVE 3 Movement	3	22JUL13	22JUL13	24JUL13	24JUL13	68	14,901.60		0.00					EM//SM =24 ; EM//ST =836 ; 41=7,000 ;	
2425-0155	Install HVE Hilti	45	20MAY13	20MAY13	24JUL13	24JUL13	68	5,763.20		0.00					EM//SM =0 ; EM//SB =40 41=1,000 ;	
2425-0160	Remove / Reinstall Floor Plug	45	20MAY13	20MAY13	24JUL13	24JUL13	68	26,176.00		0.00					EM//SM =0 ; EM//SB =200 41=3,000 ;	
Relocate Beamline **TC LIMITED ACCESS**																
2425-0081	BEGIN BEAMLINE RELOCATION TO NTC	0	17OCT13	17OCT13			8	0.00		0.00						
2425-0082	Lift onto Rollers - Box Movements	1	17OCT13	17OCT13	17OCT13	17OCT13	8	34,807.04		0.00					EM//EM =152 ; EM//SM =08 ; EM//ST =48 ;	
2425-0083	Move IN - Box Movements	1	18OCT13	18OCT13	18OCT13	18OCT13	8	8,434.88		0.00					EM//EM =08 ; EM//SM =08 ; EM//ST =48 ;	
2425-0084	Over Wall - Box Movements	1	21OCT13	21OCT13	21OCT13	21OCT13	8	8,434.88		0.00					EM//EM =08 ; EM//SM =08 ; EM//ST =48 ;	
2425-0085	Placement - Box Movements	10	22OCT13	22OCT13	04NOV13	04NOV13	8	84,348.80		0.00					EM//EM =80 ; EM//SM =80 ; EM//ST =480 ;	
2425-0086	Metrology - Box Movements	10	05NOV13	05NOV13	18NOV13	18NOV13	8	63,800.00		0.00					EM//EM =80 ; EM//SM =80 ; EM//ST =160 ; 41=12,000 ;	
2425-0089	Off - Source Platform	1	19NOV13*	19NOV13*	19NOV13	19NOV13	8	4,213.60		0.00					EM//SM =08 ; EM//ST =24 ;	
2425-0090	Move - Source Platform	1	20NOV13	20NOV13	20NOV13	20NOV13	8	3,294.88		0.00					EM//SM =08 ; EM//ST =16 ;	
2425-0091	Lift - Source Platform	1	21NOV13	21NOV13	21NOV13	21NOV13	8	5,132.32		0.00					EM//SM =08 ; EM//ST =32 ;	
2425-0092	On - Source Platform	1	22NOV13	22NOV13	22NOV13	22NOV13	8	5,132.32		0.00					EM//SM =08 ; EM//ST =32 ;	
2425-0093	Metrology - Source Platform	10	25NOV13	25NOV13	10DEC13	10DEC13	8	87,375.60		0.00					EM//EM =160 ; EM//SM =80 ; EM//ST =320 ; 41=5,000 ;	
2425-0097	Stabilize - Lid Movement	3	11DEC13	11DEC13	13DEC13	13DEC13	8	22,548.48		0.00					EM//EM =24 ; EM//SM =24 ; EM//ST =120 ;	
2425-0098	Lift onto Rollers - Lid Movement	1	16DEC13	16DEC13	16DEC13	16DEC13	8	8,434.88		0.00					EM//EM =08 ; EM//SM =08 ; EM//ST =48 ;	
2425-0099	Move IN - Lid Movement	1	17DEC13	17DEC13	17DEC13	17DEC13	8	8,434.88		0.00					EM//EM =08 ; EM//SM =08 ; EM//ST =48 ;	
2425-0100	Over Wall - Lid Movement	1	18DEC13	18DEC13	18DEC13	18DEC13	8	8,434.88		0.00					EM//EM =08 ; EM//SM =08 ; EM//ST =48 ;	
2425-0101	Placement - Lid Movement	1	19DEC13	19DEC13	19DEC13	19DEC13	8	4,760.00		0.00					EM//EM =08 ; EM//SM =08 ; EM//ST =16 ;	
2425-0102	Metrology - Lid Movement	1	20DEC13	20DEC13	20DEC13	20DEC13	8	19,350.00		0.00					EM//EM =16 ; EM//SM =08 ; EM//ST =48 ; 41=7,000 ;	
2425-0106	90in Flange - Component Movement	2	02JAN14	02JAN14	03JAN14	03JAN14	8	10,264.64		0.00					EM//SM =16 ; EM//ST =64 ;	
2425-0107	Magnet - Component Movement	2	06JAN14	06JAN14	07JAN14	07JAN14	8	11,729.76		0.00					EM//EM =08 ; EM//SM =16 ; EM//ST =64 ;	
2425-0108	Ion Dump - Component Movement	2	08JAN14	08JAN14	09JAN14	09JAN14	8	11,729.76		0.00					EM//EM =08 ; EM//SM =16 ; EM//ST =64 ;	
2425-0109	Exit Spool - Component Movement	2	10JAN14	10JAN14	13JAN14	13JAN14	8	10,264.64		0.00						
2425-0110	TIV - Component Movement	2	14JAN14	14JAN14	15JAN14	15JAN14	8	10,264.64		0.00					EM//SM =16 ; EM//ST =64 ;	

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	Fiscal Year								
											FY11	FY12	FY13	FY14	FY15				
2425-0111	Calorimeter - Component Movement	2	16JAN14	16JAN14	17JAN14	17JAN14	8	17,129.76		0.00			EM//EM =08 ; EM//SM =16 ; EM//ST =64 ; 41=4,000 ;						
2425-0112	BEAMLINE AND COMPONENTS INSTALLED IN NTC	0			17JAN14	17JAN14	8	0.00		0.00									
Relocate Sources																			
2425-0115	Move 1 - Source Movement	2	20JAN14	20JAN14	21JAN14	21JAN14	146	10,264.64		0.00			EM//SM =16 ; EM//ST =64 ;						
2425-0116	Align 1 - Source Movement	4	22JAN14	22JAN14	27JAN14	27JAN14	146	32,250.24		0.00			EM//EM =64 ; EM//SM =32 ; EM//ST =128 ;						
2425-0117	Move 2 - Source Movement	2	10APR14	10APR14	11APR14	11APR14	94	10,264.64		0.00			EM//SM =16 ; EM//ST =64 ;						
2425-0118	Align 2 - Source Movement	4	14APR14	14APR14	17APR14	17APR14	94	32,250.24		0.00			EM//EM =64 ; EM//SM =32 ; EM//ST =128 ;						
2425-0119	Move 3 - Source Movement	2	04AUG14	04AUG14	05AUG14	05AUG14	20	10,264.64		0.00			EM//SM =16 ; EM//ST =64 ;						
2425-0120	Align 3 - Source Movement	4	06AUG14	06AUG14	11AUG14	11AUG14	20	37,650.24		0.00			EM//EM =64 ; EM//SM =32 ; EM//ST =128 ;						
FY092425	FY09 Actual Cost	22*	23FEB09A	23FEB09A	30SEP09A	30SEP09A		15,023.00	100	15,023.00									
FY102425	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A		19,729.00	100	19,729.00									
FY102435A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		6,165.00	100	6,165.00									
Job: 2430 - 2nd NBI Decontamination-STEVENSON																			
24300230	Decon Calorimeter	30	01OCT09A	01OCT09A	11NOV09A	11NOV09A		0.00	100	0.00									
24300240	Decon Ion Dump	42	03MAY10A	03MAY10A	30JUN10A	30JUN10A		0.00	100	0.00									
24300260	Decon Bending Magnet	25	26MAY10A	26MAY10A	30JUN10A	30JUN10A		0.00	100	0.00									
24300280	Decon 90 inch flange & neutralizer	63	03MAY10A	03MAY10A	30JUL10A	30JUL10A		0.00	100	0.00									
24300300	Decon Exit Spool Piece	36*	01SEP10A	01SEP10A	30SEP10A	30SEP10A		97,606.20	100	97,606.20			EE//SM =160 ; EE//TB =800 ;						
24300310	Decon BL Lid	9	18JUN10A	18JUN10A	30JUN10A	30JUN10A		0.00	100	0.00									
24300370	Decon BL Box	11	13AUG10A	13AUG10A	27AUG10A	27AUG10A		0.00	100	0.00									
24300380	Decon BL exterior & accoutrements	49*	13AUG10A	13AUG10A	30SEP10A	30SEP10A		68,755.45	100	68,755.45			EE//SM =120 ; EE//TB =600 ;						
24300390	Decon Program Evaluation/Operation Impact Report	10	01SEP10A	01SEP10A	30SEP10A	30SEP10A		0.00	100	0.00			EM//EM =240 ;						
24300399	DECON COMPLETE	0			21OCT10A	21OCT10A		0.00	100	0.00									
24300400	Decon Procurement Support - Material & Supplies	121*	03MAY10A	03MAY10A	30SEP10A	30SEP10A		92,040.00	100	92,040.00			41=52,000 ; 43=26,000 ;						
FY092430	FY09 Actual Cost	22*	23FEB09A	23FEB09A	30SEP09A	30SEP09A		1,238,513.00	100	1,238,513.00									
FY102430	FY10 Actual Cost	143	01OCT09A	01OCT09A	30SEP10A	30SEP10A		542,135.00	100	542,135.00									
FY112430	FY10 Actual Cost	143	01OCT10A	01OCT10A	29OCT10A	29OCT10A		18,000.00	100	18,000.00									
Job: 2440 - 2nd NBI Beamline-DENAUULT																			
Procure, Fab & Assembly																			
2440-0001	Begin refurbishment job parts list	143*	01OCT10*	01OCT10A	01FEB11	31JAN11A		6,212.80	100	6,212.80			EE//SM =40 ;						
2440-0002	Prepare drawings	600*	01OCT10*	01OCT10A	01MAR13	01MAR13	167	44,155.30	30	13,246.59			EA//ES =480 ;						
2440-0002A	Engineering Supervision (LOE)	599*	01OCT10*	01OCT10A	26APR13	28FEB13	168	161,592.38	LOE	26,501.15			EM//EM =960 ;						
2440-0003	Calorimeter parts	90	13DEC11	13DEC11	24APR12	24APR12	8	1,290.00		0.00			41=1,000 ;						
2440-0004	Ion Dump parts	90	03OCT11*	03OCT11*	15FEB12	15FEB12	57	2,580.00		0.00			41=2,000 ;						
2440-0005	Magnet parts	90	28NOV12	28NOV12	11APR13	11APR13	8	660.00		0.00			41=500 ;						
2440-0006	90 inch flange and neutralizer parts	90	15OCT12	15OCT12	28FEB13	28FEB13	8	1,320.00		0.00			41=1,000 ;						
2440-0007	Exit spool piece parts	90	04JAN13	04JAN13	09MAY13	09MAY13	8	6,600.00		0.00			41=5,000 ;						
2440-0008	BL Lid parts	90	03AUG12	03AUG12	11DEC12	11DEC12	8	1,568.00		0.00			41=1,200 ;						
2440-0009	BL Box parts	90	23MAY12	23MAY12	28SEP12	28SEP12	8	5,160.00		0.00			41=4,000 ;						
2440-0011	Calorimeter TC wiring	115	04NOV11	04NOV11	24APR12	24APR12	8	45,034.40		0.00			EM//ST =160 ; EE//TB =160 ; 41=10,000 ;						
2440-0012	Ion Dump TC wiring	103	22AUG11*	22AUG11*	24JAN12	24JAN12	73	37,745.26		0.00			EM//ST =160 ; EE//TB =160 ; 41=5,000 ;						

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY				
											FY11	FY12	FY13	FY14	FY15
2450-0040	Procurement lead time (1) - Pipe & misc.	30	20MAY13	20MAY13	01JUL13	01JUL13	24	0.00		0.00					
2450-0041	AWARD - Pipe & misc.	1	02JUL13	02JUL13	02JUL13	02JUL13	24	0.00		0.00					
2450-0042	Fabricate or delivery - Pipe & misc.	65	03JUL13	03JUL13	04OCT13	04OCT13	24	641,095.38		0.00					
2450-0053A	Engineering for 2nd NBI Services	356	15MAR13*	15MAR13*	18AUG14	18AUG14	1,517	457,664.43		0.00					
2450-0053B	Engineering Support for 2nd NBI Services	356	15MAR13	15MAR13	18AUG14	18AUG14	1,517	107,069.66		0.00					
2450-0053C	Drafting Support for 2nd NBI Services	863*	15MAR13	04MAR11*	18AUG14	18AUG14	30	114,210.07		0.00					
2450-0056	Install Penetrations	80	01JUN12*	01JUN12*	24SEP12	24SEP12	245	119,385.00		0.00					
2450-0057	Helium Transfer Lines	160	01AUG13*	01AUG13*	27MAR14	27MAR14	35	462,686.30		0.00					
2450-0059	Nitrogen Transfer Lines	120	31JAN14*	31JAN14*	21JUL14	21JUL14	35	188,429.70		0.00					
2450-0061	SF6 Transfer Lines	30	31JAN14*	31JAN14*	13MAR14	13MAR14	125	71,074.11		0.00					
2450-0063	HVE Water Lines	65	31JAN14*	31JAN14*	01MAY14	01MAY14	90	186,972.15		0.00					
2450-0065	Ion Dump Water Lines	175	07OCT13*	07OCT13*	23JUN14	23JUN14	24	434,324.95		0.00					
2450-0067	Ion Source Water Lines	130	07OCT13*	07OCT13*	18APR14	18APR14	69	310,648.55		0.00					
2450-0074	Vacuum Lines	30	24JUN14*	24JUN14*	05AUG14	05AUG14	24	88,868.12		0.00					
2450-0085	Stack 8 Vacuum Lines	30	07OCT13*	07OCT13*	15NOV13	15NOV13	199	54,837.20		0.00					
2450-0093	Gas System	23	07OCT13*	07OCT13*	06NOV13	06NOV13	206	50,948.02		0.00					
2450-0097	Legs	12	01OCT13*	01OCT13*	16OCT13	16OCT13	221	58,947.46		0.00					
2450-0099	HVAC	70	01OCT13*	01OCT13*	20JAN14	20JAN14	163	31,818.00		0.00					
2450-0102	Platform Mods	70	20JAN14*	20JAN14*	25APR14	25APR14	14	519,198.30		0.00					
2450-0103	NBI SERVICES COMPLETE	0			05AUG14	05AUG14	24	0.00		0.00					

FY092450	FY09 Actual Cost	22*	23FEB09A	23FEB09A	30SEP09A	30SEP09A		76,722.00	100	76,722.00					
FY102450	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A		122,550.00	100	122,550.00					
FY102450A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		66,728.00	100	66,728.00					

Job: 2460 - 2nd NBI Armor-DENAULT

2460-0016	Armor Service Connection (Bay H)	10	06JUL10A	06JUL10A	19JUL10A	19JUL10A		0.00	100	0.00					
2460-0018	PDR Prep - NBI Armor	36	03MAY10A	03MAY10A	22JUN10A	22JUN10A		0.00	100	0.00					
2460-0019	CONDUCT PDR - NBI Armor	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A		0.00	100	0.00					
2460-0020	Disposition PDR Chits - Final Design	23	28JUN10A	28JUN10A	29JUL10A	29JUL10A		0.00	100	0.00					
2460-0021	Revise Armor Backing &Armor service connect	19	28JUN10A	28JUN10A	23JUL10A	23JUL10A		0.00	100	0.00					
2460-0022	Design Drawings	186*	02AUG10A	02AUG10A	29APR11	08NOV10A		13,129.69	100	13,129.69					
2460-0024	Armor Instrumentation/Service Connection	63*	27JAN11*	18JAN11A	24FEB11	14APR11	25	18,542.32	50	9,271.16					
2460-0025	Develop Installation Techniques	20	25FEB11	15MAR11*	24MAR11	11APR11	14	10,821.60		0.00					
2460-0026	Update Analysis	41*	25MAR11	21FEB11A	13MAY11	18APR11	9	43,135.10	30	12,940.53					
2460-0026A	Peer Review - 2nd NBI Armor	0				14APR11*	2,350	0.00		0.00					
2460-0027	Update Cost & Sched Estimate - Final Dsgn	67*	16MAY11*	24JAN11A	23MAY11	26APR11	45	9,967.23	5	498.36					
2460-0028	FDR Prep - NBI Armor	35	16MAY11	19APR11*	13JUN11	07JUN11	9	6,446.04		0.00					
2460-0029	Conduct FDR - NBI Armor	2	14JUN11	08JUN11	14JUN11*	09JUN11*	9	1,265.68		0.00					
2460-0030	FDR Chit Resolution	20	15JUN11	10JUN11	13JUL11*	08JUL11*	424	23,472.00		0.00					
2460-0031	Prep Requisition & Procuremnt Pckg - Armor Tiles	10	02JAN13*	02JAN13*	15JAN13	15JAN13	58	8,502.72		0.00					
2460-0032	Submit Request to Procurement - Armor Tiles	1	16JAN13	16JAN13	16JAN13	16JAN13	58	708.56		0.00					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY										
											FY11	FY12	FY13	FY14	FY15						
2460-0033	Procurement Lead Times - Armor Tiles	40	17JAN13	17JAN13	13MAR13	13MAR13	58	0.00		0.00											
2460-0034	Award - Armor Tiles	1	14MAR13	14MAR13	14MAR13	14MAR13	58	0.00		0.00											
2460-0035	Fabricate / Delivery - Armor Tiles	180	15MAR13	15MAR13	27NOV13	27NOV13	58	29,234.00		0.00											
2460-0037	Prep Requisition & Procuremnt Pckg - Armor Tiles	10	01MAR13*	01MAR13*	14MAR13	14MAR13	176	12,754.08		0.00											
2460-0038	Submit Request t/Proc - Armor Support	1	15MAR13	15MAR13	15MAR13	15MAR13	176	708.56		0.00											
2460-0039	Procurement Lead Time - Armor Support	25	18MAR13	18MAR13	19APR13	19APR13	176	0.00		0.00											
2460-0040	Award - Armor Support	1	22APR13	22APR13	22APR13	22APR13	176	0.00		0.00											
2460-0041	Fabricate / Delivery - Armor Support	60	01OCT13*	01OCT13*	06JAN14	06JAN14	65	60,750.00		0.00											
2460-0043	Prep Requisition & Procuremnt Pckg-Backing Plate	2	03SEP13*	03SEP13*	04SEP13	04SEP13	44	2,479.96		0.00											
2460-0044	Submit Request t/Proc - New Backing Plates	1	05SEP13	05SEP13	05SEP13	05SEP13	44	708.56		0.00											
2460-0045	Procurement Lead Time - New Backing Plates	15	06SEP13	06SEP13	26SEP13	26SEP13	44	0.00		0.00											
2460-0046	Award - New Backing Plates	1	27SEP13	27SEP13	27SEP13	27SEP13	44	0.00		0.00											
2460-0047	Delivery - New Backing Plates	20	30SEP13	30SEP13	25OCT13	25OCT13	44	26,970.00		0.00											
2460-0049	Fabricate Backing Plates	15	28OCT13*	28OCT13*	15NOV13	15NOV13	44	17,500.80		0.00											
2460-0050	Assemble Armor Quad #1	7	18NOV13	18NOV13	26NOV13	26NOV13	44	12,752.60		0.00											
2460-0051	Assemble Armor Quad #2	5	27NOV13	27NOV13	05DEC13	05DEC13	44	9,109.00		0.00											
2460-0052	Assemble Armor Quad #3	5	06DEC13	06DEC13	12DEC13	12DEC13	44	9,109.00		0.00											
2460-0053	Assemble Armor Quad #4	5	13DEC13	13DEC13	19DEC13	19DEC13	44	9,109.00		0.00											
2460-0054	Assembly Procedure Finalized	15	28JUN13*	28JUN13*	22JUL13	22JUL13	129	12,754.08		0.00											
2460-0057	In Vessel Work Remove Armor	20	20JAN14*	20JAN14*	14FEB14	14FEB14	11	24,776.48		0.00											
2460-0058	Armor Support Installation	10	17FEB14	17FEB14	28FEB14	28FEB14	11	25,127.20		0.00											
2460-0059	Armor Quadrant Installations	15	03MAR14*	03MAR14*	21MAR14	21MAR14	11	29,759.28		0.00											
2460-0060	Service Connections	4	24MAR14	24MAR14	27MAR14	27MAR14	11	6,740.66		0.00											
2460-0061	Bay-H Port Cover Install	3	28MAR14*	28MAR14*	01APR14	01APR14	11	5,649.50		0.00											
2460-0062	PTP Testing - NBI Armor	2	02APR14*	02APR14*	03APR14	03APR14	11	2,922.56		0.00											
FY092460	FY09 Actual Cost	22*	23FEB09A	23FEB09A	30SEP09A	30SEP09A		35,786.00	100	35,786.00											
FY102460	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A		144,675.00	100	144,675.00											
FY102460A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		84,622.00	100	84,622.00											
Job: 2470 - 2nd NBI Power-RAKI																					
21-AC Aux.																					
247000245	211-AC Auxiliaries PP's etc	130	01OCT13*	01OCT13*	14APR14	14APR14	63	174,685.04		0.00											
247000250	212 grounding	130	01OCT13*	01OCT13*	14APR14	14APR14	63	109,645.28		0.00											
22-Reactivation																					
247000254	Power Testing of Reactivated Equipment	45	03APR14	03APR14	05JUN14	05JUN14	26	51,300.96		0.00											
247000255	Switchyard- Reactivation	45	01JUL13*	01JUL13*	04SEP13	04SEP13	26	68,716.88		0.00											
247000256	Surge Room- Reactivation	50	05SEP13	05SEP13	13NOV13	13NOV13	26	103,722.63		0.00											
247000257	Mod- reg- Reactivation	30	14NOV13	14NOV13	08JAN14	08JAN14	26	48,791.60		0.00											
247000258	Arc/Filament/magnet- Reactivation	30	09JAN14	09JAN14	19FEB14	19FEB14	26	38,783.28		0.00											

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY							
											FY11	FY12	FY13	FY14	FY15			
247000259	LCC- Reactivation	30	20FEB14	20FEB14	02APR14	02APR14	26	46,091.60		0.00			EE//EM =48 ; EE//SB =08 ; EE//SM =80 ; EE//TB =160 ; 41=4,000 ;					
24-Cabling																		
247000260	Design - Penetrations	15	02JUL12*	02JUL12*	23JUL12	23JUL12	210	6,983.52		0.00			EE//EM =08 ; EE//SB =40 ;					
247000270	Design Removal of Cable	25	08JUN12*	08JUN12*	13JUL12	13JUL12	182	23,984.00		0.00			EE//EM =40 ; EE//SB =120 ;					
247000275	Design - Cables	100	04SEP12*	04SEP12*	01FEB13	01FEB13	47	170,743.41		0.00			EE//EM =280 ; EE//SB =840 ;					
247000280	Prep Procurement Spec - Raceway	15	14JAN13*	14JAN13*	01FEB13	01FEB13	160	24,487.60		0.00			EE//EM =40 ; EE//SB =120 ;					
247000420	Prep Req & Procurement Pckg - Penetrations	1	24JUL12	24JUL12	24JUL12	24JUL12	210	1,516.72		0.00			EE//EM =08 ;					
247000430	Submit Req to Procurement - Penetrations	1	25JUL12	25JUL12	25JUL12	25JUL12	210	758.36		0.00			EE//EM =04 ;					
247000440	Procurement Lead Time - Penetrations	25	26JUL12	26JUL12	29AUG12	29AUG12	210	0.00		0.00								
247000450	Award - Penetrations	1	30AUG12	30AUG12	30AUG12	30AUG12	210	0.00		0.00								
247000460	Procurement/Fab/Assembly - Penetrations	65	31AUG12	31AUG12	04DEC12	04DEC12	210	6,553.85		0.00			41=5,000 ;					
247000470	Prep Req & Procurement Pckg - Cables	1	04FEB13	04FEB13	04FEB13	04FEB13	47	1,548.56		0.00			EE//EM =08 ;					
247000480	Submit Req to Procurement - Cables	1	05FEB13	05FEB13	05FEB13	05FEB13	47	774.28		0.00			EE//EM =04 ;					
247000490	Procurement Lead Time - Cables	30	06FEB13	06FEB13	19MAR13	19MAR13	47	0.00		0.00								
247000500	Award - Cables	1	20MAR13	20MAR13	20MAR13	20MAR13	47	0.00		0.00								
247000510	Procurement - NBI Cables	120	21MAR13	21MAR13	10SEP13	10SEP13	47	557,304.00		0.00			41=422,200 ;					
247000520	Prep Req & Procurement Pckg - Raceway	1	05FEB13	05FEB13	05FEB13	05FEB13	161	1,548.56		0.00			EE//EM =08 ;					
247000530	Submit Req to Procurement - Raceway	1	06FEB13	06FEB13	06FEB13	06FEB13	161	774.28		0.00			EE//EM =04 ;					
247000540	Procurement Lead Time - Raceway	15	07FEB13	07FEB13	27FEB13	27FEB13	161	0.00		0.00								
247000550	Award - Raceway	1	28FEB13	28FEB13	28FEB13	28FEB13	161	0.00		0.00								
247000560	Procurement/Fab/Assembly - Raceway	65	01MAR13	01MAR13	31MAY13	31MAY13	161	39,600.00		0.00			41=30,000 ;					
247000690	Installation Procedure - Penetrations	5	05DEC12	05DEC12	11DEC12	11DEC12	210	1,548.56		0.00			EE//EM =08 ;					
247000700	Installation - Penetrations	8	12DEC12	12DEC12	21DEC12	21DEC12	210	32,929.04		0.00			EE//SM =32 ; EE//TB =64 ; EE//EM =08 ; 41=15,000 ;					
247000710	Removal - Cable	8	02JAN13	02JAN13	11JAN13	11JAN13	215	19,783.76		0.00			EE//SM =40 ; EE//TB =120 ; EE//EM =08 ;					
247000720	Installation Procedure - Cable	5	12DEC12	12DEC12	18DEC12	18DEC12	226	1,548.56		0.00			EE//EM =08 ;					
247000730	Installation - Cable	100	23SEP13*	23SEP13*	21FEB14	21FEB14	39	271,733.11		0.00			EE//SM =560 ; EE//TB =840 ; EE//EM =112 ; 41=50,000 ;					
247000740	Installation Procedure - Raceway	5	19DEC12	19DEC12	03JAN13	03JAN13	266	1,548.56		0.00			EE//EM =08 ;					
247000750	Installation - 2nd NBI Raceway	90	07OCT13*	07OCT13*	21FEB14	21FEB14	74	739,832.48		0.00			EE//SM =320 ; EE//TB =320 ; EE//EM =16 ; 41=480,000 ;					
247000780	Commissioning - Removal of Cable	5	14JAN13	14JAN13	18JAN13	18JAN13	310	9,639.28		0.00			EE//EM =16 ; EE//SM =16 ; EE//TB =40 ;					
247000790	Commissioning - Cable	40	24FEB14	24FEB14	18APR14	18APR14	39	141,711.60		0.00			EE//EM =240 ; EE//SM =240 ; EE//TB =520 ;					
247000795	Commissioning - Raceway	5	24FEB14	24FEB14	28FEB14	28FEB14	74	9,965.68		0.00			EE//EM =16 ; EE//SM =16 ; EE//TB =40 ;					
247000729	decontamination of east wall	48	16JUL13	16JUL13	20SEP13	20SEP13	39	97,071.52		0.00			EE//SM =336 ; EE//TB =336 ; EE//EM =16 ; 41=3000 ;					
25-Transmission Line																		
247000285	Design & Install Transmission Line	240	01JUL13*	01JUL13*	19JUN14	19JUN14	56	133,959.36		0.00			EE//EM =56 ; EA//SB =120 ; EE//SM =136 ; EE//TB =232 ; 41=9,000 ; 41=35,000 ;					
28-System Design & Integration																		
247000090	Design dwgs, changes,as-builts (LOE)	1,101*	03MAY10A	03MAY10A	30SEP14	30SEP14	1,487	87,822.51	LOE	16,247.16								EE//EM =240 ; EA
247000100	CDR Complete Power System	20	01OCT09A	01OCT09A	28OCT09A	28OCT09A		0.00	100	0.00								
247000180	PDR Preparation	37	03MAY10A	03MAY10A	23JUN10A	23JUN10A		0.00	100	0.00								
247000190	Conduct PDR	1	24JUN10A	24JUN10A	24JUN10A	24JUN10A		0.00	100	0.00								
247000200	PDR Complete	0			24JUN10A	24JUN10A		0.00	100	0.00								
247000235	Calculations - Final Dsgn	115*	03JAN11*	03JAN11A	13JUN11	13JUN11	6	6,915.60	20	1,383.12			EE//EM =40 ;					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY					
											FY11	FY12	FY13	FY14	FY15	
247000295	FDR Cabling	115*	03JAN11	03JAN11A	13JUN11	13JUN11	6	11,900.80	20	2,380.16	EE//EM =40 ; EE//SB =40 ;					
247000300	Conduct FDR	1	14JUN11	14JUN11	14JUN11	14JUN11	6	0.00		0.00						
247000305	FDR Complete	0			14JUN11	14JUN11	6	0.00		0.00						
2470PEER	Peer Review	0			31MAR11	14APR11	48	0.00		0.00						
System Testing																
247000890	New Procedures, PTP's, ISTOP's	44	18FEB14*	18FEB14*	18APR14	18APR14	39	19,546.80		0.00	EE//EM =40 ; EE//SB =80					
247000900	DC Hipots Engineering	20	21APR14	21APR14	16MAY14	16MAY14	39	8,005.20		0.00	EE//EM =40 ;					
247000910	DC Hipots Commissioning	40	06JUN14	06JUN14	01AUG14	01AUG14	26	11,022.00		0.00	EE//EM =24 ; EE//TB =64					
247000920	Elect Interlock Testing Eng	20	21APR14	21APR14	16MAY14	16MAY14	39	1,601.04		0.00	EE//EM =08 ;					
247000930	Elect Interlock Testg Commissioning	40	19MAY14	19MAY14	15JUL14	15JUL14	39	11,022.00		0.00	EE//EM =24 ; EE//TB =64					
247000940	Kirk Key Testing Eng	20	21APR14	21APR14	16MAY14	16MAY14	39	1,601.04		0.00	EE//EM =08 ;					
247000941	Kirk Key Testg Commissioning	40	19MAY14	19MAY14	15JUL14	15JUL14	39	5,534.16		0.00	EE//EM =16 ; EE//TB =24					
247000945	Instrumentation Testing Engr	20	21APR14	21APR14	16MAY14	16MAY14	39	1,601.04		0.00	EE//EM =08 ;					
247000946	Instrumentation Commissioning	40	19MAY14	19MAY14	15JUL14	15JUL14	39	4,756.80		0.00	EE//EM =16 ; EE//TB =16					
247000950	Control Sys Engr	20	21APR14	21APR14	16MAY14	16MAY14	39	1,601.04		0.00	EE//EM =08 ;					
247000951	Control Sys Commissioning	40	19MAY14	19MAY14	15JUL14	15JUL14	39	7,135.20		0.00	EE//EM =24 ; EE//TB =24					
247000960	Coil Protection Engr	20	21APR14	21APR14	16MAY14	16MAY14	39	1,601.04		0.00	EE//EM =08 ;					
247000971	Coil Protection Commissioning	40	19MAY14	19MAY14	15JUL14	15JUL14	39	7,135.20		0.00	EE//EM =24 ; EE//TB =24					
FY092470	FY09 Actual Cost	22*	23FEB09A	23FEB09A	30SEP09A	30SEP09A		115,170.00	100	115,170.00						
FY102470	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A		78,528.00	100	78,528.00						
FY102470A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		12,565.00	100	12,565.00	81=20122					
Job: 2475 - 2nd NBI Controls-CROPPER																
System Testing																
FY102475A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		1,855.00	100	1,855.00	81=8499					
Control System Layout																
2475-0002	Control System Lay Out-NBI-Controls & Instrument	30	03MAY10A	03MAY10A	14JUN10A	14JUN10A		0.00	100	0.00						
2475-0003	Update Cost & Sched Estimate-NBI-Control & Instrm	5	08JUN10A	08JUN10A	14JUN10A	14JUN10A		0.00	100	0.00						
2475-0004	FMEA Analysis-NBI-Controls & Instrumentation	5	08JUN10A	08JUN10A	14JUN10A	14JUN10A		0.00	100	0.00						
2475-0005	Design Drawings-NBI-Controls & Instrumentation	30	03MAY10A	03MAY10A	14JUN10A	14JUN10A		0.00	100	0.00						
2475-0006	PDR Prep PPL-NBI-Controls & Instrumentation	6	15JUN10A	15JUN10A	22JUN10A	22JUN10A		0.00	100	0.00						
2475-0009	CONDUCT PDR-NBI-Controls & Instrumentation	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A		0.00	100	0.00						
2475-0012	Disposition PDR Chits-NBI-Controls & Instrum	10	23JUN10A	23JUN10A	28JUN10A	28JUN10A		0.00	100	0.00						
2475-0018	Protective Plate Interlocks-NBI-Controls & Instr	105*	03JAN11*	03JAN11A	31MAR11	27MAY11	1	24,851.20	75	18,638.40	EE//SM =160 ;					
2475-0102	PLC - Control System Layout	209*	28JUL10A	28JUL10A	28FEB11	27MAY11	1	18,179.67	95	17,270.69	EE//SM =120 ;					
2475-0103	Remote LCC - Control System Layout	122*	01MAR11*	01DEC10A	14MAR11	27MAY11	1	6,212.80	95	5,902.16	EE//SM =40 ;					
2475-0104	TC scanners, Beamline & P.P - Control Sys Layout	105*	15MAR11	03JAN11A	04APR11	27MAY11	1	12,425.60	75	9,319.20	EE//SM =80 ;					
2475-0105	NBOS Station - Control System Layout	10	05APR11	16MAY11	18APR11	27MAY11	1	6,212.80		0.00	EE//SM =40 ;					
2475-0106	DWGS CWD's & Cable Diagram - Control Sys Layout	163*	01DEC10*	01OCT10A	20MAY11	27MAY11	1	139,376.00	50	49,702.40	EE//SM =640 ; EA//SB=320					
Final Design																
2475-0110	Design Drawings-NBI-Controls & Instrumentation	272*	29JUN10A	29JUN10A	20MAY11	29JUL11	234	24,283.13	20	4,856.63	EE//SM =160 ;					
2475-0110A	Update Cost & SchedEstimate-NBI-Controls & Instr	5	23MAY11	31MAY11	27MAY11	06JUN11	1	6,212.80		0.00	EE//SM =40 ;					
2475-0110B	FDR Prep PPL-NBI-Controls & Instrumentation	10	31MAY11	07JUN11	13JUN11	20JUN11	1	7,455.36		0.00	EE//SM =48 ;					
2475-0111	CONDUCT FDR-NBI-Controls & Instrumentation	1	14JUN11*	21JUN11*	14JUN11	21JUN11	1	1,242.56		0.00	EE//SM =08 ;					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY					
											FY11	FY12	FY13	FY14	FY15	
2475PEER	Peer Review	0			31MAR11	14APR11	48	0.00		0.00						
Procurement																
2475-0116	Prep Requisition and procurement package	5	02JUL12*	02JUL12*	09JUL12	09JUL12	4	6,813.20		0.00						
2475-0117	SUBMIT REQ TO PROCUREMENT	1	10JUL12	10JUL12	10JUL12	10JUL12	4	1,362.64		0.00						
2475-0118	Procurement lead time (1)	15	11JUL12	11JUL12	31JUL12	31JUL12	4	0.00		0.00						
2475-0119	AWARD-NBI-Controls & Instrumentation	1	01AUG12	01AUG12	01AUG12	01AUG12	4	0.00		0.00						
2475-0120	Fabricate or delivery--NBI-Controls & Instrument	40	02AUG12	02AUG12	27SEP12	27SEP12	4	555,990.00		0.00						
Fab/Assembly																
2475-0123	Fab/Assy Procedure	5	21SEP12	21SEP12	27SEP12	27SEP12	4	6,813.20		0.00						
2475-0125	Cable Tray - Fab/Assembly	40	28SEP12*	28SEP12*	26NOV12	26NOV12	4	71,054.56		0.00						
2475-0126	Gradient Grid divider - Fab/Assembly	20	27NOV12	27NOV12	02JAN13	02JAN13	4	64,327.44		0.00						
2475-0127	Control Rack Cage - Fab/Assembly	5	03JAN13	03JAN13	09JAN13	09JAN13	4	10,277.68		0.00						
2475-0128	Rack relocation - Fab/Assembly	25	10JAN13*	10JAN13*	13FEB13	13FEB13	4	73,946.00		0.00						
2475-0129	Penetrations - Fab/Assembly	5	14FEB13*	14FEB13*	20FEB13	20FEB13	4	63,077.68		0.00						
2475-0130	Disconnect remote control	20	21FEB13	21FEB13	20MAR13	20MAR13	4	22,068.64		0.00						
Installation																
2475-0133	Installation Procedures	10	07MAR13	07MAR13	20MAR13	20MAR13	4	12,550.80		0.00						
2475-0134	Beam Line Cabling - Installation	80	21MAR13	21MAR13	15JUL13	15JUL13	4	283,335.68		0.00						
2475-0135	Aux Cabling - Installation	20	16JUL13	16JUL13	12AUG13	12AUG13	4	89,104.80		0.00						
2475-0136	Protective Plate Interlocks(I/P Pyrometer/IR Cam	20	13AUG13	13AUG13	10SEP13	10SEP13	4	37,033.20		0.00						
2475-0137	TC Scanners - beamline & Protective Plates-Instl	40	11SEP13	11SEP13	05NOV13	05NOV13	4	45,532.34		0.00						
2475-0138	NBOS Station - Installation	10	06NOV13	06NOV13	19NOV13	19NOV13	4	29,931.20		0.00						
2475-0139	LCC Remote - Installation	40	20NOV13	20NOV13	28JAN14	28JAN14	4	161,713.60		0.00						
2475-0140	Power Supply Upgrade - Installation	23	29JAN14	29JAN14	28FEB14	28FEB14	4	63,156.96		0.00						
2475-0141	Protective Plate TC's - Installation	10	03MAR14	03MAR14	14MAR14	14MAR14	4	12,088.80		0.00						
Programing																
2475-0144	PLC & RSView Programing-NBI-Controls & Instrumen	40	03OCT13*	03OCT13*	27NOV13	27NOV13	91	57,536.00		0.00						
2475-0145	Beamline TC Scanner Program-NBI-Controls & Instr	20	06NOV13*	06NOV13*	05DEC13	05DEC13	47	27,398.40		0.00						
2475-0146	Protective Plate TC Scanner Program-NBI-Controls	20	17MAR14	17MAR14	11APR14	11APR14	4	27,398.40		0.00						
2475-0147	LCC Remote LabView Programing-NBI-Controls/Instr	40	29JAN14	29JAN14	25MAR14	25MAR14	17	50,481.60		0.00						
Testing																
2475-0149	PTP Testing	20	14APR14	14APR14	09MAY14	09MAY14	4	67,398.40		0.00						
Commissioning in Ops																
2475-0154	Commissioning & Testing of 4A Power System	20	12MAY14	12MAY14	09JUN14	09JUN14	4	0.00		0.00						
2475-0155	Commissioning & Testing of 4B Power System	20	10JUN14	10JUN14	08JUL14	08JUL14	4	0.00		0.00						
2475-0156	Commissioning & Testing of 4C Power System	20	09JUL14	09JUL14	05AUG14	05AUG14	4	0.00		0.00						
2475-0157	40 kv Beam Operation	20	06AUG14	06AUG14	03SEP14	03SEP14	4	0.00		0.00						
Job: 2480 - 2nd NBI/TVPS Duct & VV-DENAULT																
Design																
2480-0024	New Coil Comonents F/J-K RWM Coil Re Dsgn	22	03MAY10A	03MAY10A	02JUN10A	02JUN10A		0.00	100	0.00						
2480-0025	Seismic Analysis	5	03MAY10A	03MAY10A	07MAY10A	07MAY10A		0.00	100	0.00						
2480-0027	PDR Prep - Duct & VV Mods	36	03MAY10A	03MAY10A	22JUN10A	22JUN10A		0.00	100	0.00						
2480-0028	CONDUCT PDR - Duct & VV Mods	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A		0.00	100	0.00						

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY						
											FY11	FY12	FY13	FY14	FY15		
2480-0029	Disposition PDR Chits - Final Design	84*	03JUN10A	03JUN10A	30SEP10A	30SEP10A		0.00	100	0.00	EM/EM =158 ; EA/ES =26 ;						
2480-0029A	Installation Prototype	103*	01NOV10*	18OCT10A	28FEB11	21MAR11	53	21,304.56	40	8,521.82	EM/EM =36 ; em/tb=100; 41=5,000						
2480-0030	J-K Cap/Installation Procedure	147*	16AUG10A	16AUG10A	28FEB11	21MAR11	53	26,539.92	30	7,961.98	EM/EM =48 ; EA/ES =48 ; 35=12,000 ;						
2480-0031	1000100100100 K- Port Extension	41*	16AUG10A	16AUG10A	30SEP10A	30SEP10A		0.00	100	0.00	EM/EM =14 ; EA/ES =14 ;						
2480-0032	NB- Ceramic-Break	47*	16AUG10A	16AUG10A	30SEP10A	30SEP10A		0.00	100	0.00	EM/EM =12 ; EA/ES =12 ;						
2480-0033	Spool Piece/Round Bellows	52*	16AUG10A	16AUG10A	30SEP10A	30SEP10A		0.00	100	0.00	EM/EM =02 ; EA/ES =10 ;						
2480-0034	Rectangular Bellows Assembly	155*	16AUG10A	16AUG10A	31MAR11	31MAR11	53	2,264.44	95	2,151.21	EM/EM =04 ; EA/ES =20 ;						
2480-0035	Design Drawings - Final Design	172*	16AUG10A	16AUG10A	15APR11	31DEC10A		41,081.36	100	41,081.36	EM/EM =72 ; EA/ES =360 ;						
2480-0037	Update Analysis - Final Design	89*	18APR11	01NOV10A	13MAY11	15MAR11	60	9,922.14	90	8,929.93	EM/EM =40 ; EM/EM =14 ;						
2480-0038	Update Cost & Sched Estimate - Final Dsgn	7	05MAY11	01NOV10A	13MAY11	22APR11	20	3,164.20	25	791.05	EM/EM =20 ;						
2480-0039	FDR Prep-Duct & VV Mods	21*	16MAY11	25APR11*	13JUN11	23MAY11	20	8,859.76		0.00	EM/EM=56						
2480-0040	CONDUCT FDR-Duct & VV Mods	1	14JUN11	07JUN11	14JUN11*	07JUN11*	11	1,265.68		0.00	EM/EM =08 ;						
2480-0041	Disposition FDR Chits	33	15JUN11*	08JUN11*	01AUG11	25JUL11	341	24,523.00		0.00	EM/EM =100 ; EA/ES =100 ;						
2480PEER	Peer review	0			31MAR11	14APR11	48	0.00		0.00							
Procure, Fab & Assembly																	
2480-0042	Prep Req & Procurement Pckg	30	03DEC12*	03DEC12*	22JAN13	22JAN13	1	8,502.72		0.00	EM/EM =48 ;						
2480-0044	Submit Req to Procurement - 40" VAT Valves (2)	1	01FEB13*	01FEB13*	01FEB13	01FEB13	36	1,417.12		0.00	EM/EM =08 ;						
2480-0045	Procurement Lead Times - 40" VAT Valves (2)	25	04FEB13	04FEB13	08MAR13	08MAR13	36	0.00		0.00							
2480-0046	Award - - 40" VAT Valves (2)	3	11MAR13	11MAR13	13MAR13	13MAR13	36	0.00		0.00							
2480-0047	Fabricate / Delivery - 40" VAT Valves (2)	180	14MAR13	14MAR13	26NOV13	26NOV13	36	331,708.33		0.00	41=250,000 ;						
2480-0049	Submit Req to Procurement - 40" Bellows Section	1	23JAN13*	23JAN13*	23JAN13	23JAN13	1	1,417.12		0.00	EM/EM =08 ;						
2480-0050	Procurement Lead Time - 40" Bellows Section	25	24JAN13	24JAN13	27FEB13	27FEB13	1	0.00		0.00							
2480-0051	Award - 40" Bellows Section	3	28FEB13	28FEB13	04MAR13	04MAR13	1	0.00		0.00							
2480-0052	Fabricate / Delivery - 40" Bellows Section	130	05MAR13	05MAR13	06SEP13	06SEP13	1	272,640.00		0.00	41=200,000 ; 48=8,000 ;						
2480-0054	Submit Req to Proc-Rectangular Bellows Section	1	03JAN12*	03JAN12*	03JAN12	03JAN12	89	1,387.92		0.00	EM/EM =08 ;						
2480-0055	Procurement Lead Time-Rectangular Bellows Sectn	25	04JAN12	04JAN12	07FEB12	07FEB12	89	0.00		0.00							
2480-0056	Award-Rectangular Bellows Section	1	11JUN12*	11JUN12*	11JUN12	11JUN12	2	0.00		0.00							
2480-0057	Fabricate / Delivery-Rectangular Bellows Section	400	12JUN12	12JUN12	27JAN14	27JAN14	2	507,828.38		0.00	41=400,000 ; 48=15,000 ;						
2480-0059	Prep Req & Procurement Pckg - Vessel Cap & Port E	8	01AUG12*	02APR12*	10AUG12	11APR12	195	11,103.36		0.00	EM/EM =64 ;						
2480-0060	Submit Req to Procurement - Vessel Cap & Port Ex	1	13AUG12	12APR12	13AUG12	12APR12	195	693.96		0.00	EM/EM =04 ;						
2480-0061	Procurement Lead Times - Vessel Cap & Port Exten	25	14AUG12	13APR12	18SEP12	17MAY12	195	0.00		0.00							
2480-0062	Award - Vessel Cap & Port Extension	1	01OCT12*	01OCT12*	01OCT12	01OCT12	102	0.00		0.00							
2480-0063	Fabricate / Delivery - Vessel Cap & Port Extensn	180	02OCT12*	02OCT12*	24JUN13	24JUN13	102	142,640.00		0.00	41=100,000 ; 35=8,000 ;						
2480-0064	Prep Req & Procurement Pckg - Spool Piece	5	01JUN12*	01JUN12*	07JUN12	07JUN12	257	5,204.70		0.00	EM/EM =30 ;						
2480-0065	Submit Req to Procurement - Spool Piece	1	08JUN12	08JUN12	08JUN12	08JUN12	257	693.96		0.00	EM/EM =04 ;						
2480-0066	Procurement Lead Times - Spool Piece	25	11JUN12	11JUN12	16JUL12	16JUL12	257	0.00		0.00							
2480-0067	Award - Spool Piece	1	03OCT12*	03OCT12*	03OCT12	03OCT12	202	0.00		0.00							
2480-0068	Fabricate / Delivery - Spool Piece	120	04OCT12*	04OCT12*	02APR13	02APR13	202	79,200.00		0.00	41=60,000 ;						
2480-0070	Fabricate / Delivery - RWM Coil Mtrl (cooper)	100	23JAN13*	23JAN13*	12JUN13	12JUN13	142	17,257.12		0.00	41=12,000 ; EM/EM =08 ;						
2480-0072	Prep Req & Procurement Pckg-Raw Material f/Duct	3	01OCT12*	01OCT12*	03OCT12	03OCT12	183	3,188.52		0.00	EM/EM =08 ;						
2480-0073	Submit Req to Procurement -Other Material f/Duct	1	04OCT12	04OCT12	04OCT12	04OCT12	183	708.56		0.00	EM/EM =04 ;						
2480-0074	Procurement Lead Time - Other Material for Duct	25	05OCT12	05OCT12	08NOV12	08NOV12	183	0.00		0.00							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY					
											FY11	FY12	FY13	FY14	FY15	
2480-0075	Award - Other Material for Duct	1	09NOV12	09NOV12	09NOV12	09NOV12	183	0.00		0.00						
2480-0076	Fabricate / Delivery-Other Mtrl f/Duct	100	12NOV12*	12NOV12*	11APR13	11APR13	183	132,000.00		0.00			41=100,000 ;			
Installation																
2480-0077	Installation Procedure - Duct & VV Mods	60	01APR13*	01APR13*	24JUN13	24JUN13	32	28,174.08		0.00			EM//EM =144 ; EM//ST =24 ;			
2480-0078	Installation Material - Duct & VV Mods	20	25JUN13*	25JUN13*	24JUL13	24JUL13	32	26,400.00		0.00			41=10,000 ;			
2480-0078A	Duct Cladding Installation	10	12APR13	12APR13	25APR13	25APR13	191	8,081.92		0.00			41=10,000 ;			
2480-0081	Install Vessel Supports/Prep Machine	12	09SEP13	09SEP13	24SEP13	24SEP13	1	15,205.26		0.00			EM//EM =9 ; EM//ST =75 ; M&S=4,000			
2480-0082	Remove Bay-K Nozzle	8	25SEP13	25SEP13	04OCT13	04OCT13	1	10,945.20		0.00			EM//EM =20 ; EM//ST =65 ;			
2480-0083	Cut J-K opening	30	07OCT13	07OCT13	15NOV13	15NOV13	1	97,336.00		0.00			EM//EM =380 ; EM//ST =720 ;			
2480-0084	Fit Up/Install Cap	25	18NOV13	18NOV13	03JAN14	03JAN14	1	49,598.80		0.00		EM//EM =20 ; EM//ST =400				
2480-0085	Install Duct Supports	3	06JAN14	06JAN14	08JAN14	08JAN14	1	3,696.64		0.00			EM//EM =02 ; EM//ST =29 ;			
2480-0086	Install K Extension	2	09JAN14	09JAN14	10JAN14	10JAN14	1	2,203.72		0.00			EM//EM =02 ; EM//ST =16 ;			
2480-0086A	RWM Coil Installation	10	13JAN14	13JAN14	24JAN14	24JAN14	3	12,203.92		0.00		EM//EM =08 ; EM//ST =70				
2480-0088	Make up NB2 Transition Duct	7	13JAN14*	13JAN14*	21JAN14	21JAN14	1	10,056.36		0.00		EM//EM =06 ; EM//ST =80				
2480-0089	Leak Check Duct	5	22JAN14	22JAN14	28JAN14	28JAN14	1	4,593.60		0.00			EM//ST =40 ;			
2480-0090	Install Transition Duct	5	29JAN14	29JAN14	04FEB14	04FEB14	1	9,187.20		0.00			EM//ST =80 ;			
2480-0091	Install, Connect Bake Out Lines	1	05FEB14	05FEB14	05FEB14	05FEB14	1	1,101.86		0.00		EM//EM =01 ; EM//ST =08				
2480-0092	PTP Testing - Duct & VV Mods	5	06FEB14	06FEB14	12FEB14	12FEB14	1	3,643.60		0.00			EM//SM =20 ;			
FY092480	FY09 Actual Cost	22*	23FEB09A	23FEB09A	30SEP09A	30SEP09A		183,352.00	100	183,352.00						
FY102480	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A		101,704.00	100	101,704.00						
FY102480A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		35,090.00	100	35,090.00	81=69465					
Job: 2485 - Vacuum Pumping System-BLANCHARD																
Design																
2485-0013	PDR Prep	10	09JUN10A	09JUN10A	22JUN10A	22JUN10A		0.00	100	0.00						
2485-0014	CONDUCT PDR	2	23JUN10A	23JUN10A	24JUN10A	24JUN10A		0.00	100	0.00						
2485-0015	Disposition PDR Chits	15	25JUN10A	25JUN10A	16JUL10A	16JUL10A		0.00	100	0.00						
2485-0016	Vacuum Diagnostic Layout	11	01MAR11*	14MAR11*	28MAR11	28MAR11	59	4,050.32		0.00			EM//EM =08 ; EA/ES =32 ;			
2485-0016A	Magnetic Shielding Conceptual Design	143	01SEP10A	01SEP10A	12NOV10A	12NOV10A		5,887.05	100	5,887.05			EM//EM =4 ; EA/ES =8 ; EA//EM=25			
2485-0016B	Magnetic Shielding Final Design	50*	03JAN11A	03JAN11A	16FEB11	11MAR11	7	9,036.20	50	4,518.10			EM//EM =4 ; EA/ES =8 ; EA//EM=40			
2485-0017	Design Drawings	161*	19JUL10A	19JUL10A	19MAY11	11MAR11	7	11,908.32	70	8,335.82			EM//EM =24 ; EA/ES =96 ;			
2485-0018	Update Cost & Schedule Estimate	133*	20MAY11	01NOV10A	26MAY11	16MAY11	7	6,328.40	25	1,582.10			EM//EM =12 ;			
2485-0019	FDR Prep	11	27MAY11	15APR11	10JUN11	29APR11	25	0.00		0.00						
2485-0020	CONDUCT FDR	2	13JUN11*	10JUN11*	14JUN11	13JUN11	7	0.00		0.00						
2485-0021	FDR Chit Resolution (All Areas)	20	15JUN11*	16JUN11*	13JUL11	14JUL11	560	19,618.40		0.00			EM//EM =80 ; EA/ES =80 ;			
2485PEER	Peer Review	0			31MAR11	14APR11*	25	0.00		0.00						
Procure, Fab & Assembly																
2485-0022	Prep Req & proc pkg - 3200i/s TMPx2	4	01OCT13*	01OCT13*	04OCT13	04OCT13	8	3,662.80		0.00				EM//EM =20 ;		
2485-0023	SUBMIT REQ TO PROC - 3200i/s TMPx2	1	07OCT13	07OCT13	07OCT13	07OCT13	69	183.14		0.00				EM//EM =01 ;		
2485-0024	Procurement lead time (1) - 3200i/s TMPx2	15	08OCT13	08OCT13	28OCT13	28OCT13	69	0.00		0.00						
2485-0025	AWARD - 3200i/s TMPx2	1	29OCT13	29OCT13	29OCT13	29OCT13	69	0.00		0.00						
2485-0026	Fabricate or delivery - 3200i/s TMPx2	90	30OCT13	30OCT13	18MAR14	18MAR14	69	87,750.00		0.00			41=65,000 ;			
2485-0028	Prep Req & proc pkg - New VAT Valves	2	07OCT13	07OCT13	08OCT13	08OCT13	8	366.28		0.00				EM//EM =02 ;		

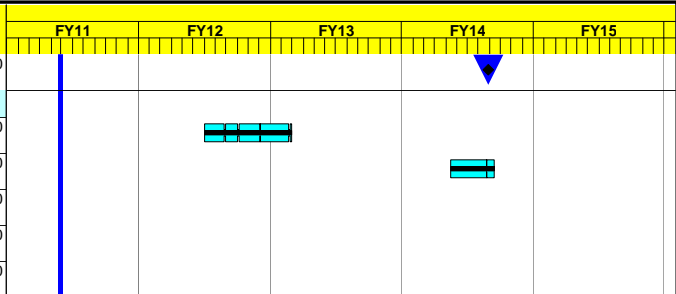
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	Fiscal Year				
											FY11	FY12	FY13	FY14	FY15
24910900	Prep procedure equipment removal Bay J - S-Flip	1	23NOV11	23NOV11	23NOV11	23NOV11	204	1,387.92		0.00					
24910950	Prep procedure equipment removal Bay J - SSNPA	1	28NOV11	28NOV11	28NOV11	28NOV11	204	1,387.92		0.00					
24911000	Prp procd equipt removal Bay J-Re-entrant Window	1	29NOV11	29NOV11	29NOV11	29NOV11	204	1,387.92		0.00					
24911050	Prp procd equipt removal Bay K-High K Scattering	5	30NOV11	30NOV11	06DEC11	06DEC11	204	6,939.60		0.00					
24911070	Prep procdure equipment removal Bay K - FireTips	5	07DEC11	07DEC11	13DEC11	13DEC11	204	6,939.60		0.00					
24911090	Prep procdure equipment removal Bay K - PSI Camera	3	14DEC11	14DEC11	16DEC11	16DEC11	204	4,163.76		0.00					
24911110	Prp procedure equipment removal Bay K - NPA	5	19DEC11	19DEC11	23DEC11	23DEC11	204	6,939.60		0.00					
24911130	Prp procd equipt remov Bay K-Ultra Fast Xray Cam	1	03JAN12	03JAN12	03JAN12	03JAN12	204	1,387.92		0.00					
24911150	Prp procd equipt removal Bay K-IR Window f/Camra	1	04JAN12	04JAN12	04JAN12	04JAN12	204	1,387.92		0.00					
24911200	Prp procd equip removal Bay K-Trans Grating Spec	1	05JAN12	05JAN12	05JAN12	05JAN12	204	1,387.92		0.00					
24911250	Prep procd EQ remval Bay L pmp duct-VV Ion Gages	2	06JAN12	06JAN12	09JAN12	09JAN12	204	2,775.84		0.00					
24911300	Prp procd EQ rem BayL pmp duct-X-ray Crystal Spe	1	10JAN12	10JAN12	10JAN12	10JAN12	204	1,387.92		0.00					
24911320	Prep procedu equip removal Bay L pump duct-SPRED	1	11JAN12	11JAN12	11JAN12	11JAN12	204	1,387.92		0.00					
24911390	Prep procedure equip removal Bay L pump duct-RGA	2	12JAN12	12JAN12	13JAN12	13JAN12	204	2,775.84		0.00					
24911460	Prep procdure equip removal Bay L pump duct-LOWEUS	1	16JAN12	16JAN12	16JAN12	16JAN12	204	1,387.92		0.00					
24911630	Prp procd EQ remov Bay L pmp duct-MPTS Beam Dump	1	17JAN12	17JAN12	17JAN12	17JAN12	204	1,387.92		0.00					
24911642	Prp procd EQ remov Bay L pmp duct-Pump Duct	4	18JAN12	18JAN12	23JAN12	23JAN12	204	1,387.92		0.00					
24911750	Prep procdur Power/Ground/Light @ Platform W NTC	5	24JAN12	24JAN12	30JAN12	30JAN12	204	6,859.84		0.00					
24911820	Prp procd EQ Remov Misc. - Gas Delivery System	1	31JAN12	31JAN12	31JAN12	31JAN12	204	1,387.92		0.00					
24911840	Prp procd EQ Remov Misc. - NW Sect 109' Platform	2	01FEB12	01FEB12	02FEB12	02FEB12	204	2,775.84		0.00					
24911860	Prp procd EQ Remov Misc. - Convenience Outlets	5	03FEB12	03FEB12	09FEB12	09FEB12	204	6,939.60		0.00					
24911880	Prp procd EQ Remov Misc. - Cat 3 & Cat 4 Bus	5	10FEB12	10FEB12	16FEB12	16FEB12	204	6,939.60		0.00					
24911900	Prp procd EQ Remv Misc-Lights/E-stops/Fire Alarm	6	17FEB12	17FEB12	24FEB12	24FEB12	204	8,327.52		0.00					
24911920	Prp procd EQ Rem Misc-Glow Disch Splice Box/Disc	2	27FEB12	27FEB12	28FEB12	28FEB12	204	2,775.84		0.00					
Removals															
24910019	BEGIN DIAG REMOVALS	0			02APR12*	02APR12*	180	0.00		0.00					
24910020	Remove rack 419 - UCLA Reflectometer	4	03APR12	03APR12	06APR12	06APR12	180	8,472.20		0.00					
24910170	Remove rack 440 - SPRED and VIPS	8	09APR12	09APR12	18APR12	18APR12	180	14,639.60		0.00					
24910220	Remove rack 441-445 - VV ion gages, RGA	15	19APR12	19APR12	09MAY12	09MAY12	180	31,761.16		0.00					
24910270	Remove rack 447-448 - Fiber Optics	5	10MAY12	10MAY12	16MAY12	16MAY12	180	11,593.48		0.00					
24910320	Remove rack 449 - Glow Discharge	10	17MAY12	17MAY12	31MAY12	31MAY12	180	21,677.32		0.00					
24910370	Remove rack 456 --Xray Crystal Spectr	7	01JUN12	01JUN12	11JUN12	11JUN12	180	15,074.76		0.00					
24910390	Remove rack 488 - Depositn monitor/fast xray/NPA	7	12JUN12	12JUN12	20JUN12	20JUN12	180	15,074.76		0.00					
24910440	Remove rack 489 - NPA	10	21JUN12	21JUN12	05JUL12	05JUL12	180	21,677.32		0.00					
24910460	Remove rack - PSI Camera	2	06JUL12	06JUL12	09JUL12	09JUL12	180	4,990.92		0.00					
24910510	Remove rack - Ultra Fast X-ray Camera	2	10JUL12	10JUL12	11JUL12	11JUL12	180	4,990.92		0.00					
24910560	Remove rack - Transmission Grating Spectrometer	3	12JUL12	12JUL12	16JUL12	16JUL12	180	6,731.56		0.00					
24910690	Moving equipment In & Out of NTC	6	17JUL12	17JUL12	24JUL12	24JUL12	180	13,205.12		0.00					
24910710	Remove Bay J - Two gas injectors	1	25JUL12	25JUL12	25JUL12	25JUL12	180	1,869.64		0.00					
24910760	Remove Bay J - Reflectomer	1	26JUL12	26JUL12	26JUL12	26JUL12	180	1,869.64		0.00					
24910810	Remove Bay J - Bolometer	1	27JUL12	27JUL12	27JUL12	27JUL12	180	1,869.64		0.00					
24910860	Remove Bay J - RF Prove	1	30JUL12	30JUL12	30JUL12	30JUL12	180	1,869.64		0.00					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	Fiscal Year						
											FY11	FY12	FY13	FY14	FY15		
24910910	Remove Bay J - S-Flip	1	31JUL12	31JUL12	31JUL12	31JUL12	180	1,869.64		0.00							
24910960	Remove Bay J - SSNPA	1	01AUG12	01AUG12	01AUG12	01AUG12	180	999.32		0.00							
24911010	Remove Bay J - Re-entrant Window	1	02AUG12	02AUG12	02AUG12	02AUG12	180	999.32		0.00							
24911060	Remove Bay K - High K Scattering	10	03AUG12	03AUG12	16AUG12	16AUG12	180	34,941.80		0.00							
24911080	Remove Bay K - FireTips	5	17AUG12	17AUG12	23AUG12	23AUG12	180	17,535.40		0.00							
24911100	Remove Bay K - PSI Camera	4	24AUG12	24AUG12	29AUG12	29AUG12	180	14,054.12		0.00							
24911120	Remove Bay K - NPA	10	30AUG12	30AUG12	13SEP12	13SEP12	180	34,941.80		0.00							
24911140	Remove Bay K - Ultra Fast X-ray Camera	1	14SEP12	14SEP12	14SEP12	14SEP12	180	999.32		0.00							
24911160	Remove Bay K - IR Window for Camera	1	17SEP12	17SEP12	17SEP12	17SEP12	180	999.32		0.00							
24911210	Remove Bay K - Transmission Grating Spectrometer	1	18SEP12	18SEP12	18SEP12	18SEP12	180	999.32		0.00							
24911260	Remove Bay Bay L pump duct-VV Ion Gages/Filament	2	19SEP12*	19SEP12*	20SEP12	20SEP12	180	3,610.28		0.00							
24911310	Remove Bay Bay L pump duct-X-ray Crystal Spectr	1	21SEP12	21SEP12	21SEP12	21SEP12	180	2,739.96		0.00							
24911330	Remove Bay L pump duct-SPRED	1	24SEP12	24SEP12	24SEP12	24SEP12	180	1,869.64		0.00							
24911400	Remove Bay L pump duct-RGA	3	25SEP12	25SEP12	27SEP12	27SEP12	180	5,350.92		0.00							
24911470	Remove Bay L pump duct - LOWEUS	3	28SEP12	28SEP12	02OCT12	02OCT12	180	1,896.07		0.00							
24911640	Remove Bay L pump duct-MPTS Beam Dump Window	1	03OCT12	03OCT12	03OCT12	03OCT12	180	1,020.64		0.00							
24911646	Remove Bay L pump duct-Pump Duct	1	04OCT12	04OCT12	04OCT12	04OCT12	180	17,307.52		0.00							
24911830	Remove Misc. EQ. - Gas Delivery System	4	05OCT12	05OCT12	10OCT12	10OCT12	180	18,363.52		0.00							
24911850	Remove Misc. EQ - NW Sect 109' Platform	6	11OCT12	11OCT12	18OCT12	18OCT12	180	33,485.28		0.00							
24911870	Remove Misc. EQ - Convenience Outlets	10	19OCT12	19OCT12	01NOV12	01NOV12	180	23,330.72		0.00							
24911890	Remove Misc. EQ - Cat 3 & Cat 4 Bus	5	02NOV12	02NOV12	08NOV12	08NOV12	180	14,351.68		0.00							
24911910	Remove Misc. EQ-Lights/E-stops/Fire Alarm	13	09NOV12	09NOV12	29NOV12	29NOV12	180	32,715.20		0.00							
24911930	Remove Misc. EQ-Glow Disch Splice Box/Disc	2	30NOV12	30NOV12	03DEC12	03DEC12	180	6,287.20		0.00							
24919999	REMOVALS COMPLETE	0			03DEC12	03DEC12	180	0.00		0.00							
Design, Procurement & Fabr of Re-installations																	
24910030	Dsgn rack 419 re-installation - UCLA Reflectometer	17	29SEP11*	29SEP11*	21OCT11	21OCT11	73	23,741.77		0.00							
24910040	Prep procd rack 419 re-installn-UCLA Reflectomet	3	24OCT11	24OCT11	26OCT11	26OCT11	73	4,668.16		0.00							
24910080	Dsgn rack 431-435 re-installatn-VV T/C/magnetics	45	27OCT11	27OCT11	09JAN12	09JAN12	73	70,496.64		0.00							
24910090	Prep procd rack 431-435 re-instln-VV T/C/magnetic	5	10JAN12	10JAN12	16JAN12	16JAN12	73	6,859.84		0.00							
24910180	Design rack 440 re-installation - SPRED	13	17JAN12	17JAN12	02FEB12	02FEB12	73	19,587.20		0.00							
24910190	Prep procd rack 440 re-installatn-SPRED	3	03FEB12	03FEB12	07FEB12	07FEB12	73	4,668.16		0.00							
24910230	Dsgn rack 441-445 re-installatn-VV ion gages/RGA	46	08FEB12	08FEB12	11APR12	11APR12	73	65,142.48		0.00							
24910240	Prep procd rack 441-445 re-instln-VV ion gage/RGA	5	12APR12	12APR12	18APR12	18APR12	73	6,859.84		0.00							
24910280	Design rack 447-448 re-installation-Fiber Optics	17	19APR12	19APR12	11MAY12	11MAY12	73	23,970.56		0.00							
24910290	Prep procd rack 447-448 re-installn-Fiber Optics	3	14MAY12	14MAY12	16MAY12	16MAY12	73	4,668.16		0.00							
24910330	Design rack 449 re-installation - Glow Discharge	45	17MAY12	17MAY12	20JUL12	20JUL12	73	67,916.64		0.00							
24910340	Prep procedure rack 449 re-install-Glow Discharge	5	23JUL12	23JUL12	27JUL12	27JUL12	73	6,859.84		0.00							
24910400	Dsgn rack 488 reinstal-Dep monitr/fast xray	20	30JUL12	30JUL12	24AUG12	24AUG12	73	28,638.72		0.00							
24910410	Prp procd rck 488 re-inst-Dep montr/fast xray	5	27AUG12	27AUG12	31AUG12	31AUG12	73	6,859.84		0.00							
24910470	Design rack re-installation - PSI Camera	20	04SEP12	04SEP12	01OCT12	01OCT12	73	28,669.56		0.00							
24910480	Prep procedure rack re-installation - PSI Camera	5	02OCT12	02OCT12	08OCT12	08OCT12	73	7,007.04		0.00							
24910520	Dsgn rack reinstallation-Ultra Fast X-ray Camera	20	09OCT12	09OCT12	05NOV12	05NOV12	73	29,255.52		0.00							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	Fiscal Year				
											FY11	FY12	FY13	FY14	FY15
24910530	Prp procd rack reinstall-Ultra Fast X-ray Camera	5	06NOV12	06NOV12	12NOV12	12NOV12	73	7,007.04		0.00					
24910570	Dsgn rack reinstall- Transmissn Grating Spectrom	13	13NOV12	13NOV12	03DEC12	03DEC12	73	15,958.08		0.00					
24910580	Prp procd rack reinstall-Transm Grating Spectrom	3	04DEC12	04DEC12	06DEC12	06DEC12	73	7,409.28		0.00					
24910600	Design rack re-installation -IR Camera at Bay L	12	07DEC12	07DEC12	02JAN13	02JAN13	73	18,891.84		0.00					
24910610	Prep procd rack re-installatn-IR Camera at Bay L	3	03JAN13	03JAN13	07JAN13	07JAN13	73	4,769.28		0.00					
24910630	Design rack re-installation - IR Camera at Bay K	24	01OCT12*	01OCT12*	01NOV12	01NOV12	33	41,651.04		0.00					
24910640	Prep procedure rack reinstall-IR Camera at Bay K	3	02NOV12	02NOV12	06NOV12	06NOV12	33	4,769.28		0.00					
24910660	Dsgn rack reinstall-Reconf AC & Diagnostic Trays	45	07NOV12	07NOV12	21JAN13	21JAN13	33	79,945.44		0.00					
24910670	Prp procd rack reinstall-Reconf AC & Diagnt Tray	5	22JAN13	22JAN13	28JAN13	28JAN13	33	7,007.04		0.00					
24910730	Prep procd Equip reinstln Bay J-Two gas injectr	10	29JAN13	29JAN13	11FEB13	11FEB13	33	14,171.20		0.00					
24910780	Prep procd Equip reinstln Bay J-Reflectomer	5	12FEB13	12FEB13	18FEB13	18FEB13	33	7,085.60		0.00					
24910830	Prep procd Equip reinstln Bay J-Bolometer	5	19FEB13	19FEB13	25FEB13	25FEB13	33	7,085.60		0.00					
24910880	Prep procd Equip reinstln Bay J-RF Prove	5	26FEB13	26FEB13	04MAR13	04MAR13	33	7,085.60		0.00					
24910930	Prep procd Equip reinstln Bay J-S-Flip	5	05MAR13	05MAR13	11MAR13	11MAR13	33	7,085.60		0.00					
24910980	Prep procd Equip reinstln Bay J-SSNPA	5	12MAR13	12MAR13	18MAR13	18MAR13	33	7,085.60		0.00					
24911030	Prep procd Equip reinst Bay J-Re-entrant Window	5	19MAR13	19MAR13	25MAR13	25MAR13	33	7,085.60		0.00					
24911180	Prep procd Equip reinst NB2 Duct-IR Window f/Cam	5	26MAR13	26MAR13	01APR13	01APR13	33	7,085.60		0.00					
24911230	Prep procd EQ reinst NB2 Duct-Trans Gratng Spect	5	02APR13	02APR13	08APR13	08APR13	33	7,085.60		0.00					
24911280	Prep procd EQ reinstal New pmp duct-VV Ion Gages	5	09APR13	09APR13	15APR13	15APR13	33	7,085.60		0.00					
24911340	Design Equip re-installatn Bay L - SPRED	10	16APR13	16APR13	29APR13	29APR13	33	18,274.40		0.00					
24911350	Prep procedure Equip re-installatn Bay L -SPRED	3	30APR13	30APR13	02MAY13	02MAY13	33	4,773.76		0.00					
24911360	Procure Equipment re-installatn Bay L - SPRED	1	03MAY13	03MAY13	03MAY13	03MAY13	185	4,057.12		0.00					
24911370	Fabrication Equipment re-installatn Bay L-SPRED	5	06MAY13	06MAY13	10MAY13	10MAY13	185	8,886.40		0.00					
24911410	Prelim Design New Pump Duct - RGA	10	03MAY13	03MAY13	16MAY13	16MAY13	33	25,360.00		0.00					
24911420	Final Design New Pump Duct - RGA	10	17MAY13	17MAY13	31MAY13	31MAY13	33	25,360.00		0.00					
24911430	Prep procd Equip reinstalltn New Pump Duct - RGA	5	03JUN13	03JUN13	07JUN13	07JUN13	33	7,011.52		0.00					
24911440	Procure Equipment re-installatn New Pump Duct-RGA	1	10JUN13	10JUN13	10JUN13	10JUN13	165	11,977.12		0.00					
24911480	Design Bay L - LOWEUS	10	10JUN13	10JUN13	21JUN13	21JUN13	33	18,274.40		0.00					
24911490	Prep procedure Equip re-installatn Bay L- LOWEUS	3	24JUN13	24JUN13	26JUN13	26JUN13	33	4,773.76		0.00					
24911500	Procure Equipment re-installatn Bay L- LOWEUS	1	27JUN13	27JUN13	27JUN13	27JUN13	142	1,417.12		0.00					
24911510	Fabrication Equipment re-installatn Bay L-LOWEUS	10	28JUN13	28JUN13	15JUL13	15JUL13	142	8,886.40		0.00					
24911530	Design Bay L - IR Camera	6	27JUN13	27JUN13	08JUL13	08JUL13	33	15,189.12		0.00					
24911540	Prep procd Equip re-installatn Bay L- IR Camera	3	09JUL13	09JUL13	11JUL13	11JUL13	33	4,237.92		0.00					
24911550	Procure Equip re-installatn Bay L- IR Camera	1	12JUL13	12JUL13	12JUL13	12JUL13	143	2,640.00		0.00					
24911580	Design Bay L - Glow Discharge	10	12JUL13	12JUL13	25JUL13	25JUL13	33	18,274.40		0.00					
24911590	Prep procd Equip re-installatn Bay L-Glow Discharge	3	26JUL13	26JUL13	30JUL13	30JUL13	33	4,773.76		0.00					
24911600	Procure EQ re-installatn Bay L-Glow Discharge	1	31JUL13	31JUL13	31JUL13	31JUL13	33	4,057.12		0.00					
24911610	Fabrication EQ re-installatn Bay L-Glow Discharge	10	01AUG13	01AUG13	14AUG13	14AUG13	33	8,886.40		0.00					
24911700	Design 5 sections of Platform EI 118' W Side NTC	10	15AUG13	15AUG13	28AUG13	28AUG13	33	18,646.72		0.00					
24911710	Prep procd 5 sections of Platform EI 118' W Side	3	29AUG13	29AUG13	03SEP13	03SEP13	33	4,251.36		0.00					
24911720	Fab 5 sections of Platform EI 118' W Side NTC	20	04SEP13	04SEP13	01OCT13	01OCT13	87	53,275.36		0.00					
24911740	Fin Dsgn Power/Ground/Light @ Platform WSide NTC	20	04SEP13	04SEP13	01OCT13	01OCT13	33	31,946.16		0.00					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	Fiscal Year					
											FY11	FY12	FY13	FY14	FY15	
24911760	Procurements Power/Ground/Light @ Platform W NTC	1	02OCT13	02OCT13	02OCT13	02OCT13	86	5,400.00		0.00						
24911780	Design 42 Ckt Panel NTC/30 Ckt Panel Gallery	25	02OCT13	02OCT13	05NOV13	05NOV13	33	34,749.76		0.00						
24911790	Prep procd 42 Ckt Panel NTC/30 Ckt Panel Gallery	3	06NOV13	06NOV13	08NOV13	08NOV13	33	4,927.84		0.00						
24911800	Procuremnt 42 Ckt Panel NTC/30 Ckt Panel Gallery	1	11NOV13	11NOV13	11NOV13	11NOV13	58	81,000.00		0.00						
24911940	Prel Dsgn New Pmp Duct-Tank Farm/TMB Sys/Gas Sol	10	11NOV13	11NOV13	22NOV13	22NOV13	33	26,219.20		0.00						
24911950	Fin Dsgn New Pmp Duct-Tank Farm/TMB Sys/Gas Sol	10	25NOV13	25NOV13	10DEC13	10DEC13	33	26,219.20		0.00						
24911960	Prep proc EQ Reinst New Pmp Duct-Tank Farm/TMB S	5	11DEC13	11DEC13	17DEC13	17DEC13	33	14,651.20		0.00						
24911970	Proc EQ Reinst New Pmp Duct-Tank Farm/TMB Sys/Ga	1	18DEC13	18DEC13	18DEC13	18DEC13	33	18,900.00		0.00						
Re-Installation																
24910049	BEGIN RE-INSTALLATION OF DIAGNOSTICS	0			12FEB14	12FEB14	1	0.00		0.00						
24910050	re-install rack 419 - UCLA Reflectometer	6	13FEB14	13FEB14	20FEB14	20FEB14	1	11,294.64		0.00						
24910100	re-install rack 431-435 - VV T/C & magnetics	30	21FEB14	21FEB14	03APR14	03APR14	1	68,132.72		0.00						
24910200	re-install rack 440 - SPRED	8	04APR14	04APR14	15APR14	15APR14	1	15,805.80		0.00						
24910250	re-install rack 441-445 - VV ion gages, RGA	20	19MAR14	19MAR14	15APR14	15APR14	1	42,692.40		0.00						
24910300	re-install rack 447-448 - Fiber Optics	10	28APR14	28APR14	09MAY14	09MAY14	14	14,455.80		0.00						
24910350	re-install rack 449 - Glow Discharge	15	23JAN14	23JAN14	12FEB14	12FEB14	35	31,611.60		0.00						
24910420	re-install rack 488-Dep monitor/fast xray	10	13FEB14	13FEB14	26FEB14	26FEB14	35	21,993.12		0.00						
24910490	re-install rack - PSI Camera	10	27FEB14	27FEB14	12MAR14	12MAR14	35	21,074.40		0.00						
24910540	re-install rack - Ultra Fast X-ray Camera	10	13MAR14	13MAR14	26MAR14	26MAR14	35	21,074.40		0.00						
24910590	re-install rack-Transmission Grating Spectrometr	7	27MAR14	27MAR14	04APR14	04APR14	35	14,752.08		0.00						
24910620	re-install rack - IR Camera at Bay L	4	07APR14	07APR14	10APR14	10APR14	35	8,699.76		0.00						
24910650	re-install rack - IR Camera at Bay K	15	12MAY14	12MAY14	02JUN14	02JUN14	14	31,611.60		0.00						
24910680	re-install rack-Reconfigure AC & Diagnostic tray	30	13FEB14	13FEB14	26MAR14	26MAR14	20	82,417.52		0.00						
24910740	re-install Equipment Bay J - Two gas injectors	10	27MAR14	27MAR14	09APR14	09APR14	20	21,074.40		0.00						
24910790	re-install Equipment Bay J - Reflectomer	20	10APR14	10APR14	07MAY14	07MAY14	20	49,436.00		0.00						
24910840	re-install Equipment Bay J - Bolometer	20	10APR14	10APR14	07MAY14	07MAY14	20	49,436.00		0.00						
24910890	re-install Equipment Bay J - RF Prove	20	10APR14	10APR14	07MAY14	07MAY14	20	49,436.00		0.00						
24910940	re-install Equipment Bay J - S-Flip	15	17APR14	17APR14	07MAY14	07MAY14	20	49,436.00		0.00						
24910990	re-install Equipment Bay J - SSSPA	20	13FEB14	13FEB14	12MAR14	12MAR14	36	49,436.00		0.00						
24911040	re-install Equipment Bay J - Re-entrant Window	1	13MAR14	13MAR14	13MAR14	13MAR14	36	1,053.72		0.00						
24911190	re-install Equipment NB2 Duct-IR Window f/Camera	3	14MAR14	14MAR14	18MAR14	18MAR14	36	3,161.16		0.00						
24911240	reinstall Equip NB2 Duct-Transm Grating Spectro	20	19MAR14	19MAR14	15APR14	15APR14	36	49,436.00		0.00						
24911290	reinstall EQ New pump duct-VV Ion Gages/Filament	20	08MAY14	08MAY14	05JUN14	05JUN14	20	49,436.00		0.00						
24911380	re-install Bay L - SPRED	20	13FEB14	13FEB14	12MAR14	12MAR14	25	42,148.80		0.00						
24911450	Re-install New Pump Duct - RGA	20	13MAR14	13MAR14	09APR14	09APR14	25	42,148.80		0.00						
24911520	re-install Bay L - LOWEUS	20	13MAR14	13MAR14	09APR14	09APR14	25	42,148.80		0.00						
24911570	re-install Bay L - IR Camera	15	20MAR14	20MAR14	09APR14	09APR14	25	16,480.80		0.00						
24911620	re-install Bay L - Glow Discharge	20	10APR14	10APR14	07MAY14	07MAY14	25	42,148.80		0.00						
24911730	instl 5 sections of Platform EI 118' W Side NTC	5	08MAY14	08MAY14	14MAY14	14MAY14	25	21,912.80		0.00						
24911770	Install Power/Ground/Light @ Platform W Side NTC	10	15MAY14	15MAY14	29MAY14	29MAY14	25	21,074.40		0.00						
24911810	Install 42 Ckt Panel NTC/30 Ckt Panel Gallery	20	01MAY14	01MAY14	29MAY14	29MAY14	25	49,436.00		0.00						
24911980	Reinstall New Pmp Duct-Tank Farm/TMB Sys/Gas So	50	20MAR14	20MAR14	29MAY14	29MAY14	25	110,818.72		0.00						

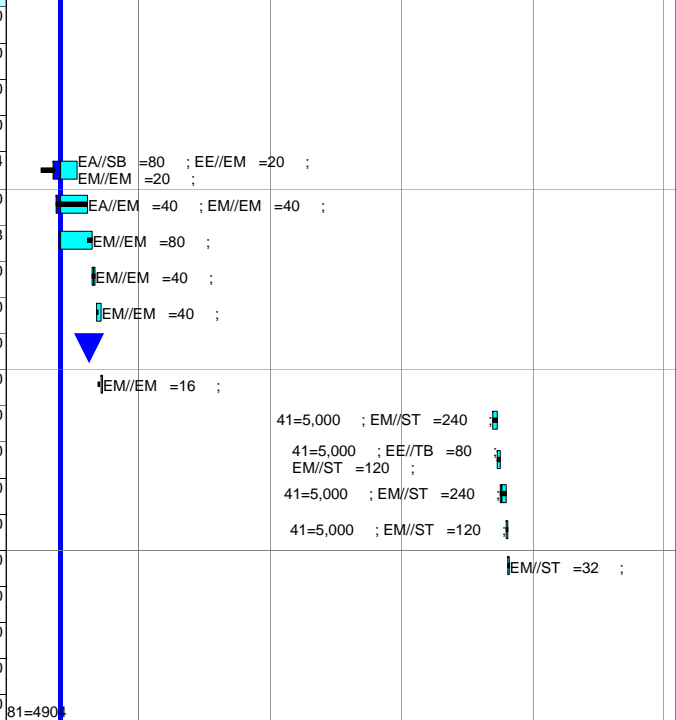
Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)
24911999	DIAGNOSTICS RE-INSTALLED	0			29MAY14	29MAY14	25	0.00		0.00
24910001	Test Cell Oversight during diag removals	169	03APR12	03APR12	30NOV12	30NOV12	181	158,321.15		0.00
24910002	Test Cell Oversight during diag re-installation	87	13FEB14	13FEB14	16JUN14	16JUN14	74	266,711.52		0.00
FY092490	FY09 Actual Cost	22*	23FEB09A	23FEB09A	30SEP09A	30SEP09A		143,025.00	100	143,025.00
FY102490	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A		115,145.00	100	115,145.00
FY102490A	FY10 Actual Cost	45	01JUN10A	01JUN10A	30JUL10A	30JUL10A		20,036.00	100	20,036.00



1.3 Auxiliary System

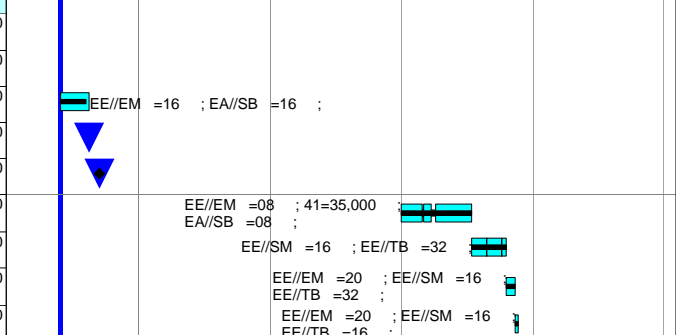
Job: 3200 - Water Cooling System Mods-DENAULT

3200-0015	Prelim Dsn-Design Drawings	30	03MAY10A	03MAY10A	14JUN10A	14JUN10A		0.00	100	0.00
3200-0016	Prelim Dsn-PDR Prep	5	15JUN10A	15JUN10A	21JUN10A	21JUN10A		0.00	100	0.00
3200-0017	Prelim Dsn-CONDUCT PDR	2	22JUN10A	22JUN10A	23JUN10A	23JUN10A		0.00	100	0.00
3200-0021	Final Design-Disposition PDR Chits	2	24JUN10A	24JUN10A	25JUN10A	25JUN10A		0.00	100	0.00
3200-0022	Final Design-Design Drawings	49*	03JAN11*	07FEB11A	11FEB11	14APR11	1	16,614.80	5	830.74
3200-0023	Final Design-Update Analyses	64*	14FEB11	14FEB11A	12MAY11	12MAY11	1	14,035.60	25	3,508.90
3200-0024	Final Design-Update Cost & Schedule Estimate	69*	13MAY11	21FEB11A	26MAY11	26MAY11	1	12,656.80	10	1,265.68
3200-0025	Final Design-Prep Procurement Specs	5	27MAY11	27MAY11	03JUN11	03JUN11	1	6,328.40		0.00
3200-0026	Final Design-FDR Prep	10*	06JUN11	06JUN11	10JUN11	17JUN11	1	6,328.40		0.00
3200-0026A	Water Cooling System - Peer review	0				18MAY11*	2,326	0.00		0.00
3200-0027	Final Design-CONDUCT FDR	2	13JUN11	20JUN11	14JUN11	21JUN11	1	2,531.36		0.00
3200-0055	Bus Work Cooling	10	11JUN14	11JUN14	24JUN14	24JUN14	31	34,311.60		0.00
3200-0057	Flow Sensors	5	25JUN14	25JUN14	01JUL14	01JUL14	31	28,304.40		0.00
3200-0059	Modify Manifold	10	02JUL14	02JUL14	16JUL14	16JUL14	31	34,311.60		0.00
3200-0061	Fab & Connect Lines	5	17JUL14*	17JUL14*	23JUL14	23JUL14	31	20,530.80		0.00
3200-0063	Leak Check	2	24JUL14	24JUL14	25JUL14	25JUL14	31	3,674.88		0.00
FY093000	FY09 Actual Cost	22*	23FEB09A	23FEB09A	30SEP09A	30SEP09A		5,447.00	100	5,447.00
FY103000	FY10 Actual Cost	40	01OCT09A	01OCT09A	30NOV09A	30NOV09A		3,956.00	100	3,956.00
FY103200	FY10 Actual Cost	22	01APR10A	01APR10A	30APR10A	30APR10A		1,301.00	100	1,301.00
FY103200A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		4,904.00	100	4,904.00



Job: 3300 - Bakeout System Mods for CSU-RAKI

3300-105	Bakeout- Prelim Design	37	03MAY10A	03MAY10A	23JUN10A	23JUN10A		0.00	100	0.00
3300-110	Bakeout-PDR	0			23JUN10A	23JUN10A		0.00	100	0.00
3300-115	Bakeout-Final Design	55*	01MAR11*	01MAR11*	09MAY11	16MAY11	26	4,764.80		0.00
3300-117	Bakeout-Peer Review	0				18MAY11*	2,326	0.00		0.00
3300-120	Bakeout-FDR	0			15JUN11*	15JUN11*	5	0.00		0.00
3300-125	Bakeout-Procure Hardware	130	01OCT13*	01OCT13*	14APR14	14APR14	13	50,007.84		0.00
3300-130	Bakeout-Assembly	65	15APR14	15APR14	16JUL14	16JUL14	13	5,986.24		0.00
3300-135	Bakeout-Installation	20	17JUL14	17JUL14	13AUG14	13AUG14	13	9,988.84		0.00
3300-140	Bakeout-Test	5	14AUG14	14AUG14	20AUG14	20AUG14	13	8,434.12		0.00



Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY				
											FY11	FY12	FY13	FY14	FY15
4100-0045	Fab/Assy Procedure	20	06JUN12	06JUN12	03JUL12	03JUL12	147	18,266.88		0.00					
4100-0046	Shop Fabrication	65	11DEC12*	11DEC12*	20MAR13	20MAR13	37	119,716.30		0.00					
4100-0047	Assembly	65	21MAR13	21MAR13	20JUN13	20JUN13	37	114,001.78		0.00					
4100-0050	Installation Procedure (ex-vessel only)	15	01OCT12*	01OCT12*	19OCT12	19OCT12	201	29,835.40		0.00					
4100-0051	Machine Installation (ex-vessel only)	30	21JUN13	21JUN13	05AUG13	05AUG13	37	65,733.40		0.00					
4100-0052	PTP Testing	15	06AUG13	06AUG13	26AUG13	26AUG13	37	37,234.40		0.00					
4100-0056	Mount Diagnostics in PFC Tiles	40	25APR13	25APR13	20JUN13	20JUN13	82	0.00		0.00					
4100-FY09	FY09 Actual Cost	22*	23FEB09A	23FEB09A	30SEP09A	30SEP09A		11,000.00	100	11,000.00					
FY104000	FY10 Actual Cost	40	01JAN10A	01JAN10A	26FEB10A	26FEB10A		-1,729.00	100	-1,729.00					
FY104100	FY10 Actual Cost	65	01FEB10A	01FEB10A	30APR10A	30APR10A		12,432.00	100	12,432.00					
FY104100A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		69,954.00	100	69,954.00					

Job: 4500 - MPTS VV Modification-Labik

Design

MPTS-0003	PREPARE WORK PLANNING FORM	49*	11OCT10*	11OCT10A	12OCT10	20DEC10A		1,265.68	100	1,265.68					
MPTS-0004	Prep System Description	143*	16AUG10A	16AUG10A	25JAN11	15MAR11	59	3,068.50	70	2,147.95					
MPTS-0007	Mechanical Design Bay L	110*	01SEP10A	01OCT10A	17JAN11	15MAR11	70	31,074.37	95	29,520.65					
MPTS-0008	Port Support Design Bay L	37*	18JAN11*	24JAN11A	10FEB11	15MAR11	70	47,648.20	35	16,676.87					
MPTS-0009	Stress Analysis - Bay L	146*	11AUG10A	11AUG10A	14JAN11	15MAR11	59	142,213.69	95	135,103.01					
MPTS-0009A	Stress Analysis - Bay F	53*	01NOV10*	23DEC10A	21FEB11	15MAR11	70	52,830.00	90	47,547.00					
MPTS-0010	N/A Technical Support (see 0021)	49	01SEP10A	01SEP10A	01SEP10A	01SEP10A		0.00	100	0.00					
MPTS-0011	Conceptual Design presented at PDR	7	23AUG10A	23AUG10A	31AUG10A	31AUG10A		0.00	100	0.00					
MPTS-0011A	Conceptual Design Chits	20	01SEP10A	01SEP10A	29SEP10A	29SEP10A		0.00	100	0.00					
MPTS-0014	Mechanical Design Bay F	145*	03JAN11*	01DEC10A	30JUN11	30JUN11	2,119	36,764.85	40	14,705.94					
MPTS-0015	Port Support Design Bay F	155*	02JUN11*	07JAN11A	16AUG11	15AUG11	2,088	48,366.35	50	24,183.18					
MPTS-0020	CONDUCT PDR for MPTS	1	10FEB11*	15MAR11*	10FEB11	15MAR11	59	6,518.05		0.00					
MPTS-0020A	Input for Global FDR	11	01MAR11*	16MAR11*	15MAR11	30MAR11	59	28,223.30		0.00					
MPTS-0021	Technical Support General (LOE)	250*	01OCT10	01OCT10A	30SEP11	30SEP11	2,156	9,751.00	LOE	3,822.39					
MPTS-0023	Disposition PDR Chits	33	15APR11*	15APR11*	01JUN11	01JUN11	2,122	17,911.60		0.00					
MPTS-0023A	MPTS - Peer review	0				18MAY11*	2,326	0.00		0.00					
MPTS-0025	Design Pro E Model - (Bay L)	218*	15SEP10A	15SEP10A	29JUL11	29JUL11	2,189	10,737.36	95	10,200.49					
MPTS-0025A	Design Pro E Model - (Bay F)	218*	15SEP10A	15SEP10A	29JUL11	29JUL11	2,276	10,737.36	50	5,368.68					
MPTS-0026	Update Optic & Stress Analyses	155*	21FEB11*	15DEC10A	29JUL11	29JUL11	2,189	20,505.40	20	4,101.08					
MPTS-0027	Update Cost & Schedule Estimate	24	09MAY11*	09MAY11*	10JUN11	10JUN11	2,139	4,019.85		0.00					
MPTS-0028	Final Design Changes	48	23MAY11*	23MAY11*	29JUL11	29JUL11	2,129	23,181.55		0.00					
MPTS-0028A	CONDUCT FDR MPTS VV interface	18	17AUG11*	21JUL11*	12SEP11	15AUG11	2,088	8,622.80		0.00					
MPTS-0028C	CONDUCT FDR externals	18	30AUG11*	30AUG11*	23SEP11	23SEP11	2,237	13,369.60		0.00					
MPTS-0029	Detail Drawings	43	01AUG11*	31MAY11*	29SEP11	29JUL11	2,124	15,655.20		0.00					
MPTS-0030	FDR Chit Response	5	13SEP11	16AUG11	19SEP11	22AUG11	2,088	24,430.65		0.00					

Procurement

MPTS-0032	Bay L Wire Seal Flange & Nozzle w/Weld Prep	130	03OCT11*	03OCT11*	11APR12	11APR12	2,060	27,534.90		0.00					
MPTS-0033	Bay L Port Cover	130	03OCT11*	03OCT11*	11APR12	11APR12	2,060	8,607.45		0.00					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY						
											FY11	FY12	FY13	FY14	FY15		
MPTS-0035	Misc Materials	130	03OCT11*	03OCT11*	11APR12	11APR12	2,060	12,054.90		0.00							
MPTS-0036	Tooling	130	03OCT11*	03OCT11*	11APR12	11APR12	2,060	7,317.45		0.00							
Fabrication																	
MPTS-0038	Fabricate Tooling & New Port Support Assemblies	76	03JAN12*	03JAN12*	17APR12	17APR12	2,002	70,390.20		0.00							
MPTS-0039	POP Vessel Wall Plate and Nozzle Mockup	42	03MAY11*	03MAY11*	30JUN11	30JUN11	2,203	75,190.80		0.00							
MPTS-0041	Low Power Laser Holder for Bay L , F and F/G	15	18APR12	18APR12	08MAY12	08MAY12	2,002	27,456.20		0.00							
Installation																	
MPTS-0043A	Protective Enclosure Cutting Debris	12	01FEB12*	01FEB12*	16FEB12	16FEB12	2,060	19,802.60		0.00							
MPTS-0044	Installation Procedure	79	21MAR12*	19JAN12	11JUL12	08MAY12	2,002	3,469.80		0.00							
MPTS-0045	SetUp Cutting Device Supp/Machine Penetr B-L/F/G	40	12JUL12	09MAY12	06SEP12	05JUL12	2,002	58,236.80		0.00							
MPTS-0046	Set Up New Ports Support Bays L&F	18	07SEP12	06JUL12	02OCT12	31JUL12	2,002	13,060.11		0.00							
MPTS-0047	Weld New Ports	23	03OCT12	01AUG12	02NOV12	31AUG12	2,002	14,279.00		0.00							
MPTS-0048	Set up and Machine Bay F Edge	13	24APR13*	24APR13*	10MAY13	10MAY13	164	23,518.30		0.00							
MPTS-0050	Metrology Support & leak check ports	183	28FEB13*	01MAR13*	15NOV13	18NOV13	1,700	21,390.57		0.00							
FY104500A	FY10 Actuals Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		10,079.00	100	10,079.00							
1.5 Power Systems																	
Job: 5000 - CSU Power Systems-RAKI																	
51 - AC Power																	
510-003	51- AC Power -FINAL DESIGN PREP	78*	01DEC10*	01DEC10A	28MAR11	28MAR11	616	11,491.72	30	3,447.52							
510-005	51- AC Power -procedures, specs, revision	20	01JUL13*	01JUL13*	30JUL13	30JUL13	51	29,901.28		0.00							
510-009	51- AC Power -Procurement	65	31JUL13*	31JUL13*	30OCT13	30OCT13	51	47,885.54		0.00							
510-013	51- AC Power -Installation	20	31OCT13	31OCT13	27NOV13	27NOV13	51	84,847.52		0.00							
510-017	51- AC Power -Test&Commission	20	02DEC13	02DEC13	08JAN14	08JAN14	51	19,037.68		0.00							
52 - AC/DC Converters																	
520-005	52 - AC/DC Converters - Dsn	20	10JUN13*	10JUN13*	09JUL13	09JUL13	46	2,667.44		0.00							
520-009	52 - AC/DC Converters -Procurement	65	10JUL13*	10JUL13*	09OCT13	09OCT13	46	17,202.00		0.00							
520-013	52 - AC/DC Converters -Reactivate	40	10OCT13	10OCT13	06DEC13	06DEC13	46	0.00		0.00							
520-017	52 - AC/DC Converters -Test&Commission	20	09DEC13	09DEC13	15JAN14	15JAN14	46	37,936.40		0.00							
531 - FCPC DC PF1 & TF Systems																	
531-004	531- FCPC DC Systems FINAL DESIGN PREP	140*	01DEC10*	01DEC10A	23JUN11	23JUN11	121	31,227.50	25	7,806.88							
531-005	531- FCPC DC Systems procedures, specs, revision	263	04OCT11*	04OCT11*	19OCT12	19OCT12	51	197,333.60		0.00							
531-013	531- FCPC DC Systems-Procure 1000MCM Cable&Tray	260	13MAR12*	13MAR12*	27MAR13	27MAR13	142	205,337.60		0.00							
531-017	531- FCPC DC Systems Cabling Changes	80	16SEP13*	16SEP13*	17JAN14	17JAN14	24	48,451.50		0.00							
531-021	531- FCPC DC Systems -Procure OH Reactors	195	22OCT12	22OCT12	06AUG13	06AUG13	51	132,000.00		0.00							
531-021A	531- Clear FCPC	20		16AUG13		13SEP13	24	0.00		0.00							
531-025	531- FCPC DC Systems -OH React Install	80	16SEP13*	16SEP13*	17JAN14	17JAN14	24	61,910.25		0.00							
531-029	531- FCPC DC Systems-Install cable & misc h/w	80	01OCT13*	01OCT13*	03FEB14	03FEB14	13	913,018.00		0.00							
531-033	531- FCPC DC Systems -Test&Commission	20	04FEB14	04FEB14	03MAR14	03MAR14	13	100,676.24		0.00							
532 - FCPC PF5 DC Systems*NOT IN PROJECT SCOPE**																	
530XXX		1	01OCT10	01NOV10A	01OCT10	01NOV10A		0.00	100	0.00							
532 - TA-NTC DC Systems																	
532-003	532- PCTS Changes -FINAL DESIGN PREP	99*	01DEC10*	01DEC10A	26APR11	26APR11	415	7,494.60	20	1,498.92							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY				
											FY11	FY12	FY13	FY14	FY15
12	Conceptual Design Analysis & Alg. Prep.	100*	15NOV10	15NOV10A	13APR11	28FEB11A		56,616.60	100	56,616.60	■ EE//EM=60;EA//EM=240				
13	CDR Prep. & Review	5	20JAN11	22FEB11A	26JAN11	28FEB11A		8,457.04	100	8,457.04	■ EE//EM=40;EA//EM=8				
16	CDR Chit Resolution	5	27JAN11*	28FEB11*	02FEB11	04MAR11	2,339	6,915.60		0.00	■ EE//EM=40				
17	Analog Preliminary Design	40	03FEB11	11APR11	06APR11	06JUN11	2,314	39,764.70		0.00	■ EE//EM=230				
18	Digital Preliminary Design	40	03FEB11	11APR11	30MAR11	06JUN11	2,314	40,178.68		0.00	■ EE//EM=220;EC//EM=16				
19	PDR Prep. & Review	15	07APR11	02MAY11*	27APR11	20MAY11	1,904	17,849.10		0.00	■ EE//EM=80;EC//EM=30				
20	Systems Code Development	120*	01NOV10*	01NOV10A	27APR11	27APR11	2,341	27,662.40	80	22,129.92	■ EE//EM=160				
23	PDR Chit Resolution	10	28APR11	23MAY11	11MAY11	06JUN11	1,904	5,532.48		0.00	■ EE//EM=32				
24	CSU FDR Prep	9*	12MAY11	07JUN11	02JUN11	17JUN11	1,905	6,915.60		0.00	■ EE//EM=40				
25	Analog Design - Pt. I	130	12JAN12*	12JAN12*	13JUL12	13JUL12	1,757	49,398.48		0.00	■ EE//EM=248;EA//SB=12;EE//TB=8				
26	Digital Design - Pt. I	130	12JAN12*	12JAN12*	13JUL12	13JUL12	1,757	44,816.44		0.00	■ EE//EM=212;EC//TB=40;EA//SB=12				
27	Hardware Interface	120	12JAN12*	12JAN12*	28JUN12	28JUN12	1,767	20,646.40		0.00	■ EE//EM=80;EA//SB=40				
28	Systems Code - A	120	03OCT11*	03OCT11*	28MAR12	28MAR12	1,832	54,355.60		0.00	■ EE//EM=200;EA//SB=120				
29	Final Design Review	20	16JUL12	16JUL12	10AUG12	10AUG12	1,757	7,583.60		0.00	■ EE//EM=40				
30	DCPS Algorithms	120	03OCT11*	03OCT11*	28MAR12	28MAR12	1,832	128,281.60		0.00	■ EE//EM=320;EA//EM=320				
31	External Interface & Response	80	01APR14	01APR14	23JUL14	23JUL14	1,515	41,807.40		0.00	■ EE//EM=180;EA//SB=40				
32	Real Time Programming	150	01OCT13*	01OCT13*	12MAY14	12MAY14	1,565	177,467.20		0.00	■ EE//EM=360;EC//EM=680				
33	Analog Design - Pt. II	120	01OCT13*	01OCT13*	31MAR14	31MAR14	1,595	234,416.40		0.00	■ EE//EM=880;EE//TB=600				
34	Digital Design - Pt. II	120	01OCT13*	01OCT13*	31MAR14	31MAR14	1,515	225,380.42		0.00	EE//EM=770;EC//EM=184;EE//TB=440 ■				
35	Systems Code - B	240	13AUG12	13AUG12	31JUL13	31JUL13	1,757	227,205.52		0.00	■ EE//EM=720;EC//EM=360;EA//EM=160				
36	Systems Integration & Testing	20	24JUL14*	24JUL14*	20AUG14	20AUG14	1,515	41,970.40		0.00	EE//EM=80;EC//EM=80;EA//SB=40;EE//TB=80 ■				
5200-0024A	DCP - Peer Review	0				18MAY11*	2,326	0.00		0.00	▼				
5200-010	Woolley October Budget	20	01OCT10*	01OCT10A	28OCT10	29OCT10A		4,495.14	100	4,495.14	■ woolley= 26 ;				
5200013M	DCP -Hardware (procure & Install)	200	01MAR13*	01MAR13*	13DEC13	13DEC13	1,663	557,676.00		0.00	■ 41=420,000 ;				
5200013N	DCP -Cabling and Raceways	100	01OCT13*	01OCT13*	03MAR14	03MAR14	1,615	78,300.00		0.00	■ 41=18,000 ; 41=40,000 ;				
FY105200A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		83,402.00	100	83,402.00					
Job: 5501 - Coil Bus Runs-SMITH															
Design															
5501-0007	FEMA	5	03MAY10A	03MAY10A	07MAY10A	07MAY10A		0.00	100	0.00					
5501-0009	Eng Dsgn: elect, thermal, EM & stress-OH BUS	4	21MAY10A	21MAY10A	26MAY10A	26MAY10A		0.00	100	0.00					
5501-0010	CAD:Coaxial bus dsgn/bus routing/supports-OH BUS	5	10MAY10A	10MAY10A	14MAY10A	14MAY10A		0.00	100	0.00					
5501-0011	Analysis Mech: thermal, EM & stress-OH BUS	2	17MAY10A	17MAY10A	18MAY10A	18MAY10A		0.00	100	0.00					
5501-0012	Analysis Elec: electrical-OH BUS	2	17MAY10A	17MAY10A	18MAY10A	18MAY10A		0.00	100	0.00					
5501-0014	Eng Dsgn: elect, thermal, EM & stress-PF BUS	4	27MAY10A	27MAY10A	02JUN10A	02JUN10A		0.00	100	0.00					
5501-0015	CAD: bus routing, supports-PF BUS	5	07MAY10A	07MAY10A	13MAY10A	13MAY10A		0.00	100	0.00					
5501-0016	Analysis Mech: thermal, EM & stress-PF BUS	2	14MAY10A	14MAY10A	17MAY10A	17MAY10A		0.00	100	0.00					
5501-0017	Analysis Elec: electrical-PF BUS	2	14MAY10A	14MAY10A	17MAY10A	17MAY10A		0.00	100	0.00					
5501-0019	Eng Dsgn: elect, thermal, EM & stress-TF BUS	4	03JUN10A	03JUN10A	08JUN10A	08JUN10A		0.00	100	0.00					
5501-0020	CAD: bus routing, supports-TF BUS	10	13MAY10A	13MAY10A	26MAY10A	26MAY10A		0.00	100	0.00					
5501-0021	Analysis Mech: thermal, EM & stress-TF BUS	2	27MAY10A	27MAY10A	28MAY10A	28MAY10A		0.00	100	0.00					
5501-0022	Analysis Elec: electrical-TF BUS	2	27MAY10A	27MAY10A	28MAY10A	28MAY10A		0.00	100	0.00					
5501-0024	Eng Dsgn: elect, thermal, EM & stress-CHI BUS	4	09JUN10A	09JUN10A	14JUN10A	14JUN10A		0.00	100	0.00					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY				
											FY11	FY12	FY13	FY14	FY15
5501-0025	CAD:ring bus design/bus routing/supports-CHI BUS	18	26MAY10A	26MAY10A	21JUN10A	21JUN10A		0.00	100	0.00					
5501-0026	Analysis Mech: thermal, EM & stress-CHI BUS	2	22JUN10A	22JUN10A	23JUN10A	23JUN10A		0.00	100	0.00					
5501-0027	Analysis Elec: electrical-CHI BUS	2	22JUN10A	22JUN10A	23JUN10A	23JUN10A		0.00	100	0.00					
5501-0028	Update Cost & Schedule Estimate	3	11JUN10A	11JUN10A	15JUN10A	15JUN10A		0.00	100	0.00					
5501-0029	PDR Prep & PDR	6	16JUN10A	16JUN10A	23JUN10A	23JUN10A		0.00	100	0.00					
5501-0030	Disposition of PDR CHITS	30	24JUN10A	24JUN10A	05AUG10A	05AUG10A		0.00	100	0.00					
5501-0031	Eng Dsn & CAD Model Updates	38	23JUN10A	23JUN10A	25AUG10A	25AUG10A		0.00	100	0.00					
5501-0032	OH Coaxial Bus Prelim Dsgn Updat/Optim Cmpl	8	24JUN10A	24JUN10A	06JUL10A	06JUL10A		0.00	100	0.00					
5501-0033	PF Bus Prelim Dsgn Updat/Optim Cmpl	10	07JUL10A	07JUL10A	20JUL10A	20JUL10A		0.00	100	0.00					
5501-0034	TF Bus Prelim Dsgn Updat/Optim Cmpl	10	21JUL10A	21JUL10A	03AUG10A	03AUG10A		0.00	100	0.00					
5501-0035	CHI Bus Prelim Dsgn Updat/Optim Cmpl	10	04AUG10A	04AUG10A	17AUG10A	17AUG10A		0.00	100	0.00					
5501-0037	Prep DOE CD-2 (Lehman) Review	5	04AUG10A	04AUG10A	10AUG10A	10AUG10A		0.00	100	0.00					
5501-0038	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A	11AUG10A		0.00	100	0.00					
1305-0160	N/A OH Bus Bar Analysis(xfer f/j. Chrzanowski)	39*	02AUG10A	02AUG10A	30SEP10A	30SEP10A		0.00	100	0.00	EA/EM =40 ;				
OH Bus															
5501-0042	Final Design	174*	17AUG10A	17AUG10A	28FEB11	28APR11	18	25,010.31	LOE	18,682.70	EM/EM =162 ;				
5501-0046	Busbar System Design-OH BUS	176*	17AUG10A	17AUG10A	28FEB11	02MAY11	1	3,153.04	85	2,680.09	EM/EM =16 ; EE//EM =04 ;				
5501-0047	Update CAD - OH BUS	176*	17AUG10A	17AUG10A	28FEB11	02MAY11	1	12,078.34	85	10,266.59	EM/EM =10 ; EA//SB =66 ;				
5501-0049	Analysis/Calc: EM/Stress/Thermal-OH BUS	176*	17AUG10A	17AUG10A	28FEB11	02MAY11	2,338	4,500.09	80	3,600.07	EA//SB =24 ;				
5501-0050	Detail Drawings-OH BUS	143*	01MAR11	04OCT10A	04APR11	02MAY11	1	2,997.84	70	2,098.49	EA//EM =24 ;				
5501-0051	Design Validation-OH BUS	5	01MAR11	03MAY11	04APR11	09MAY11	1	7,855.08		0.00	EE//EM =12 ; EA//EM =30 ;				
5501-0051A	Updt Models/Dwgs Ready for Signoff-OH BUS	10	05APR11	10MAY11	09MAY11	23MAY11	1	13,415.25		0.00	EA//SB =96 ; EM//EM=9				
PF Bus															
5501-0055	Busbar System Design-PF BUS	176*	17AUG10A	17AUG10A	28FEB11	02MAY11	1	3,153.04	85	2,680.09	EM/EM =16 ; EE//EM =04 ;				
5501-0056	Update CAD-PF BUS	176*	17AUG10A	17AUG10A	28FEB11	02MAY11	1	12,039.90	85	10,233.91	EM/EM =28 ; EA//SB =63 ;				
5501-0058	Analysis/Calc: EM/Stress/Thermal-PF BUS	176*	17AUG10A	17AUG10A	28FEB11	02MAY11	2,338	4,500.09	80	3,600.07	EA//EM =24 ;				
5501-0059	Detail Drawings-PF BUS	143*	01MAR11	04OCT10A	04APR11	02MAY11	1	11,991.36	70	8,393.95	EA//SB =96 ;				
5501-0060	Design Validation-PF BUS	5	01MAR11	03MAY11	04APR11	09MAY11	1	7,855.08		0.00	EE//EM =12 ; EA//EM =30 ;				
5501-0060A	Updt Models/Dwgs Ready for Signoff-PF BUS	10	05APR11	10MAY11	09MAY11	23MAY11	1	15,413.67		0.00	EA//SB =93 ; EM//EM=24				
TF Bus															
5501-0063	Busbar System Design-TF BUS	176*	17AUG10A	17AUG10A	28FEB11	02MAY11	35	3,153.04	85	2,680.09	EM/EM =16 ; EE//EM =04 ;				
5501-0064	Update CAD-TF BUS	176*	17AUG10A	17AUG10A	28FEB11	02MAY11	1	14,436.14	85	12,270.72	EM/EM =34 ; EA//SB =75 ;				
5501-0066	Analysis/Calc: EM/Stress/Thermal-TF BUS	176*	17AUG10A	17AUG10A	28FEB11	02MAY11	2,338	6,000.12	80	4,800.10	EA//EM =32 ;				
5501-0067	Detail Drawings-TF BUS	123*	01MAR11	01NOV10A	04APR11	02MAY11	1	6,994.96	70	4,896.47	EA//SB =56 ;				
5501-0068	Design Validation-TF BUS	5	01MAR11	03MAY11	04APR11	09MAY11	1	7,855.08		0.00	EE//EM =12 ; EA//EM =30 ;				
5501-0068A	Updt Models/Dwgs Ready for Signoff-TF BUS	10	05APR11	10MAY11	09MAY11	23MAY11	1	12,091.12		0.00	EA//SB =74 ; EM//EM=18				
CHI Bus															
5501-0071	Busbar System Design-CHI BUS	176*	17AUG10A	17AUG10A	28FEB11	02MAY11	35	3,153.04	85	2,680.09	EM/EM =16 ; EE//EM =04 ;				
5501-0072	Update CAD-CHI BUS	176*	17AUG10A	17AUG10A	28FEB11	02MAY11	1	16,891.09	85	14,357.43	EM/EM =38 ; EA//SB =90 ;				
5501-0074	Analysis/Calc: EM/Stress/Thermal-CHI BUS	176*	17AUG10A	17AUG10A	28FEB11	02MAY11	2,338	4,500.09	80	3,600.07	EA//EM =24 ;				
5501-0075	Detail Drawings-CHI BUS	123*	01MAR11	01NOV10A	04APR11	02MAY11	1	13,989.92	70	9,792.94	EA//SB =112 ;				
5501-0076	Design Validation-CHI BU	5	01MAR11	03MAY11	04APR11	09MAY11	1	7,855.08		0.00	EE//EM =12 ; EA//EM =30 ;				
5501-0076A	Updt Models/Dwgs Ready for Signoff-CHI BUS	10	05APR11	10MAY11	09MAY11	23MAY11	1	18,669.62		0.00	EA//SB =114 ; EM//EM=28				

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY						
											FY11	FY12	FY13	FY14	FY15		
5501-0077	Update Cost & Schedule Estimate	5	10MAY11	24MAY11	16MAY11	31MAY11	15	1,265.68		0.00							
5501-0078	FDR Prep	19*	10MAY11	24MAY11	23MAY11	20JUN11	1	6,328.40		0.00							
5501-0078A	Coil Bus Runs - Peer review	0				18MAY11*	2,326	0.00		0.00							
5501-0079	FDR 5500	1	15JUN11	21JUN11	15JUN11	21JUN11*	1	1,265.68		0.00							
Inner TF Bundle Design																	
1304-0120	N/A Analyze TF Bus Bar (xfer f/j. Chrzanowski)	17	30SEP10A	30SEP10A	30SEP10A	30SEP10A		0.00	100	0.00	EA/EM =100 ;						
5501-0082	Prep Req & Procurement Package	10	01FEB13*	01FEB13*	14FEB13	14FEB13	42	14,171.20		0.00							
5501-0083	Submit Req to Procurement	1	15FEB13	15FEB13	15FEB13	15FEB13	42	0.00		0.00							
5501-0084	Procurement Lead Time	30	18FEB13	18FEB13	29MAR13	29MAR13	42	0.00		0.00							
5501-0085	Award Coil Bus Run	1	01APR13	01APR13	01APR13	01APR13	42	0.00		0.00							
5501-0086	Copper Total	80	02APR13	02APR13	25JUL13	25JUL13	42	22,455.56		0.00							
5501-0087	Insulation & Protection Total	80	02APR13	02APR13	25JUL13	25JUL13	42	13,215.56		0.00							
5501-0088	SS Hardware, Fittings, Materials Total	80	02APR13	02APR13	25JUL13	25JUL13	42	23,775.56		0.00							
5501-0089	G10 FR4 Total	80	02APR13	02APR13	25JUL13	25JUL13	42	11,895.56		0.00							
5501-0090	Fab & Safety Consumables Total	80	02APR13	02APR13	25JUL13	25JUL13	42	9,255.56		0.00							
5501-0091	Struc Support Material Total	80	02APR13	02APR13	25JUL13	25JUL13	42	6,615.56		0.00							
5501-0092	Misc Total	80	02APR13	02APR13	25JUL13	25JUL13	42	8,552.04		0.00							
5501-0097	Fab/Assembly	140	26JUL13*	26JUL13*	21FEB14	21FEB14	42	41,212.99		0.00							
5501-0098	Documentn: Fab/Assy Procedure-OH BUS	5	01OCT13	01OCT13	07OCT13	07OCT13	31	19,677.16		0.00							
5501-0099	Fabricatn: pre-installation components-OH BUS	20	08OCT13*	08OCT13*	04NOV13	04NOV13	31	38,946.48		0.00							
5501-0100	Assembly: pre-installatn components-OH BUD	20	05NOV13*	05NOV13*	04DEC13	04DEC13	31	18,374.40		0.00							
5501-0101	Insulation & Protective Layer-OH BUS	10	19NOV13	19NOV13	04DEC13	04DEC13	31	18,374.40		0.00							
5501-0102	Electrical Testing-OH BUS	5	26NOV13	26NOV13	04DEC13	04DEC13	31	5,610.88		0.00							
5501-0105	Documentn: Fab/Assy Procedure-PF BUS	5	01OCT13*	01OCT13*	07OCT13	07OCT13	71	7,373.96		0.00							
5501-0106	Fabricatn: pre-installation components-PF BUS	20	05DEC13	05DEC13	13JAN14	13JAN14	31	20,572.08		0.00							
5501-0109	Documentn: Fab/Assy Procedure-TF BUS	5	08OCT13	08OCT13	14OCT13	14OCT13	86	7,373.96		0.00							
5501-0110	Fabricatn: pre-installation components-TF BUS	20	14JAN14*	14JAN14*	10FEB14	10FEB14	31	20,572.08		0.00							
5501-0113	Documentn: Fab/Assy Procedure-CHI BUS	5	15OCT13	15OCT13	21OCT13	21OCT13	101	7,373.96		0.00							
5501-0114	Fabricatn: pre-installation components-OH BUS	20	11FEB14*	11FEB14*	10MAR14	10MAR14	31	20,572.08		0.00							
5501-0118	Documentation: Installation Procedure-OH BUS	5	22OCT13*	22OCT13*	28OCT13	28OCT13	116	4,395.36		0.00							
5501-0119	Field Fit Up, Fabrication, Installation-OH BUS	65	11MAR14	11MAR14	10JUN14	10JUN14	31	23,541.52		0.00							
5501-0120	Testing-OH BUS	1	11JUN14	11JUN14	11JUN14	11JUN14	62	2,611.60		0.00							
5501-0080	Procurementsupport	173	01OCT13*	01OCT13*	13JUN14	13JUN14	31	41,661.48		0.00							
5501-0123	Documentation: Installation Procedure-PF BUS	5	29OCT13*	29OCT13*	04NOV13	04NOV13	130	4,395.36		0.00							
5501-0124	Field Fit Up, Fabrication, Installation-PF BUS	60	18MAR14	18MAR14	10JUN14	10JUN14	31	161,077.92		0.00							
5501-0125	Testing-PF BUS	6	11JUN14	11JUN14	18JUN14	18JUN14	57	15,669.60		0.00							
5501-0129	Documentation: Installation Procedure-TF BUS	5	05NOV13*	05NOV13*	11NOV13	11NOV13	130	4,395.36		0.00							
5501-0130	Field Fit Up, Fabrication, Installation-TF BUS	65	11MAR14	11MAR14	10JUN14	10JUN14	31	51,681.52		0.00							
5501-0131	Testing-TF BUS	2	11JUN14	11JUN14	12JUN14	12JUN14	61	7,834.80		0.00							
5501-0135	Documentation: Installation Procedure-CHI BUS	5	12NOV13*	12NOV13*	18NOV13	18NOV13	130	4,395.36		0.00							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	Fiscal Year				
											FY11	FY12	FY13	FY14	FY15
6100-0065	CAMAC Memory module fab.	60	01OCT13*	01OCT13*	06JAN14	06JAN14	162	21,955.28		0.00					EC//EM =16 ; EC//SB =40 ; EE//EM =40 ;
6100-0067	DAS programming for NSTX diags upgd	60	20MAY14	20MAY14	13AUG14	13AUG14	17	3,720.72		0.00					EC//EM =24 ;
6100-0070	Wait for I&C Installation Start (per NSTX	1	01OCT13*	01OCT13*	01OCT13	01OCT13	111	155.03		0.00					EC//EM =01 ;
6100-0071	CAMAC Replacement systems install	60	02OCT13	02OCT13	07JAN14	07JAN14	111	31,285.65		0.00					EC//TB =30 ; EC//EM =60 ; EE//EM =45 ; EC//SB =90 ;
6100-0072	CAMAC Memory install	10	08OCT13*	08OCT13*	21OCT13	21OCT13	217	2,656.12		0.00					EC//EM =08 ; EC//SB =12 ;
6100-0073A	NTC/DARM fiber & network install	30	19FEB14	19FEB14	01APR14	01APR14	51	2,208.08		0.00					EC//EM =4 ; EA//SB =3 ; EE//SB =8 ;
6100-0074	install I&C Thermocouple equipment	5	02OCT13*	02OCT13*	08OCT13	08OCT13	211	3,128.08		0.00					EC//EM =08 ; EC//SB =16 ;
6100-0075	Install I&C due to NTC GIS rack relocation	60	29MAY14*	29MAY14*	21AUG14	21AUG14	1	37,617.24		0.00					EA//SB =40 ; EC//EM =48 ; EC//SB =60 ; EE//SB =120 ;
6100-0081	CS Infrastructure tests	30	13MAY14*	13MAY14*	24JUN14	24JUN14	27	13,835.36		0.00					EC//SB =08 ; EC//TB =24 ; EE//EM =24 ; EC//EM =40 ;
6100-0082	PSRTC Simulation PTP-034	5	25JUN14	25JUN14	01JUL14	01JUL14	27	13,882.56		0.00					EC//EM =32 ; EA//EM =40 ;
6100-0083	PSRTC PTP-035	5	02JUL14	02JUL14	09JUL14	09JUL14	27	13,441.28		0.00					EA//EM =24 ; EC//TB =24 ; EC//EM =40 ;
6100-0084B	PCS tesing	10	10JUL14	10JUL14	23JUL14	23JUL14	27	6,201.20		0.00					EC//EM =40 ;
6100-0085	Support ISTEP-001	5	29AUG14	29AUG14	05SEP14	05SEP14	1	10,960.80		0.00					EA//EM =24 ; EC//EM =24 ; EC//TB =24 ;
6100-0086	CAMAC Replacement system tests	60	20MAY14	20MAY14	13AUG14	13AUG14	17	34,244.00		0.00					EC//SB =80 ; EC//EM =160 ;
6100-0087	CAMAC Memory bench tests	5	07JAN14	07JAN14	13JAN14	13JAN14	162	5,959.84		0.00					EC//EM =08 ; EC//SB =40 ;
6100-0088	CAMAC Memory field tests	5	14JAN14	14JAN14	20JAN14	20JAN14	162	3,600.04		0.00					EC//EM =08 ; EC//SB =20 ;
6100-0089	Cntr Stk diags testing	5	09OCT13*	09OCT13*	15OCT13	15OCT13	211	5,608.56		0.00					EC//SB =16 ; EC//EM =24 ;
6100-0090	test relocated I&C GIS rack systems	5	22AUG14	22AUG14	28AUG14	28AUG14	1	14,021.40		0.00					EC//SB =40 ; EC//EM =60 ;
6100-0092	Project Ready for ISTEP Target	1	08SEP14*	08SEP14*	08SEP14	08SEP14	1	155.03		0.00					EC//EM =01 ;
FY106100	FY10 Actual Cost	85	01JAN10A	01JAN10A	30APR10A	30APR10A		14,551.00	100	14,551.00					
FY106100A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		23,560.00	100	23,560.00					

1.7 Project Support & Integration

Job: 7100 - Project Mgt & Integration-STRYKOWSKY

General Arrangement Drawings

CS7000020G	FY2010 General Arrangement Drawings	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A		0.00	100	0.00					EA//ES =144 ;
CS7000031G	FY2011 General Arrangement Drawings	250*	01OCT10*	01OCT10A	30SEP11	30SEP11	1,487	75,098.26	LOE	29,438.52					EA//ES =863 ;
CS7000041G	FY2012 General Arrangement Drawings	249	03OCT11*	03OCT11*	28SEP12	28SEP12	1,487	82,045.41		0.00					EA//ES =863 ;
CS7000053G	FY2013 General Arrangement Drawings	248	01OCT12*	01OCT12*	30SEP13	30SEP13	1,487	83,452.10		0.00					EA//ES =863 ;
CS7000054G	FY2014 General Arrangement Drawings	248	01OCT13*	01OCT13*	30SEP14	30SEP14	1,487	42,828.00		0.00					EA//ES =430

Project Management

CS7000020	FY2010 Project Management	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A		0.00	100	0.00					EM//EM =144 ; EA//EM =215 ; FC//AC =355 ; 35=6,000 ; 41=20,000 ; FC//AM =144 ;
CS7000031	FY2011 Project Management	250*	01OCT10*	01OCT10A	30SEP11	30SEP11	1,487	741,305.01	LOE	290,591.56					EM//EM =517 ; EA//EM =517 ; FC//AC =863 ; 35=6,000 ; EM//SM =00 ; 41=30,000 ; FC//AM =690 ;
CS7000041	FY2012 Project Management	249	03OCT11*	03OCT11*	28SEP12	28SEP12	1,487	752,945.42		0.00					EM//EM =863 ; EA//EM =345 ; FC//AM =863 ; 35=6,000 ; 41=25,000 ; FC//AM =173 ;
CS7000053	FY2013 Project Management	248	01OCT12*	01OCT12*	30SEP13	30SEP13	1,487	844,226.78		0.00					EM//EM =1,726 ; EA//EM =1,726 ; FC//AC =863 ; 35=6,000 ; 41=5,000 ;
CS7000054	FY2014 Project Management	248	01OCT13*	01OCT13*	30SEP14	30SEP14	1,487	826,245.96		0.00					EM//EM =17261 ; FC//AC =863 ; 35=6000 ; 41=50000 ;
FY097100	FY09 Actual Cost	22*	23FEB09A	23FEB09A	30SEP09A	30SEP09A		625,829.00	100	625,829.00					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY					
											FY11	FY12	FY13	FY14	FY15	
FY107100	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A		554,759.00	100	554,759.00						
FY107100A	FY10 Actual Cost	130	03MAY10A	03MAY10A	30SEP10A	30SEP10A		226,386.00	100	226,386.00	81=226386					
Project Reviews																
CS7000020R	FY2010 Project Reviews	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A		0.00	100	0.00						
CS7000031R	FY2011 Project Reviews	250*	01OCT10*	01OCT10A	30SEP11	30SEP11	1,735	25,200.00	LOE	9,878.40		Reviews=20,000				
CS7000041R	FY2012 Project Reviews	249	03OCT11*	03OCT11*	28SEP12	28SEP12	1,735	25,800.00		0.00		reviews = 20,000				
CS7000052	ORA support	43	01APR14*	01APR14*	30MAY14	30MAY14	85	111,296.00		0.00		EA//EC =480 ;35=20,000				
CS7000053R	FY2013 Project Reviews	248	01OCT12*	01OCT12*	30SEP13	30SEP13	1,735	26,400.00		0.00		reviews=20,000				
Work Control Center																
CS7000041W	FY2012 WCC	249	03OCT11*	03OCT11*	28SEP12	28SEP12	1,487	148,936.54		0.00		EM//SM =863				
CS7000053W	FY2013 WCC	248	01OCT12*	01OCT12*	30SEP13	30SEP13	1,487	304,777.08		0.00		EM//SM =1,726				
CS7000054W	FY2014 WCC	248	01OCT13*	01OCT13*	30SEP14	30SEP14	1,487	314,442.68		0.00		EM//SM =1726				
Job: 7200 - Center Stack Management-DUDEK																
Project Management																
7200-01	100FY2010 CSU Management	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A		0.00	100	0.00	EM//EM =323 ; EE//EM =288 ; ;35=2,083 ; ;39=4,541					
7200-02	FY2011 CSU Management	250*	01OCT10*	01OCT10A	30SEP11	30SEP11	1,494	222,274.76	LOE	87,131.70		EM//EM =777 ; EE//EM =431 ; ;35=5,000 ; ;39=10,900				
7200-03	FY2012 CSU Management	245	03OCT11*	03OCT11*	24SEP12	24SEP12	1,494	227,382.39		0.00		EM//EM =690 ; EE//EM =431 ; ;35=5,000 ; ;39=10,900				
7200-04	FY2013 CSU Management	245	01OCT12*	01OCT12*	25SEP13	25SEP13	1,490	215,496.25		0.00		EM//EM =690 ; EE//EM =345 ; ;35=5,000 ; ;39=10,900				
7200-05	FY2014 CSU Management	248	01OCT13*	01OCT13*	30SEP14	30SEP14	1,487	222,485.45		0.00		EM//EM =690 ; EE//EM =345 ; ;35=5,184 ; ;39=10900				
FY107200	FY10 Actual Cost	123	02NOV09A	02NOV09A	30APR10A	30APR10A		84,961.00	100	84,961.00						
FY107200A	FY10 Actual Cost	130	01APR10A	01APR10A	30SEP10A	30SEP10A		137,256.00	100	137,256.00	81=137256					
Project Reviews																
7200-01R	FY2010 CSU Project Reviews	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A		0.00	100	0.00		EM//EM =258				
7200-02R	FY2011 CSU Project EIR Reviews	250*	01OCT10	01OCT10A	28OCT10	29OCT10A		49,045.10	100	49,045.10		EM//EM =310				
7200-02S	FY2011 CSU Project OPA Reviews	20	01AUG11*	01AUG11*	26AUG11	26AUG11	2,256	49,045.10		0.00		EM//EM =310				
7200-03R	FY2012 CSU Project OPA Reviews	20	01FEB12*	01FEB12*	28FEB12	28FEB12	2,093	53,781.90		0.00		EM//EM =310				
7200-03S	FY2012 CSU Project OPA Reviews	20	01AUG12*	01AUG12*	28AUG12	28AUG12	1,965	53,781.90		0.00		EM//EM =310				
7200-04R	FY2013 CSU Project OPA Reviews	20	01FEB13*	01FEB13*	28FEB13	28FEB13	1,863	54,913.40		0.00		EM//EM =310				
7200-04S	FY2013 CSU Project OPA Reviews	20	01AUG13*	01AUG13*	28AUG13	28AUG13	1,737	54,913.40		0.00		EM//EM =310				
7200-05R	FY2014 CSU Project OPA Reviews	20	03FEB14*	03FEB14*	28FEB14	28FEB14	1,636	56,773.40		0.00		EM//EM =310				
7200-05S	FY2014 CSU Project OPA Reviews	20	01AUG14*	01AUG14*	28AUG14	28AUG14	1,509	56,773.40		0.00		EM//EM =310				
Job: 7300 - NB2 Management-STEVENSON																
Project Management																
7300-01	FY2010 NB2 Management	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A		0.00	100	0.00		EE//EM =372 ; EE//EM =37				
7300-11	FY2011 NB2 Management	250*	01OCT10*	01OCT10A	30SEP11	30SEP11	1,494	113,070.06	LOE	44,323.46		EE//EM =.33fte ; EE//EM =85				
7300-21	FY2012 NB2 Management	245	03OCT11*	03OCT11*	24SEP12	24SEP12	1,494	123,991.86		0.00		EE//EM =.33fte ; EE//EM =85				
7300-31	FY2013 NB2 Management	245	01OCT12*	01OCT12*	25SEP13	25SEP13	1,490	250,286.01		0.00		EE//EM =.70fte ; EE//EM =85				
7300-35	FY2014 NB2 Management	248	01OCT13*	01OCT13*	30SEP14	30SEP14	1,487	258,768.09		0.00		EE//EM =.70fte ; EE//EM =85				
FY092410	FY09 Actual Cost	22*	23FEB09A	23FEB09A	30SEP09A	30SEP09A		63,263.00	100	63,263.00						
FY102410	FY10 Actual Cost	40	01OCT09A	01OCT09A	25NOV09A	25NOV09A		12,157.00	100	12,157.00						

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY					
											FY11	FY12	FY13	FY14	FY15	
FY107300	FY10 Actual Cost	123	02NOV09A	02NOV09A	30APR10A	30APR10A		62,401.00	100	62,401.00						
FY107300A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		62,452.00	100	62,452.00	81=62452					
Project Reviews																
7300-02	FY2010 NB2 RLM's support of OPA reviews	92*	17MAY10A	17MAY10A	06JUL10A	06JUL10A		0.00	100	0.00						
7300-03	FY2010 NB2 RLM's support of EIR review	20	01OCT10*	01OCT10A	28OCT10	29OCT10A		78,289.60	100	78,289.60	EE//EM =160 ; EM//EM =320 ;					
7300-12	FY2011 NB2 RLM's support of OPA reviews	20	01AUG11*	01AUG11*	26AUG11	26AUG11	1,743	78,289.60		0.00	EE//EM =160 ; EM//EM =320 ;					
7300-13	FY2011 NB2 RLM's support of OPA reviews	20	01FEB12*	01FEB12*	28FEB12	28FEB12	1,640	85,851.20		0.00	EE//EM =160 ; EM//EM =320 ;					
7300-22	FY2012 NB2 RLM's support of OPA reviews	20	01AUG12*	01AUG12*	28AUG12	28AUG12	1,512	85,851.20		0.00	EE//EM =160 ; EM//EM =320 ;					
7300-23	FY2012 NB2 RLM's support of OPA reviews	20	01FEB13*	01FEB13*	28FEB13	28FEB13	1,615	87,656.00		0.00	EE//EM =160 ; EM//EM =320 ;					
7300-32	FY2013 NB2 RLM's support of OPA reviews	20	01AUG13*	01AUG13*	28AUG13	28AUG13	1,509	87,656.00		0.00	EE//EM =160 ; EM//EM =320 ;					
Job: 7400 - Health Physics Support-STEVENSON																
740000100	FY2010 NBI Decon HP Technical Support	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A		0.00	100	0.00	DP//TB =1,438 ; 41=4,166 ; 43=4,166 ; 31=41,667 ;					
740000110	FY2011 NBI Decon HP Technical Support	250*	04OCT10*	01OCT10A	03OCT11	30SEP11	1,735	511,560.45	LOE	200,531.70	DP//TB =2400 ; 41=10,000 ; 43=10,000 ; 31=100,000 ;					
740000115	FY2011 EQ Removal & Relocation HP Technical Supp	165	02APR12*	02APR12*	21NOV12	21NOV12	458	368,652.64		0.00	DP//TB =2,720 ;					
740000120	FY2012 NBI Decon HP Technical Support	249	04OCT11*	03OCT11*	01OCT12	28SEP12	1,735	551,557.83		0.00	DP//TB =2,400 ; 41=10,000 ; 43=10,000 ; 31=100,000 ;					
740000125	FY2013 NBI Decon HP Technical Support	248	02OCT12	01OCT12	01OCT13	30SEP13	1,735	419,238.73		0.00	DP//TB =2,200 ; 41=5,000 ; 43=5,000 ; 31=50,000 ;					
740000130	FY2014 NBI Decon HP Technical Support	248	01OCT13*	01OCT13*	30SEP14	30SEP14	1,487	269,865.14		0.00	DP//TB =1,726 ; 41=5000 ; 43=5000 ; 31=5000 ;					
FY107400	FY10 Actual Cost	260	01OCT09A	01OCT09A	30SEP10A	30SEP10A		386,510.00	100	386,510.00	81=386510 ;					
JOB: 7700 - NSTX-U HP Allocations-STRYKOWSKY																
1180*NUL	FY10 Actual Cost	143	01OCT09A	01OCT09A	30SEP10A	30SEP10A		452,420.00	100	452,420.00	54X =452,420 ;					
CS9500070	NSTX Upgrade HP Allocations FY2010	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A		0.00	100	0.00	54X =117682 ;					
CS9500080	NSTX Upgrade HP Allocations FY11	250*	01OCT10*	01OCT10A	30SEP11	30SEP11	1,487	353,100.00	LOE	138,415.20	54X =214000 ;					
CS9500090	NSTX Upgrade HP Allocations FY12	249	03OCT11*	03OCT11*	28SEP12	28SEP12	1,487	535,040.00		0.00	54X =304000 ;					
CS9500100	NSTX Upgrade HP Allocations FY13	248	01OCT12*	01OCT12*	30SEP13	30SEP13	1,487	481,510.00		0.00	54X =269000 ;					
CS9500110	NSTX Upgrade HP Allocations FY14	248	01OCT13*	01OCT13*	30SEP14	30SEP14	1,487	414,000.00		0.00	54X =225000 ;					
FY09NNUL8	FY09 Actual Cost	22*	23FEB09A	23FEB09A	30SEP09A	30SEP09A		367,345.00	100	367,345.00						
Job: 7710 - Upgrade Allocations-STRYKOWSKY																
1170*NUL	FY10 Actual Cost	143	01OCT09A	01OCT09A	30SEP10A	30SEP10A		170,667.00	100	170,667.00	54X =170667 ;					
7710-10	NSTX Upgrade Direct Allocations FY2010	106	03MAY10A	03MAY10A	30SEP10A	30SEP10A		0.00	100	0.00	54X =96059 ;					
7710-11	NSTX Upgrade Direct Allocations FY11	250*	01OCT10*	01OCT10A	30SEP11	30SEP11	1,487	29,700.00	LOE	11,642.40	54X =18000 ;					
7710-12	NSTX Upgrade Direct Allocations FY12	249	03OCT11*	03OCT11*	28SEP12	28SEP12	1,487	3,520.00		0.00	54X =2000 ;					
7710-13	NSTX Upgrade Direct Allocations FY13	248	01OCT12*	01OCT12*	30SEP13	30SEP13	1,487	3,580.00		0.00	54X =2000 ;					
7710-14	NSTX Upgrade Direct Allocations FY14	248	01OCT13*	01OCT13*	30SEP14	30SEP14	1,487	1,840.00		0.00	54X =1000 ;					
9417*NUL	FY10 Actual Cost	110	01JUN10A	01JUN10A	30SEP10A	30SEP10A		12,934.00	100	12,934.00	54X=12934					
FY09NNUL	FY09 Actual Cost	22*	23FEB09A	23FEB09A	30SEP09A	30SEP09A		158,969.00	100	158,969.00						
Job: 7900 - Integrated System Test-GENTILE																
Integrated System Testing (WBS 1.7 / Job 7900)																
7900-110	Prepare NBI2 & CS ISTEP Test Procedures	65	02OCT13*	02OCT13*	14JAN14	14JAN14	127	21,976.80		0.00	EM//EM =120 ;					
7900-120	Conduct ACC Review of Upgrades	40	15JAN14	15JAN14	11MAR14	11MAR14	127	30,661.60		0.00	EM//EM =80 ; EE//EM =80 ;					
7900-140	Perform ISTEP	15	09SEP14	09SEP14	29SEP14	29SEP14	1	14,651.20		0.00	EM//EM =80 ;					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY11	FY12	FY13	FY14	FY15
7900-150	Participate in cost and schedule reviews	911*	01OCT10*	01OCT10A	03SEP14	02JUN14	84	6,910.71	LOE	746.36					
7900-999	NSTX RESUME OPERATIONS	0			29SEP14	29SEP14	1	0.00		0.00					
FY107900	FY10 Actual Cost	40	02NOV09A	02NOV09A	23DEC09A	23DEC09A		3,956.00	100	3,956.00					

1.8 Assembly

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

Close Vessel and Pumpdown

FY108200	FY10 Actual Cost	123	02NOV09A	02NOV09A	30APR10A	30APR10A		19,070.00	100	19,070.00					
FY108200A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		6,473.00	100	6,473.00					

Management/Oversight/supervision

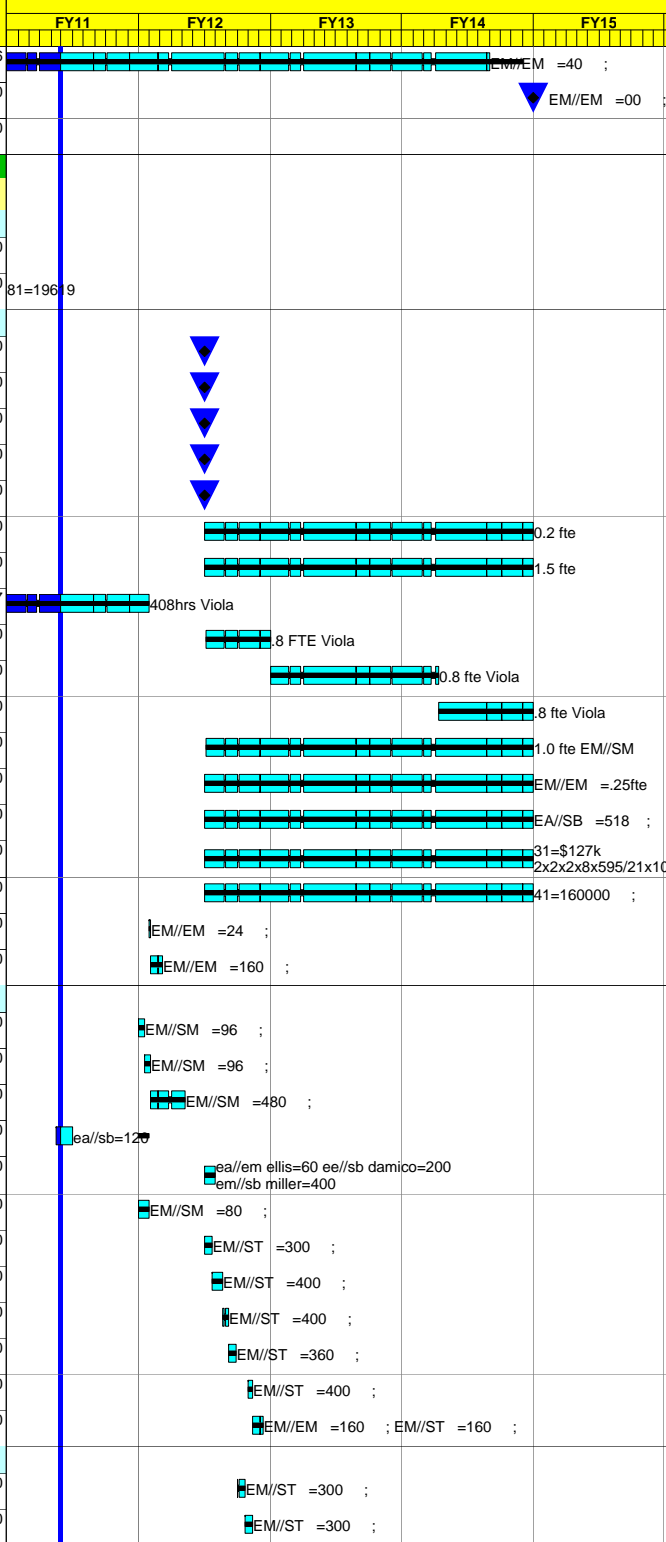
8200-0002	Designs complete	0	03APR12*	03APR12*			139	0.00		0.00					
8200-0003	Sequence complete	0	03APR12*	03APR12*			139	0.00		0.00					
8200-0004	Parts arrived	0	03APR12*	03APR12*			139	0.00		0.00					
8200-0005	Start procedural development	0	03APR12*	03APR12*			139	0.00		0.00					
8200-0006	Mobilize crews	0	03APR12*	03APR12*			139	0.00		0.00					
8200-0010	Shop Fabrication oversight 20% FTE for duration	622	03APR12*	03APR12*	30SEP14	30SEP14	1,487	152,188.51		0.00					
8200-0011	Shop Fabrication support 1.5 FTE for duration	622	03APR12*	03APR12*	30SEP14	30SEP14	1,487	719,690.36		0.00					
8200-0012	Assembly oversight prior to outage (fy10 & fy11)	377*	03MAY10A	03MAY10A	31OCT11	31OCT11	218	63,100.49	LOE	34,137.37					
8200-0012A	Assembly oversight 1 FTE Engr	125	05APR12*	05APR12*	01OCT12	01OCT12	1,487	121,864.27		0.00					
8200-0012B	Assembly oversight 0.6 FTE Engr	312	02OCT12*	02OCT12*	13JAN14	13JAN14	1,487	307,786.97		0.00					
8200-0012C	Assembly oversight 1 FTE Engr	183	14JAN14*	14JAN14*	30SEP14	30SEP14	1,487	208,719.16		0.00					
8200-0013	Assembly oversight 1 FTE SM	620	05APR12*	05APR12*	30SEP14	30SEP14	1,487	762,210.43		0.00					
8200-0014	Title 3 Support Engineer	622	03APR12*	03APR12*	30SEP14	30SEP14	1,487	186,516.75		0.00					
8200-0015	Title 3 Support Drafting	622	03APR12*	03APR12*	30SEP14	30SEP14	1,487	73,180.71		0.00					
8200-0016	OT for efficiency (2 crews 1 weekend a month)	622	03APR12*	03APR12*	30SEP14	30SEP14	1,487	264,376.43		0.00					
8200-0017	MISC M&S \$250 per day* 2 crews	622	03APR12*	03APR12*	30SEP14	30SEP14	1,487	212,141.48		0.00					
8200-0020	PREPARE WORK PLANNING FORM	3	01NOV11*	01NOV11*	03NOV11	03NOV11	218	4,163.76		0.00					
8200-0021	Fab/Assy/Installation Procedure	20	04NOV11*	04NOV11*	05DEC11	05DEC11	218	27,758.40		0.00					

Bay by Bay Diagnostic Catalogue

8200-0026	Perform bay by bay catalogue and label Elect	12	03OCT11*	03OCT11*	18OCT11	18OCT11	193	16,567.68		0.00					
8200-0027	Perform bay by bay catalogue and label Mech	12	19OCT11*	19OCT11*	03NOV11	03NOV11	193	16,567.68		0.00					
8200-0028	Write removal procedures	60	04NOV11	04NOV11	07FEB12	07FEB12	193	82,838.40		0.00					
8200-0028A	RF Line develop as-built assy drawing	34*	03OCT11*	14FEB11A	28OCT11	31MAR11	446	16,437.60	50	0.00					
8200-0029	Remove RF pipes	20	03APR12*	03APR12*	30APR12	30APR12	195	154,331.60		0.00					
8200-0030	Write Electrical Removal & Installation Procedur	20	03OCT11*	03OCT11*	28OCT11	28OCT11	242	13,806.40		0.00					
8200-0031	Safe, remove and store Elect	15	03APR12*	03APR12*	23APR12	23APR12	139	32,637.00		0.00					
8200-0032	Upper Tray remove and store Elect	20	24APR12	24APR12	21MAY12	21MAY12	180	43,516.00		0.00					
8200-0033	Remove and store Mech	10	22MAY12*	22MAY12*	05JUN12	05JUN12	119	43,516.00		0.00					
8200-0034	Remove and store Upper and lower port eqpt	18	06JUN12*	06JUN12*	29JUN12	29JUN12	122	39,164.40		0.00					
8200-0035	Remove section of platform	10	01AUG12*	01AUG12*	14AUG12	14AUG12	101	43,516.00		0.00					
8200-0036	Fiducialize Coil and Vacuum vessel	20	15AUG12	15AUG12	12SEP12	12SEP12	101	45,164.80		0.00					

Equipment Removals

8200-0039	Remove insulation	15	02JUL12*	02JUL12*	23JUL12	23JUL12	101	32,637.00		0.00					
8200-0040	Gas Injection System	15	24JUL12	24JUL12	13AUG12	13AUG12	101	32,637.00		0.00					



Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	FY					
											FY11	FY12	FY13	FY14	FY15	
8200-0041	Disconnect trim coil and lock mode coil	2	14AUG12	14AUG12	15AUG12	15AUG12	101	4,351.60		0.00						
8200-0042	Remove trim coil and lock mode coil	4	16AUG12	16AUG12	21AUG12	21AUG12	101	8,703.20		0.00						
8200-0043	Clear platform and area to remove bad TF	10	22AUG12	22AUG12	05SEP12	05SEP12	101	21,758.00		0.00						
8200-0044	Remove bad TF	5	06SEP12	06SEP12	12SEP12	12SEP12	101	21,758.00		0.00						
LLD Removal/Original Outer Divertor re-install																
8200-1001	Remove LLD	20	13SEP12	13SEP12	10OCT12	10OCT12	433	43,882.40		0.00						
8200-1004	Machine original OD tiles for Diag sensors	10	01OCT13*	01OCT13*	14OCT13	14OCT13	193	9,187.20		0.00						
8200-1008	Re-install Diag sensors into original OD tiles	10	15OCT13*	15OCT13*	28OCT13	28OCT13	193	22,968.00		0.00						
8200-1012	Install original OD tiles and supports	20	10APR14*	10APR14*	07MAY14	07MAY14	86	45,936.00		0.00						
Upper Half																
8200-0048	Umbrella Lid Remove existing	1	13SEP12	13SEP12	13SEP12	13SEP12	101	6,931.60		0.00						
8200-0048A	Umbrella lid weld new rim	12	27SEP13	27SEP13	14OCT13	14OCT13	90	30,101.20		0.00						
8200-0049	VV Umbrella legs Weld reinforcement plates	24	15OCT13	15OCT13	15NOV13	15NOV13	90	55,123.20		0.00						
8200-0050	VV umbrella legs Remove existing Hardware	5	18NOV13	18NOV13	22NOV13	22NOV13	90	11,484.00		0.00						
8200-0051	Umbrella legs add reinforcement plate	5	25NOV13	25NOV13	03DEC13	03DEC13	90	11,484.00		0.00						
8200-0052	TF Install Datums & Remove turnbuckles	8	25MAR13	25MAR13	03APR13	03APR13	85	17,772.80		0.00						
8200-0052A	TF U&L Remove Existing clevis bolts	12	04APR13	04APR13	19APR13	19APR13	85	26,659.20		0.00						
8200-0052B	TF reinforce clevis	12	22APR13	22APR13	07MAY13	07MAY13	85	26,659.20		0.00						
8200-0052C	TF Install new TF wet layup & clamp	9	08MAY13	08MAY13	20MAY13	20MAY13	85	19,994.40		0.00						
8200-0053	TF Install new clamps	12	21MAY13	21MAY13	06JUN13	06JUN13	85	26,659.20		0.00						
8200-0054	TF Install Vessel Ties & Align	18	07JUN13	07JUN13	02JUL13	02JUL13	85	39,988.80		0.00						
8200-0055	TF Install new hoop brace	12	03JUL13	03JUL13	22JUL13	22JUL13	85	26,659.20		0.00						
8200-0056	TF Align and match drill new hoop brace	18	23JUL13	23JUL13	15AUG13	15AUG13	85	39,988.80		0.00						
8200-0057	TF Install and torque all bolts	8	16AUG13	16AUG13	27AUG13	27AUG13	85	17,772.80		0.00						
8200-0058	Design & build lifting method	16	03OCT11*	03OCT11*	24OCT11	24OCT11	323	111,948.96		0.00						
8200-0059	PF2 Mark Location: lift and support	1	14SEP12	14SEP12	14SEP12	14SEP12	101	2,175.80		0.00						
8200-0060	PF2 Replace existing hardware (bolted)	1	26NOV12	26NOV12	26NOV12	26NOV12	53	2,221.60		0.00						
8200-0061	PF2 Install New plates (bolted)	4	27NOV12	27NOV12	30NOV12	30NOV12	53	8,886.40		0.00						
8200-0062	PF2 weld reinforcement	8	03DEC12	03DEC12	12DEC12	12DEC12	53	17,772.80		0.00						
8200-0063	PF2 Reinstall & Realign	2	13DEC12	13DEC12	14DEC12	14DEC12	53	4,443.20		0.00						
8200-0064	PF3 lift and support	2	17DEC12	17DEC12	18DEC12	18DEC12	53	4,443.20		0.00						
8200-0065	PF3 remove bolted support	1	19DEC12	19DEC12	19DEC12	19DEC12	53	2,221.60		0.00						
8200-0066	PF3 Install new bolted support	8	20DEC12	20DEC12	09JAN13	09JAN13	53	17,772.80		0.00						
8200-0067	PF3 weld reinforcement	18	10JAN13	10JAN13	04FEB13	04FEB13	297	39,988.80		0.00						
8200-0068	PF3 Reinstall & Realign	3	05FEB13	05FEB13	07FEB13	07FEB13	297	8,886.40		0.00						
8200-0069	PF5U/L Disconnect existing midplane columns	4	10JAN13	10JAN13	15JAN13	15JAN13	53	8,886.40		0.00						
8200-0070	PF4, 5 lift and install 1/4" plate	8	16JAN13	16JAN13	25JAN13	25JAN13	53	17,772.80		0.00						
8200-0071	PF4, 5 Install newbolts and torque	6	28JAN13	28JAN13	04FEB13	04FEB13	53	13,329.60		0.00						
8200-0072	Prefit & match drill new umbrella lid	10	05FEB13	05FEB13	18FEB13	18FEB13	53	44,432.00		0.00						
Lower Half																
8200-0076	Umbrella Lid Remove existing	1	27NOV12	27NOV12	27NOV12	27NOV12	103	4,443.20		0.00						
8200-0076A	Umbrella Lid weld new rim	12	24JUN13	24JUN13	11JUL13	11JUL13	57	29,299.20		0.00						
8200-0077	TF Install new clamps	12	01OCT13*	01OCT13*	16OCT13	16OCT13	62	27,561.60		0.00						

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Total Float	Target 1 Budgeted Cost	PPCT	Earned value cost (BCWP)	Fiscal Year						
											FY11	FY12	FY13	FY14	FY15		
8200-0078	TF Install Vessel ties & Align	18	17OCT13	17OCT13	11NOV13	11NOV13	62	41,342.40		0.00						EM//ST =360 ;	
8200-0079	TF Install new hoop brace	12	12NOV13	12NOV13	27NOV13	27NOV13	62	27,561.60		0.00						EM//ST =240 ;	
8200-0080	TF Align and match drill new hoop brace	18	02DEC13	02DEC13	06JAN14	06JAN14	62	41,342.40		0.00						EM//ST =360 ;	
8200-0081	TF Install and torque all bolts	8	07JAN14	07JAN14	16JAN14	16JAN14	62	18,374.40		0.00						EM//ST =160 ;	
8200-0082	PF2 Mark location; lower and support	2	28NOV12	28NOV12	29NOV12	29NOV12	103	4,443.20		0.00						EM//ST =40 ;	
8200-0083	PF2 Replace existing hardware (bolted)	1	01APR13*	01APR13*	01APR13	01APR13	24	2,221.60		0.00						EM//ST =20 ;	
8200-0084	PF2 Install New plates (bolted)	4	02APR13	02APR13	05APR13	05APR13	24	8,886.40		0.00						EM//ST =80 ;	
8200-0085	PF2 weld reinforcement	8	08APR13	08APR13	17APR13	17APR13	24	17,772.80		0.00						EM//ST =160 ;	
8200-0086	PF2 Reinstall	2	18APR13	18APR13	19APR13	19APR13	24	4,443.20		0.00						EM//ST 40 ;	
8200-0087	PF3 lower and support	2	22APR13	22APR13	23APR13	23APR13	24	4,443.20		0.00						EM//ST =40 ;	
8200-0088	PF3 remove bolted support	1	24APR13	24APR13	24APR13	24APR13	24	2,221.60		0.00						EM//ST =20 ;	
8200-0089	PF3 Install new bolted support	8	25APR13	25APR13	06MAY13	06MAY13	24	17,772.80		0.00						EM//ST =160 ;	
8200-0090	PF3 weld reinforcement	18	07MAY13	07MAY13	31MAY13	31MAY13	24	39,988.80		0.00						EM//ST =360 ;	
8200-0091	PF3 Reinstall & Align	3	03JUN13	03JUN13	05JUN13	05JUN13	24	6,664.80		0.00						EM//ST =60 ;	
8200-0092	PF4, 5 lower and install 1/4" plate	12	06JUN13	06JUN13	21JUN13	21JUN13	24	17,772.80		0.00						EM//ST =20 ;	
8200-0093	PF4, 5 Install new bolts and torque	6	24JUN13	24JUN13	01JUL13	01JUL13	24	13,329.60		0.00						EM//ST =20 ;	
8200-0094	PF4 Install new clamps	12	02JUL13	02JUL13	19JUL13	19JUL13	24	26,659.20		0.00						EM//ST =240 ;	
8200-0095	PF5 U&L Reconnect & Install New Interstitial	6	22JUL13	22JUL13	29JUL13	29JUL13	24	13,329.60		0.00						EM//ST =120 ;	
8200-0095A	TF Reinforce clevis	12	30JUL13	30JUL13	14AUG13	14AUG13	24	26,659.20		0.00						EM//ST =240 ;	
8200-0095B	TF Install new TF wet layup & clamp	9	15AUG13	15AUG13	27AUG13	27AUG13	24	19,994.40		0.00						EM//ST =180 ;	
8200-0096	VV Umbrella legs Weld reinforcement plate	24	28AUG13	28AUG13	01OCT13	01OCT13	24	53,393.60		0.00						EM//ST =480 ;	
8200-0097	Umbrella leg Remove Existing hardware	5	02OCT13	02OCT13	08OCT13	08OCT13	24	11,484.00		0.00						EM//ST =100 ;	
8200-0098	Umbrella legs Add reinforcement plate	8	09OCT13	09OCT13	18OCT13	18OCT13	24	18,374.40		0.00						EM//ST =160 ;	
8200-0099	TF Install New Coil	5	21OCT13	21OCT13	25OCT13	25OCT13	24	90,468.00		0.00						EM//ST =200 ; 41=50,000	
8200-0100	Prefit & Match Drill New Umbrella Lid	10	28OCT13	28OCT13	08NOV13	08NOV13	24	45,936.00		0.00						EM//ST =400 ;	
8200-0101	VV Legs Reinforcements Plate	8	11NOV13	11NOV13	20NOV13	20NOV13	24	18,374.40		0.00						EM//ST =160 ;	
8200-0102	Reinstall platform sections	8	17JAN14	17JAN14	28JAN14	28JAN14	62	36,748.80		0.00						EM//ST =320 ;	
Alignment Verification Coil & VV																	
8200-0105	Map internal targets to external	10	21NOV13*	21NOV13*	06DEC13	06DEC13	24	37,619.20		0.00						EM//EM =80 ; em/st=200	
8200-0106	Verify Vessel Aligement targets	10	09DEC13	09DEC13	20DEC13	20DEC13	24	37,619.20		0.00						EM//EM =80 ; em/st=200	
8200-0107	Verify Coil Alignment Targets	20	02JAN14	02JAN14	29JAN14	29JAN14	24	75,238.40		0.00						EM//EM =160 ; em/st=400	
8200-0108	Adjust vessel Internals	30	30JAN14	30JAN14	12MAR14	12MAR14	24	112,857.60		0.00						EM//EM =240 ; em/st=600	
8200-0109	Adjust TF Coils	4	13MAR14	13MAR14	18MAR14	18MAR14	24	15,047.68		0.00						EM//EM =32 ; em/st=80	
8200-0110	Adjust PF Coils	6	19MAR14	19MAR14	26MAR14	26MAR14	24	22,571.52		0.00						EM//EM =48 ; em/st=120	
8200-0112	Fit and Install PF 1a, 1b, 1c U&L buswork	15	02OCT13*	02OCT13*	22OCT13	22OCT13	56	34,452.00		0.00						EM//ST =300 ;	
8200-0113	Fit and Install OH U&L buswork	15	23OCT13	23OCT13	12NOV13	12NOV13	56	34,452.00		0.00						EM//ST =300 ;	
8200-0114	Install CHI & Ring bus	8	13NOV13	13NOV13	22NOV13	22NOV13	56	18,374.40		0.00						EM//ST =160 ;	
8200-0115	Install TF coil cooling system (72)	3	25NOV13	25NOV13	27NOV13	27NOV13	56	6,890.40		0.00						EM//ST =60 ;	
8200-0116	Install Inboard Divertor heating/cooling system	15	02DEC13	02DEC13	20DEC13	20DEC13	56	34,452.00		0.00						EM//ST =300 ;	
8200-0117	New TF air cooled bus and support system	25	02JAN14	02JAN14	05FEB14	05FEB14	56	57,420.00		0.00						EM//ST =500 ;	
Reinstall Equipment																	
8200-0120	Gas Injection System	15	10APR14	10APR14	30APR14	30APR14	11	68,904.00		0.00						EM//ST =600 ;	

